FINAL PUBLICATIONS IN THIS SERIES

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Upper Left - Flooding in Osoyoos Area
Lower Right- S.O.L.I.D. Dam below Vaseux Lake

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CANADA - BRITISH COLUMBIA OKANAGAN BASIN AGREEMENT

TECHNICAL SUPPLEMENT III

TO THE

FINAL REPORT

WATER QUANTITY ALTERNATIVES

&

SUPPORTING WATER QUANTITY DATA

PUBLISHED BY

OFFICE OF THE STUDY DIRECTOR

BOX 458, PENTICTON, B.C.

MARCH, 1974

THE CONSULTATIVE BOARD WISH TO ACKNOWLEDGE
THE CONTRIBUTION OF THE FOLLOWING PEOPLE IN
THE PREPARATION OF THE TECHNICAL SUPPLEMENT

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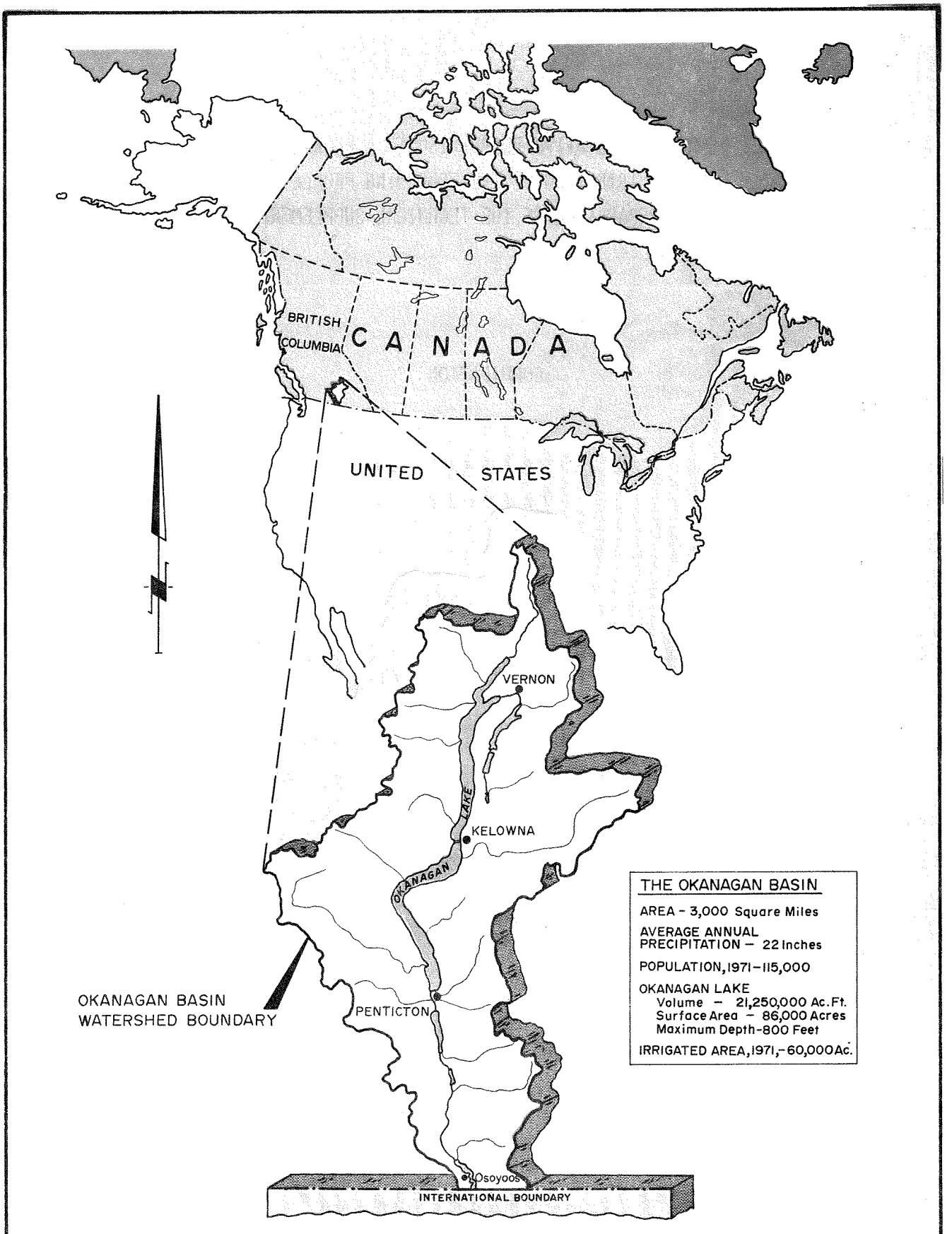
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THE OKANAGAN BASIN
IN
BRITISH COLUMBIA – CANADA

Figure A

FOREWORD

Technical Supplement III presents and evaluates alternatives for the management of water quantity in the Okanagan Basin to the year 2020. Also contained in this supplement are supporting basic data and interpretive information on water quantity to Technical Supplements I, "Water Quantity in the Okanagan Basin"; and II, "Water Quantity Computor Models". Other Study publications are listed on the inside front cover of this report.

The material presented in this supplement supercedes that of all earlier preliminary reports or publications prepared under the Canada-British Columbia Okanagan Basin Agreement.

A. Murray Thomson
Study Director

SYNOPSIS

Alternatives for the management of water in the Okanagan Basin to meet projected demands over the next fifty years are developed and assessed, recognizing the effects of major flood and drought cycles. Supporting water quantity data to Technical Supplements I, II and III are also contained in Part II of this report.

I. TRIBUTARY WATER MANAGEMENT ALTERNATIVES

Water is required in tributary streams to supply consumptive uses (irrigation and domestic uses) and sport fisheries in both the headwater storages and in the streams themselves.

Under present management only the former requirements are met although the creation of headwater storages has improved recreational facilities and sport fisheries in these areas and made them accessible to the public.

In order to provide a basis of comparison with alternative methods of operation, it was first necessary to simulate present day practices under dry, average and wet years. The computer output for the eight most heavily utilized tributaries within Okanagan Lake Basin in the form of water levels and discharges provided a basic framework to which alternative water management procedures could be compared.

This type of analysis was carried out with respect to present day development and in addition, a range of growth patterns for future population and agriculture land use in each of the sub-basins to the year 2020 were developed as follows:

i) A high projection based on a maximum agricultural land use development plus maximum likely population growth on non-agricultural lands.
ii) A low projection based on minimum population growth rates with reduction in agricultural land due to subdivision.
iii) A medium projection representing the arithmetic mean of the two extreme projections.

All projections have been based on present day agricultural water use efficiency which assume pipe systems feeding to sprinklers. Trickle irrigation, metering and pricing may in the future improve these efficiencies. How-

ever, lack of sensitivity in the modelling precludes such refinements at this time.

The results of the modelling, assuming a continuation of present day water management practices and the addition of certain headwater storages by the year 2020, indicate that Vernon and Kelowna Creeks will have water deficits in the future assuming all water requirements are met within the sub-basins.

II. MAINSTEM WATER MANAGEMENT ALTERNATIVES

Some 50 years of streamflow records (1920 - 1970) were available for the mainstem system which allowed a much more detailed analysis than that carried out for the tributaries.

Initially, the computer model was run based on present day management practices and the assumption that the Okanagan Flood Control Works (constructed in 1950 to 1958) had been in operation over the 50 year study period.

The development of management alternatives has been based on meeting present and future water requirements while at the same time maintaining satisfactory lake and river elevations and river discharges.

With limited water available in the system, particularly when two or three drought years occur consecutively as they did in 1929-1931, it is important that water be conserved through efficient use in order that reasonably adequate water elevations may be realized, particularly in Okanagan Lake. In contrast to this are the flood years when the lake and rivers must be controlled within their normal high water elevations.

These problems lead to an examination of three different approaches to managing the mainstem system:

i) Continuation of present operational procedures.
ii) Examination of a number of water conservation and flood control measures within the Okanagan Basin.
iii) Importation of water into the Okanagan during drought years.

A number of sub-alternatives have been identified within each of the three management approaches described above.

By 2020, growth in population and irrigated acreage could change total basin water requirements for both consumptive and non-consumptive uses to about 345,000 acre-feet compared to 312,000 acre-feet at present (1970). Although these possible increases are not considered large enough to affect main-

stem operation significantly, they will further aggravate the potential drought problems in the system. Thus, should the present method of operation be continued, re-occurrence of prolonged droughts would result in greater drawdowns of Okanagan Lake in the future than those anticipated under the Okanagan Flood Control Act, have relatively greater impacts on shoreline recreation, and could threaten the viability of the Sockeye salmon fishery over the next 50 years.

It is also apparent that importation of water to the Okanagan Basin in drought years cannot be justified on either economic or environmental considerations. Inflows to Okanagan Lake are sufficient to meet all water requirements in most years with proper management and the environmental costs associated with a prolonged drought such as occurred in 1929-31 appear to be preferable to annual expenditures of over $1 million to pay the costs of importation.

To provide greater flexibility for operating the system during such droughts, one of the water conservation sub-alternatives should be implemented. Lowering the irrigation intakes on Okanagan Lake and River will produce economic and environmental benefits that appear to outweigh their relatively modest annual costs, though further consideration would have to be given to the consequences of minimum flows of 100 cfs on Osoyoos Lake levels and the possibility of replacing Zosel Dam.

Discussions with public task forces, indicate that the Okanagan residents place highest priority on maintaining water supplies to domestic and irrigation uses followed by recreation and fishery requirements. Consequently, in extreme and prolonged droughts, operating procedures would have to be developed so that consumptive uses were met at all times, and some fishery requirements in Okanagan River foregone to the point where reductions of negative impacts of Okanagan and Osoyoos Lake drawdowns balance the losses of fishery production.

Because Okanagan Lake would only fall below its extreme minimum elevation of 1118.8 feet very infrequently, actual adjustments to Kelowna Bridge might best be undertaken when Okanagan Lake approaches its minimum elevation of 1118.8. A contingency plan should be prepared for this however, so that such modifications can be carried out without delay. In the case of the Okanagan Lake intakes it would not be feasible to wait because of the number involved, and such improvements should be undertaken at the same time as the Okanagan River intakes are lowered.

Flooding around Okanagan Lake occurs about once in 14 years and cannot be considered a serious problem. Improvements in forecasting resulting from an increased understanding of tributary hydrology and soil moisture balance

will assist in better flood regulation. Some of the real physical constraints of maintaining maximum discharges in Okanagan River should be overcome, such as control work for regulating Tugulnuit Lake levels and some bank and erosion protection measures.

It does not appear that the costs of constructing fish spawning facilities adjacent to Okanagan River to maintain the Sockeye salmon run can be justified solely by the amount of water conserved and associated environmental benefits around Okanagan Lake in drought years. An additional problem with respect to salmon is the adequacy of the Zosel Dam fish ladders. The release of water specifically for fisheries to the lower reaches of the Okanagan River upstream is contingent on adequate upstream and downstream migration at Zosel Dam.

Through structural improvements and good water management, it is possible to approach the objectives of meeting water requirements and maintaining satisfactory water levels for the mainstem system down to the inlet of Osoyoos Lake. This is due primarily to the large storage capacity of Okanagan Lake (340,000 acre-feet), which can retain a major portion of the freshet inflows while tributaries downstream of Penticton are peaking and filling the river channel to capacity.

Similarly, in dry periods releases from Okanagan Lake can sustain consumptive use and minimum residual flow requirements through to Osoyoos Lake.

In contrast, Osoyoos Lake, with about 7% of the area of Okanagan Lake, has very limited storage capacity in its desirable operating range of 1.6 feet. This desirable range can only be positively controlled by Zosel Dam, at the lake outlet of Osoyoos Lake, when near average flow conditions are occurring and there are no obstructions upstream of the dam which affect Osoyoos Lake water elevations.

In the past Osoyoos Lake outflows during heavy floods have been retarded or sometimes reversed by backwater from the Similkameen, while under less severe conditions the control has shifted to the channel upstream of Zosel Dam when delta material from Tonasket Creek has built a bar across the main channel.

Serious flooding occurs around Osoyoos Lake on average about once a decade, resulting in an average annual cost of $26,000. During extreme flood conditions, such as occurred in June 1972, Osoyoos Lake rose over five feet above the normal maximum causing $212,000 of damage to shoreline property or lost revenue to the local tourist industry in Canada. However, this size of flood is only expected to occur about once every 45 years.

It is obvious that the cost of providing any storage dams on the Similkameen River either in Canada or the United States cannot be justified only on the basis of the benefits in flood relief around Osoyoos Lake.

III. SUPPORTING WATER QUANTITY DATA

Appendix A - "Comparison of Runoff with Water Requirements in Selected Tributaries to Okanagan Lake for Dry, Average and Wet Years under 1970 and 2020 Developments".

Appendix B - "Tributary Flow Distribution Model - Derived Natural Historic Monthly Discharges at Mouths of 35 Tributary Streams in Okanagan Basin (1921 - 1972)

Appendix C - "Selected Mainstem Water Quantity Model Results - Okanagan Lake Elevations and Okanagan River Discharges".

This operation model provides monthly Okanagan Lake Elevations and outflows at Penticton over the 50 year study period under present day (1970) and 2020 projected levels of development (based on first economic projections) assuming the Okanagan Flood Control Works (constructed during 1950-58) had been in existence since 1921.

Appendix D - "Grid Square Modelling - Basic and Derived Average Climatic and Hydrometric Data".

This model provides mean monthly temperature, precipitation, evapotranspiration, evaporation and runoff for each point on a five-kilometer square grid covering the Okanagan Basin.

Appendix E - "Sub-Basin Characteristic Modelling - Basic Data and Results".

Appendix F - "Tables of Derived Basic Data - Main Valley Lakes and Okanagan River".

Some 33 tables are contained here of basic and derived data including monthly discharges, lake elevations, evaporation and precipitation. Much of this information together with water use data have been used in the development of water quantity computer modelling.

RECOMMENDATIONS

I GENERAL

1) *"That the water available be managed such that, without large scale importation of water, all present and projected future water uses around Okanagan Lake and along Okanagan River are satisfied; recognizing that during a prolonged drought cycle, increased drawdown of Okanagan Lake and some cut-back in releases to Okanagan River for non-consumptive uses may be necessary.*

2) *"That potential flood damage around Okanagan and Osoyoos Lakes and along Okanagan River be minimized through the institution of flood plain zoning and emergency protection measures.*

3) *"That the Governments of Canada and British Columbia immediately take the necessary steps to refer a study of Osoyoos Lake level regulations to the International Joint Commissions.*

II DETAILED RECOMMENDATIONS

1) *"That Okanagan Lake be regulated within its normal four foot range (elevation 1119.8 to 1123.8 feet) in all but anticipated extreme flood years (net inflows to Okanagan Lake exceeding 550,000 acre-feet) and successive drought years (net inflows less then 200,000 acre-feet per year).*

2) To minimize the impact of flooding around Okanagan and Osoyoos Lake and along Okanagan River, the following steps should be taken:

i) "Okanagan Lake should be drawn down below its normal low water elevation of 1119.8 feet prior to freshet, in an anticipated flood year, by up to one foot,

ii) that flood plan zoning be implemented and enforced by a regional water management authority up to 1127.5 feet elevation around Okanagan Lake. Further development on this flood plain should be limited to recreation, parks and agricultural activities,

iii) that the gates on Okanagan and Skaha Lakes be improved to avoid icing during the winter and erosion and bank protection works be built around some drop structures and along Okanagan River."

With these improvements the channel discharge capacity in Okanagan River at Penticton can be increased by 15% or 12,000 acre-feet a month, in flood years. This will have little effect on Osoyoos Lake where flooding is caused largely from backwater of the Similkameen River (see also Recommendation I-3 on I.J.C. Referral).

These works should be implemented jointly by the Federal and Provincial Governments. Their capital cost has been estimated at $739,000 with accumulated flood control benefits to 2020 (economic) of $90,000. No estimate was made of the social or environmental values of these improvements.

iv) *"That flood plain zoning around Osoyoos Lake be implemented by the Regional authority to 921 feet as soon as possible".*

v) *"That emergency protection measures and flood warning systems be further developed for Osoyoos Lake as soon as possible by the British Columbia Water Resources Service. These measures should be described in an information booklet and made available to all residents around the lake."*

3) To minimize the impact of droughts in the mainstem, the following steps should be taken:

i) *"That the level of Okanagan Lake be maintained at as high an elevation as possible during drought years, recognizing that in single drought years, all consumptive and non-consumptive water requirements should be met. Under prolonged drought conditions, the lake level may reach a low of 1116.8 feet."*

The accumulated recreational benefits associated with this type of operation have been estimated at $140,000 to the year 2020.

ii) *"That irrigation and domestic intakes along Okanagan River channel be lowered or altered so that they are fully operative under a base flow of 100 cubic feet per second (c.f.s.) in drought years."*

A base flow of 100 c.f.s. is required to support ecological and aesthetic resources. Water for consumptive uses and evaporation along Okanagan River and on Osoyoos Lake would be supplied in addition to this flow. This work will conserve 40,000 acre-feet in drought years and save an estimated $30,000 annually by removing the need to place stop-logs in the drop structures. This program should be undertaken jointly by the Federal and Provincial Governments.

The estimated capital cost of this work is $143,000 with capitalized savings in operation costs of $410,000.

iii) *"That once the intakes have been lowered or altered, water requirements for sockeye salmon in Okanagan River should be met in all years except consecutive drought years as follows:*

	Flows Measured at Oliver Hydrometric Station
August 1-September 15	*300-400 c.f.s.*
September 26-October 31	*350-550 c.f.s.*
November 1-April 30	*275 c.f.s.*

In two or more consecutive drought years, these flows may have to be reduced."

iv) *"That all irrigation and domestic intakes around Okanagan Lake be adjusted as required to be operable at a minimum lake elevation of 1116.8 feet."*

The cost of these necessary adjustments is estimated at $100,000 and should be shared jointly by the Federal and Provincial Governments.

v) *"That all future intakes, wharves, boat ramps and other structures around Okanagan Lake be built to operate with a lake elevation range of 1116.8 to 1125.5 feet. Similar structures around Osoyoos Lake must operate with a lake elevation range of 909 to 919 feet, with possible revisions resulting from the proposed I.J.C. review."*

vi) *"That contingency plans and costs be prepared by the Province of British Columbia for possible adjustments to the Kelowna Floating Bridge, so that the bridge can function within an operating range of 1116.8 to 1125.5 feet on Okanagan Lake."*

vii) *"That the existing improved channel way used to maintain Tugulnuit Lake be supplemented by the addition of a pumping unit."*

The improvement will allow sufficient flexibility to control the lake within the desirable range and in the event of a mechanical failure still provide some inflow or outflow as required.

viii) *"That the stream monitoring program in the tributary streams to Okanagan Lake and the mainstem should be continued to improve inflow forecasts to Okanagan Lake and the major tributaries."*

This program, supported by soil moisture sampling should help to improve the accuracy of forecasts, thereby allowing for better regulation of both tributary stream storages and Okanagan Lake.

ix) *"That multiple purpose water management be practiced in selected tributary basins to meet present and future consumptive and non-consumptive uses."*

Studies indicate that the planned storages will supply future consumptive and non-consumptive uses in all major tributary watersheds except Kelowna Creek.

The British Columbia Water Resources Service, in cooperation with the present water licence holders, will work out modified releases from headwater storages in Mission and Equesis Creeks to improve flows for fisheries at the mouths of these streams. The British Columbia Department of Recreation and Conservation will arrange and finance additional water storages for fisheries at the sites indicated below, by 1980, while the development of additional storages for consumptive uses will be undertaken as required by the Municipalities, Improvement Districts or individual water users. The above agencies in consultation with the regional authority, will be responsible for planning and coordinating future water resource development in tributary watersheds.

Existing and planned storage on the eight most heavily utilized tributaries in the basin are as follows.

PLANNED TRIBUTARY STORAGE FOR CONSUMPTIVE USE AND FISHERIES

Tributary	Reservoir Storage in 1972 (Acre-Feet)	Proposed New Storage (acre-feet)	
		Consumptive Use	Fisheries
Trout Creek	10,300	1,700	-
Peachland Creek	9,500	-	-
Powers Creek	3,700	1,100	-
Equesis Creek	2,200	-	700
Vernon Creek	46,700	15,800	
Kelowna Creek	5,700	1,600	
Mission Creek	18,000	7,200	3,600
Penticton Creek	9,800	-	-
TOTALS	105,900	27,400	4,300

The estimated capital cost of constructing these proposed storages is 1.1 million dollars for fisheries and 6.9 million dollars for consumptive use pur-

poses, with annual costs of $110,000 and $730,000 respectively. The annual economic and social benefits accruing from sport fishery enhancement have been estimated at $500,000 and $800,000 respectively. Benefits were not estimated for consumptive use storage.

x) *"That the pumped diversion from Okanagan Lake to Vernon Creek be continued."*

This diversion, currently being made to meet industrial demands for water, returns the flow in lower Vernon Creek to historical levels (prior to agricultural development in the area), could provide sufficient water if operated continuously to eliminate consumptive use deficiencies along the lower reach of Vernon Creek, including fishery flow deficits.

The development of some 16,000 acre-feet of storage on Vernon Creek would be used for the development of an additional 4,000 acres of irrigated land. Such development should be carefully considered because other available water supplies are located at some distance from potentially irrigable lands.

Further recommendations for the Vernon Creek Basin are anticipated under the Provincial Kalamalka-Wood Lake Study.

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PART I
WATER QUANTITY ALTERNATIVES

CHAPTER 1

Introduction

1.1 PURPOSE

The purpose of this Technical Supplement is to provide information on the various water quantity alternatives studies including their evaluations under present day as well as under the three economic growth projections prepared for the year 2020. In addition, all basic data and interpretative information derived from correlations and key water quantity models have been included here to provide a single reference to those concerned primarily with the results of these portions of the study.

1.2 SCOPE

In order to make this Technical Supplement complete in itself, it has been necessary to repeat certain introductory material dealing with present day (1970) development contained in Technical Supplement 1 - Water Quantity in the Okanagan Basin. In addition, the results of water quantity modelling along the mainstem and the tributaries have been discussed.

1.3 TYPES OF DATA

Through computer modelling in each of the selected tributaries natural flows have been developed at all major water use points, headwater reservoirs and hydrometric stations for dry, average and wet years. This natural flow data has been used as imput to a second group of models to provide regulated discharges under 1970 and 2020 projected levels of development.

For the mainstem model which terminates at Hydrometric Station 8NM-85 some four miles south of Oliver, a more detailed analysis was possible than for the tributaries because some 50 years of inflow records were available for Okanagan Lake. The mainstem model was based in the assumption that the Okanagan Flood Control Works constructed during 1950 to 1958 had been in operation over the standard study period.

Because of the paucity of hydrometric and meteorological data in the tributaries, the results obtained can only be considered as first approximations with possible order of accuracy of $\pm$ 20%. In contrast to this, the mainstem model supported by 50 years of records is estimated to have an accuracy of $\pm$ 10 %.

In summary, a natural flow data base is available to those interested in future modelling and in addition, a set of regulated flows have been documented for use by those concerned with water management.

1.4 RELATIONSHIP TO OTHER PARTS OF REPORT

This report is one of seven Basic Data Technical Supplements as listed below:

I Water Quantity in the Okanagan Basin

II Water Quantity Computer Models

III Water Quantity Alternatives and Supporting Water Quantity Data

IV Water Quality and Waste Loadings in the Okanagan Basin

V The Limnology of the Major Okanagan Basin Lakes

VIII Water Based Recreation in the Okanagan Valley

IX Fisheries and Wildlife in the Okanagan Basin

CHAPTER 2

Present Day Mainstem Water Conservation and Flood Control

Water quantity studies as defined in the Okanagan Basin Agreement were required: "to evaluate the existing hydrologic regime of the Basin, including studies of runoff, lake levels, flows, groundwater and geological structure; climatology and meteorology; to evaluate means of regulating flows through storage and diversions; and to evaluate means of augmenting water supplies within the Okanagan Basin."

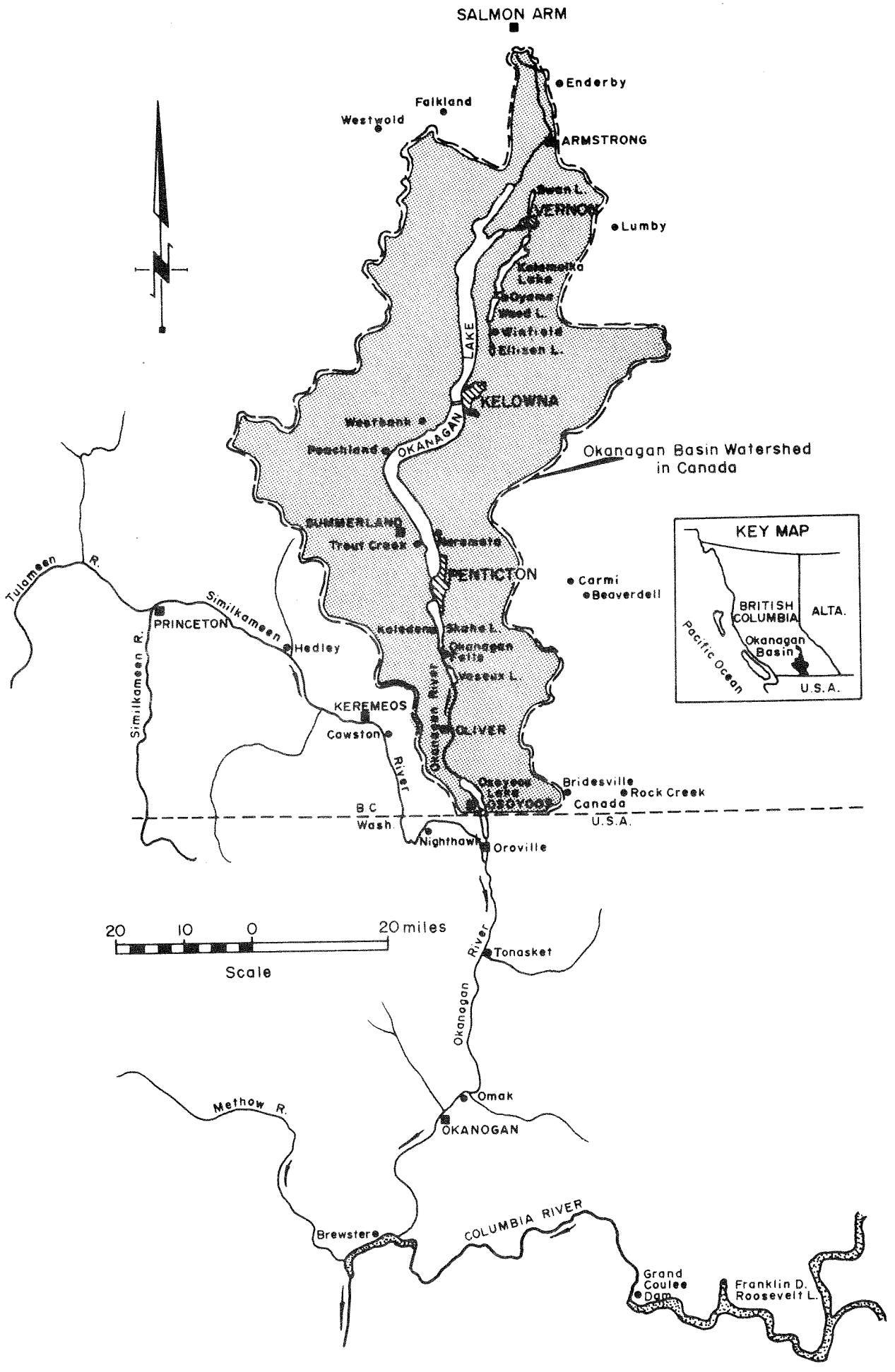
In order to apprise the hydrologic regime in the Canadian portion of Osoyoos Lake it has been necessary to extend the study downstream to the lake outlet at Oroville, Washington. Hence, the Okanagan Basin referred to in this portion of the report includes some 3,250 square miles of drainage area of which 3,165 are in British Columbia (Figure 2.1).

The hydrologic regime is described in some detail in Technical Supplement 1 - Water Quantity in the Okanagan Basin. A summary of that information follows which should be sufficient to orient the reader who is primarily interested in the alternatives to present day water management.

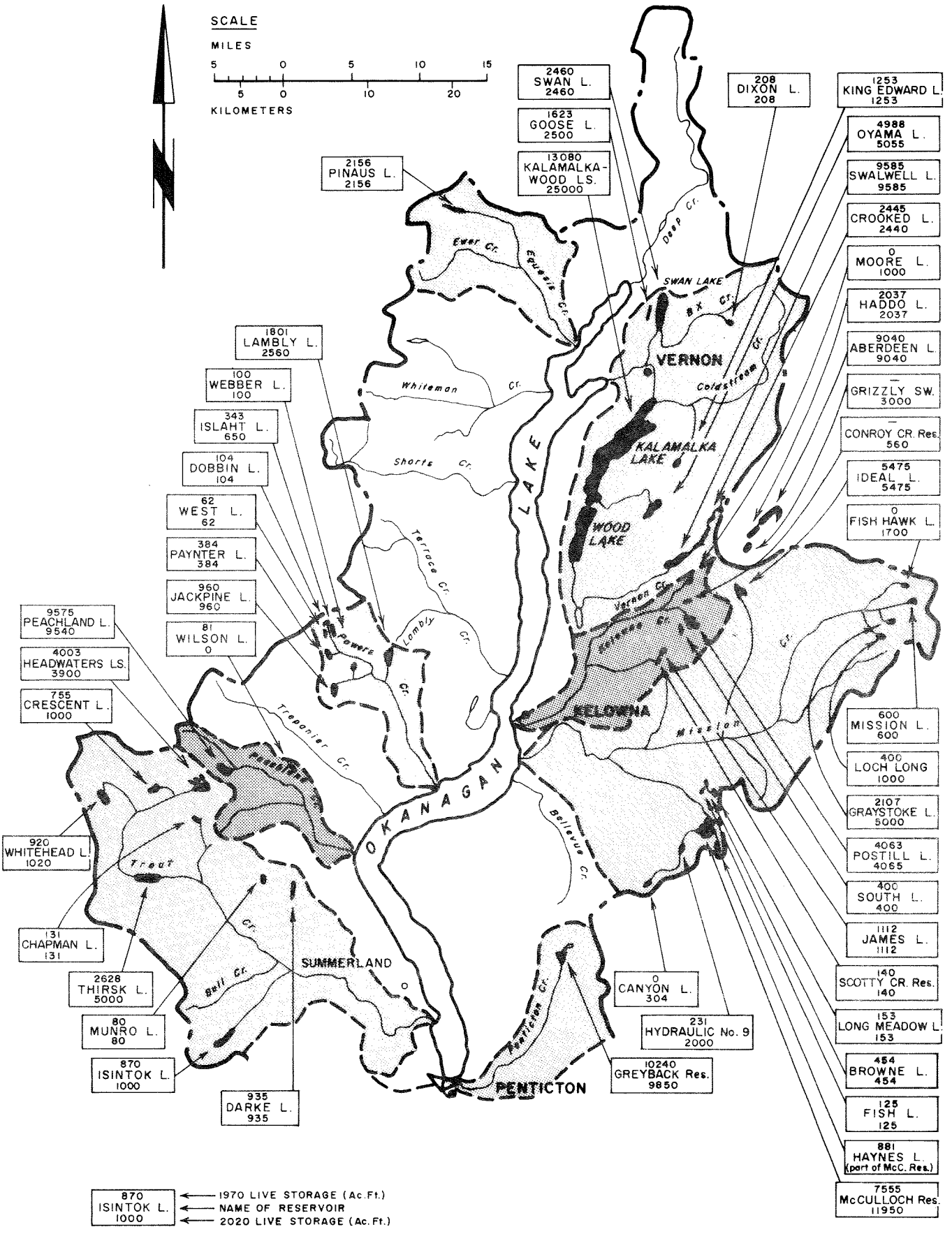
2.1 MAINSTEM OKANAGAN RIVER SYSTEM

The Okanagan Basin hydrology is typical of the interior rivers of British Columbia where the major portion of the annual runoff occurs during April to July inclusive, due primarily to snow melt in the higher portions of the Basin. Thus, in the Okanagan Lake Basin with an average elevation of 3,900 feet, snow accumulates during the winter months in the 4,000 to 7,000 foot band. Commencing in January, snow surveys are conducted at selected stations from which forecasts of inflow to Okanagan Lake are estimated for the upcoming freshet period. When above normal inflows are expected, Okanagan Lake Dam is operated primarily for flood control while in drought years efforts are made to conserve water.

A portion of the gross inflow to Okanagan Lake Basin is retained in 50 headwater reservoirs which have a total active storage of 113,000 acre-feet (See Figure 2.2). The remaining inflow in its passage downstream to Okanagan Lake is partially depleted by diversions from tributaries primarily for irrigation purposes. The residual water entering Okanagan Lake, either as surface or groundwater flow, is further reduced through evaporation losses from the lake surface by 200,000 to 300,000 acre-feet per year. Thus, the net historic lake inflow which is the actual water available in any parti-



OKANAGAN DRAINAGE BASIN IN CANADA ======= Figure 2.1



HEADWATER STORAGE RESERVOIRS IN 8 SELECTED TRIBUTARIES

Figure 2.2

cular year for use within Okanagan Lake or downstream, represents only a portion of the gross inflow to the Basin. Table 2.1 shows that of an average annual gross inflow to Okanagan Lake of 664,000 acre-feet only about 332,000 are available in Okanagan Lake for use under present day development and operating practices.

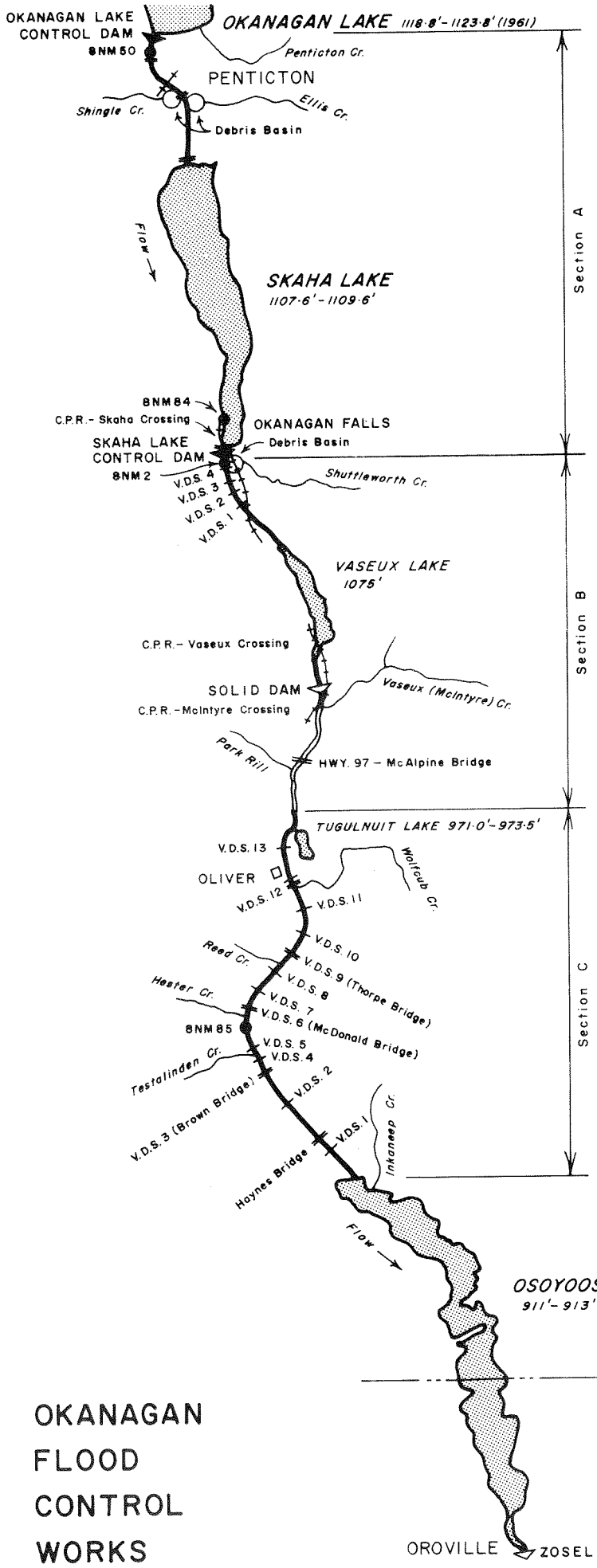
TABLE 2.1

AVERAGE ANNUAL WATER BUDGET-OKANAGAN LAKE BASIN

Description	Inches on Okanagan Lake (131 Square Miles)	Inches over Okanagan Lake Basin (2,340 Square Miles)	Thousands of Acre Feet	Remarks
Precipitation		21.80		Period 1931-60
Evaportranspiration		16.48		Period 1921-70
Gross Historic Basin Inflow		5.32	664.0	Period 1921-70
Okanagan Lake Evaporation	38.0	2.14	266.7	Period 1921-70
Net Historic Basin Inflow		3.18	397.3	Period 1921-70
Consumptive Use under 1970 Development		0.52	65.0	Irrigation, Domestic Municipal and Industrial
Net Modified Lake Inflow (1970 Development)		2.66	332.2	Period 1921-70

The outflow from Okanagan Lake is controlled by a concrete dam at Penticton (Figure 2.3). The normal operating range for Okanagan Lake water levels is 1119.8 to 1123.8 feet, (Geodetic Survey of Canada, 1961 Datum) which were established at the time of constructing these works, but lower levels may be reached during prolonged drought periods as well as higher elevations during extreme floods. This four feet of storage on Okanagan Lake is equivalent to 340,000 acre-feet which is approximately the same as the average annual net runoff into Okanagan Lake under present day development. Since about 80% of the inflow to the Okanagan Lake Basin upstream of Oroville, Washington occurs above Penticton, the regulation of Okanagan Lake Dam is of prime importance to the valley.

The Okanagan Lake Dam along with other structures and improved river channel between Penticton and Osoyoos Lake make up the Okanagan Flood Control Works. Ancillary works include the debris retaining basins at the mouths of Shattford (Shingle) Ellis and Shuttleworth Creeks. The operation



ELEVATION RELATIONSHIPS FOR OKANAGAN LAKE DAM AT PENTICTON			
OPERATING LEVEL	PUBLIC WORKS CANADA DATUM	GEODETIC DATUM 1934	GEODETIC DATUM 1961
HIGH	102·5	1123·2	1123·8
LOW	98·5	1119·2	1119·8
EMERGENCY LOW	97·5	1118·2	1118·8

NOTE
SECTIONS A, B and C ARE MAJOR CONTRACT AREAS WITH REFERENCE TO OKANAGAN FLOOD CONTROL WORKS CONSTRUCTED 1950-1958. IMPROVED CHANNEL SHOWN IN HEAVY LINE.

LEGEND
/ V.D.S. = VERTICAL DROP STRUCTURE
● 8NM2 = HYDROMETRIC STATION

OKANAGAN FLOOD CONTROL WORKS

Figure 2.3

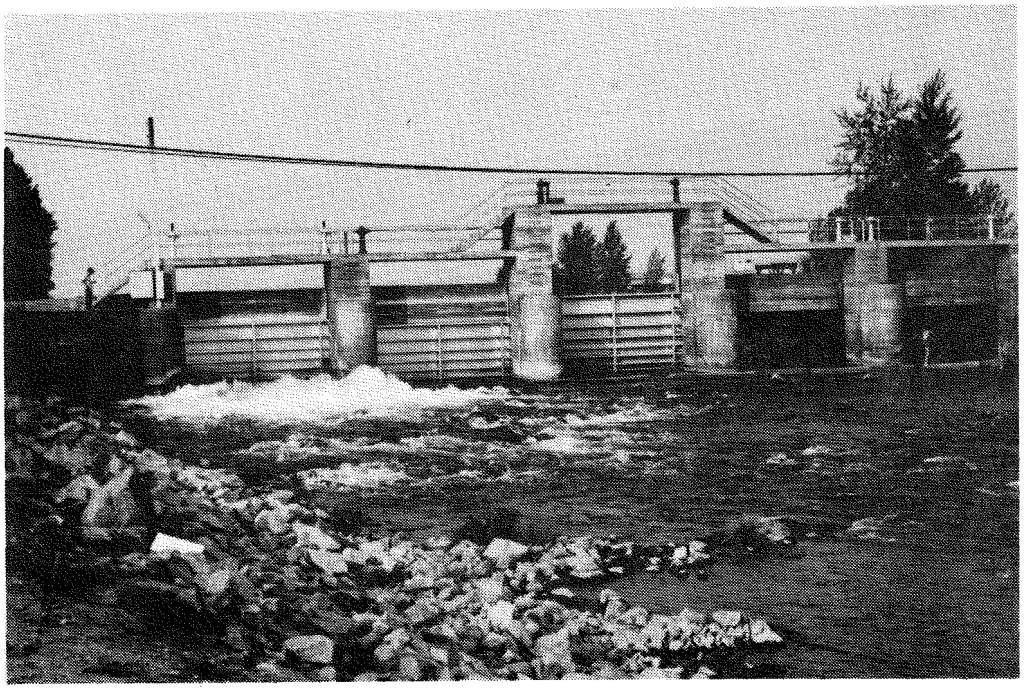


Photo 1 OKANAGAN LAKE DAM - Flow 300 c.f.s.
Looking North (August, 1973)

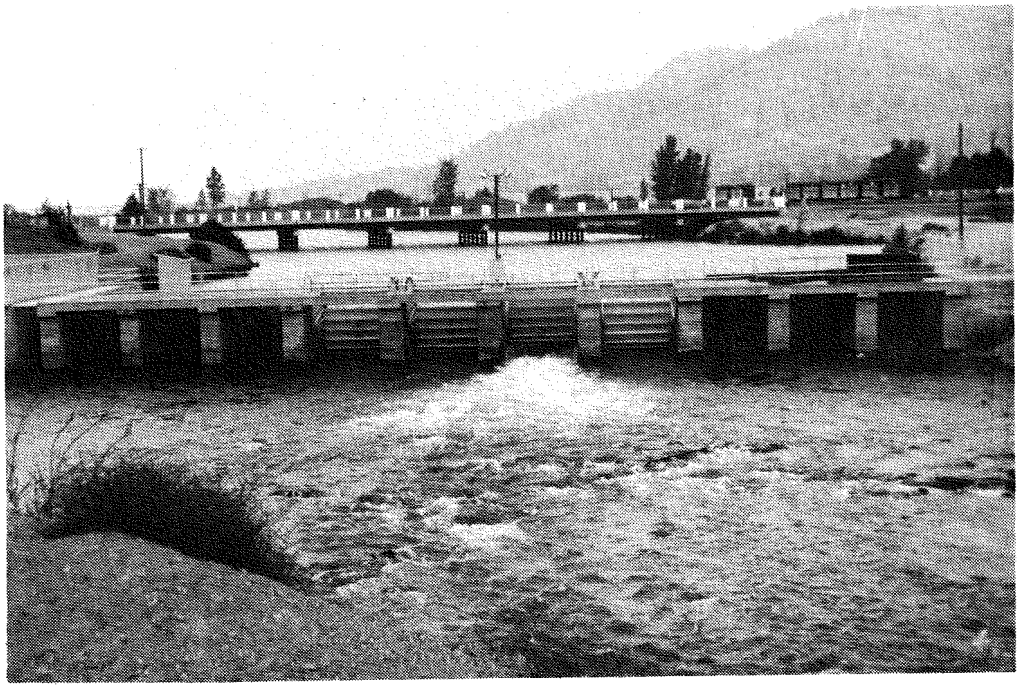


Photo 2 SKAHA LAKE DAM - Flow 300 c.f.s.
Looking North (August, 1973)

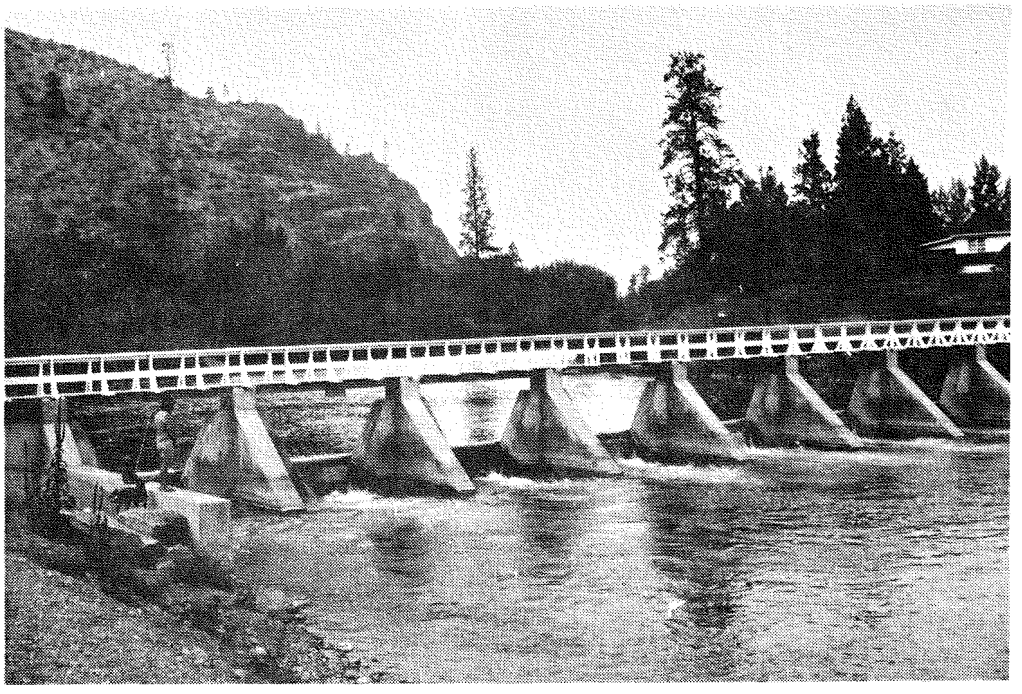


Photo 3 DROP STRUCTURE #17
Flow 300 c.f.s. (August, 1973)

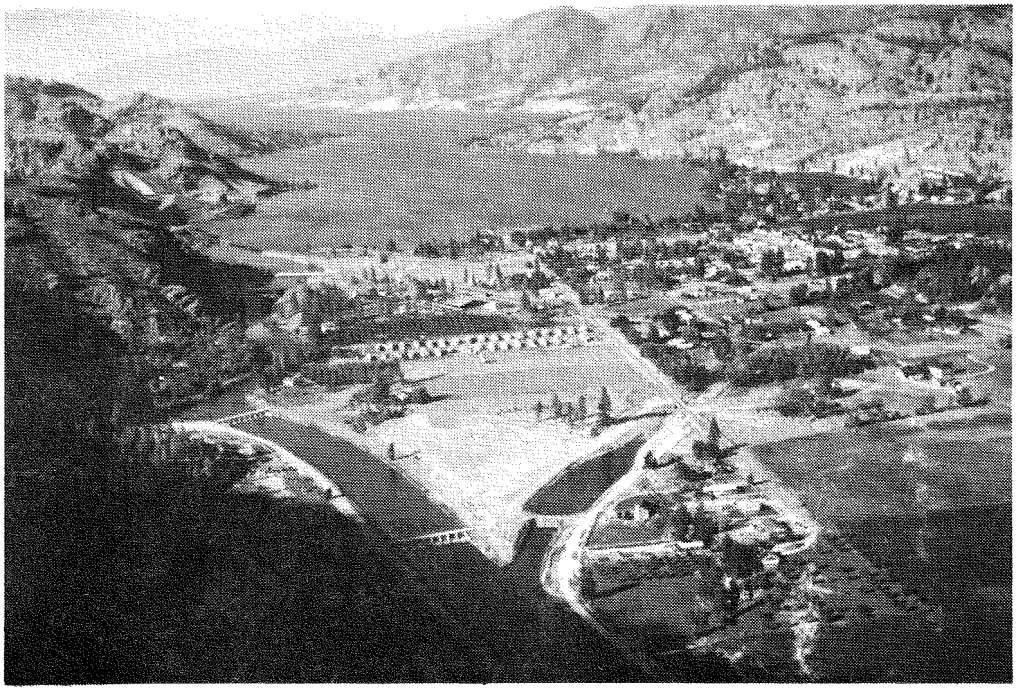


Photo 4 OKANAGAN FLOOD CONTROL CANAL AND
SHUTTLEWORTH DEBRIS BASIN - D.S. #16 (in foreground)
Flow 300 c.f.s. - Looking North (Sept. 12, 1973)

2.2 WATER SUPPLY AND FLOOD CONTROL

The regulation of Okanagan Lake, the major storage reservoir in the valley, is the key to water quantity management along the mainstem Okanagan. Its large storage capacity can be used in high runoff years to reduce the threat of flooding and in low runoff years to provide additional water supplies to and around the lake and south of its outlet at Penticton. Indeed, the lake supplies almost all Okanagan River flows which serve consumptive and non-consumptive uses along the main stem to Okanagan Lake. This study has been concerned not only with the adequacy of water supply sources to meet present and future needs but also the management of these systems under extreme flood and drought conditions.

Present day water management practices are based on the "Okanagan Flood Control Report of 1946" prepared by the Joint Board of Engineers formed by the Federal and Provincial Governments. The level of Okanagan Lake is normally maintained within the four-foot range, 1119.8 feet to 1123.8 feet GSC as recommended by the Joint Board of Engineers. However, due to the large variability in annual inflows to Okanagan Lake and the difficulty of forecasting these inflows accurately, fluctuations above and below this four-foot range are possible. Because most shoreline development has adjusted to the normal range of lake levels, such extreme fluctuations can cause inconvenience and even damage to shoreline users. In a succession of drought years there may not be sufficient water to maintain Okanagan Lake within its normal range and at the same time supply all downstream requirements in Okanagan River. Thus, either Okanagan Lake must be drawn down below its normal low water elevation or water releases to Okanagan River must be reduced.

At the other extreme, Okanagan Lake must be carefully regulated during high inflows. When large runoffs are forecast, the lake is normally drawn down in the early spring to accommodate the freshet. The degree of drawdown possible and the volume of water that can be released during the freshet is dependent on the channel capacity of Okanagan River and the complicated hydrology of Osoyoos Lake. High flows in the Similkameen River can restrict releases from Osoyoos Lake and even reverse it and this coupled with the need to maintain high discharges down Okanagan River, can create flooding on Osoyoos Lake. In practice, a balance is sought to minimize the flood damage around both lakes.

A drought year is defined as one in which the net inflow to Okanagan Lake is less than the water requirements (244,000 acre-feet), while a flood year is defined as one with an inflow of 550,000 acre-feet or greater. These volumes can be compared with the normal four foot storage in Okanagan Lake equivalent to 340,000 acre-feet. Thus, the regulation of Okanagan Lake varies from strict conservation to the other extreme of flood control.

of these works is under the direction of the British Columbia Water Resources Service, Department of Lands, Forests and Water Resources, while maintenance costs are shared between this Department and the Federal Department of Public Works.

Discharges from Okanagan Lake Dam are limited by the channel capacity of the Okanagan River which varies from 2,100 cfs at Penticton to 3,400 cfs at the inlet to Osoyoos Lake. Only minor regulation (9,400 acre-feet) can be obtained on Skaha Lake (surface area 4,710 acres) which is maintained between elevations 1107.6 and 1109.6 by a concrete dam at Okanagan Falls.

In addition to the Okanagan Flood Control Works a small concrete dam at the outlet of Vaseux Lake (surface area 690 acres), operated by the Southern Okanagan Land Improvement District (SOLID), maintains a water elevation on the lake of 975 feet and diverts a portion of the flow, up to 150 cfs through a canal to serve irrigation requirements in and around Oliver.

The maximum discharge at Oliver below the Vaseux Lake Dam is currently held below 3,000 cubic feet per second (cfs) because of channel capacity limitations, local inflow from tributaries which is not controllable, and high-water levels on Osoyoos Lake when flows in the Similkameen River are high.

The level of Osoyoos Lake is normally maintained between 910.0 and 912.0 feet GSC (910.3 and 912.3 USCGS) although the upper level may be exceeded in any flood year due to lack of control of floodwaters on the Similkameen River. The lower level is maintained by the Zosel dam which is located at the outlet of Osoyoos Lake in the State of Washington, USA. In some years low water may be controlled by the formation of a fan from Tonasket Creek. The original purpose of this structure when built in 1927 by the Zosel Lumber Company was for the creation of a mill pond for log storage. In 1948 the dam was modified in accordance to the International Joint Commission's order of September 12, 1946 to pass 2,500 cfs at a pool elevation not exceeding 911.0 feet USCGS (910.7 GSC). Because of the age of this structure there is considerable leakage during low flow periods which has to be compensated for by additional releases from Okanagan Lake to maintain Osoyoos Lake at its normal summer water elevation of 910.7 GSC.

Table 2.2 summarizes the operating criteria for the Okanagan Flood Control Works.

TABLE 2.2 ELEVATIONS AND DESIGN DISCHARGES, OKANAGAN FLOOD CONTROL WORKS AND OTHER CONTROL STRUCTURES

Drainage Basin	Drainage Area in sq. mi.		Details of Okanagan Flood Control Works Note: Elevations based on Geodetic Survey of Canada 1961 datum						
	Local	Cumulative	Structure	Operating Level in ft. High	Operating Level in ft. Low	Operating Range in ft.	Discharge Capacity in cfs	Lake Surface Area in ac.	Remarks
Okanagan Lake Hydrometric Sta. No. 8NM-50 at Penticton	2388.7	2388.7	Okanagan Lake Dam at Penticton	1118.8	1123.8	5	2100 with 2 ft. gate opening and at lake elevation 1119.8	84200	5 sluice gates sill elevation: 1114.6 normal range: 1119.8 - 1123.8 emergency range: 1118.9-1123.8 extreme lake surface area at high water: 86080 ac.
Okanagan River between Hydrometric Sta. No. 8NM-50 at Penticton and Hydrometric Sta. No. 8NM-84 at Okanagan Falls	286.9	2675.6	Okanagan River between Ok.Lk. Dam and Shingle Cr. Shingle Cr. and Ellis Cr. Ellis Cr. and Skaha Lk.				2100 2400 2700		140 ft. base 2:1 side slope approx. 6 ft. fall
			Skaha Lake Dam at Okanagan Falls	1107.6	1109.6	2	2700 at lake elevation 1107.6 (6' above crest)	4710	4 radial gates and 6 stop log bays top gates elevation: 1110.1
Okanagan River between Hydrometric Sta. No. 8NM-84 at Okanagan Falls and Hydrometric Sta. NO. 8NM-85 near Oliver	117.8	2993.4	Okanagan River between Skaha Lake Dam and Vaseux Lake Dam SOLID Canal				2800 150		Includes 4 drop structures
			Vaseux Lake Dam (SOLID Diversion Dam)					690	Vaseux Lake normal elevation: 1074.6 flooding starts at lake elevation: 1076.0
			Okanagan River between Vaseux Lake Dam and Osoyoos Lake				3400		channel width varies from 74 ft. to 88 ft. includes 13 drop structures
Okanagan River between Hydrometric Sta. No. 8NM-85 near Oliver, B. C. and International Boundary	172.3	3165.7	Osoyoos Lake					3657	Osoyoos Lake Normal elevation: 912.1
Okanagan River between International Boundary and Hydrometric Sta. NO. 8NM-127 at Oroville, Wash.	89.0	3254.7						2003 Total: 5660	

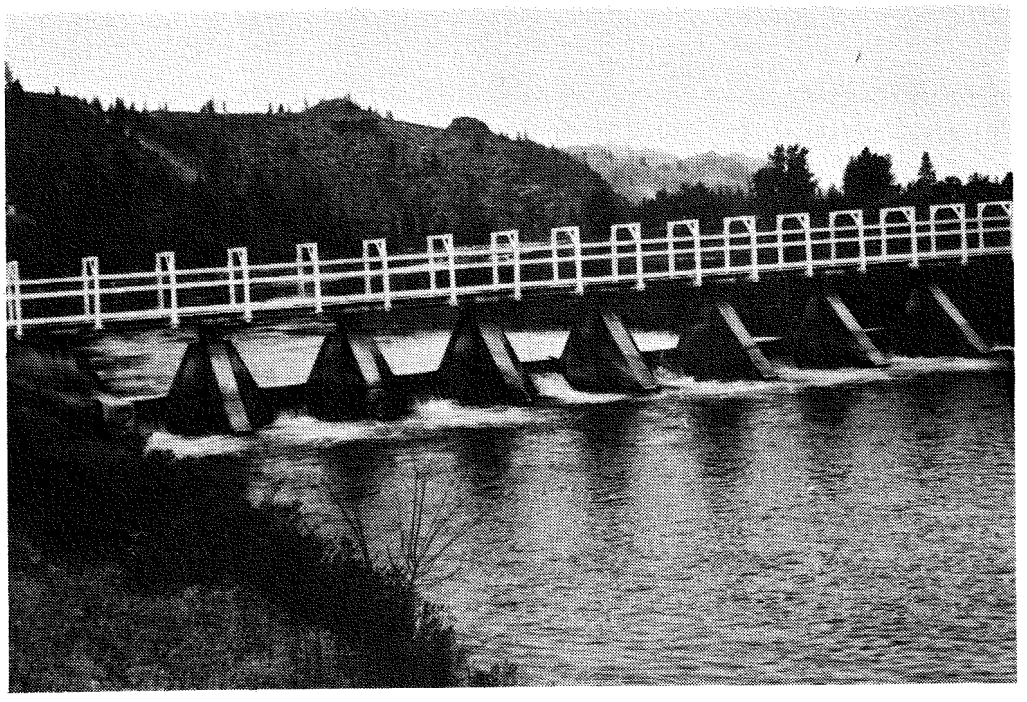


Photo 5 DROP STRUCTURE #15 (Cattle Crossing Type)
Flow 300 c.f.s. (August, 1973)

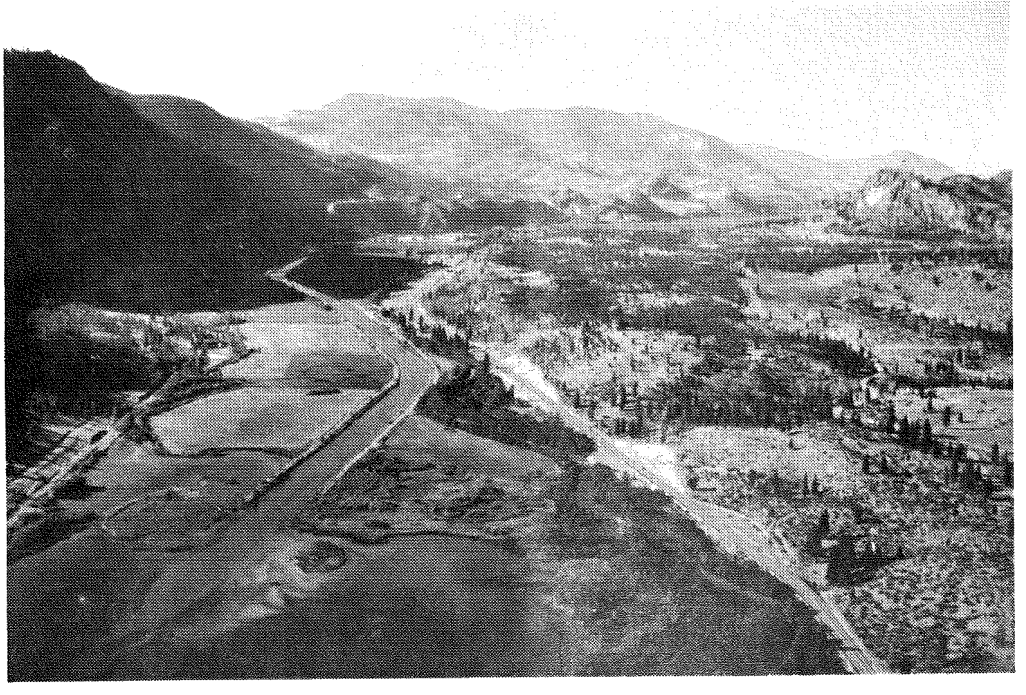


Photo 6 OKANAGAN FLOOD CONTROL CANAL
at entrance to Vaseux Lake
Looking North (Sept. 12, 1973)

The present methods of operating both the mainstem system and the tributaries were simulated in computer models. The output from the models in the form of water levels and discharges was used as the basis for comparison of alternative water management options.

A statistical analysis of the annual discharges for Okanagan River at Penticton, Oliver and Oroville, as simulated by the mainstem computer model are shown in Figure 2.4. The data on which these curves are based are from computer print out 33 contained in Appendix C of this report.

The model terminates at the hydrometric station four miles south of Oliver and the equivalent discharges at Oroville, Washington have been prepared from the more limited historical data available for the period 1943 to 1970.

2.3 OKANAGAN MAINSTEM OPERATION

The mainstem computer model which simulated the operation of Okanagan Lake and Okanagan River from Penticton to Oliver required definition of the present water management objectives and policies. Using these and computed inflows the model was used to simulate operation on a monthly basis over the fifty year period 1921 to 1970. In running the model it was assumed that the Okanagan Flood Control Works (Figure 2.3), which were actually constructed during the period 1950 to 1958 were in operation throughout the period. In each run, it was assumed that either the present day water requirements or some projected future set of water demands were met either in part or in whole for the 50 year period. The model generated inflow forecasts so that the simulation would have the degree of uncertainty that exists in practice due to the errors inherent in making forecasts.

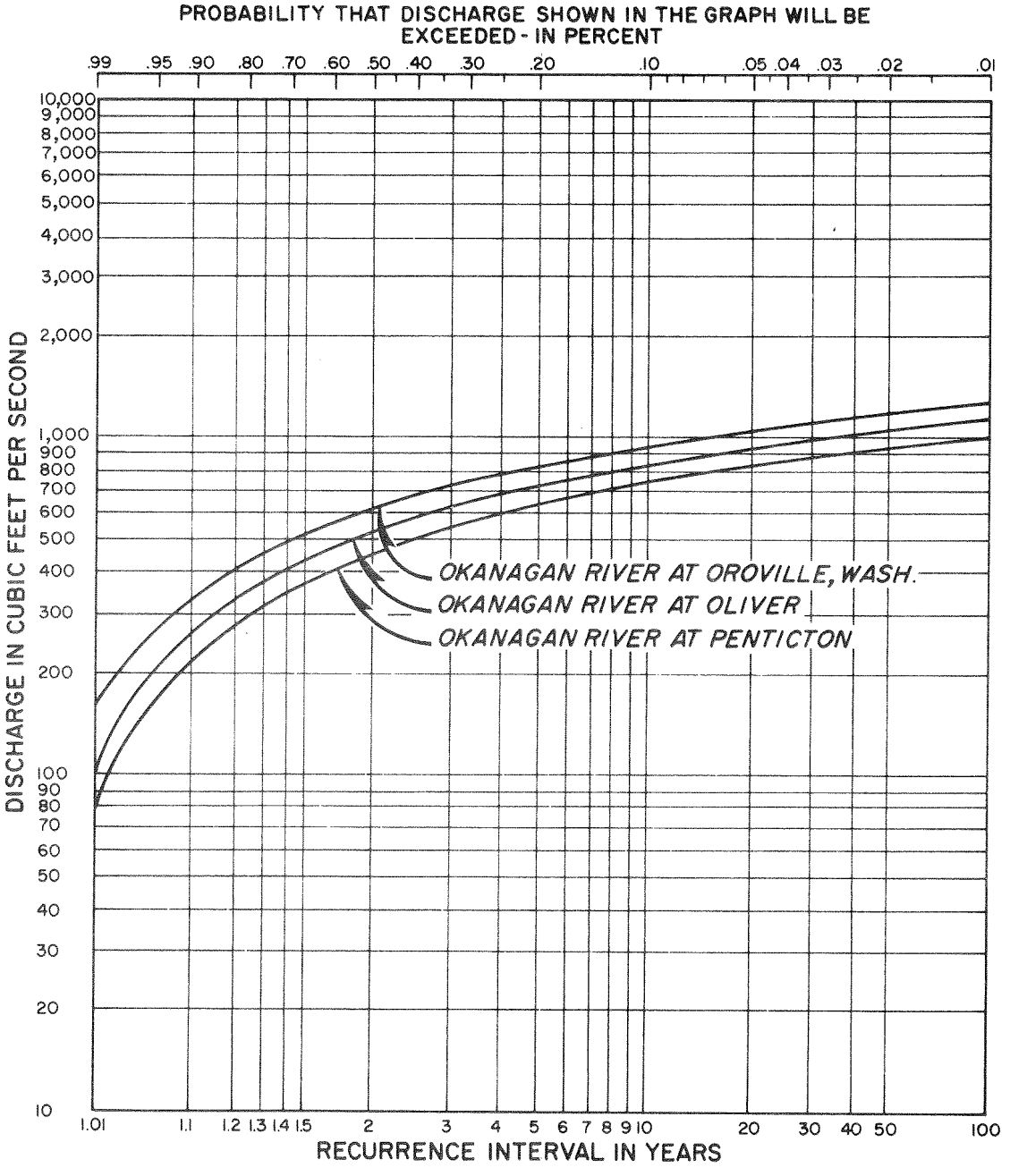
Since the completion of the Okanagan Lake Dam in 1956, water releases have been based on meeting consumptive use and in-channel minimum flow requirements. In most years, any additional discharges to provide minimum fishery flows required for the successful migration of sockeye salmon through Osoyoos Lake and as far upstream as Vaseux Lake Dam have also been released.

Details of this model can be found in Technical Supplement 2 - Water Quantity Computer Models.

Figure 2.5 shows the modified inflows, elevations and discharges for Okanagan Lake resulting from the model operation over the 50 year study period under present operating conditions. A re-occurance of the extreme drought conditions of 1929-31 would result in Okanagan Lake being drawn down at least 3.2 feet below its normal low water operating level assuming all water requirements are met. The lake would drop below its normal low

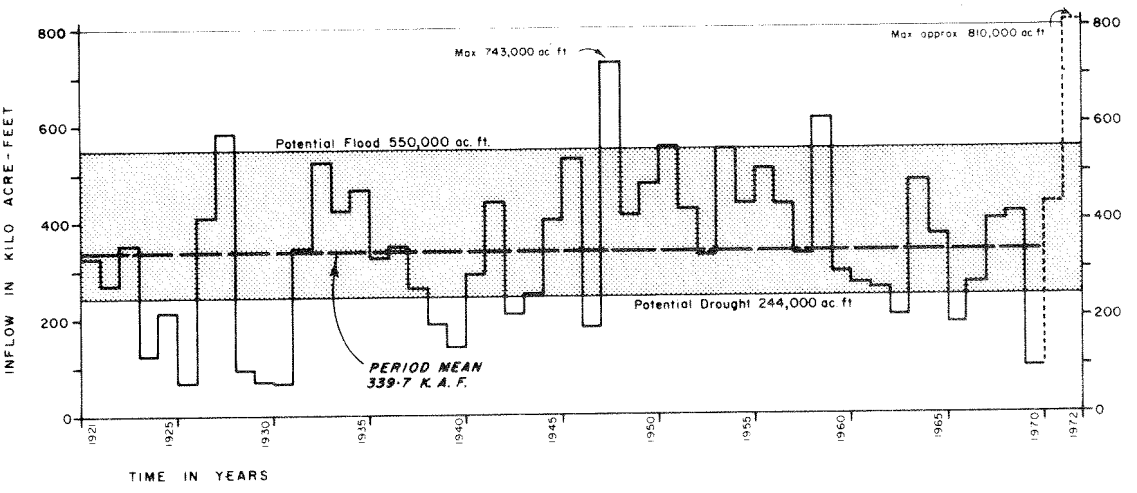
TABLE OF ANNUAL AVAILABLE FLOWS AT VARIOUS PROBABILITY LEVELS

FLOW UNIT	MEAN FLOW	FLOW EQUALLED OR EXCEEDED IN PERCENT OF TIME				LOCATION
		50 Median Flow	80	90	95	
C.F.S.	646	625	433	345	276	Okanagan River at Oroville, Wash.
K.A.F.	467.7	452.5	313.5	249.8	199.8	
C.F.S.	548.5	529.6	353.9	272.3	209.9	Okanagan River at Oliver
K.A.F.	397.1	383.4	256.2	197.1	152.0	
C.F.S.	466.0	449.0	296.0	224.8	170.3	Okanagan River at Penticton
K.A.F.	337.4	325.4	214.3	162.4	123.3	

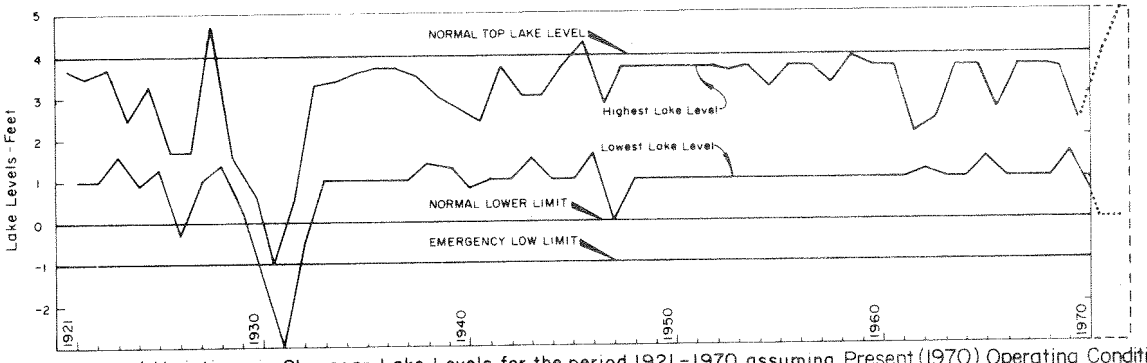


FREQUENCY CURVE, COMPUTER MODEL SIMULATION OF ANNUAL DISCHARGE, OKANAGAN RIVER AT PENTICTON AND OLIVER AND ANNUAL HISTORIC DISCHARGE, OKANAGAN RIVER AT OROVILLE, WASH.

Figure 2.4

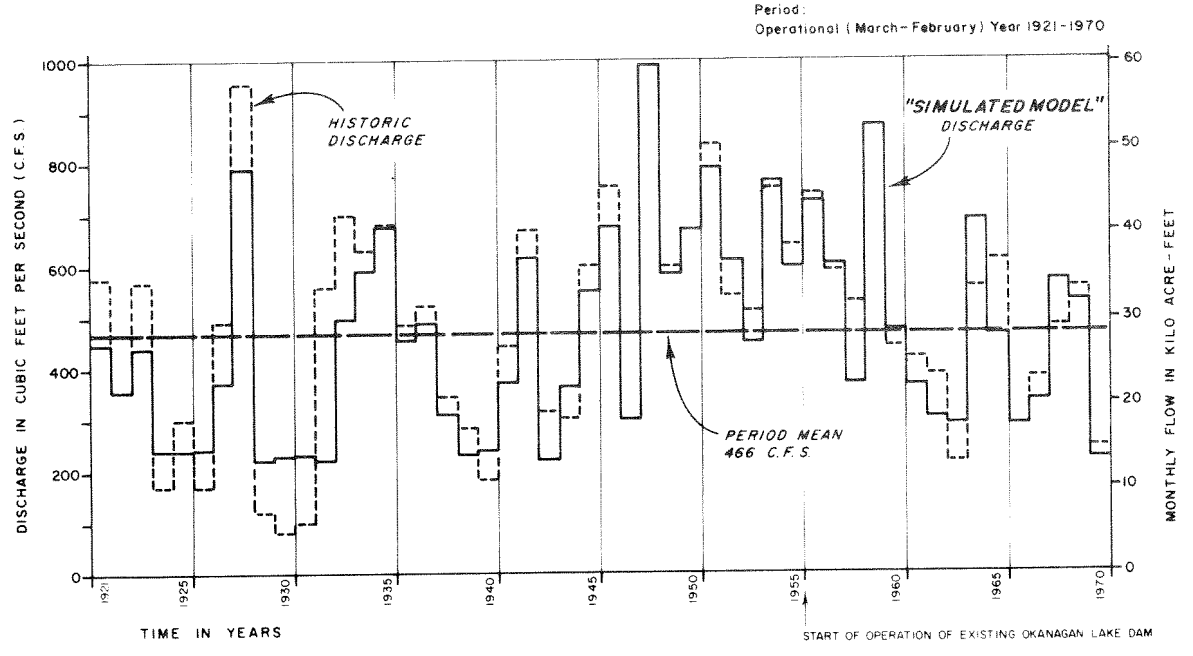


ANNUAL NET MODIFIED (1970 DEVELOPMENT) INFLOW, OKANAGAN LAKE



Computed Variations in Okanagan Lake Levels for the period 1921 - 1970 assuming Present (1970) Operating Conditions and that all Consumptive Demands and Fisheries Requirements are met, when possible.

——— Present Operating Conditions with Residual Flow of 300 cfs in Okanagan River



SIMULATED MODEL DISCHARGES, OKANAGAN RIVER AT PENTICTON COMPARED TO HISTORIC DISCHARGES.

MODIFIED INFLOWS, ELEVATIONS and DISCHARGES for OKANAGAN LAKE BASED on OPERATION of COMPUTER MODEL for PERIOD 1921-70.

Figure 2.5

water elevation in the middle of the second year of the drought and not refill to a level of 3.0 feet above the normal low level until three years later. Such a prolonged drought has occurred only once in this century and was prevalent over much of North America.

The total volume of water required each year to satisfy all uses on Okanagan River, including minimum flows for the salmon fishery, are presently estimated at 244,000 acre-feet. Assuming that all this has to be supplied from Okanagan Lake, this inflow will be equalled or exceeded on the average in all but about one year in four as shown in Figure 2.6. However, lesser inflows do not necessarily mean water shortages, providing Okanagan Lake enters the drought with carry-over storage. If forecasts made from snow surveys and other hydrologic parameters indicate a low runoff, Okanagan Lake is operated to retain as much carry over storage as possible which can amount to a foot or more.

While single year droughts such as occurred in 1970 and again in 1973 can be handled, the possibility of a succession of dry years cannot be overlooked. As mentioned above, if there were to be a major prolonged drought of three years (such as occurred in 1929 to 1931), Okanagan Lake would have had to be drawn down to 1116.6 or some three feet below its normal low water elevation in order to meet present day requirements.

A frequency analysis of both two year and three year drought sequences (Figures 2.7 and 2.8 indicates that the 1929-31 drought was exceptionally severe and that it probably has a recurrence interval of about 200 years. A two year drought of the severity of the 1929-30 inflow (the driest two year sequence on record) is indicated as having a return period of about 100 years.

At the other end of the spectrum are those years in which excessive inflows or floods occur. In general, a forecast seasonal inflow of greater than 550,000 acre-feet is considered to indicate a potential flood. In years in which high inflows are forecast, Okanagan Lake is drawn down to its normal low water elevation prior to the freshet to provide maximum storage. (Reference Figure 2.9).

2.4 EFFECTS OF FLOODS AND DROUGHTS ON SHORELINE DEVELOPMENT

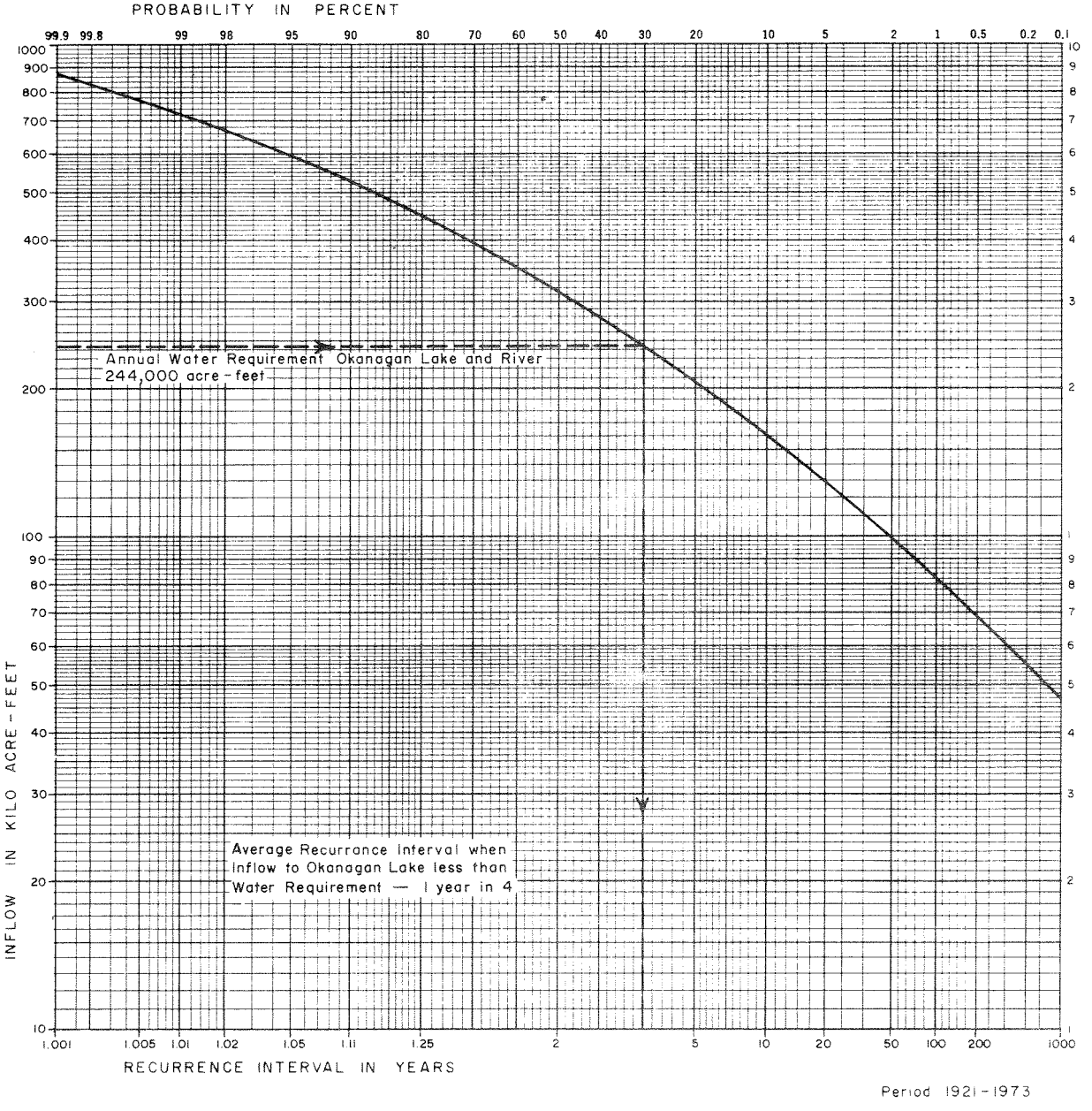
For Okanagan Lake, damage was assessed for 0.5 foot increments up to two feet above the present normal high water elevation of 1123.8 feet and for 0.5 foot increments down to three feet below the present normal low water elevation of 1119.8 feet. For Osoyoos Lake, the shoreline survey was restricted to assessing potential flood damage to 919.4 feet GSC (919.1 feet USCGS), 7 feet above the normal high water elevation of 912.1 feet GSC. No assessment

TABLE OF MOST CRITICAL YEARS

MAGNITUDE (K.A.F.)	YEAR
96.0	1929
116.2	1931
127.4	1970
127.9	1926
131.4	1930
137.2	1973
146.6	1924

TABLE OF CURVE VALUES

PROBABILITY IN PERCENT	50.0	20.0	10.0	5.0	2.0	1.0	0.5	0.1
RECURRENCE INTERVAL IN YEARS	2.0	5.0	10.0	20.0	50.0	100.0	200.0	1000.0
MAGNITUDE IN KILO ACRE-FEET	312.7	205.2	160.2	128.6	98.8	82.1	68.8	46.7



LOW-FLOW FREQUENCY CURVE,
SEASONAL (APRIL-JULY) NET INFLOWS, OKANAGAN LAKE

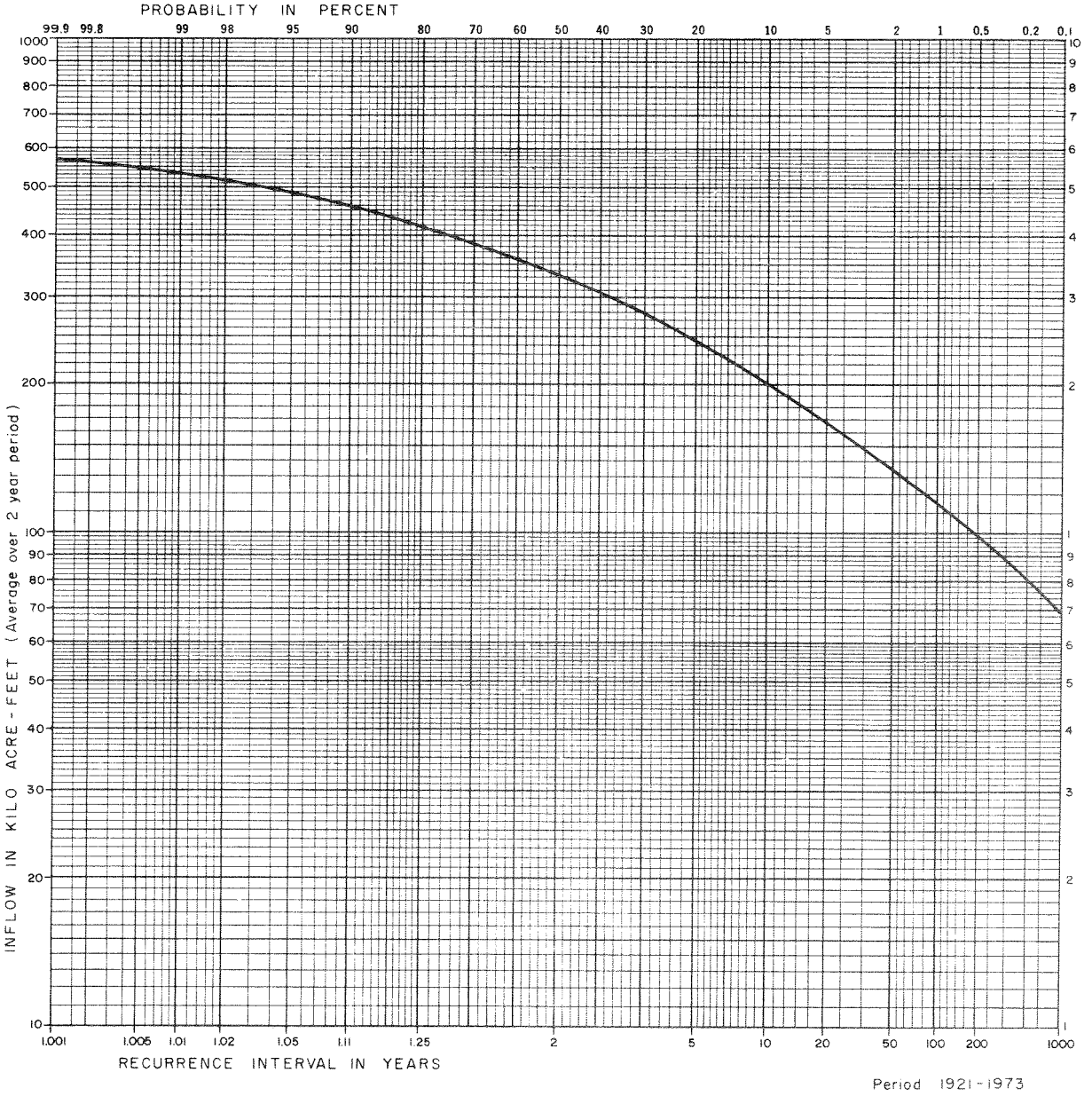
Figure 2.6

TABLE OF MOST CRITICAL YEARS

MAGNITUDE (K.A.F.)	YEARS
113.7	1929-1930
123.8	1930-1931
184.8	1926-1927
192.0	1940-1941
197.0	1939-1940
200.8	1925-1926

TABLE OF CURVE VALUES

PROBABILITY IN PERCENT	50.0	20.0	10.0	5.0	2.0	1.0	0.5	0.1
RECURRENCE INTERVAL IN YEARS	2.0	5.0	10.0	20.0	50.0	100.0	200.0	1000.0
MAGNITUDE IN KILO ACRE-FEET	332.4	244.6	201.5	168.5	135.0	115.0	98.5	69.6



LOW-FLOW FREQUENCY CURVE,
2 YEAR MOVING AVERAGE
SEASONAL (APRIL-JULY) NET INFLOWS, OKANAGAN LAKE

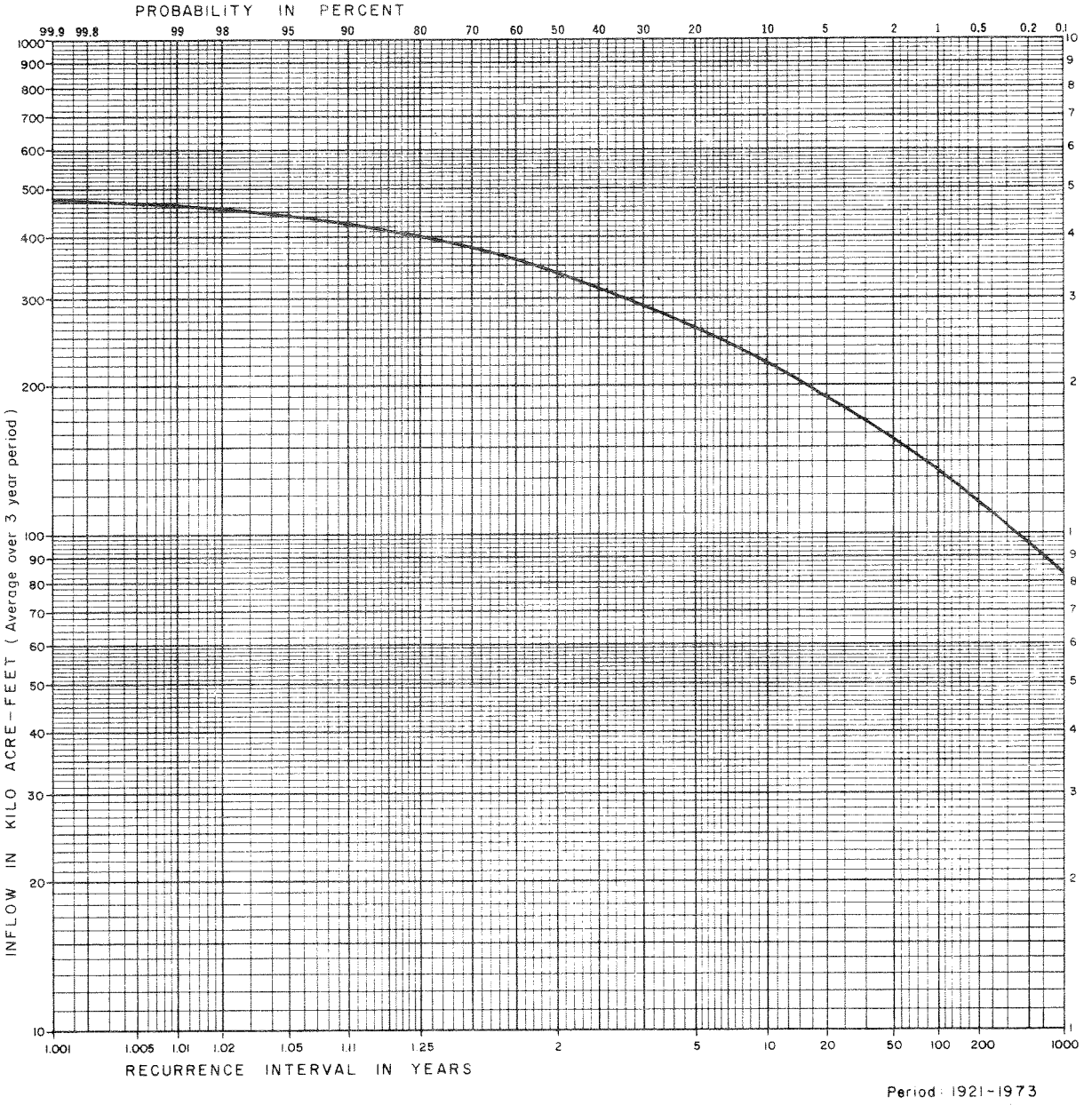
Figure 2.7

TABLE OF MOST CRITICAL YEARS

MAGNITUDE (K.A.F.)	YEARS
114.5	1929 - 1930 - 1931
182.7	1924 - 1925 - 1926
196.2	1930 - 1931 - 1932
200.4	1939 - 1940 - 1941
214.4	1925 - 1926 - 1927
227.9	1938 - 1939 - 1940

TABLE OF CURVE VALUES

PROBABILITY IN PERCENT	50.0	20.0	10.0	5.0	2.0	1.0	0.5	0.1
RECURRENCE INTERVAL IN YEARS	2.0	5.0	10.0	20.0	50.0	100.0	200.0	1000.0
MAGNITUDE IN KILO ACRE-FEET	337.2	262.3	221.8	189.3	154.9	133.7	115.7	83.4



LOW-FLOW FREQUENCY CURVE,
3 YEAR MOVING AVERAGE
SEASONAL (APRIL-JULY) NET INFLOWS, OKANAGAN LAKE

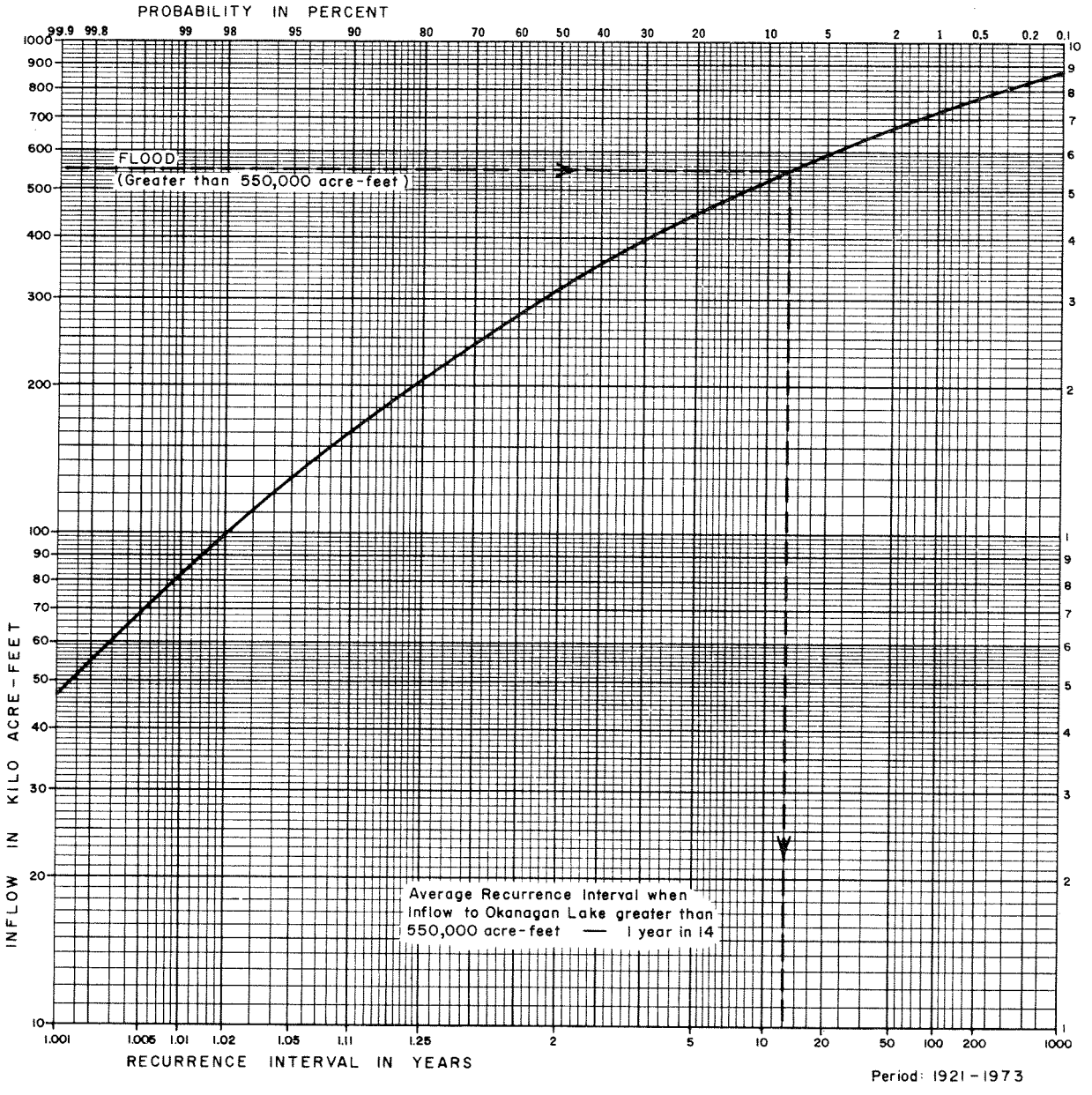
Figure 2.8

TABLE OF MOST CRITICAL YEARS

MAGNITUDE (K.A.F.)	YEAR
697.3	1972
638.2	1928
606.3	1948
547.2	1946
522.9	1951

TABLE OF CURVE VALUES

PROBABILITY IN PERCENT	50.0	20.0	10.0	5.0	2.0	1.0	0.5	0.1
RECURRENCE INTERVAL IN YEARS	2.0	5.0	10.0	20.0	50.0	100.0	200.0	1000.0
MAGNITUDE IN KILO ACRE-FEET	312.7	446.0	523.8	591.2	668.4	720.4	767.9	864.1



HIGH-FLOW FREQUENCY CURVE,
SEASONAL (APRIL-JULY) NET INFLOWS, OKANAGAN LAKE

Figure 2.9

of lake drawdowns was undertaken. These fluctuations are considered to include the maximum likely under extreme flood or drought conditions, assuming existing operating procedures are not drastically changed.

2.4.1 Okanagan Lake

Impacts on shoreline landuse resulting from extreme fluctuations in Okanagan Lake are evaluated in both economic and social terms. Economic impacts include flood damage to properties and structures, adjustments to water intakes to the Kelowna floating bridge, and loss of revenue at recreation sites. Social and environmental impacts involve loss of use of recreation facilities such as boat docks and boat launching ramps, exposure of unsightly lake bottom and inundation of public recreation sites. In addition, fluctuating lake levels can affect wildlife and fish spawning abilities and these are discussed in Chapter 8 and 9 of the main report.

a) Economic Damage

The major aspects of flood damage are shown on Table 2.3. If Okanagan Lake levels were to exceed the normal high water elevation by two feet (1125.8 feet), approximately $476,000 damage would occur. Much of this damage is due to flooding of landscaped lawns and patios and to 58 private residences which would have water in their main floors or basements. Flood damage potential increases rapidly above 1124.8 feet; however, most property owners have not improved their land below this elevation, as Okanagan Lake frequently rose to this level prior to the construction of the Okanagan Flood Control Works in 1956. However, since 1956 Okanagan Lake has only exceeded its normal high water elevation once (in 1972) and as a result new developments which extend down to normal high water elevation suffered some flood damage in 1972.

As most campsites and motels have been developed back from the lakeshore, only five establishments would suffer direct damage in a two-foot flood. While there would be little direct loss of revenue at motels and campsites, up to $26,000 of gas and rental sales could be lost at marinas and boat rental facilities due to high water levels.

In 1972 when the lake rose to 1124.7 feet, approximately 0.9 feet above normal high water elevation an estimated $56,000 damage occurred to shoreline development. About $45,500 of this total involved residential properties, the balance of $11,000 involving commercial establishments. This total does not include flood damage and seepage due to high water tables which affected residential properties at the mouths of Mission, Kelowna and Trout Creeks.

In addition, there was seepage into basements and crawlspaces at several lakeshore properties and flooding of septic tank drainage fields. Although little economic damage was reported from these problems during the 1972 flood, they were an inconvenience and could result in more extensive damage during greater floods.

TABLE 2.3

ECONOMIC COSTS OF EXTREME FLUCTUATIONS ON OKANAGAN LAKE

Lake Elevation Feet (G.S.C.)	Relative To Normal Maximum (Feet)	Direct Damage	Revenue Loss	Kelowna Bridge	Total
1123.8	0				
1124.3	+0.5	$ 28,300	$ 400	$15,000 e/	$ 43,700
1124.8	+1.0	72,500	1,500	30,000 e/	104,000
1125.3	+1.5	218,900	17,200	30,000 e/	266,100
1125.8	+2.0	420,000	26,000	30,000 e/	476,000

Lake Elevation Feet (G.S.C.)	Relative To Normal Minimum (Feet)	Kelowna* Bridge (Annual Cost)	Lower Intakes	Direct Loss of Revenue
1118.8	-1.0	$ 900	0	$ 5,500
1117.8	-2.0	6,900	0	17,800
1116.8	-3.0	8,600	?	28,000
1116.0	-3.8	10,000 e/	10,000 e/	40,000

*NOTE: Costs are not additive because some represent amortized annual costs associated with structural changes, while loss of revenue costs only occur when lake is actually drawn down to elevations indicated.

e/ Estimated - very approximate.

Adjustments to the Kelowna floating bridge are required if lake levels rise above 1123.8 feet. In 1972, approximately $30,000 was spent in ballasting the pontoons to accommodate the high water. This cost is not expected to increase significantly at higher water elevations and would be somewhat lower for smaller floods.

Direct economic costs associated with low water levels could total $200,000 if the lake was drawn down to 1116.0 feet. Indirect costs associated

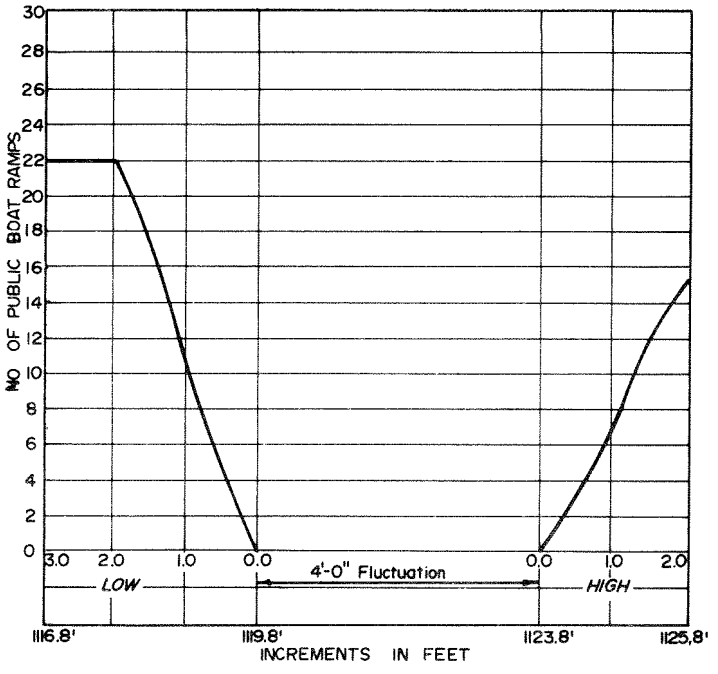
with loss of tourist trade due to low quality beach recreation could be substantial and will be discussed later in this Chapter. It should be emphasized that direct and indirect cost estimates are very imprecise as lake levels below 1119.0 feet have not been experienced. The main direct economic costs would involve structural adjustments. This is because prior to the construction of the new Okanagan Lake Dam in 1956, the crest elevation of the previous dam and bar formations downstream did not allow the lake to be drawn down below elevation 1119.0 feet. During the 1929-31 drought, downstream requirements were not met and flows fell to zero at times.

b) Non-Economic Impacts

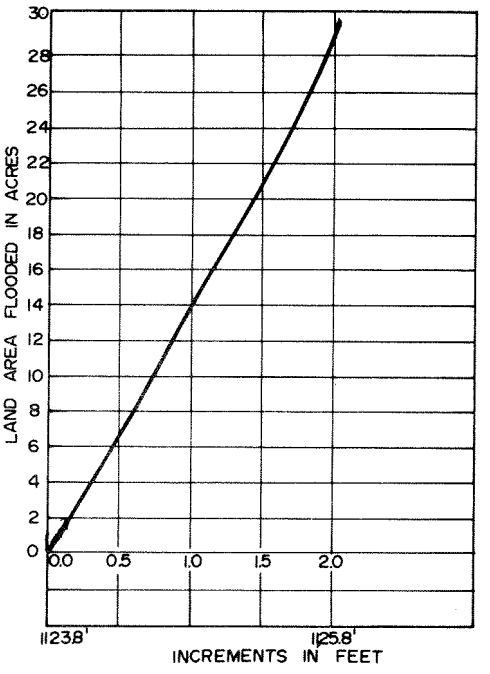
There appears to be a linear relationship between most categories of recreation and aesthetic uses of the shoreline, and lake level fluctuations (Figure 2.10). All 22 public boat launching facilities around Okanagan Lake would be inoperable at lake elevations below 1117.8 feet but, as such low elevations would likely occur in winter and early spring (except for prolonged drought conditions), inconvenience would be relatively small. A large number of private boat docks are used only during the summer months and have been built to accommodate only the relatively small fluctuations in lake levels during this period (approximately 1121.5 to 1124 feet). Consequently, almost 600 boat docks would be inoperable at the normal minimum operating level of 1119.8 feet and almost 900 at an extreme low elevation of 1116.8 feet. Similarly, many boat docks are inundated at levels exceeding the normal maximum of 1123.8 feet but, in most cases, this is an inconvenience rather than a loss of use.

There appears to be a significant loss of public recreation beach at higher water elevations, totalling almost 30 acres at an elevation of 1125.8 feet. During the 1972 flood, when almost 14 acres of public beach were under water, a survey of beach users indicated that the vast majority did not consider such a loss an inconvenience - many viewing it as a benefit as the shallow swimming area was extended. At some motels and private resorts where beaches almost disappeared, there was a greater loss of opportunity.

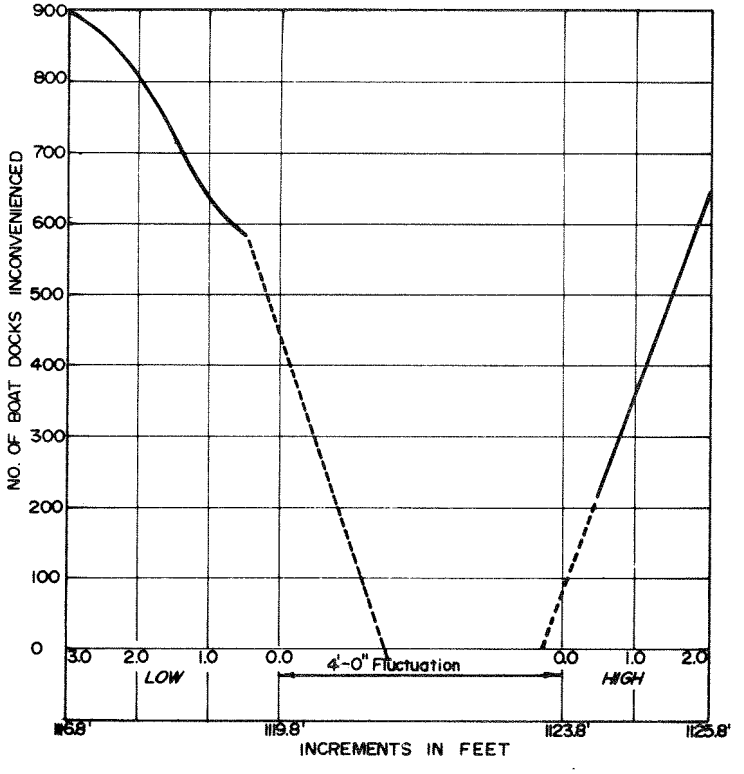
Lake drawdowns could potentially produce greater aesthetic and recreational losses. Soundings down to 1116.0 feet were taken during the shoreline survey and, in many developed areas of shoreline, between 500 to 1,000 feet of lake bottom would be exposed at such elevations (Map 1 - Fold-out). In most instances, low lake elevations are expected in winter and each spring so, such exposure though aesthetically displeasing, would have little impact on the tourist industry. In a prolonged drought, however, low lake



OKANAGAN LAKE
a) Public Boat Ramps Inconvenienced
-Cumulative



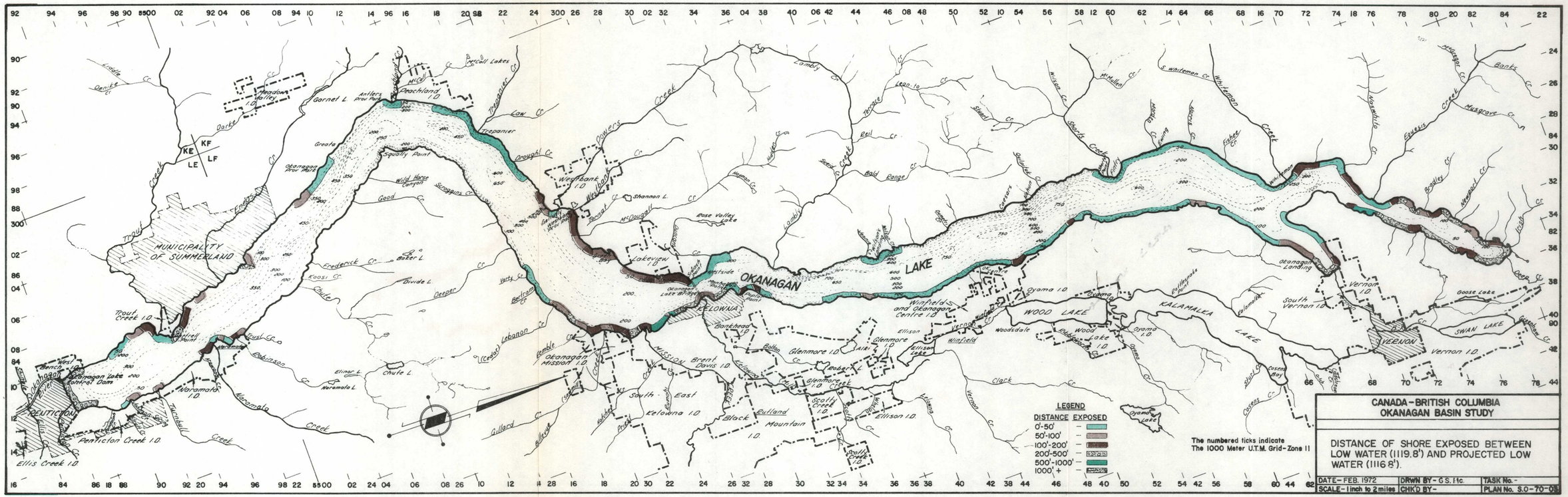
OKANAGAN LAKE
b) Area of Public Recreation Sites Flooded
-Cumulative



OKANAGAN LAKE
c) Boat Docks Inconvenienced
— Cumulative

EFFECT of LAKE LEVEL FLUCTUATIONS on SHORELINE RECREATIONAL FACILITIES, OKANAGAN LAKE.

Figure 2.10


OKANAGAN LAKE
MUNICIPALITY OF SUMMERLAND
PENTICTON
KELOWNA
VERNON
WOOD LAKE
KALAMALKA LAKE
SWAN LAKE
Penticton Creek I.D.
Ellis Creek I.D.
Trout Creek I.D.
Okanagan Mission I.D.
Westbank I.D.
Peachland I.D.
Meadow Valley I.D.
Naramata I.D.
Glenmore I.D.
Black Mountain I.D.
Rutland I.D.
Scotty Creek I.D.
Oyama I.D.
Winfield and Okanagan Centre I.D.
Vernon I.D.
South Vernon I.D.
Okanagan Landing
Okanagan Lake dam
Okanagan River dam
Penticton Indian Reserve
Garnet L.
Greata
Trout Creek
Eneas Cr.
Darke Cr.
Eneas Creek
Squally Point
Wild Horse Canyon
Okanagan River dam
Shingle Cr.
Good Cr.
Frederick Cr.
Koosi Cr.
Baker L.
Divide L.
Deeper
Deeper Cr.
Vaseux Cr.
Bedham Cr.
Trout Cr.
Robinson Cr.
Naramata Cr.
Naramata Creek
Tracy Cr.
Tracy Creek
Ellner L.
Naramata L.
Chute L.
Chute
(Cedar) Lebanon Cr.
Gillard Cr.
Gillard
Bentley Cr.
Bentley Creek
Powers Creek
Westbank Cr.
Shannon L.
McDougall Cr.
McDougall L.
Rose Valley Lake
Lakeview I.D.
Westside
Bankhead
Bankhead I.D.
Belgo
Belgo Cr.
Glenmore
Glenmore Cr.
Ellison
Ellison Lake
Ellison I.D.
Winfield
Vernon Cr.
Clark
Clark Cr.
Oyama Lake
Oyama Cr.
Woodsdale
Wood Lake
Wood Lake I.D.
Kalamalka Lake Park
Coldstream
Coldstream Cr.
Okanagan Landing
Goose Lake
Goose Lake Cr.
Casorso Bay
Casorso Cr.
Duck Cr.
Duck Lake
Swalwell Cr.
Swalwell
Whitevale
Whitevale Cr.
Fisher Cr.
Bradley Cr.
Kreyenhagen Cr.
Irish Cr.
Eneas Creek
Musgrave Cr.
Bonkers Cr.
Hosmer Cr.
Lambly Cr.
Terrace
Kelowna
Bald Range
Bald Range Cr.
Stack Cr.
Stack Creek
Hayman Cr.
Hayman
Hall Cr.
Hall
Peachland
Peachland I.D.
Prospector Cr.
Low Cr.
Trepanier
Drought Cr.
Parcell Lakes
Antlers Drive Park
Mt. Boucherie
Mt. Boucherie I.D.
Mt. Gallilee
Mt. Gallilee I.D.
Mt. Helen
Mt. Helen Cr.
Kitsuna Cr.
Sharp Creek
Sharp Cr.
Bypass
Bypass Cr.
Swamp
Swamp Cr.
Whitevale
Whitevale Creek
S. Whiteman Cr.
Whiteman Creek
Whiteman Cr.
Hosmer Cr.
Bonkers Cr.
Musgrave Cr.
Eneas Creek
Bradley Cr.
Kreyenhagen Cr.
Irish Cr.
Goldstream
Goldstream Cr.
Oyama I.D.
Oyama
Bellevue Creek
Bellevue Creek Park
Kalamalka Park
Kalamalka Lake
Kalamalka Lake Park
Okanagan Landing
Vernon
Vernon I.D.
Goose Lake
Goose Lake Cr.
Swan Lake
Swan

levels could persist through the summer and significantly reduce the quality of beach recreation. In the absence of actual experience of such low lake levels, attempts were made to assess their impact on tourism during the beach user questionnaire survey. Although only a few respondents stated that they would not stay in the Okanagan under such conditions. It is believed that lake levels below 1120 feet throughout the summer could have a significant impact on the tourist industry.

c) Annual Damage

Fluctuations of Okanagan Lake beyond the normal four-foot range occur very infrequently. The mathematical model which simulated operation of Okanagan Lake over the past 50 years, indicated that flooding would only have occured on three occasions (1928, 1948, 1972) and lake drawdowns below 1119.8 feet on five occasions. Thus, although total damage in any one year could be relatively large, because such extreme events occur relatively infrequently, annual damage is considerably reduced in size and impact.

Estimates of average annual impacts on Okanagan shoreline landuses are shown in Table 2.4. Non-economic impacts on value, in unit-days, represent the total opportunity lost during a period of extreme high or low water levels. For example, if 10 public boat ramps were unusable for a period of 60 days due to high water, a total of 600 boat launching days would be lost. This figure represents a maximum loss because the ramps may not be used every day, though seasonal usage of these and other recreational facilities was taken into account through the use of monthly weighting factors.

Annual economic costs due to flooding and lost revenue total some $2,000 through additional costs associated with possible structural adjustments to Kelowna Bridge and water intakes could increase this to over $22,000. Likewise, other annual costs are relatively small with the exception of impacts on the use of private boat docks. In this case, many short-term adjustments are available and such costs should be considered an inconvenience rather than a real loss of use. There is little doubt that a recurrence of the 1929-31 drought would have significant impacts on recreation and general aesthetics and these would have to be balanced against the consequences of reducing releases into Okanagan River and the subsequent effects on fisheries and aesthetics in that region.

TABLE 2.4

TOTAL AND ANNUAL DAMAGES FOR SELECTED LANDUSE CATEGORIES AROUND OKANAGAN LAKE FOR SIMULATED OPERATION UNDER EXISTING CONDITIONS, 1921-1970

(a) ECONOMIC

Economic Costs	Total Damage	Annual Damage
Property Damage	$ 67,000	$ 1,350
Loss of Revenue	38,750	780
Adjustments to Intakes	100,000 e/	10,000 e/
Adjustments to Kelowna Bridge	112,000 e/	10,000 e/
Total Costs	$317,750	$22,130

(b) NON-ECONOMIC

Non-Economic Impacts	Total Damage	Annual Damage
Public Boat Ramps (Ramp Days)	3.920	78.4
Private Boat Docks (Boat Dock Days)	253,430	5,068.6
Public Recreation Sites (Acre-Days)	345	6.9
Private Property Flooded (Acre-Days)	2,642	52.8

e/ Estimated - very approximate.

2.4.2. OSOYOOS LAKE

In light of the significant flood potential on Osoyoos Lake and the occurrence of a major flood in June 1972, most emphasis in the shoreline survey was placed on damage assessment at high water levels.

Osoyoos Lake usually fluctuates within a two-foot range (910 to 912 feet GSC), the flood stage normally being considered to be 912.1 feet. In early June 1972, Osoyoos Lake peaked at 917.11 feet USCGS (916.85 feet GSC), the highest level this century and the second highest on record. This event enabled a detailed assessment of the economic and social costs of flooding on residential, commercial and recreational landuses.

a) Economic Damage

As is the case of Okanagan Lake, direct economic damage to property, structures and utilities such as septic tanks is relatively small for the small more frequent floods, but increases rapidly to over $300,000 for a flood of 919.4 feet (Table 2.9). In the 1972 flood, actual damage including costs of flood prevention amounted to $121,000, approximately $88,000 to residential properties and $33,000 to commercial establishments.

TABLE 2.5

STAGE-DAMAGE FUNCTION FOR 1972 LEVEL OF DEVELOPMENT AROUND OSOYOOS LAKE
(dollars)

STAGE (FEET) GSC	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	AGRICULTURAL	RECREATIONAL	LOSS OF REVENUE	TOTAL
912.9	4	4	-	20	-	-	28
913.4	3,538	41	-	43	-	2,000	5,621
913.9	9,006	5,266	59	117	-	4,900	19,549
914.4	19,899	6,135	59	131	-	11,800	38,024
914.9	31,585	12,829	59	1,081	-	18,300	63,855
915.4	49,904	20,000	178	1,838	514	27,000	94,435
915.9	47,138	22,297	1,013	3,946	680	89,500	124,575
916.4	76.005	27,068	1,013	6,049	905	55,600	166,641
916.9	97,971	36,649	1,013	10,342	905	80,000	226,880
917.4	116,033	53,957	1,013	13,283	1,308	106,000	291,596
917.9	133,247	68,503	1,679	16,071	4,004	130,000	351,993
918.4	152,239	71,350	1,679	18,858	4,315	145,000	394,441
918.9	163,290	100,636	1,679	23,307	5,389	155,800	449.301
919.4	168,961	105,737	1,679	25,833	5,752	160,000	467,951

In addition to direct damage, there can be a significant loss of revenue to motels and campsites both during the period of flooding and cleanup. In 1972, for example, it is estimated that the Osoyoos region lost over $86,000 gross revenues due to loss of tourist business at shoreline resort facilities. Very little of this business appeared to move to other motels in the region, most affected tourists avoiding the Okanagan completely. Again, revenue losses are small up to the two-foot flood ($130,000) and then level off to reach $160,000 at the seven-foot level. This stage-damage relationship should be interpreted with care as revenue loss also depends on flood durations but, as it was based on the three-month flood of 1972, it probably does not underestimate losses.

b) Non-Economic Impacts

There are two public boat ramps on Osoyoos Lake and both are inundated at the 2.5 foot flood level (914.6 feet GSC). Recreation beaches are not seriously affected by high lake levels until the 4.5 foot flood (916.6 feet GSC) when the causeway to the Provincial Park at Haynes Point becomes sub-

merged and most of the usable public beach area is flooded. These conditions existed for a short time in 1972 forcing the closure of the Provincial campsite but, although lake levels remained high throughout July, most beach recreationists interviewed did not consider these conditions a major obstacle in their recreational enjoyment (Table 2.6)

In addition to direct economic costs, flooding can result in significant social costs such as loss of opportunity to enjoy one's property, volunteer labour costs and disruption of utilities (Table 2.7). In 1972, 130 private residences were directly affected by high water and over 60 acres (2.1 million square feet) of improved property was submerged. In addition, an estimated 21,000 man-hours of labour was required in flood prevention, evacuation, cleanup and repairs.

High lake levels create high groundwater tables at the shoreline. As the groundwater table rises, it can flood septic tank fields and even domestic water systems. It is estimated that, in 1972, 70% of shoreline properties served by septic tanks were affected by seepage, some for as long as two months. In addition, people served by groundwater wells had to obtain alternative domestic water supplies until the wells were cleaned out, after the flood waters had receded.

c) Annual Flood Damage

Although flooding on Osoyoos Lake occurs more frequently than on Okanagan Lake, major floods are still a relatively rare occurrence. Figure 2.11 presents a stage-frequency curve for Osoyoos Lake and indicates that minor flooding may be expected every other year but flood levels of the size occurring in 1972 are only expected once every 50 years. As the small floods produce very little economic damage, annual flood damage around Osoyoos Lake is small, totalling approximately $21,000 for the existing (1972) level of shoreline development.

TABLE 2.6

AREA OF PUBLIC RECREATION SITES FLOODED

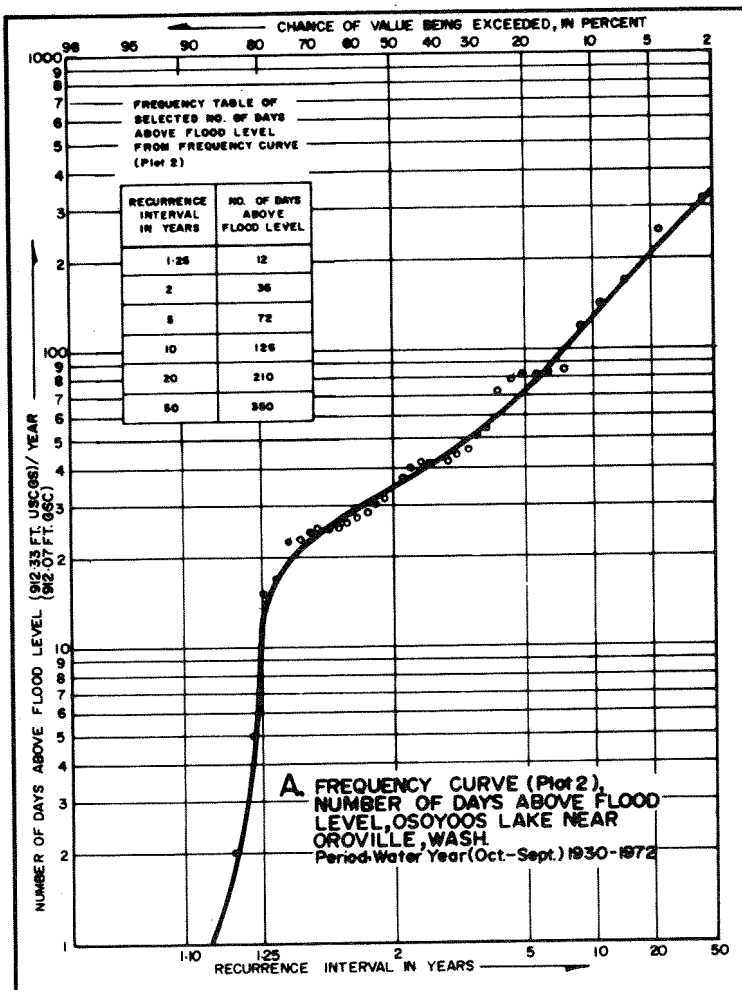
OSOYOOS LAKE

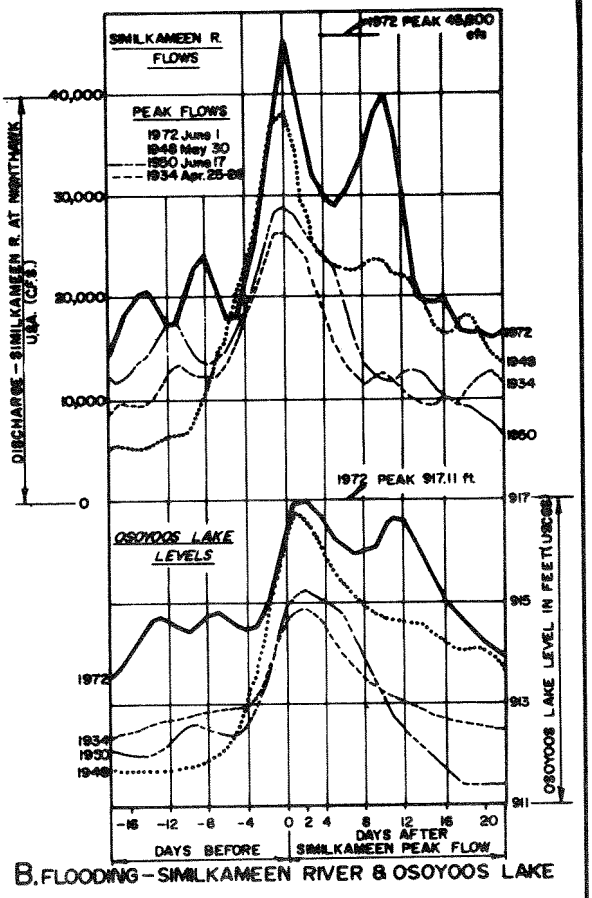
INCREMENT		INCREMENTAL		CUMULATIVE	
Feet GSC	Feet	Sq. Ft.	Acres	Sq. Ft.	Acres
912.1		Commencement of Flood Stage			
912.9	.8	19,265	.442	19,265	.442
913.4	1.3	26,290	.603	45,555	1.045
913.9	1.8	25,530	.586	71,085	1.631
914.4	2.3	17,530	.402	88,615	2.034
914.9	2.8	17,530	.402	106,145	2.436
915.4	3.3	19,195	.440	125,340	2.877
915.9	3.8	33,585	.771	158,925	3.648
916.4	4.3	33,585	.771	192,510	4.419
916.85	4.75	1972 Flood Level			
916.9	4.8	530,571	12.18	723,081	16.599
917.4	5.3	10,530	.241	733,611	16.841
917.9	5.8	7,155	.164	740,766	17.005
918.4	6.3	9,045	.207	749,811	17.213
918.9	6.8	12,015	.275	761,826	17.489
919.4	7.3	11,850	.275	773,676	17.761

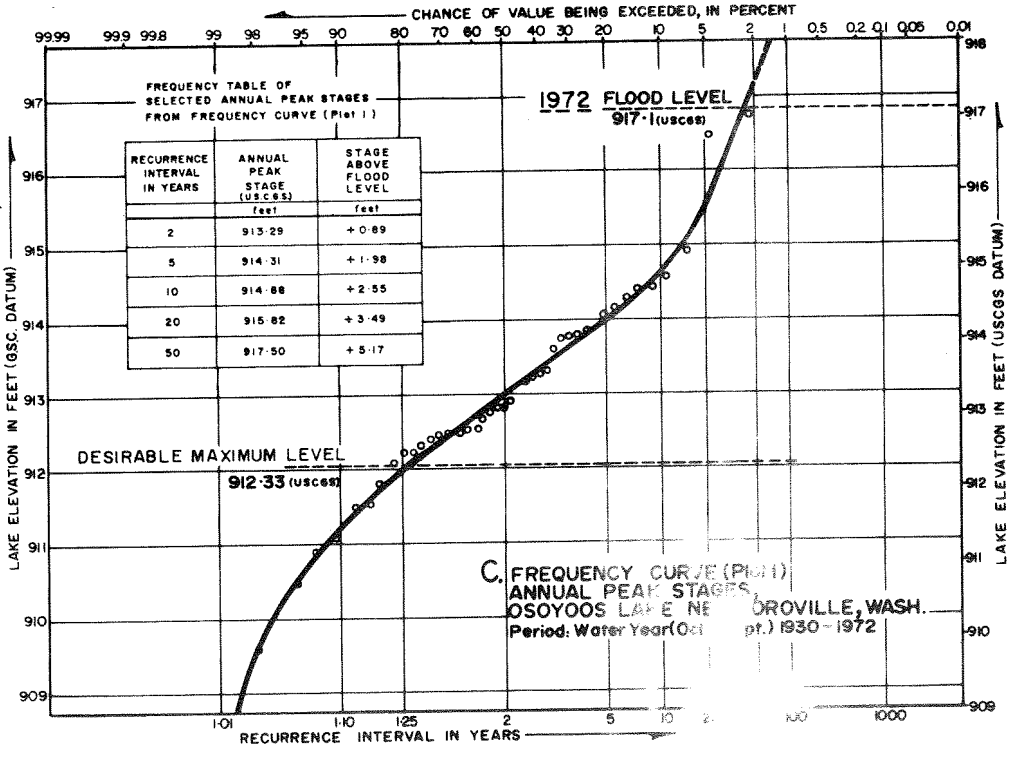
TABLE 2.7

AREA OF PRIVATE PROPERTY FLOODED

INCREMENT		INCREMENTAL		CUMULATIVE	
Feet GSC	Feet	Sq. Ft.	Acres	Sq. Ft.	Acres
912.9	.8	83,926	1.93	83,926	1.93
913.4	1.3	158,721	3.64	242,647	5.57
913.9	1.8	162,149	3.72	404,796	9.29
914.4	2.3	102,918	2.36	507,714	11.66
914.9	2.8	321,230	7.37	828,944	19.03
915.4	3.3	250,801	5.76	1,079,745	24.79
915.9	3.8	336,836	7.73	1,416,581	32.52
916.4	4.3	759,401	17.43	2,164,182	49.08
916.9	4.8	527,694	12.11	2,691,876	61.79
917.4	5.3	281,734	6.47	2,987,810	68.59
917.9	5.8	277,025	6.36	3,263,835	74.93
918.4	6.3	293,670	6.74	3,558,505	81.69
918.9	6.8	344,935	7.92	3,903,440	89.61
919.4	7.3	371,515	8.53	4,274,955	98.14







FREQUENCY and DURATION of FLOODING OSOYOOS LAKE

Note: U.S.C.G.S. Datum - 0.26 Feet = G.S.C. Datum.

Figure 2.1

CHAPTER 3

Present Day Water Use in Selected Tributaries

3.1 TRIBUTARY DISCHARGES [1]

About 75% of the water consumed in the Okanagan Basin is from tributaries to Okanagan Lake (Figure 2.2). Historically, such tributary water has been relatively inexpensive as it provides a gravity water supply to agricultural lands. In order to make full use of these sources, headwater reservoirs have been constructed to regulate the flows during the irrigation season of April to September inclusive.

For the most part, hydrometric and meteorological stations have only been operated in the lower reaches of the tributaries or within the main valley. The irrigation districts and municipalities who own and regulate most of the headwater reservoirs and diversions provide the British Columbia Water Resources Service with monthly reservoir water elevations during the freshet and in a few instances, measure the water diverted. Additional information is also made available each year with respect to the anticipated inflow to Okanagan Lake through regular snow surveys at the higher elevations carried out by the British Columbia Water Resources Service.

The lack of hydrometeorological data has become increasingly significant in the allocation of further water licences by the Water Rights Branch, British Columbia Water Resources Service. Some tributaries are now designated as "fully licenced" pending the attainment of further hydrological records.

It is evident that in order to develop and manage the tributary supplies efficiently for present and future demands, it is necessary to estimate as closely as possible the natural flows occuring in the various reaches of each stream under varying climatic conditions and to compare them with present and future water requirements.

Thus, the objectives of the tributary water quantity study were:

1) The estimation of natural flows under varying climatic conditions (dry year, average inflow year and wet year).

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[1] See also Appendix A - Comparison of runoff with water requirements in selected tributaries to Okanagan Lake for dry, average and wet years.

2) Regulation of the natural flows in accordance with present day (1970) procedures for the three types of years in (1) to meet present and future water requirements (2020).

3) Regulation of the natural flows in accordance with improved methods of operation to meet present and future water requirements.

3.2 METHOD OF ESTIMATING NATURAL FLOWS IN SELECTED TRIBUTARIES

Ideally in order to parallel the computer modelling along the mainstem, it would be necessary to determine the natural flows of tributaries not only at the mouth, but also at specific points upstream for the same 50 year study period.

Time did not permit the study of all of the 35 tributaries within the Okanagan Basin and in an effort to concentrate the analysis in areas where it was most needed, the eight tributaries shown in Table 3.1 and Figure 3.1 were selected for detailed modelling. The selection was based primarily on the fact that they are the most heavily used streams within the Basin.

TABLE 3.1

TRIBUTARIES SELECTED FOR DETAILED MODELLING WITHIN OKANAGAN LAKE BASIN

(See Figure 3.1 for Tributary Locations)

WEST SIDE		EAST SIDE
1. Trout Creek 2. Peachland Creek		5. Vernon Creek 6. Kelowna Creek
3. Powers Creek 4. Equesis Creek		7. Mission Creek 8. Penticton Creek

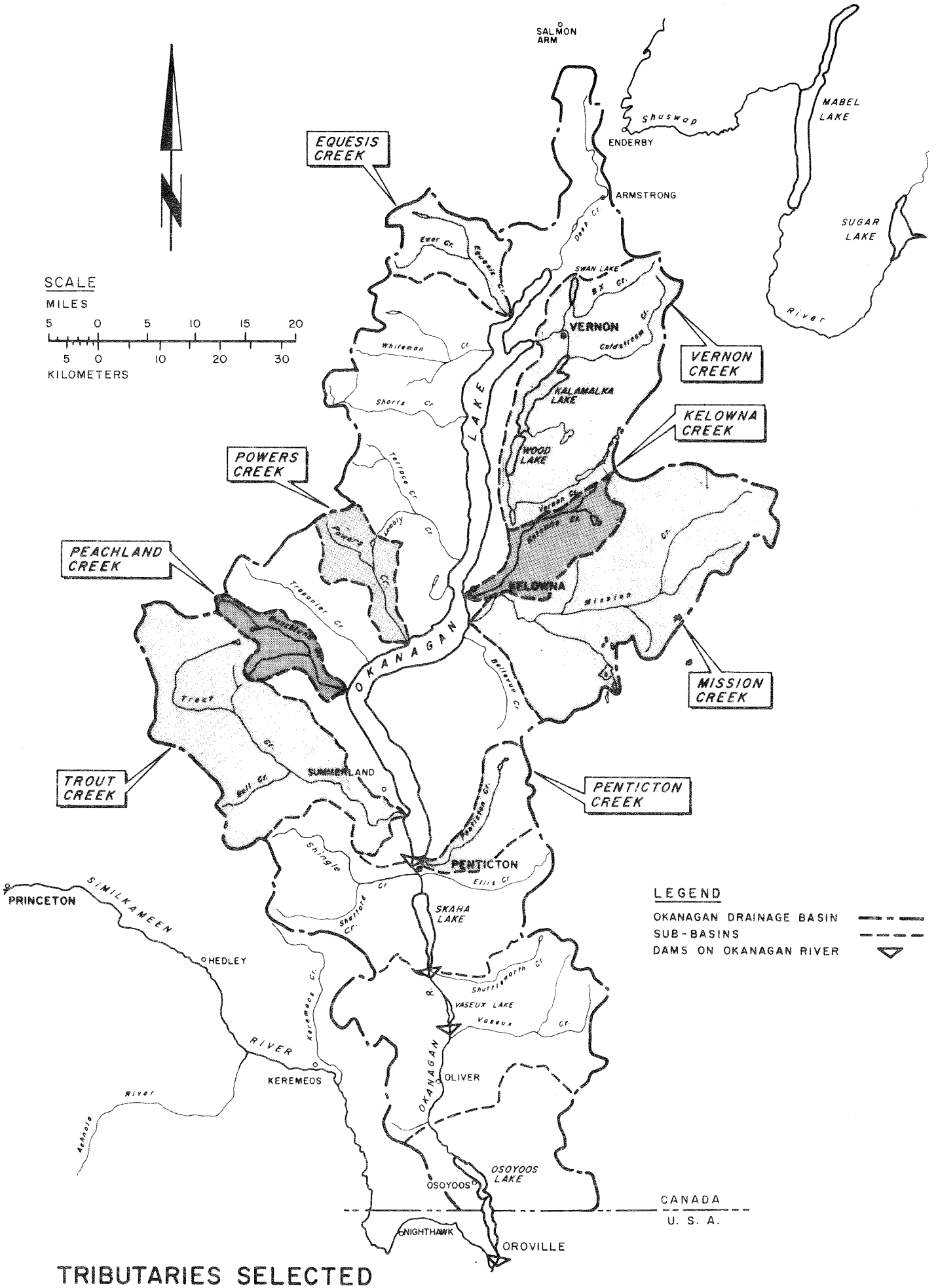
These tributary watersheds contain 95% of all upland tributary storage within Okanagan Lake Basin and supply 60% of the total inflow to Okanagan Lake. About 37,000 acres out of the 45,000 acres of irrigated land within Okanagan Lake Basin are supplied from these sources.

The study was limited to three types of years:

Dry Year - Those falling within the five driest of the 50 year study period and roughly equivalent to the 1970 and 1973 runoff conditions.

Average Year - Those falling within the middle five years of the 50 year study period and roughly equivalent to 1971 runoff conditions.

Wet Year - Those falling within the five wettest years of the 50 year study period and roughly equivalent to 1948 and 1972 runoff conditions.



TRIBUTARIES SELECTED FOR DETAILED MODELLING

Figure 3.1

Using 500 foot elevation bands, the total annual runoff was computed and distributed by months to provide an estimate of the average monthly natural dry year flow at specific points in each of the selected tributaries. The 1970 runoff was used for comparison.

Similar approach calculations were made with respect to average flows in which 1971 was equated to the long-term average for 1921 to 1970. A record high runoff occurred in 1972 and the flows that resulted agree reasonably well with the estimated flows developed for the flood year prior to its occurrence.

Normally, natural runoff with minor releases from storage is adequate for water users during April and May. At the same time the headwater reservoirs are filling and major releases from these reservoirs do not take place until the latter part of June. These releases continue through July and August and in some instances, most of September, at which time releases from headwater reservoirs are discontinued. The remaining carry-over storage water is either retained as a cushion against subsequent droughts, or released in the fall to draw the reservoir down to a predetermined safe level for the winter months. The latter releases could benefit fisheries as discussed in a later section although additional storage water would also be required.

Estimates of natural discharges as well as the regulated discharges (which allowed for consumptive use) at the mouths of the eight selected tributaries are listed in Tables 3.2 and 3.3. The nature of these simulated flows are such that they include a groundwater component. However, the extent of groundwater flow within tributary streams is considered minor and less than 10% of the surface flow. Details of monthly discharges in each of the eight selected tributaries at major use points can be found in Appendix A to this report.

3.3 MATCHING SUPPLY AND DEMAND

In matching supply and demand for a tributary it has been assumed there is no return flow to the tributary although such water is included in the inflow to Okanagan Lake. There will be return flow to some parts of the tributaries, but where and how much is not possible to assess. Hence, these estimates of tributary discharges at selected points on each stream may be considered conservative.

Even with this rather extreme condition only two tributaries, namely Vernon and Kelowna show consumptive use deficiencies (Table 3.3) in a "Dry" year under present (1970) day development.

TABLE 3.2

SELECTED OKANAGAN LAKE BASIN TRIBUTARY DISCHARGES
AT MOUTH OF STREAMS

Tributary	Drainage Area in k.ac.	Discharge in K.A.F.					
		Dry Year		Average Year		Wet Year	
		Natural	Regulated	Natural	Regulated	Natural	Regulated
Trout Cr.	185.1	23.7	11.7	44.4	41.2	122.0	108.6
Peachland Cr.	37.8	8.9	6.9	15.0	12.2	27.5	24.3
Powers Cr.	35.3	8.0	2.9	13.8	8.5	25.8	20.5
Equesis Cr.	49.2	10.2	9.2	17.8	16.8	34.1	33.0
Vernon Cr.	228.6	38.5	11.1	67.1	29.0	137.2	80.9
Kelowna Cr.	55.4	9.9	2.1	17.0	7.3	34.3	23.2
Mission Cr.	214.0	97.0	66.0	143.0	107.1	239.3	201.8
Penticton Cr.	44.9	21.9	11.2	34.8	23.7	58.2	47.1

TABLE 3.3

WATER RESOURCE CAPABILITY IN 8 SELECTED TRIBUTARIES OKANAGAN
LAKE BASIN UNDER PRESENT (1970) DEVELOPMENT

		TROUT CR.	PEACHLAND CR.	POWERS CR.	EQUESIS CR.	VERNON CR.	KELOWNA CR.	MISSION CR.	PENTICTON CR.	TOTALS
Area	Sq. Miles	289	59	56	77	358	86	336	70	1,331
Natural Flow at Mouth Ac. Ft. X 100	Dry Year	237	89	80	102	391	99	969	219	2,186
	Av. Year	544	150	138	178	678	170	1,429	348	3,635
	Wet Year	1,220	275	258	341	1,382	343	2,392	482	6,793
Storage (Ac. Ft.)	1970	10,332	9,656	3,754	2,156	46,719	5,715	17,981	10,240	106,543
Area Under Irrigation (Acres)	1970	4,306	617	1,637	356	14,075	4,848	10,135	1,666	37,640
Population (Persons)	1970	5,960	1,444	3,490	90	24,360	10,420	10,340	18,146	74,250
Water Requirement (Diversion) Ac. Ft.	1970	13,384	3,416	5,293	1,021	33,525	12,888	31,814	11,173	112,514
Consumptive Use Deficiency in Dry Year Ac. Ft.	1970	0	0	0	0	1,540	2,296	0	0	3,836

CHAPTER 4

Tributary Water Management Alternatives

4.1 INTRODUCTION

The planning objectives in water quantity management, as laid out in Chapter 12 of the Main Report are to supply water for all consumptive and non-consumptive uses; to minimize economic and social consequences of floods and droughts, and to minimize conflicts between existing and potential uses of water.

Projections of water requirements for the entire Okanagan Basin to the year 2020 for the three economic growth projections are compared in Table 4.1. Only consumptive water demands for agricultural and domestic use have been projected for tributary streams, while both consumptive and non-consumptive uses (total water requirements) are shown for the mainstem system. It is anticipated that in the future, selected tributary creeks will provide both consumptive and non-consumptive water requirements as described later in this Chapter.

There is a lack of sensitivity between the various 2020 projections with total water requirements of about 345,000 acre-feet for all three projections compared to 312,000 acre-feet under present day development. The main reason for the small variation in future water requirements is the relatively small change in agricultural landuse development anticipated over the next 50 years. Irrigation makes up over 75% of total water consumption in the Basin at present, and this pattern is expected to continue assuming that most agricultural land is protected from sub-division for residential and domestic purposes.

Although total water requirements are not expected to increase significantly over present-day figures, conflicts in water use, especially in tributaries will likely increase in magnitude over the next 50 years.

While the building of headwater reservoirs has created or enhanced recreation and fisheries at some locations the rapid drawdown of storages to supply irrigation requirements adversely affect fishery and recreation potential. Similarly, the lack of adequate minimum flows in the lower reaches of the tributaries in the summer and fall months adversely affects the reproduction of Kokanee and Rainbow trout from Okanagan Lake.

TABLE 4.1

CONSUMPTIVE USE REQUIREMENTS IN THE OKANAGAN LAKE BASIN AND TOTAL WATER REQUIREMENTS FOR OKANAGAN RIVER BASIN IN CANADA

A. PRESENT OPERATING CONDITIONS with 300 cubic feet per second minimum flow in the Okanagan River between April September inclusive, and 100 cfs min. flow between October and March inclusive.

	1970		2020					
			GROWTH PROJECTION 1 Continuation of Present Policies		GROWTH PROJECTION 2 High Economic Growth (Low Agriculture)		GROWTH PROJECTION 3 Low Economic Growth (High Agriculture)	
Population	113,400		391,000		430,000		290,000	
Irrigated Acres	60,070		59,600		56,600		73,700	
	acre-feet	%	acre-feet	%	acre-feet	%	acre-feet	%
1. OKANAGAN LAKE BASIN								
(a) Consumptive Use from tributaries and directly from areas adjacent to Okanagan Lake								
-IRRIGATION	57,000		52,000		48,000		66,000	
-MUNICIPAL & DOMESTIC	8,000		35,000		39,000		26,000	
-INDUSTRIAL	4,000		18,000		20,000		13,000	
TOTAL CONSUMPTIVE USE - OKANAGAN LAKE BASIN	69,000	22.0	105,000	30.5	107,000	30.9	105,000	30.3
2. MAINSTEM OKANAGAN RIVER								
(a) Consumptive Use - Okanagan River	32,000	10.4	44,000	12.8	43,000	12.4	46,000	13.3
(b) Evaporation Losses from Skaha, Vaseux and Osoyoos Lakes and from Okanagan River Channel	49,000		49,000		49,000		49,000	
(c) Minimum In-Channel Needs for intake submergence and flushing	123,000	67.6	107,000	56.7	108,000	56.7	108,000	56.4
(d) In-Channel Fishery Requirements additional to min. flows in (c)	39,000		39,000		39,000		39,000	
TOTAL CONSUMPTIVE USE, LOSSES, MINIMUM FLOW FOR OKANAGAN RIVER REGION	243,000		239,000		239,000		242,000	
TOTAL BASIN CONSUMPTIVE USE AND MAIN OKANAGAN RIVER WATER REQUIREMENTS	312,000	100.0	344,000	100.0	346,000	100.0	347,000	100.0

In contrast to the tributaries (which are regulated primarily for consumptive use and in total supply about 22% of the water requirements of the Basin), the mainstem system consisting of the Okanagan Flood Control Works and the Vaseux Lake (SOLID) Dam provides for multiple water use including conservation, flood control, recreation, fisheries and aesthetics. The heart of this system is the Okanagan Lake Storage Dam at Penticton which controls about 80% of the inflow to the Basin.

In the Okanagan, water flows down the tributary streams into the mainstem and then down Okanagan River to cross the international border at Osoyoos Lake. The evaluations presented in this chapter follow this hydrologic sequence, starting with an examination of future water management options on the tributaries.

4.2 TRIBUTARIES

Water is required in tributary streams to supply consumptive uses (irrigation and domestic users) and sport fisheries in both the headwater storages and in the streams themselves. At present, however, tributaries are principally managed to meet consumptive use requirements, with water supply systems developed originally through private initiative and recently with help from the Federal and Provincial governments under the Agricultural and Rural Development Act (ARDA).

Under tributary flows, the eight most heavily utilized streams were selected for detailed study with the objective of determining the adequacy of the existing tributary supplies to meet present and future water requirements. As these tributaries included over 60% of the present consumptive use requirements in the Okanagan Lake Basin they are considered to be a good representative sample.

In the initial studies of tributary stream management, a computer model was developed based on the present method of operating the headwater storage releases to meet consumptive use demands only at the various diversion points in each selected tributary. This model was used to match supply and demand under dry, average and wet years for 1970 and 2020 levels of development. No return flows from irrigation were credited to the stream although such water was assumed to return to Okanagan Lake. Details of the tributaries selected and the capabilities of these streams to meet present day requirements have already been discussed under sections 3.2 and 3.3.

Each of the eight selected tributary basins is too small to be considered on independent economic units, so reliable projections of future growth poten-

tial were not possible. Consequently, a range of growth patterns in population and agricultural landuse based on landuse capability were developed for each basin for the year 2020. This range included three projections of water demands: 1) a high projection based on maximum agricultural landuse development plus maximum likely population growth on non-agricultural lands; 2) a low projection based on minimum population growth rates with a reduction of agricultural lands due to subdivision and 3) an average projection representing the arithmetic mean of the two extreme projections.

The capability of the eight tributary basins to supply the water demands of these three projections was assessed on the computer model. This model assumed that the present works would remain in operation to 2020 and that headwater storages would be increased in accordance with present planning as indicated by the various water users. It was also assumed that there would be no change in the location or number of diversion points over those used in 1970. A summary of water use projections for the eight tributaries are included in Table 4.2, while details for each of the eight selected tributaries can be found in Appendix A of this report.

Tributary flows developed by the model can be considered as preliminary estimates of the probable monthly discharges under varying climatic conditions. Such monthly flows do not define the sharp peaks that may occur within a few days particularly on the small tributaries. With no allowance for return flow and the assumption that agriculture consumptive use is in accordance with the recommendations of the British Columbia Department of Agriculture the residual flows are probably underestimated. The computer model is assumed to have an accuracy of $\pm$ 20% of actual flows.

In addition to the consumptive water requirements discussed above, minimum flow requirements are required to satisfy sport fish spawning and incubation in the lower portions of the tributaries. These minimum flow requirements are outlined in Table 4.3.

4.3 TRIBUTARY ALTERNATIVES

There are four management options for tributary streams in the Okanagan to meet projected consumptive and non-consumptive uses.

I) Continuation of the present method of operation with existing storage development.

II) Continuation of present operation with increased storage development.

III) Modification of present operation with present storage development.

IV) Modification of present operation with increased storage development in the headwaters or by pumping water from Okanagan Lake.

TABLE 4.2

BASIC DATA SHEET FOR EIGHT SELECTED TRIBUTARIES - OKANAGAN LAKE BASIN

		TROUT CREEK	PEACHLAND CREEK	POWERS CREEK	EQUESIS CREEK	VERNON CREEK	KELOWNA CREEK	MISSION CREEK	PENTICTON CREEK	TOTALS
Area	Sq. Miles	289	59	56	77	358	86	336	70	1,331
Natural Flow at Mouth Acre-feet/Year	Dry Year	23,700	8,900	8,000	10,200	39,100	9,900	96,900	21,900	218,600
	Av. Year	54,400	15,000	13,800	17,800	67.800	17,000	142,900	34,800	363,500
	Wet Year	122,000	27,500	25,800	34,100	138,200	34,300	239,200	58,200	679,300
Storage (Acre-Feet)	1970	10,332	9,656	3,754	2,156	46,719	5,715	17,981	10,240	106,543
	2020	13,066	9,540	4,820	2,200	62,578	7,277	28,761	9,850	138,048
Area Under Irrigation (Acres)	1970	4,306	617	1,637	356	14,075	4,848	10,135	1,666	37,640
	2020 High	6,274	1,591	1,818	1,282	23,157	8,176	12,371	1,433	56,102
	2020 Med	5,354	1,236	1,719	1,189	20,021	5,905	9,678	1,464	46,566
	2020 Low	3,918	514	1,432	355	13,410	4,446	8,501	1,426	34,002
Population (Persons)	1970	5,960	1,444	3,490	90	24,360	10,420	10,340	18,146	74,250
	2020 High	21,360	4,670	6,510	410	100,050	15,335	48,940	51,850	249,125
	2020 Med	17,380	3,105	5,450	345	83,020	11,802	41,090	48,055	210,247
	2020 Low	13,400	1,540	4,390	280	65,990	8,270	33,240	44,260	171,370
Water Requirement (Diversion) Acre-Feet/Year	1970	13,384	3,416	5,293	1,021	33,525	12,888	31,814	11,173	112,514
	2020 High	25,169	7,527	7,372	3,613	72,887	26,432	51,315	19,036	213,351
	2020 Med	21,221	6,143	6,757	3,340	62,994	19,086	41,142	18,083	178,766
	2020 Low	15,718	3,536	5,576	1,027	46,115	13,704	35,377	16,924	137,977
Consumptive Use Deficiencies* In Dry Year Acre-Feet/Year	1970	0	0	0	0	1,540	2,296	0	0	3,836
	2020 High	2,059	0	111	0	26,301	12,946	8,103	1,517	51,037
	2020 Med	715	0	0	0	18,598	5,781	0	766	25,860
	2020 Low	0	0	0	0	5,649	1,093	0	0	6,742

* Annual consumptive use deficiencies determined from summation of deficiencies at various use points. The natural flow at the mouth cannot be compared directly to total water requirements because the natural flow recorded at the mouth is not necessarily available at specific use points on the tributary stream.

In addition to these structural alternatives, two non-structural measures for improving the efficiency of water use in tributary systems were examined, including the efficiency of irrigation systems, and metering and pricing.

TABLE 4.3

ESTIMATED MINIMUM WATER REQUIREMENTS FOR FISHERIES IN ACRE-FEET AT MOUTHS OF SELECTED TRIBUTARIES IN OKANAGAN LAKE BASIN

	TROUT	PEACH-LAND	POWERS	EQUESIS	BX UPPER	VERNON UPPER	VERNON LOWER	COLD-STREAM	KELOWNA	MISSION
Jan.	600	150	240	360	150	420	480	360	240	1,800
Feb.	600	150	240	360	150	420	480	360	240	1,800
Mar.	600	150	240	360	150	420	480	360	240	1,800
Apr.	600	150	240	360	150	420	480	360	240	1,800
May	900+	300+	300+	600+	240+	600+	600+	480+	300+	2,700+
June	600	150	240	360	150	420	480	360	240	1,800
July	600	150	240	360	150	420	480	360	240	1,800
Aug.	600	150	240	360	150	420	480	360	240	1,800
Sept.	600	270	300	360	150	420	480	360	240	2,400
Oct.	900	270	300	480	240	480	600	480	300	2,400
Nov.	600	150	240	360	150	420	480	360	240	1,800
Dec.	600	150	240	360	150	420	480	360	240	1,800
TOTAL	7,800	2,190	3,060	4,680	1,980	5,280	6,000	4,560	3,000	23,700

4.3.1. Existing Storage and Present Operating Practices

If present water management and storage development remained unchanged, only Peachland and Equesis Creeks could meet future consumptive uses under the high growth projection. This would also be at the expense of providing minimum flows for fisheries and thus would increase conflicts between consumptive and non-consumptive water uses.

4.3.2. Increased Headwater Storage and Present Operating Practices

Increases in headwater storages appear hydrologically feasible on the six major creeks other than Peachland or Equesis and such increases would allow all projected future consumptive water demands to be met in all except Kelowna and Vernon Creeks (Table 4.2) Average capital costs of reservoir development are estimated at $250 per acre-foot with annual costs of $26 compared with average annual benefits of $63 per acre-foot. These benefits include both direct and indirect returns from the expansion of agricultural production within the Okanagan economy. They do not, however, include environmental and social benefits because such have not been estimated as they have for other types of water use. Also missing in this comparison are the cost of conveyance and distribution of irrigation water.

Under maximum development of agricultural lands and population, consumptive use deficiencies increase significantly in Vernon and Kelowna Creeks and small deficiencies appear in Mission, Trout and Penticton Creeks. In the cases of Vernon and Kelowna Creeks, headwater storage increases would have to be supplemented by pumping from Okanagan Lake. This is already in effect on Vernon Creek, where water is pumped from Okanagan Lake to supply industrial use at Winfield. The return flow is discharged to Vernon Creek immediately upstream of Ellison Lake. This additional water if supplied continuously at a rate of 10 cfs would remove all present and future water deficits in the lower main portion of Vernon Creek (Ellison Lake to mouth) and would in addition meet fishery flow requirements at the mouth. The recommended continuous rate of 10 cfs provides a volume of some 600 acre-feet per month. However, if present operating conditions are maintained based on a five-day week, the above volume is reduced by one third and is not sufficient.

In Kelowna Creek, the Rutland area now has been incorporated in Kelowna City. It appears that if the present and future population of this region could be served by an expanded Kelowna water system which pumps from Okanagan Lake, agricultural lands could be supplied from headwater storages.

Detailed costs of a pumping scheme for Kelowna Creek are not available, but would be two to three times the costs of developing headwater storages. Such a pumping scheme would not be economical for agricultural development, but might be justified for domestic use, with headwater storage reserved for irrigation.

Trepanier Creek (not listed in tables) was subsequently considered as a desirable fishery stream. However, because of the lack of any suitable storage site the alternative of pumping from Okanagan Lake to the lower reaches of the stream was investigated. This alternative is discussed further under Fishery Evaluations, Chapter 17 of the Main Report.

It should be emphasized that the models have been limited to operation over single drought years and it has not been possible because of lack of hydrometric data to run through the standard study period 1921 to 1970 (which contained the 1929 to 1931 drought) as was done for the mainstem computer model. Thus, while the tributary models indicate that there would be carry over storage in the larger reservoirs at the end of one drought year to augment the flows should a second successive drought year occur, a continuation of such conditions into a third year as happened in the 1929-1931 drought

period could prove very critical. These limitations in headwater storage are in sharp contrast to Okanagan Lake which as a source of water to the mainstem can be drawn down below its normal low water elevation by several feet under a severe three year drought.

The above alternatives assume that only consumptive demands will be met. Conflicts between water withdrawals for irrigation and required in-channel minimum flows would continue and possibly increase. Some of the alternatives for resolving such conflicts are examined in the following pages.

4.3.3 Modified Operation of Headwater Storages

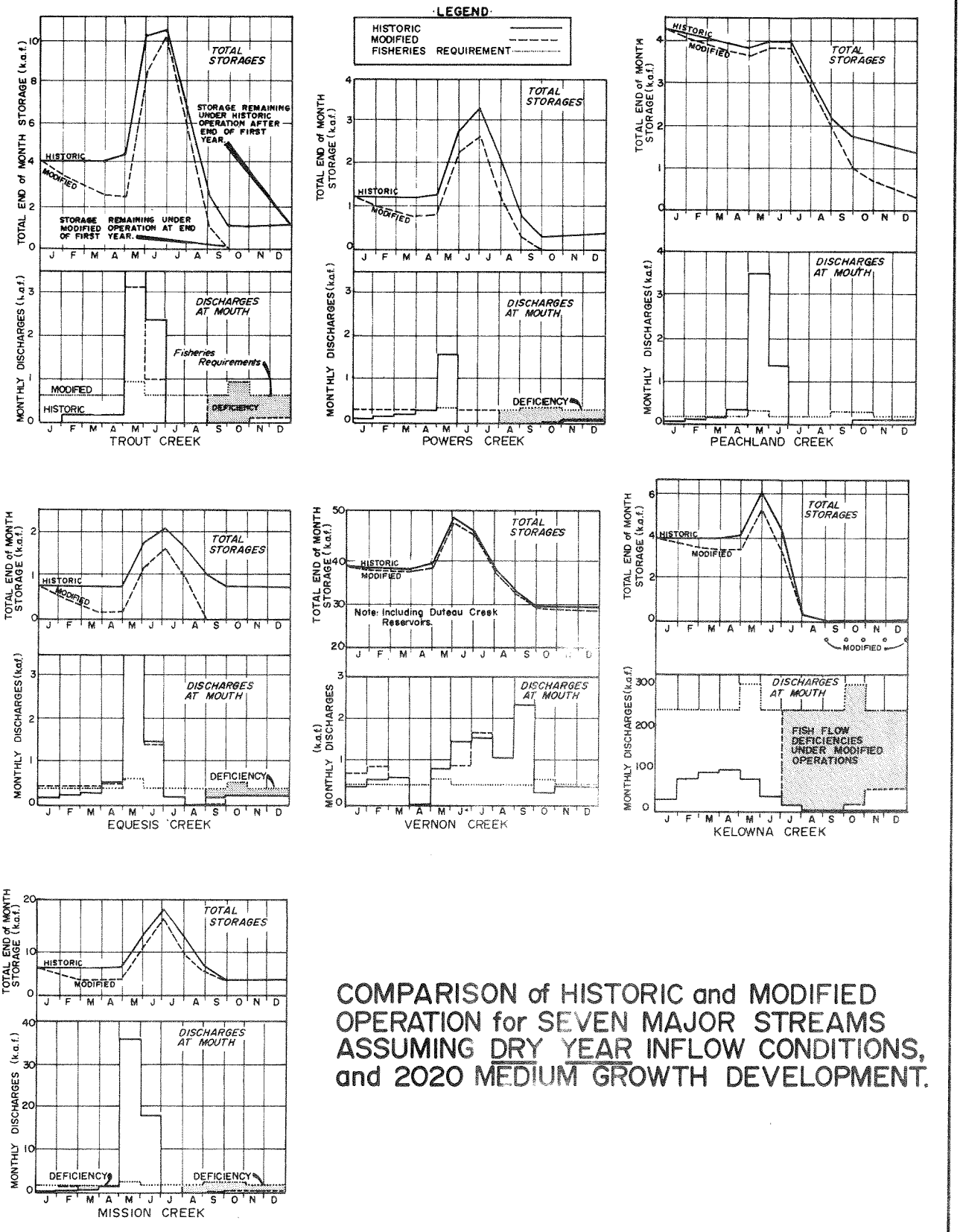
This alternative involves modifying the existing operation of headwater storage reservoirs to meet both consumptive and non-consumptive (fishery) flows at the creek mouth. At present, water is retained in the headwater reservoirs at the end of the irrigation season to provide carry-over storage in the event of a succeeding dry year. Under modified operations, some or all of this storage would be released during the fall and winter months to support Kokanee and in the summer months, Rainbow trout.

A comparison of the historic and modified methods of operation are shown in the graphs (Figures 4.1 and 4.2) covering flows and deficits in Trout, Peachland, Powers, Equesis, Vernon, Kelowna and Mission Creeks. Penticton Creek has been omitted as it has only a small fishery potential.

The modified flows as shown in the graphs under 2020 medium development for dry and average inflow years and existing storage conditions, would reduce the fishery flow deficiencies at the mouths of the tributaries appreciably and in the cases of Peachland and Vernon Creeks practically eliminate such conditions. However, in order to produce these improved fishery flows, a portion of the carry over storage which is normally retained in the event of an ensuing drought year would have to be used up. The effect of increases in headwater fluctuations on fisheries and other types of water based recreation in these reservoirs is not known.

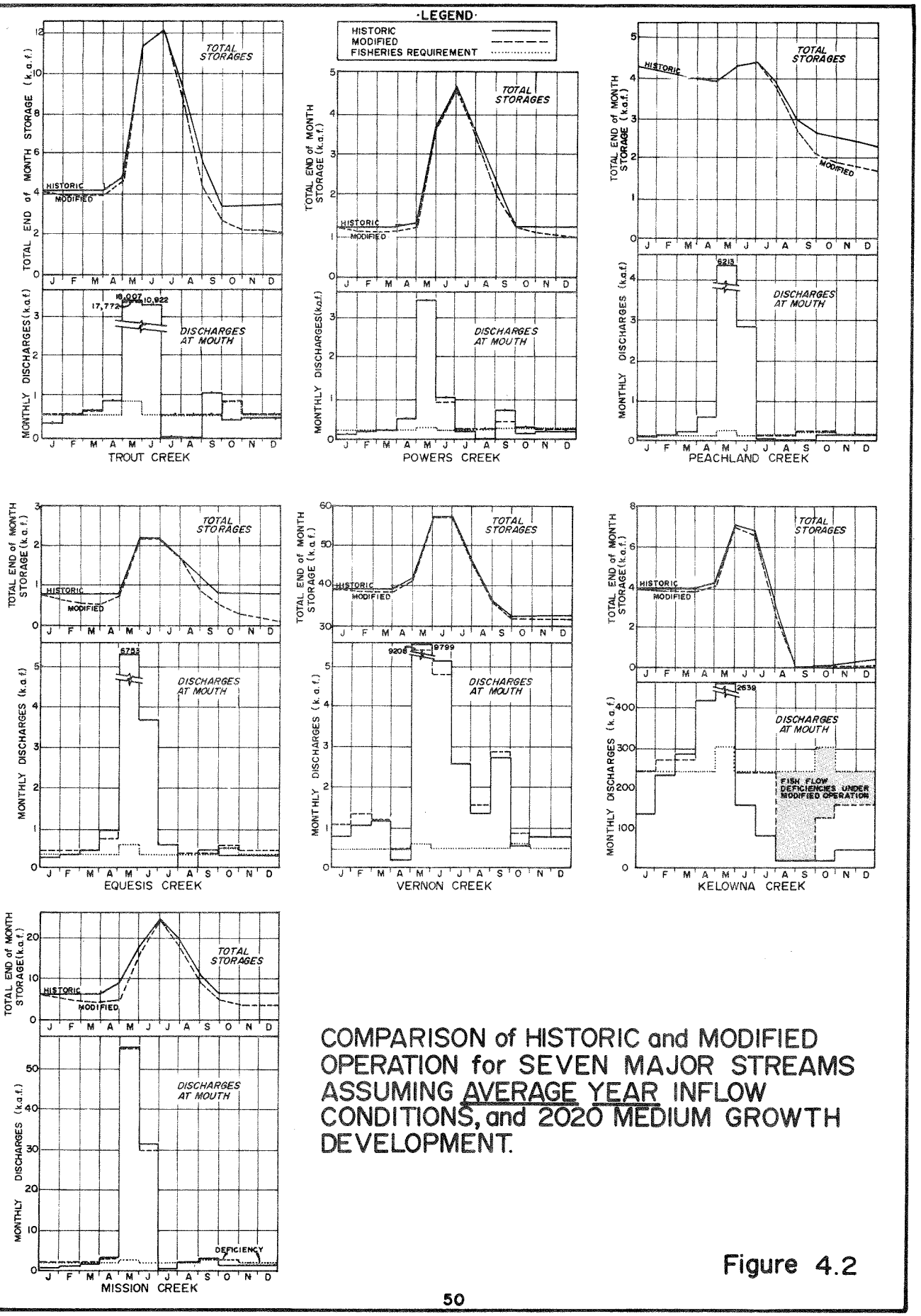
4.3.4 Modified Operation and Increased Storage

The need for retention of reserve storage capacity in the tributaries led to an examination of the possibilities of increasing 2020 storages over those presently planned with the objective of meeting the fishery flows while still retaining proposed carry over storage. For these additional storages to be effective they must be physically and hydrologically feasible so that any enlarged or new storage sites developed can be filled each year. Preliminary investigations indicated that there were no additional sites that could be developed without exceeding inflows during dry years. It, therefore, appears more practical to allocate some of the planned development



COMPARISON of HISTORIC and MODIFIED OPERATION for SEVEN MAJOR STREAMS ASSUMING DRY YEAR INFLOW CONDITIONS, and 2020 MEDIUM GROWTH DEVELOPMENT.

Figure 4.1



COMPARISON of HISTORIC and MODIFIED OPERATION for SEVEN MAJOR STREAMS ASSUMING AVERAGE YEAR INFLOW CONDITIONS, and 2020 MEDIUM GROWTH DEVELOPMENT.

Figure 4.2

of headwater storages for fishery water requirements in certain key tributaries with high fishery potential and allocate the remaining supplies to consumptive uses.

4.3.5 Improved Efficiency of Irrigation Systems

In the last ten years, primarily through the Agricultural and Rural Development Act, most of the irrigations systems have been modernized through the reconstruction of headwater reservoirs, diversion dams and the replacement of earth ditches with pipe lines and lateral feeders to sprinklers through pressure regulating valves. It has been estimated that gross water requirements have been reduced by as much as 30% through reductions in conveyance losses and more uniform application. With equal flow from each sprinkler through the use of pressure regulating valves, it is easier to control water application.

Flow meters are now located at pumped diversions and provide data on total water withdrawals. Extension of this type of metering for gravity supplies will provide irrigation districts and municipalities with basic data needed for future planning of tributary water supplies.

While better monitoring of water use for agriculture and domestic and industrial purposes is needed, it is possible that in the future these uses may be reduced through improved methods of irrigation and recycling.

One promising new method is trickle irrigation which applies water through very small diameter tubing to the roots of individual plants at a low pressure range of 10 to 30 pounds per square inch (compared to a range of 60 to 125 pounds per square inch for existing systems). By providing water directly to the root zone, evaporation of water from the ground surface, which occurs under sprinkling systems, is eliminated. Depending on the soil type, up to 30% of diverted water requirements can be conserved by trickle irrigation assuming no return flow.

The main requirement in trickle irrigation is the availability of a source of clean water free from solid particles to prevent clogging of the small diameter drip tubes. For most systems some form of filtration or solid settlement must be used by the farmer or by the central distribution agency which can entail considerable expense. The determination of the optimum amount of water needed is still in the experimental stage as some return flow may be desirable for soil leaching

4.3.6 Metering and Pricing

In addition to the more efficient use of water by improved types of ir-

rigation, reductions may be achieved through metering and pricing. It is probable that metering and pricing would be most effective in local areas receiving water from the smaller tributaries where shortages are presently occurring. However, it is anticipated that such savings would not be significant with respect to conserving water for in channel flows for fisheries or other non-consumptive uses. Moreover the water quantity modelling developed in this report is not sensitive enough to attempt such a detailed analysis.

Metering of all future water diversions is encouraging, as it allows for better management, especially during drought conditions. As the urban population grows in the Okanagan, pricing mechanisms can be more effectively employed to reduce consumptive uses in tributary watersheds and consequently reduce conflicts with non-consumptive uses for fisheries and recreation.

4.4 DISCUSSION OF TRIBUTARY ALTERNATIVES

The following discussion is limited to methods of operating upstream storage to meet consumptive and non-consumptive requirements assuming present day water use efficiencies. Undoubtedly, these will improve in the future as will the accuracy of the simulated tributary discharges which for the present can only be considered as first estimates. For detailed descriptions of the physical characteristics of each of the 8 selected tributaries as well as present day water use the reader is referred Technical Supplement 1.

Studies on fish spawning potential around Okanagan Lake indicate that three creeks - Mission, Trepanier and Equesis contain the best spawning areas around Okanagan Lake (Chapter 17 Main Report). These creeks should be managed for the multiple use of agriculture and fisheries. The other creeks have limited fishery potential and with the exception of Vernon and Peachland Creeks, which support small fish runs, can be managed primarily for consumptive uses only. An outline of water management in six of the eight selected tributaries over the next 50 years follows (see Table 4.4):

4.4.1 Mission Creek

1) Attempts should be made to modify headwater storage discharges to improve fishery flows in the fall and winter. This measure could conserve up to 4,000 acre-feet for fishery purposes.
2) An additional 3,600 acre-feet of storage should be licenced and developed for fisheries, or failing this, existing firm storage should be purchased. The cost of this storage has been estimated at $900,000.
3) Studies indicate there is some 4,000 acre-feet of potential firm storage in the upper reaches of Mission Creek although such development may involve the construction of several dams.

TABLE 4.4

POSSIBLE STRUCTURAL DEVELOPMENTS IN SELECTED OKANAGAN LAKE TRIBUTARIES
TO MEET AGRICULTURAL AND FISHERY WATER REQUIREMENTS

TRIBUTARY	RESERVOIR	1973 STORAGE ACRE-FEET	2020 STORAGE (AGRICULTURE) ACRE-FEET	2020 STORAGE (FISHERIES) ACRE-FEET	TOTAL ACREAGE SERVED		AGRICULTURE			SPORT FISHERIES		
					1970	2020	COSTS OF STORAGE (DOLLARS)	ANNUAL*1 COSTS (DOLLARS)	ANNUAL BENEFITS (DOLLARS)	COSTS OF STORAGE (DOLLARS)	ANNUAL COSTS (DOLLARS)	ANNUAL BENEFITS (DOLLARS)
TROUT	Crescent	755	1,000	-	4,306	5,000				250,000	25,000	32,600*2
	Whitehead	920	1,020									
	Thirsk	2,628	4,000	1,000								
	Isintok	570	1,000				193,700	20,000	43,000	1,000,000	110,000	221,000*2
	Subtotal	4,873	7,020	1,000	4,306	5,000	193,700	20,000	43,000	1,250,000	135,000	253,600
MISSION	Mission	600	650	Storage Locations not Identified	10,135	12,371						
	McCulloch	12,231	14,000									
	Others	-	4,000				1,450,000	153,000	97,000	175,000	18,000	26,600*2
	Subtotal	12,831	18,650	3,600	10,135	12,371	1,450,000	153,000	97,000	175,000	18,000	26,600
EQUESIS	Pinaus	2,156	2,156	150	356	356						
	Other	-		550			-	-	-	-	-	-
	Subtotal	2,156	2,156	700	356	356						
VERNON	Crooked	2,460	3,374	-	14,075	17,300						
	Swan	2,460	3,512	-								
	Other	-	3,834				1,450,000	153,000	280,000	-	-	-
	Subtotal	4,920	10,720		14,075	17,300	1,450,000	153,000	280,000			
KELOWNA	Moore	-	1,000	-	4,848	8,176						
	Other	-	560	-			390,000	40,000	93,000			
	Subtotal	-	1,560		4,848	8,176	390,000	40,000	93,000			
Powers	Lambly	1,801	2,560	-	1,637	1,990						
	Islaht	343	650	-			266,500	27,000	66,000	-	-	-
	Subtotal	2,144	3,210		1,637	1,990	266,500	27,000	66,000			
	TOTALS	26,924	43,316	5,300	35,357	45,193	3,750,200	393,000	579,000	1,425,000	153,000	280,200

*1 Benefits and costs not discounted

*2 Includes improvements to spawning habitat.

4) The management of Mission Creek as a multi-pupose stream to meet both consumptive and non-consumptive uses may require limitations with respect to future agricultural development in this tributary. More detailed water quantity modelling now underway may modify these conclusions.

4.4.2 Equesis Creek

There is limited opportunity for increased headwater storage on this creek, and in view of significant fishery potential, all future storage development on Pinaus Lake (estimated at 550 acre-feet) should be allocated to supply fishery flows. Further development of agriculture on this basin should be discouraged, unless direct pumping from Okanagan Lake proves economical.

4.4.3 Vernon Creek

The present pumping from Okanagan Lake to Vernon Creek near Winfield should be continuous. At present, it is only operated over a five-day week with shutdowns on Saturday and Sunday and other holidays. Even with the addition of Okanagan Lake water to Vernon Creek (which eliminates water deficits for fisheries and consumptive use downstream of Ellison Lake along the main stem) there are water shortages in the other areas of the sub-basin. Thus, it would appear that while there is need of additional headwater storages to reduce deficits, future agricultural development should be limited. More detailed water quantity modelling now underway may modify these conclusions.

4.4.4 Trout Creek

Additional storage of 2,700 acre-feet appears to be available in this creek and can be reserved for municipal and agricultural expansion. If artificial spawning facilities can be constructed in the lower part of the creek, 1,000 acre-feet of this storage would be required to support the fishery.

4.4.5 Powers Creek

Additional storage of some 1,100 acre-feet could be developed in headwaters for irrigation and domestic uses.

4.4.6 Peachland Creek

There is little or no additional storage potential so agricultural development should not expand above current development levels. As this creek supports a significant run of Kokanee to Okanagan Lake, withdrawals and habitat should be carefully controlled to protect this run.

4.4.7 Kelowna Creek

Urban development in lower parts of the creek should be serviced within

the municipal water supply system of Kelowna, if potential agricultural development in the tributary is to be realized.

2) Additional storage of 1,500 acre-feet would be available to service potential expansion of agricultural lands.

4.4.8 Penticton Creek

Penticton Creek appears to have reached its ultimate development with respect to water regulation. Limited irrigation is provided from this source and by 2020 the predominant use may be for municipal purposes.

CHAPTER 5

Mainstem Water Management Alternatives

5.1 INTRODUCTION

The development of mainstem alternatives has been based on meeting present and future water requirements (Table 5.1) while at the same time maintaining satisfactory lake elevations and river elevations and discharges.

With limited water available in the system particularly when two or three drought years occur consecutively as happened in 1929-31, it is important that water be conserved through efficient use in order that reasonably adequate water elevations may be realized, particularly on Okanagan Lake. In contrast to this are the flood years when the lakes and rivers must be controlled within their normal high water elevations.

5.2 SELECTION OF ALTERNATIVES

These problems led to an examination of three different approaches to managing the mainstem system:

1) Continuation of the present operational procedures.
2) Examination of a number of water conservation and flood control measures within the Okanagan Basin.
3) Importation of water into the Okanagan during drought years.

As is the practice, all alternatives are compared with the existing operational procedures (Alternative 1). When possible, each alternative is broken down into separate components, but in some cases the alternatives are not mutually exclusive and in fact structural and non-structural changes in one alternative may be useful in meeting the objective of others.

A number of sub-alternatives have been identified within each of the three management approaches described above. A summary of these sets of sub-alternatives is contained in Table 5.1 together with associated capital and annual costs based on 1970 prices and financing over 25 years at 7%. Detailed costs are shown in Table 5.2.

These costs can only be considered approximate and would have to be revised upwards to represent present day prices.

5.2.1 Alternative 1 - Continuation of Present Operation

Sub-Alternative 1 (a) - Fishery Flows Met Incidentally

This alternative simulates the existing operation of the Okanagan main-

TABLE 5.1

WATER REQUIREMENTS-MAINSTEM OKANAGAN RIVER FOR 1970 DEVELOPMENT AND 2020 GROWTH PROJECTIONS FOR PRESENT AND IMPROVED OPERATING CONDITIONS

	1970		2020 GROWTH PROJECTION 1 Continuation of Present Policies		2020 GROWTH PROJECTION 2 High Growth		2020 GROWTH PROJECTION 3 Low Growth	
A. PRESENT OPERATING CONDITIONS - with 300 cubic feet per second minimum flow in the Okanagan River between April & September inclusive, and 100 c.f.s. minimum flow between October & March inclusive.	Population	11,000		51,000		55,000		37,000
	Irrigated Acres	14,000		16,000		15,000		18,000
	Ac-Ft	%	Ac-Ft	%	Ac-Ft	%	Ac-Ft	%
MAINSTEM OKANAGAN RIVER								
(a) Consumptive Use - Okanagan River	32,000	13.2	44,000	18.4	43,000	18.0	46,000	19.0
(b) Evaporation Losses from Skaha, Vaseux & Osoyoos Lakes and from the Okanagan River channel	49,000)		49,000)		49,000)		49,000)	
(c) Minimum In-Channel Needs for intake submergence & flushing	123,000)	86.8	107,000)	81.6	108,000)	82.0	108,000)	81.0
(d) In-Channel Fishery Requirements additional to min. flows in (c)	39,000)		39,000)		39,000)		39,000)	
TOTAL CONS. USE, LOSSES, MIN. FLOW FOR OKANAGAN RIVER REGION	243,000	100.0	239,000	100.0	239,000	100.0	242,000	100.0
B. IMPROVED OPERATING CONDITIONS - with 100 cubic feet per second minimum flow the year round in the Okanagan River channel.								
MAINSTEM OKANAGAN RIVER								
(a) Consumptive Use - Okanagan River	32,000	15.8	44,000	22.1	43,000	21.6	46,000	22.8
(b) Evaporation Losses from Skaha, Vaseux & Osoyoos Lakes and from the Okanagan River channel	49,000)		49,000)		49,000)		49,000)	
(c) Minimum In-Channel Needs for intake submergence & flushing	50,000)	84.2	34,000)	77.9	35,000)	78.4	35,000)	77.2
(d) In-Channel Fishery Requirements additional to min. flows in (c)	71,000)		72,000)		72,000)		72,000)	
TOTAL CONS. USE, LOSSES, MIN. FLOW FOR OKANAGAN RIVER REGION	202,000	100.0	199,000	100.0	199,000	100.0	202,000	100.0

TABLE 5.2

MAINSTEM SUB-ALTERNATIVES

(1) ALTERNATIVE	(2) OKANAGAN FLOOD CONTROL WORKS[1] AMORTIZED 7%-50 YRS. ON $8,800,000	(3) FLOOD CONTROL WORKS OPER-ATIONAL	(4) OKANAGAN LAKE INTAKES	(5) OKANAGAN R. INTAKES & SPAWNING CHANNEL	(6) KELOWNA BRIDGE AND OTHER FLOOD CONTROL WORKS	(7) DIVERSION COSTS	(8) TOTAL COSTS	(9) INCREMENTAL CAPITAL COST (1970 $)	(10) INCREMENTAL COST LESS ALTERNATIVE COST (1970 $)	(11) FLOOD BENEFITS	(12) RECREATION BENEFITS	(13) TOTAL BENEFITS	(14) INCREMENTAL BENEFITS
1(a) Present Operation-Fishery Flows met Incidentally. Water Reqts.1970-273 KAF 2020-306-317 KAF	$755,000	$102,000	$10,000	0	$ 10,000	-	$ 877,000	0	0	-$4,860	-$15,000	-$19,860	0
(b) Present Operation-Fishery Flows met all times Water Reqts.1970-312 KAF 2020-345-356 KAF	$755,000	$102,000	$10,000	0	$ 10,000	-	$ 877,000	0	0	-$4,860	-$37,500	-$42,360	-$22,500
2(a) Water Conservation-Fishery Flows met Incidentally Water Reqts.1970-200 KAF 2020-254-261 KAF	$755,000	$70,000?	$10,000[2]	$23,000	$ 10,000[2]	-	$ 868,000	$ 375,000	+ $9,000	-$4,860	0	-$ 4,860	+$15,000
(b) Water Conservation-Fishery Flows met all times Water Reqts.1970-271 KAF 2020-325-332 KAF	$755,000	$70,000?	$10,000[2]	$23,000	$ 10,000	-	$ 868,000	$ 375,000	+ $9,000	-$4,860	-$ 7,500	-$12,360	+$ 7,500
(c) Water Conservation-Spawning Channel-OK River Fishery Flows met all times Water Reqts.1970-256 KAF 2020-307-314 KAF	$755,000	$70,000?	$10,000[2]	$23,000 +$54,000	$ 10,000	-	$ 924,000	$ 913,000	-$54,000	-$4,860	-$ 7,500	-$12,360	+$ 7,500
(d) Flood Control-Measures Structural Alterations to OK.River, Regulation of Ok. Lake. Fishery Flows met incidentally Water Reqts. 1970-273 KAF (Null 2020-306-317 KAF operation)	$755,000	$70,000?	$10,000	0	$ 13,000	-	$ 848,000	$ 984,000	-$2,9000	-$2,580	-$15,000	-$17,580	+$ 2,280
3(a) Maintenance of Okanagan L. Levels, Importation of Water Fishery Flow met all times Water Reqts.1970-312 KAF 2020-345-356 KAF	$755,000	$102,000	0	0	$ 10,000[2]	$1,176,000	$2,043,000	$10,725,000	-$1,166,000	-$2,440	0	-$ 2,440	+$ 2,420 +$15,000
(b) Maintenance of Okanagan L. Levels, Importation of Water Improved Intakes Flood Control Measures Fishery Flows Met all times Water reqts.1970-312 KAF 2020-345-356 KAF	$755,000	$70,000?	0	$23,000	0	$1,176,000	$2,024,000+	$12,084,000	-$1,147,000	-$2,440	0	-$ 2,440	+$ 2,420 +$15,000

NOTES: (1) Cost of existing Okanagan Flood Control Works, exclusive of Zosel Dam was $8,800,000 (1970 dollar value)

(2) While Okanagan Lake intakes and Kelowna Bridge would not require adjustments under 1970 development such will be needed before 2020. Hence these costs are included here.

(3) For continuation of this Table see Table 14.10.

(4) For detailed estimates see Figure 14.6.

stem system which is operated primarily for water conservation in drought years when freshet inflows are less than 244,000 acre-feet (present day water requirements) and for flood control when freshet inflows are greater than 550,000 acre-feet. For the near normal inflow year which fall between these two extremes, regulation tends to follow a more uniform procedure based primarily on historic records of lake levels and discharges for average inflow years. In drought year (net inflows less than 244,000 acre-feet), minimum flows for the Sockeye salmon runin Okanagan River are reduced to conserve water in Okanagan Lake. These conditions have been simulated under computer run No. 33 as shown in Appendix C to this report.

The extremes between droughts and floods are illustrated in Figure 5.1 for the period 1925 to 1935 under the present operation, assuming both existing and future development.

Under such conditions Okanagan Lake would be drawn down to at least 1116.8 feet in severe droughts, necessitating adjustments to the Kelowna Floating Bridge and to intakes around Okanagan Lake totalling $132,000 and $100,000 respectively in capital costs (Table 5.3). In addition, some $102,000 are required annually to operate the Okanagan Flood Control Works. There are also $15,000 of recreation benefits foregone annually due to drawdowns on Okanagan Lake and $4,860 of flood damage (property, ballasting Kelowna bridge, revenue lost at marinas and campgrounds). Okanagan Lake drawdowns under extreme drought conditions could result in important environmental and social costs, particularly in relation with shoreline recreation, boat launching and general aesthetics.

Sub- Alternative 1 (b) - Modification of Present Operation Fishery Flows Met All Times

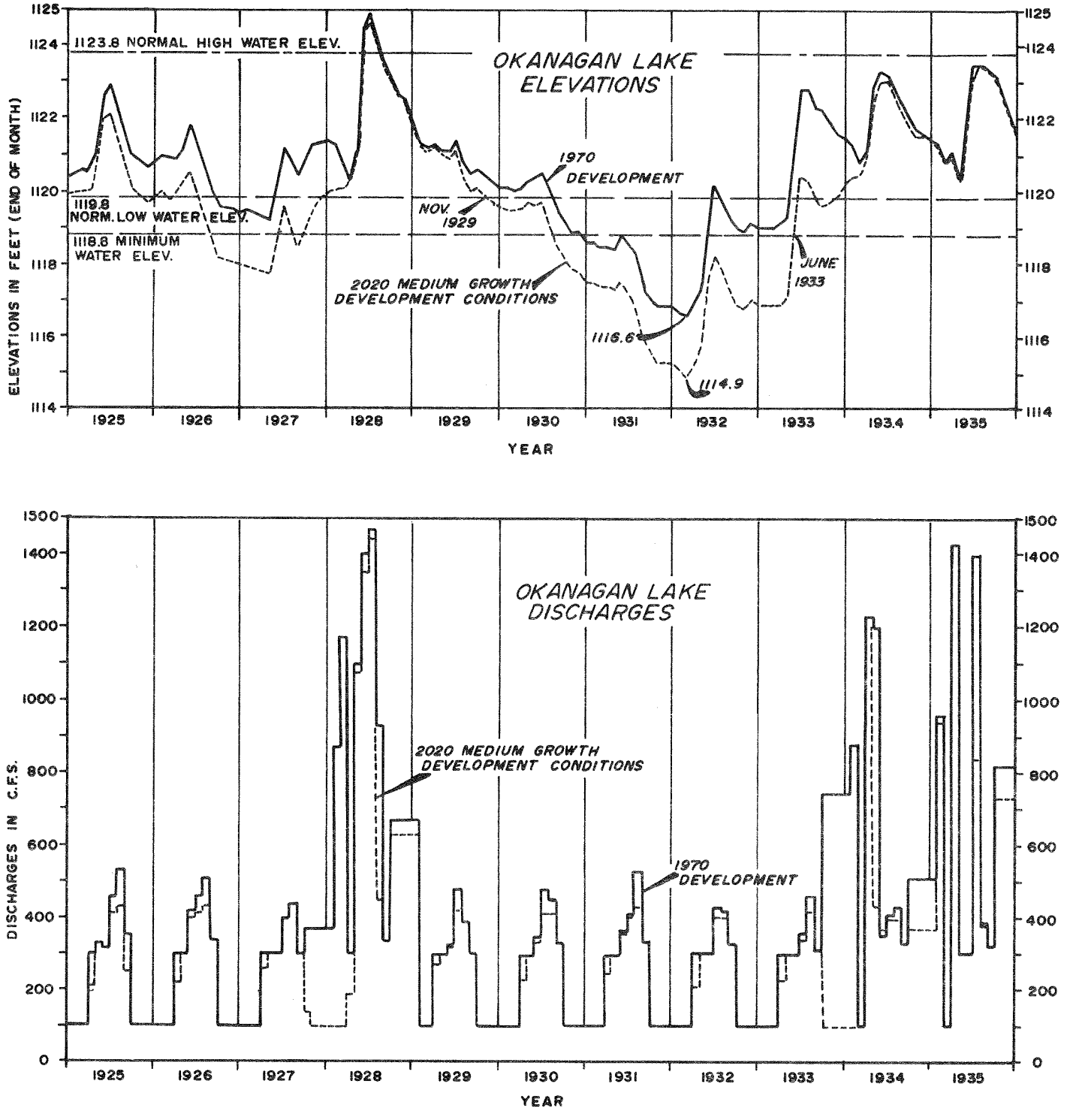
An additional 39,000 acre-feet must be released from Okanagan Lake to meet all Okanagan River fishery requirements in all years. In drought years, this release would result in greater drawdowns of Okanagan Lake with increased impacts on shoreline recreation, wilflife and aesthetics. It is extremely doubtful that the benefits to fisheries would outweigh the increased damage to Okanagan shoreline uses.

5.2.2 Alternative 2 - Water Management Alternatives Within Okanagan Basin

Sub Alternative 2 (a) -

Objective - Water Conservation (Fishery Flows Met Incidentally)

Method - Lower Okanagan River Intakes



SIMULATED OKANAGAN LAKE ELEVATIONS and DISCHARGES- 1925 to 1935. BASED on COMPUTER MODEL DATA ASSUMING PRESENT OPERATING PROCEDURES and 2020 MEDIUM GROWTH DEVELOPMENT CONDITIONS.

Figure 5.1

TABLE 5.3

ECONOMIC EVALUATIONS

Mainstem Water Quantity Alternatives

(Based on 1970 Development Only)

DESCRIPTION OF SUB-ALTERNATIVE	ITEM	CAPITAL COST	ANNUAL COST	WATER BASIN REQUIREMENTS 1970		WATER BASIN REQUIREMENTS 2020						COMPUTER RUNS				RANGE OF WATER CONSERVED IN YEAR 2020 FOR 3 GROWTH PROJECTIONS OVER NULL OPERATION		REMARKS
						ECONOMIC GROWTH PROJECTION 1		ECONOMIC GROWTH PROJECTION 2		ECONOMIC GROWTH PROJECTION 3		1970		2020				
		1970 Costs Includes 25% for Engineering & Contingencies $	7% - 25 yrs. Plus Operation & Maintenance $/Year	Salmon Fishery Requirements Met Incidental to Other Uses	Salmon Fishery Requirements Met at All Times	Fish Incid. KAF	Fish All Times KAF	Fish Incid. KAF	Fish All Times KAF	Fish Incid. KAF	Fish All Times KAF	Fish Incid.	Fish All Times	Fish Incid.	Fish All Times	Fish Incid. KAF	Fish All Times KAF	
2 (c) CONSERVATION OF WATER by constructing spawning channels in the lower Okanagan River to reduce salmon fishery flow requirements.	Spawning channels in Lower Okanagan River	600,000	54,000	200	256	243	314	239	310	246	307		NO RUN			63-71	31-49	Saving of 30,000 acre feet in drought year equivalent to about 1/3 of foot on Okanagan Lake.
2 (d) FLOOD CONTROL by increasing Okanagan Lake normal high water elevation by 1 foot in flood years; adjusting Kelowna Floating Bridge; channel & gate structure improvements; replacing McAlpine Bridge (Highway 97); building Tugulnuit Lake control works; improving inflow forecasts; flood plain zoning for Osoyoos Lake.	Adjustments to Kelowna Floating Bridge	34,000	3,000	273	312	306	345	310	349	317	356	3	4	38		0	0	Okanagan Lake normal range 1119.8-1123.8 (GSC 1961 DATUM) Osoyoos Lake desirable range 910.7-912.3 (USC&S DATUM) Replacement of highway bridge may not be warranted on the basis of improved hydraulic conditions only. Bank erosion protection is required if flood discharges to be sustained at 80% of channel design capacity.
	Improvement Okanagan & Skaha Dams (gates; prevention of icing)	25,000	4,000															
	Replacement McAlpine Bridge	166,000	14,000															
	Tugulnuit Lake control works	45,000	8,000															
	Osoyoos and Okanagan Lake flood plain zoning	?	?															
	Improved Forecasting Procedures Channel:	?	?															
	Excavation & removal of temporary rock weirs	7,000	1,000															
	Fill in over-excavation & erosion holes in channel	317,000	51,000															
	Bank erosion protection	390,000	63,000															
	Total	984,000	144,000															
3 MAINTENANCE OF OKANAGAN LAKE LEVEL in drought periods though importation of water - Null method of operation	Diversion of up to 36,000 acre-feet per month in drought years from the Shuswap River	10,725,000	1,176,000	273	312	306	345	310	349	317	356	30		40	42	0	0	Diversion costs extremely high assuming no irrigation along diversion canal.

- Modifications to Kelowna Floating Bridge and Lowering Okanagan Lake Intakes
- Modifications to Zosel Dam and Upstream Channel Improvements.
- Tugulnuit Lake improved Outlet Works

a) Lower Okanagan River Intakes

The Okanagan Flood Control Works included the straightening and improvements to the Okanagan River Channel. This resulted in the cutting off of a number of meanders or oxbows which contained irrigation and domestic water intakes. In order to service these intakes, each oxbow was connected to the main channel at its upper and lower ends by culverts.

When the Okanagan Flood Control Works were completed, it was found that the river water elevations at normal summer flows did not provide adequate submergence for the intake culverts nor for some of the intakes located directly on the river due primarily to lower water profiles than those anticipated. This problem was remedied by the placing of stop logs across the weir openings of the drop structures, thus raising water elevations at these points by some two to three feet. Normally the stop logs are placed immediately after the freshet and remain there until the end of the irrigation season in September when they are removed.

Even with the addition of stop logs up to the top of the weirs, it has been necessary to maintain a minimum residual flow of 300 cfs during the irrigation season to provide adequate submergence. After mid September, releases are normally governed by fishery requirements in the lower portion of the Okanagan River although in a drought year it may be necessary to reduce the minimum flows to 100 cfs depending upon the amounts of carry-over storage available in Okanagan Lake.

Studies were undertaken to determine if the oxbows might be deepened and the culverts and intakes lowered so that the required discharges (the greater of the fishery requirements or the minimum flows) could be met without the need for stop logs.

From limited field investigations it would appear that this sub-alternative is feasible and could result in the saving of 40,000 acre-feet per year during drought periods, assuming fishery requirements are met at all times. A saving of up to 70,000 acre-feet could be made in a drought year if fishery flows were not met (i.e. if operation were similar to the present operation). Prior to the implementation of such a proposal it should be tested in the field, to ensure a base flow of 100 cfs plus consumptive use

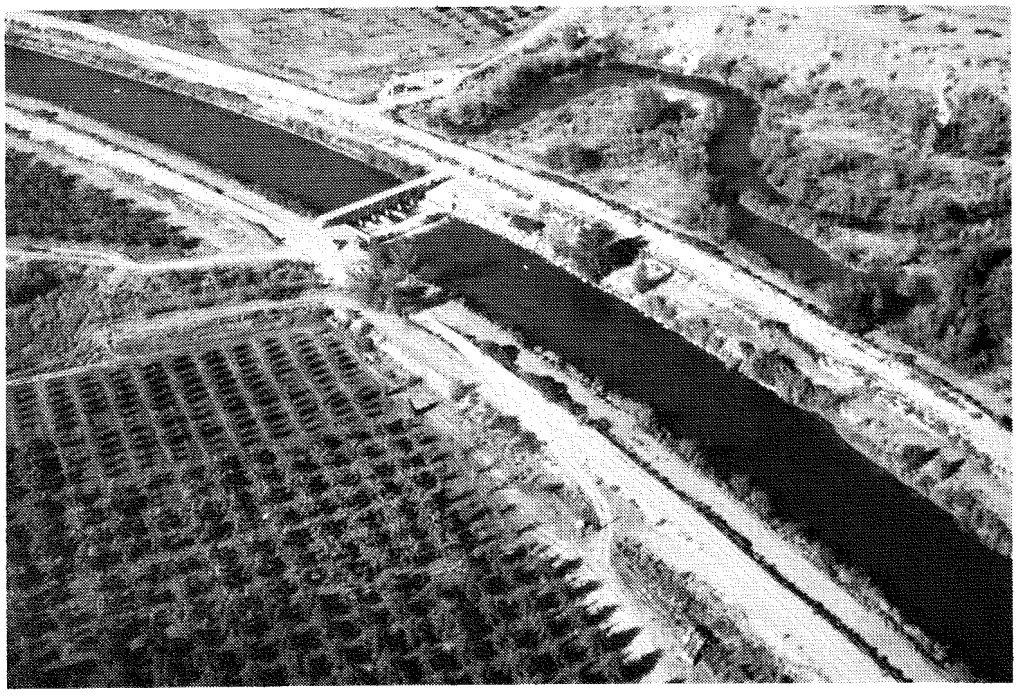


Photo 7 OKANAGAN FLOOD CONTROL CANAL showing Oxbows D.S. #3 (in foreground) - Flow 300 c.f.s. Looking North (Sept. 12, 1973)

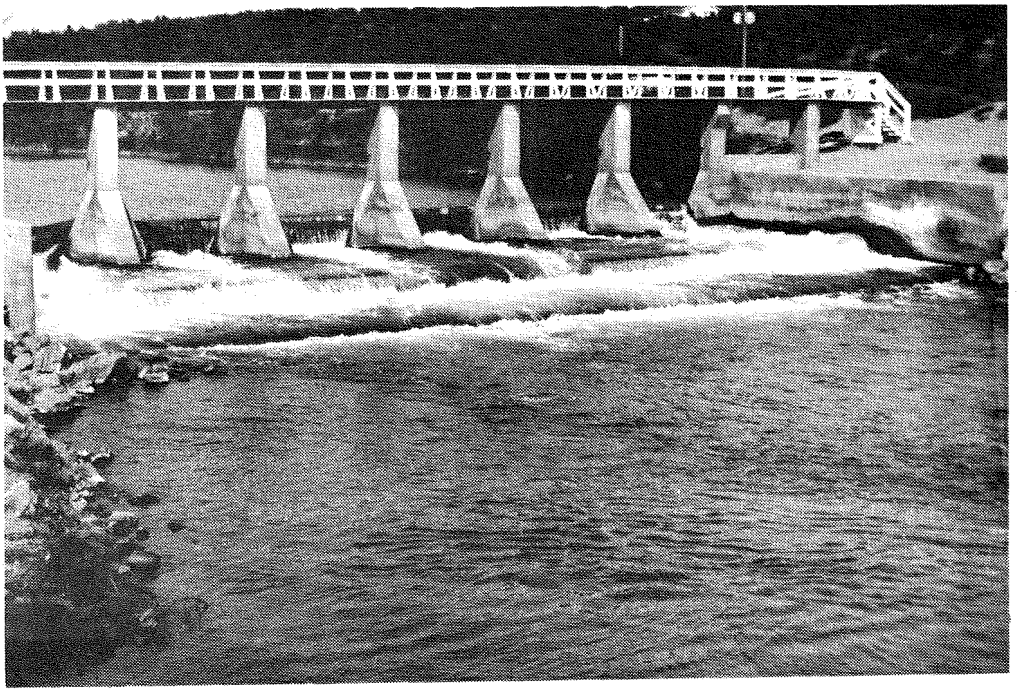


Photo 8 GAUGING STATION 8NM85 Near Oliver (between D.S. 3 and 4 - August, 1973)

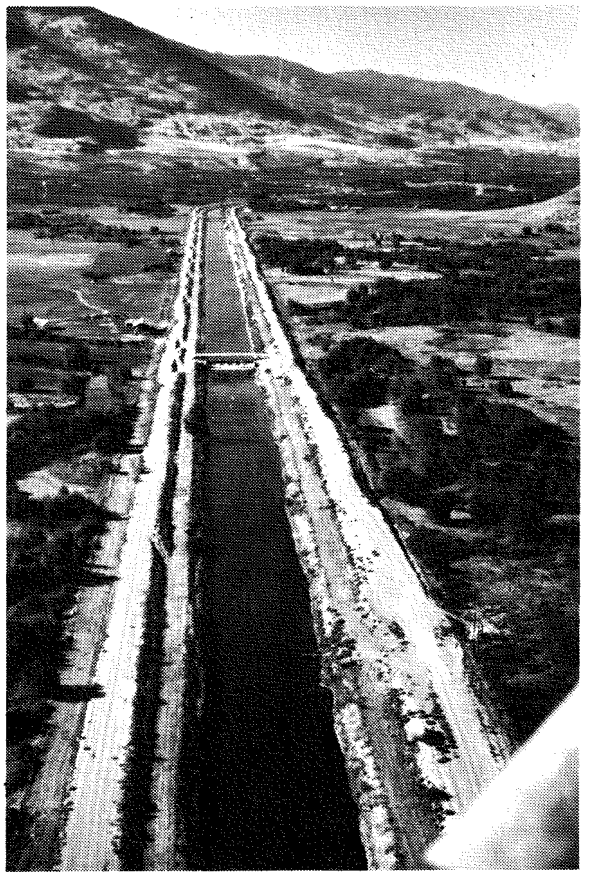


Photo 9 OKANAGAN FLOOD CONTROL CANAL
D.S. #2 (Flow 300 c.f.s.)
Looking North (Sept. 12, 1973)

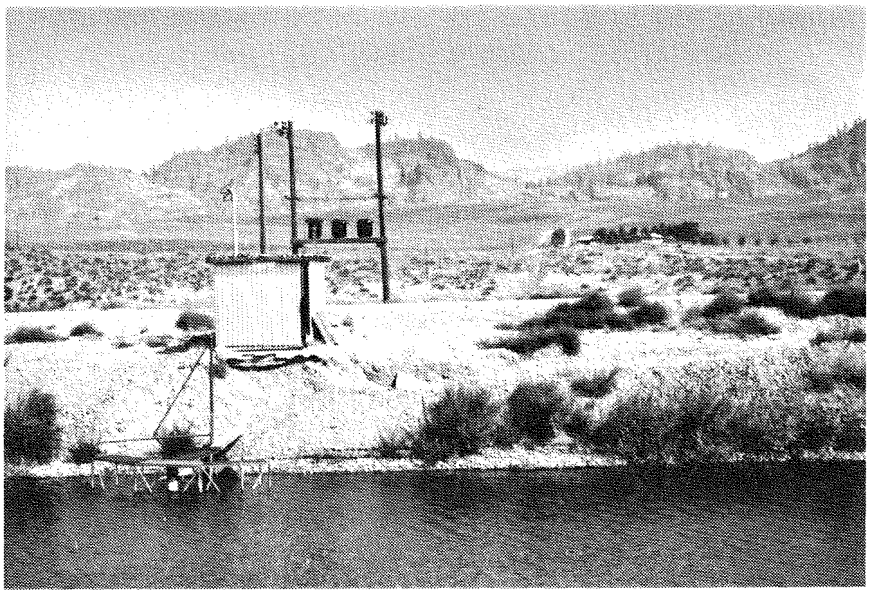


Photo 10 INTAKE FOR PACIFIC VINEYARDS
Looking East (August, 1973)

will meet the needs of water users along Okanagan River assuming intakes were improved.

b) Modifications to Kelowna Floating Bridge and Lowering Okanagan Lake Intakes

In severe droughts, similar to that which occurred between 1929-32, Okanagan Lake would drop to 1119.2 feet (0.6 below normal low water elevation) under present levels of development, and to 1116.8 feet under 2020 conditions of development. Kelowna Bridge is presently designed to operate at a minimum lake level of 1118.8 feet and the development of a contigency plan is proposed in the event that Okanagan Lake approaches its normal minimum elevation and continuing drought conditions are anticipated. Such a contigency plan would provide for the necessary dredging at the bridge sites and structural adjustments to make the bridge operable at elevation 1116.8. The capital costs of the bridge modifications and the lowering of Okanagan Lake and River intakes are estimated to cost $232,000 (Table 5.3). The lead time required to lower Okanagan Lake intakes priod to the occurrence of a major drought requires that this portion of the work be undertaken in the near future.

By reducing Okanagan Lake drawdowns in drought years this sub-alternative also would lessen potential negative impacts in shoreline recreational resources around Okanagan Lake, effectively eliminating these in all but the most severe drought on record (1929-31). These economic and environmental benefits would have to be weighed against the increased damage to both the sockeye and sport fishery resources due to the lower minimum Okanagan River flows and greater fluctuations of Okanagan Lake during Kokanee shore spawning and incubation. In view of the importance of these resources to the economic and environmental health of the Okanagan, other water conservation sub-alternatives that attempt to meet fishery water requirements should also be considered.

c) Modifications to Zosel Dam and Upstream Channel Improvements (Figure 5.2)

Experience during the 1970 and 1973 droughts indicates that Osoyoos Lake levels cannot be maintained at 911 feet (USCGS) when inflows from Okanagan River drop below 270 cfs. This is due to considerable leakage from Zosel Dam, which normally controls the outlet of Osoyoos Lake in the United States. Reductions of Okanagan River inflows to 100 cfs would cause Osoyoos Lake levels to drop below the elevation of Zosel Dam, until the lake was controlled by gravel bars upstream of the dam. The precise elevation at which these gravel bars take control is not known and thus the consequences of Osoyoos Lake drawdowns on recreation and aesthetics in the area cannot be fully assessed. In order to meet the objectives of water conservation and the maintenance of adequate summer elevations on Osoyoos Lake an improved outlet channel coupled with a new control dam are needed. If the additional objective of flood control on Osoyoos Lake is also included then some major changes are required at the outlet of Osoyoos Lake and/or within the Similkameen River Basin (See Chapter 6)



Photo 11 TUGULNUIT LAKE - Lake Elevation 911.5'
Looking East (Sept. 12, 1973)
Note drainage ditch to Okanagan River

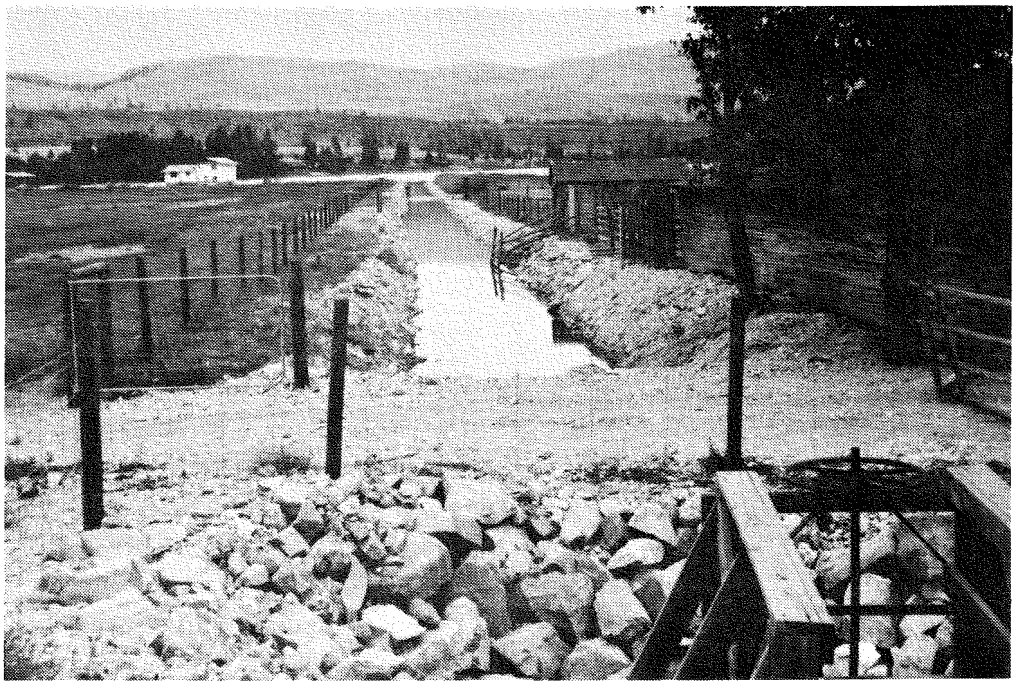


Photo 12 TUGULNUIT DITCH
Looking East (August, 1973)

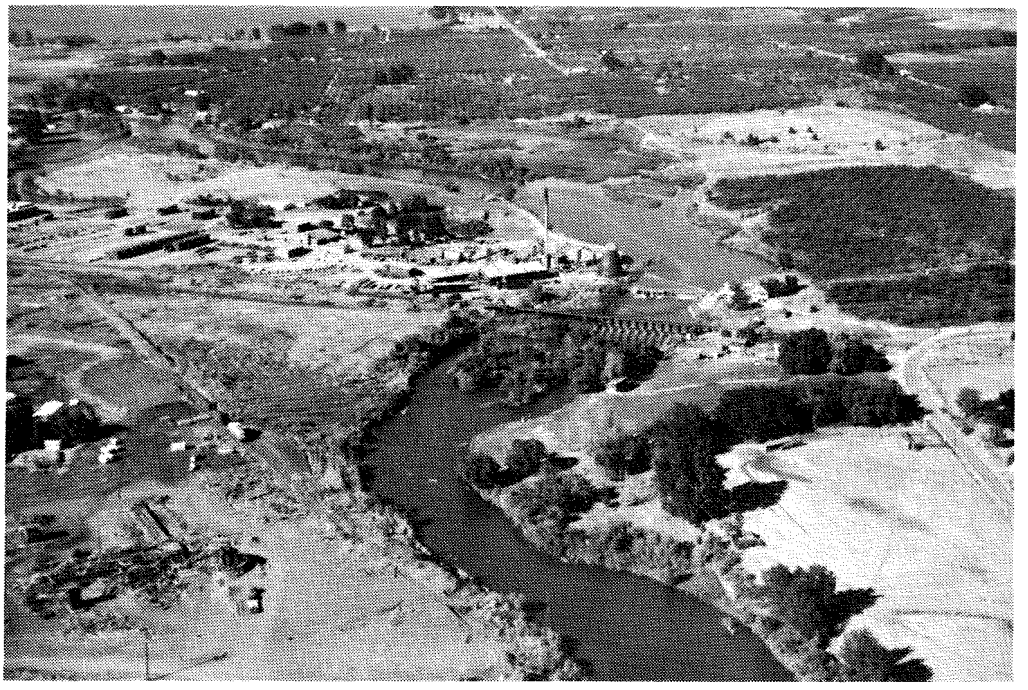


Photo 13 ZOSEL DAM, Oroville, Washington
Looking North (Sept. 12, 1973)
Flow 300 c.f.s.



Photo 14 DOWNSTREAM CONFLUENCE
(Similkameen R. on left and Okanagan R. on right)
Looking North (Sept. 12, 1973)

Because Osoyoos Lake is an international waterway, any further consideration of the effects of this water conservation sub-alternative should be referred to the International Joint Commission.

d) Tugulnuit Lake Improved Outlet Works

Normally Tugulnuit Lake level is controlled at its outlet by an improved channel leading to a gate structure which regulates discharges into Okanagan River. However during high flows in Okanagan River such gravity drainage is not possible and it is evident that to keep the lake within its desirable elevation range the drainage should be supplement by a pumping unit. It is estimated that the cost of the pumping system would be $45,000, with annual costs including amortization at about $8,000. These are included costs together with a discussion of benefits in Sub-Alternative 3 rather than with the other costs of this sub-alternatives.

Sub-Alternative 2 (b)

Objective - Water Conservation (Fishery Flows Met At All Times)

Methods - Lower Okanagan River Intakes

- Modifications to Kelowna Floating Bridge and Lowering Okanagan Lake Intakes

If full fishery flows are met in Okanagan River at all times, and intakes are adjusted to allow minimum flows of 100 cfs during the irrigation season, water requirements for the basin would total 271,000 acre-feet under the 1970 level of development, which is the same as under the present operation, when fishery flows are not met in drought years. Equivalent requirements under 2020 levels of development could increase to 307,000 acre-feet.

Thus, the saving of water during the irrigation season could be transferred directly to meeting fishery flows. However, Okanagan Lake levels would drop 3.5 feet below the normal low water elevation during prolonged droughts and adjustments to Kelowna Bridge and Okanagan Lake intakes would again be required.

As a compromise, it would be possible to meet fishery flow requirements in all single drought years, which are not achieved under the present operation, and reduce flows in the second and third years of prolonged droughts. The amount of reduction would depend on the size of the salmon run and the magnitude of the drought, but could be coordinatedby Federal Fishery officials and British Columbia Water Resources Service.

Sub-Alternative 2 (c)

Objective - Water Conservation (Fishery Flows Met At All Times)

Methods - Lower Okanagan River Intakes

- Construction of Spawning Channels on Okanagan River

Construction of a spawning channel for Sockeye salmon near Okanagan River would enable additional water conservation in drought years. Because full channel water requirements would be necessary to enable the salmon to migrate to and from the channel, savings could only be reduced during the period of October to February 15 inclusive (See Table 5.4).

Also while flows could be reduced to 75 cfs during the period of November to February 15, it is considered that the minimum residual flow in Okanagan River should be 100 cfs. The amount of water conserved in a drought year by the construction of a spawning channel would, therefore, be approximately 30,000 acre-feet.

TABLE 5.4

COMPARISON OF FLOW REQUIREMENTS IN OKANAGAN RIVER FOR SALMON WITH AND WITHOUT PROPOSED SPAWNING CHANNEL

MONTH	PRESENT SALMON OPTIMUM REQUIREMENTS		REQUIREMENTS WITH SPAWNING CHANNEL	
	MINIMUM cfs	MAXIMUM cfs	MINIMUM cfs	MAXIMUM cfs
August	300	350	300	450
September	350	550	350	550
October	350	500	100	-
November 1 to February 15	175	1,000	75	-
February 16 to April 30	175	1,000	175	-

The capital cost of this sub-alternative has been estimated at $600,000 with an annual cost of $54,000.

Sub-Alternative 2 (d)

Objective - Flood Control

Methods - Increase Okanagan Lake Elevation by One Foot in Flood Years

- Adjust Kelowna Floating Bridge

- Erosion Control on Okanagan River

- Tugulnuit Lake Improved Outlet Works

- Replace McAlpine Highway 97 Bridge
- Improved Inflow Forecasts

Provision for flood control within the mainstem include some four feet of storage on Okanagan Lake equivalent to 340,000 acre-feet as well as design channel discharges ranging from 2,100 cfs at Penticton to 3,400 cfs at Osoyoos Lake. Because of the limited channel capacities and the concentrated freshet during April to July, it is necessary to plan the regulation of Okanagan Lake well in advance of an impending flood.

Under normal winter conditions, Okanagan Lake can be lowered about one foot a month although operations in February and March may be impeded by icing conditions on the gates of Skaha Lake Dam as well as at the inlet to Osoyoos Lake where ice can plug the river channel.

During past floods such as occurred in 1972 it was found Okanagan Lake average discharges were limited to about 70% of the channel capacity at Penticton to allow for local channel inflows downstream, limitations in the safe discharges into Osoyoos Lake, local channel restrictions such as the McAlpine pile trestle highway bridge north of Oliver and the need for gravity drainage from Tugulnuit Lake.

a) Increase Okanagan Lake Elevation by One Foot in Flood Years

With the present limited channel capacity of Okanagan River, net inflows exceeding 600,000 acre-feet cannot be contained within the normal four-foot operating range on Okanagan Lake. Experience with the 1972 flood indicated that if Okanagan Lake is allowed to rise to one foot above normal maximum elevation, about $50,000 of damage to shoreline property will occur. As such events occur very infrequently annual costs are estimated at $4,500. When possible, Okanagan Lake should be drawn down below its normal minimum elevation when larger runoff is forecast. This would reduce the impact of flooding above the normal high lake elevation.

Without expensive structural adjustments to Okanagan River this sub-alternative appears inevitable and should be accompanied by floodplain zoning around Okanagan Lake to elevation 1127.5 feet (200 year flood elevation plus two feet of freeboard) to reduce any potential damages from flooding.

b) Adjust Kelowna Floating Bridge

During the 1972 flood, approximately $30,000 were spent on ballasting the Kelowna Floating Bridge to accommodate the extreme high water elevations. This investment would have to continue in the event of subsequent floods, as such floods are too infrequent to support more permanent adjustments.

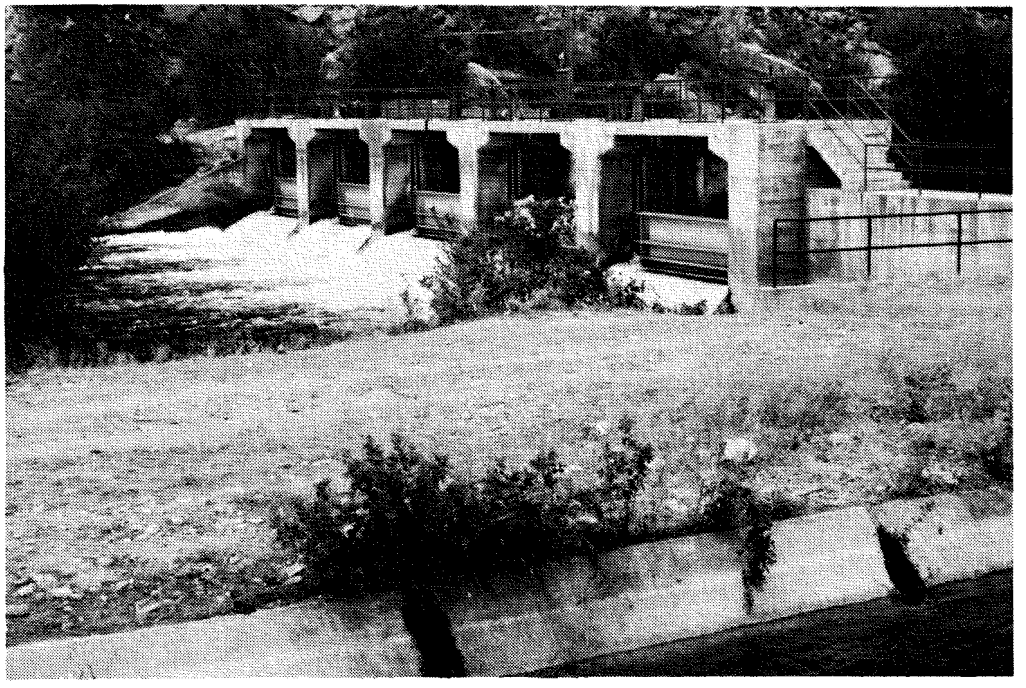


Photo 15 VASEUX LAKE DAM (SOLID) - Flow 300 c.f.s.
Looking West (August, 1973)

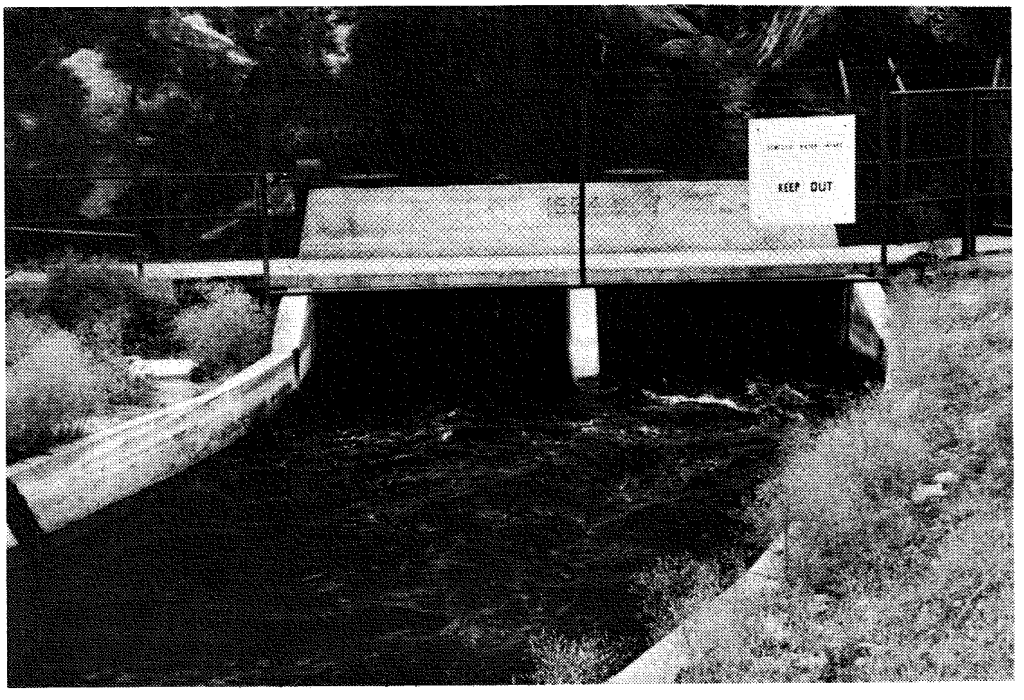


Photo 16 SOLID DIVERSION FROM VASEUX LAKE DAM
Looking Northwest (August, 1973)

c) Erosion Control and Tugulnuit Lake Improved Outlet Works

Erosion protection around the drop structures on Okanagan River and adjustments to the gates on Okanagan and Skaha Lake dams to prevent icing could permit continuous discharges down Okanagan River at 80% channel capacity, compared to 70% at present. These measures would allow the evacuation of an additional 12,000 acre-feet per month prior to and during the freshet and thou would improve the flexibility of operating Okanagan Lake. Capital costs are estimated at $739,000. (Table 5.3).

Increased discharges down Okanagan River would cause local flooding around Tugulnuit Lake, the natural drainage of which can be impeded during high flows in the main channel. A pumping system to provide drainage to the river during floods when gravity discharge is restricted or completely cut off, would cost $45,000. As the benefits involve maintenance of desirable water levels on Tugulnuit Lake, the costs should be largely borne by the local shoreline residents.

5.2.3 McAlpine Highway 97 Bridge (Table 5.3)

Replacement of McAlpine Bridge on Highway 97 to remove the trestles which presently trap debris would cost an estimated $166,000 or $14,000 annually. This investment cannot be justified on the basis of flood control unless it can be demonstrated that the debris pile-ups at the bridge seriously threaten the structures.

5.2.4. Improved Inflow Forecasts

The value of improved forecasting models both for the total freshet inflow forecasts and for short term forecasts a few days in advance are recognized. Forecasting models are presently in operation and their performance is under review by the British Columbia Water Resources Service.

Volume inflow forecasts to Okanagan Lake for the freshet period April to July inclusive are published in the April 1 Snow Survey Bulletin of the British Columbia Water Resources Service, who with the assistance of the Department of Highways, operate the Okanagan Flood Control Works. These forecasts are made in the assumption that normal weather conditions will prevail during the freshet period, and have a standard error of forecast of some 84,000 acre-feet. In subsequent revisions of the forecasts during the snow melt period up to the end of July about one half the error can be explained by variations from the normal weather pattern. At present, long-term weather forecasts of temperature and precipitation are not available and research in this field does not look too promising. The remaining half

of the forecast error can be attributed to the limited understanding of the hydrology of the basin particularly with respect to changing soil moisture conditions. The elimination of this portion of the error would conserve up to 40,000 acre-feet, which represents half a foot of storage on Okanagan Lake. However, in drought and flood years this may not be too important because conservation or flood control action is normally taken well in advance of inflow forecasts and is based primarily on the accumulated snow pack data. Nevertheless, for a better understanding of the hydrology of the Basin and the contribution to be expected from its major tributaries, it does appear that the continuous monitoring model has much to offer.

5.2.5 Alternative 3 - Water Importation In Drought Years

For all the above sub-alternatives, Okanagan Lake would be drawn down below its normal low water elevation of 1119.8 feet should the 1929-31 drought re-occur. It appears that this situation can only be avoided by importation of water.

The periods over which the diversion would take place within the study period 1921-1970 are shown in Table 5.5.

Although the maximum diversion shown in Table 5.5 is 500 cfs, it is now considered that a 600 cfs capacity canal would be required for diversion of water from the Shuswap River near Enderby over a seven month period (March to July inclusive and October and November) in drought years.

Over the 50-year study period, diversion would only be required for a total of 20 months on nine different occasions assuming 2020 development conditions - a frequency of about one year in eight. The maximum diversion would occur with conditions similar to the 1929-31 drought with up to 167,000 acre-feet required in 1931. However, the average annual volume diverted over the 50 years would be less than 10,000 acre-feet.

Under these conditions, energy costs for pumping are not significant when compared to annual interest and amortization charges on the $10 million capital costs. Total annual costs are estimated at $1.2 million, assuming no irrigation in the areas adjacent to the canal.

The diversion canal could be used to irrigate adjacent lands in the Spallumcheen Valley, but due to pumping requirements the annual cost per acre-foot (excluding cost of water costs at the canal side and local distribution costs) are estimated at $60-70. As annual net benefits from tree fruits and pasture range from $63 to $78 per acre-foot respectively, such pumping systems would not be economical, especially as most agricultural pro-

duction in this section of the valley would be mainly forage crops because of climatic conditions.

Because water conservation sub-alternatives within the Okanagan do significantly reduce lake drawdowns in such extreme droughts the investment of over $10 million,and annual costs of $1.2 mission to avoid such infrequent droughts does not appear to be justified. Although water importation would basically eliminate all social and environmental consequences of extreme Okanagan Lake level fluctuations, it could have a detrimental effect on shore-spawning Kokanee. This is because Okanagan Lake would be regulated less conservatively and therefore be subject to greater drawdowns than at present with the knowledge that there was additional water available in the event of a drought. Large lake level drawdowns during the spawning and incubation period (September to February) would expose fish eggs, resulting in significant fish mortality. Because more than half the total Kokanee population is dependent on shore-spawning habitats, such events could have serious consequences on the quality of angling on Okanagan Lake.

TABLE 5.5

IMPORTATION OF WATER REQUIRED TO MAINTAIN OKANAGAN LAKE ABOVE NORMAL LOW WATER ELEVATION 1119.8 (cfs - months)

YEAR	M	A	M	J	J	A	S	O	N	TOTAL
1926					500			500	500	1,500
1927	110	247								357
1929					500					500
1930		500	500	500	500				106	2,106
1931	208	500	500	500	500			191	379	2,778
1932	401	500								901
TOTAL CFS MONTHS	719	1,747	1,000	1,000	2,000			691	985	8,142
TOTAL MONTHS	3	4	2	2	4			2	3	20

5.3 DISCUSSION OF ALTERNATIVES

A number of possible solutions to water management problems along the mainstem have been outlined. The evaluation of these alternatives is complex because economic and social values must be placed on a wide range of water uses. Such costs and benefits are summarized in Tables 5.2 and 5.3 and 5.6 which compare all benefits and costs for each sub-alternative according to economic, environmental and social goals. The matrix has been prepared for 1970 and for 2020 development where changes are significant.

TABLE 5.6

ENVIRONMENTAL AND SOCIAL EVALUATIONS

Mainstem Water Quantity Alternatives

(Based on 1970 Development Only)

ALTERNATIVE	SOCKEYE SALMON	SPORT FISH	WILD-LIFE	OKANAGAN LAKE RECREATION BEACHES	OKANAGAN LAKE PRIVATE BOAT DOCKS	OKANAGAN LAKE PUBLIC BOAT DOCKS	OKANAGAN LAKE PRIVATE PROPERTY FLOODED	OKANAGAN LAKE LAKE BOTTOM EXPOSURE	RECREATION ACRE DAYS	PRIVATE BOAT DOCK DAYS	PUBLIC BOAT DOCK DAYS	PRIVATE PROPERTY ACRE DAYS	LAKE BOTTOM EXPOSED AREA-DAYS
[1](a) Null Operation Fishery Flows met Incidentally Water Reqts.1970-273 KAF 2020-306-317 KAF	0	0	0	0	0	0	0	0	64.0	6023	109.4	106.5	950
(b) Null Operation Fishery Flows met all times Water Reqts.1970-312 KAF 2020-345-356 KAF	+7	+2	-2	0	-4	-4	0	-8	64.0	8208	153.5	106.5	1679
[2](a) Water Conservation Fishery Flows met Incidentally Water Reqts.1970-200 KAF 2020-254-261 KAF	-2	-10	+5	0	+8	+9	0	+9	64.0	1129	13.0	106.5	77
(b) Water Conservation Fishery Flows met all times Water Reqts.1970-271 KAF 2020-325-332 KAF	+8	+2	+2	0	+6	+2	0	+1	64.0	2538	91.4	106.5	850
(c) Water Conservation Spawning Channel-Ok.River Fishery Flows met all times Water Reqts.1970-256 KAF 2020-307-314 KAF	+10	+2?	+2?	0	+7	+3	0	+2	64.0	1500[e/]	80.0[e/]	106.5	800[e/]
(d) Flood Control Measures Structural Alterations to Ok.River.,Regulation of Ok.Lake. Fishery Flows met Incidentally. Water Reqts. 1970-273 KAF (Null 2020-306-317 KAF Operation)	0	0	0	+10	+2	+3	+10	+2	43.3	5000	78.4	52.0	840
[3](a) Maintenance of Okanagan Lake Levels. Importation of Water Fishery Flow met all times Water Reqts.1970-312 KAF (Null 2020-345-356 KAF Operation)	+7	-5	+4	0	+10	+10	0	+10	64.0	650	6.9	106.5	.24
(b) Maintenance of Okanagan Lake Levels Importation of Water Improved Intakes Flood Control measures Fishery Flows met all times Water Reqts.1970-312 KAF 2020-345-356 KAF	+8	-5	+2	+10	+10	+10	+10	+10	43.3	284	5.6	52.0	.24

NOTE: For commencement of this Table see Table 14.11.

K.A.F. - Kilo Acre Feet

'e' - estimated

Economic impacts include flood damage to shoreline property and developments, loss of tourist resources due to lake drawdowns, adjustments to water intakes around Okanagan Lake and along Okanagan River, and adjustments to Kelowna Floating Bridge.

The environmental impacts involve loss of public beaches, loss of use of launching and mooring facilities, exposure of lake bottom, reduction in Kokanee and Rainbow trout shore spawning habitats, and inundation or dessication of wildlife nesting grounds.

Social impacts include loss of opportunity to use private boat docks due to high or low water levels.

To account for seasonal variation in use (for example, boat docks are mainly used during the summer months), each social and environmental landuse category was adjusted by a monthly weighting factor (Table 5.7). These factors were based on observed or estimated seasonal use patterns obtained from the creel census, socio-economic fishing survey, and recreation studies (Table 5.8). For each sub-alternative, total damage in dollars or other units for all extreme events in the 50 year study period was summed and divided by 50 to obtain average annual damage values.

Although there is little doubt that Okanagan Lake drawdowns below the minimum low water elevation of 1118.8 feet during the summer would have significant implications on the economics of the tourist industry, it is almost impossible to quantify this effect. During the 1972 beach-user survey, shoreline recreationists were asked for their possible reaction to such drawdowns, but responses were not enlightening because they had not experienced such conditions.

The Okanagan tourist trade has considerable resilence to single events which affect recreation quality. This has been demonstrated by the effect of the Skaha and Wood Lake algae blooms of 1967 and 1971 respectively. Although some long-term Okanagan tourists did avoid the basin, they were replaced by others who either had not known about these blooms, or who placed less emphasis on water quality as a factor in their recreational enjoyment.

However, water quality deterioration in a small portion of the Basin over a single year is of limited value in anticipating loss to the tourist industry as well as the environmental and social impacts of Okanagan Lake levels remaining below normal low water elevations for periods up to three years (see Figure 5.1).

TABLE 5.7

MONTHLY WEIGHTINGS IN DAYS FOR SHORELINE DAMAGE

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
Public Boat Access Ramps	0	0	5	10	15	25	31	31	20	10	5	0
Private Boat Docks	0	0	5	10	15	25	31	31	20	10	5	0
Public Recreation Beaches	0	0	0	0	5	15	31	31	10	0	0	0
Marinas	0	0	0	0	20	30	31	31	20	10	0	0
Campgrounds	0	0	0	0	10	20	31	31	10	0	0	0

TABLE 5.8

IMPACTS ASSOCIATED WITH MAINSTEM OKANAGAN WATER MANAGEMENT ALTERNATIVES

ASSOCIATED GOAL	IMPACT CATEGORY	LOCATION	UNIT OF MEASUREMENT
Economic	Kelowna Floating Bridge	Okanagan Lake	dollars
	Flood damage to private property	Okanagan Lake	dollars
	Revenue lost - marinas	Okanagan Lake	dollars
	- lake drawdowns	Okanagan Lake	dollars
	Intake adjustments	Okanagan River	dollars
		Okanagan Lake	dollars
Environmental	Recreation beaches flooded	Okanagan Lake	acre days
	Public boat ramps inoperable	Okanagan Lake	ramp days
	Shoreline exposed by lake draw-down	Okanagan Lake	area-days *1
	Sockeye salmon	Okanagan River	spawning fish
	Sport fisheries		
	- Kokanee (shore spawning)	Okanagan Lake	spawning fish
	- trout & Kokanee	Okanagan River	spawning fish
	Wildlife	Okanagan Lake	
		Okanagan River	
Social	Private property flooded	Okanagan Lake	acre days
	Private boat docks inoperable	Okanagan Lake	boat-dock days

*1 "Area-Days" - Due to the difficulty in surveying lake bottom area exposed at various drawdowns below the minimum level of 1119.8 feet, a dimensionless index of "area-days" was developed. The maximum extent of shoreline exposed at any location around the lake at 1116.8 feet was rated at 100, and incremental drawdowns between 1119.8 and 1116.8 feet for this and other sections of the shoreline were pro-rated to 100. The pro-rated numbers were then multiplied by the number of days the drawdown at each 0.5 foot increment occurred to produce the index "area-days".

To provide some estimate of economic impacts, it was assumed there would be a 10% reduction in the tourist trade in two consecutive drought years, under normal operating conditions. Based on the 1970 net income from tourist expenditures of $4.5 million, this impact is valued at $450,000, which is again reduced to $15,000 on an annual basis assuming an average return period of one in 50 years. The capitalized value of this loss to 2020, discounted at 7% per annum, would be $400,000.

Incremental impacts for each sub-alternative relative to simulated historic inflows regulated by existing Okanagan Lake Dam to meet water requirements were scored according to the following procedure.

The extreme range in annual damage values for each landuse category was noted and the difference between the annual value for the simulated operation and both extreme values (above and below the historic) was calculated. The larger difference, whether positive (benefit) or negative (cost) was scored as ten. Differences between the annual values for the simulated operation (based on computer model data) and the respective annual values for all other sub-alternatives were then scored as a percentage of this maximum difference, decreases in annual damage being scored positively and increases scored negatively. In most categories of landuse, as at least one sub-alternative effectively eliminated the damage due to high or low water, a score of +10 means that the planning objective was fully achieved.

In the case of Sockeye salmon, an approximate relationship between Okanagan River discharges and spawning success was generated and the discharge regime of each sub-alternative was then analysed to project Sockeye production. Discharges which enabled optimum production of salmon (average escapement of 51,000) were scored as ten, while those that effectively eliminated the run were scored as zero. Scores were pro-rated according to the estimated success of Sockeye reproduction associated with various minimum flows for each alternative.

Other impacts on sport fishing resources in the mainstem included Okanagan Lake fluctuations on shore-spawning Kokanee and Okanagan River discharge regimes on Kokanee and Rainbow trout spawning habitat in Okanagan River and subsequent rearing success in Skaha, Vaseux and Osoyoos Lakes.

A single score represented an integration of impacts on each sport fishery component. This score was based on the magnitude of impacts due to lake level fluctuations or Okanagan River flows falling outside desirable ranges and weighted according to the size of the fishery supported by shore or main river spawning, incubation and rearing. Because angling for large

Rainbow trout in the Lower Okanagan River was known to be a highly prized recreation, impacts on this resource were weighted three times that of other sport fishery components.

Although cultural changes in shorelire landuse have significantly reduced natural wildlife habitat, potential threats to remaining habitat due to alternative operation of the Okanagan mainstem system could occur in the north arm of Okanagan Lake and in the oxbows adjacent to the Okanagan River Flood Channel. Impacts on wildlife habitats around Okanagan Lake were not scored, as no alternative created prolonged changes in the present operating range which would seriously affect natural habitat. Scoring of the effects of various minimum flow regimes in Okanagan River was based on a qualitative relationship between flow and wildlife breeding success.

5.4 CONCLUSIONS

By 2020, growth in population and irrigated acreage could change total basin water requirements for both consumptive and non-consumptive uses to about 345,000 acre-feet compared to 312,000 acre-feet at present (1970). Although these possible increases are not considered large enough to affect mainstem operation significantly, they will further aggravate the potential drought problems in the system. Thus, should the present method of operation be continued, re-occurence of prolonged droughts would result in greater drawdowns of Okanagan Lake in the future than those anticipated under the Okanagan Flood Control Act and have relatively greater impacts on shoreline recreation and could threaten the viability of the Sockeye salmon fishery over the next 50 years.

It is also apparent that importation of water to the Okanagan Basin cannot be justified on either economic or environmental considerations. Inflows to Okanagan Lake are sufficient to meet all water requirements in most years with proper management and the environmental costs associated with a prolonged drought such as occurred in 1929-31 to be preferable to annual expenditures of over $1 million to pay the costs of importation.

To provide greater flexibility for operating the system during such droughts, one of the water conservation sub-alternatives should be implemented. Lowering the irrigation intakes on Okanagan Lake and River will produce economic and environmental benefits that appear to outweigh their relatively modest annual costs, though further consideration would have to be given to the consequences of minimum flows of 100 cfs on Osoyoos Lake levels and the possibility of replacing Zosel Dam.

Discussions with public task forces, indicate that the Okanagan residents place highest priority on maintaining water supplies to domestic and irrigation uses followed by recreation and fishery requirements. Consequently, in extreme and prolonged droughts, operating procedures would have to be developed so that consumptive uses were met at all times, and some fishery requirements in Okanagan River foregone to the point where reductions of negative impacts of Okanagan and Osoyoos Lake drawdowns balance the losses of fishery production.

Because Okanagan Lake would only fall below its extreme minimum elevation of 1118.8 feet very infrequently, actual adjustments to Kelowna Bridge might best be undertaken when Okanagan Lake approaches its minimum elevation of 1118.8. A contingency plan should be prepared for this however, so that such modifications can be carried out without delay. In the case of the Okanagan Lake intakes it would not be feasible to wait because of the number involved, and such improvements should be undertaken at the same time as the Okanagan River intakes are lowered.

Flooding around Okanagan Lake only occurs about once in 15 years and cannot be considered a serious problem. Improvements in forecasting resulting from an increased understanding of tributary hydrology and soil moisture balance will assist in better flood regulation. Some of the real physical constraints of maintaining maximum discharges in Okanagan River should be overcome, such as control work for regulating Tugulnuit Lake levels and some bank and erosion protection measures.

It does not appear that the costs of constructing fish spawning facilities adjacent to Okanagan River to maintain the Sockeye salmon run can be justified solely by the amount of water conserved and associated environmental benefits around Okanagan Lake in drought years. An additional problem with respect to salmon is the adequacy of the Zosel Dam fish ladders. The release of water specifically for fisheries to the lower reaches of the Okanagan River upstream is contigent on adequate upstream and downstream migration at Zosel Dam.

CHAPTER 6

Osoyoos Lake Alternatives

6.1 OSOYOOS LAKE ELEVATIONS

The objective of water quantity management is to provide adequate water of good quality at satisfactory elevations.

Through structural improvements and good water management it is possible to approach these objectives for the mainstem system down to the inlet of Osoyoos Lake. This is due primarily to the large storage capacity of Okanagan Lake (340,000 acre-feet) which can retain a major portion of the freshet inflows while tributaries downstream of Penticton are peaking and filling the river channel to capacity.

Similarly, in dry periods releases from Okanagan Lake can sustain consumptive use and in minimum residual flow requirements through to Osoyoos Lake.

In contrast, Osoyoos Lake, with about 7% of the area of Okanagan Lake, has very limited storage capacity in its desirable operating range of 1.6 feet as outlined in Table 6.1. This desirable range can only be positively controlled by Zosel Dam, at the lake outlet of Osoyoos Lake, when near average flow conditions are occurring. There are no obstructions upstream of the dam which affect Osoyoos Lake high water elevations.

In the past Osoyoos Lake outflows during heavy floods have been retarded or sometimes reversed by backwater from the Similkameen River, while under less severe conditions the control has shifted to the channel upstream of Zosel Dam when delta material from Tonasket Creek has built a bar across the main channel.

TABLE 6.1

DESIRABLE ELEVATIONS FOR OSOYOOS LAKE

GEODETIC SURVEY OF CANADA 1961 DATUM (G.S.C. feet)	OKANAGAN FLOOD CONTROL DATUM (O.F.C. feet)	UNITED STATES COAST AND GEODETIC SURVEY DATUM (U.S.C.G.S. feet)
910.4 912.0	909.0 910.6	910.7 912.3

NOTE: Preferred summer elevation of Osoyoos Lake #911.0 (USCGS) or 910.7 (GSC).

In summary, the two water quantity problems that can be identified with respect to Osoyoos Lake are:

1) Maximum elevations occurring above 912.0 GSC (912.3 USCGS)
2) Minimum elevations occurring below 910.4 GSC (910.7 USCGS)

6.2 MAXIMUM ELEVATIONS OF OSOYOOS LAKE

Serious flooding occurs around Osoyoos Lake on average about once a decade, resulting in an average annual cost of $26,000. During extreme flood conditions, such as occurred in June 1972, Osoyoos Lake rose over five feet above the normal maximum causing $212,000 of damage to shoreline property or lost revenue to the local tourist industry. However, this size of flood is only expected to occur about once every 45 years.

Extreme flooding on Osoyoos Lake results from high flows on the Similkameen, which back-up into Osoyoos Lake, effectively stopping any outflow of water. Since inflows to the lake during such runoff periods come largely from tributary inflows between Okanagan and Osoyoos Lakes, the control of Okanagan Lake outflows has little effect on Osoyoos Lake levels.
Table 6.2 shows that the Similkameen River at Nighthawk had a discharge of 14,000 cfs or greater during May 14 to July 1 in 1972. Under these conditions the discharges from Osoyoos Lake are restricted. During this same critical period some 4.5 feet of water (compared to a normal 4 feet in most flood years) was retained on Okanagan Lake. It would appear that Okanagan Lake was effectively utilized in regulating the large 1972 flood.

6.3 OSOYOOS LAKE WATER MANAGEMENT ALTERNATIVES

Structural and non-structural alternatives for controlling Osoyoos Lake high water elevation or preventing flood damage are as follows:

6.3.1 Structural

1) Flood storage on Similkameen River of sufficient capacity to reduce maximum flows in the Similkameen River to 17,000 cfs or less at the Nighthawk gauge.
2) Construct a dam at the outlet of Osoyoos Lake to prevent backwater effect and reverse flow from the Similkameen River at high stage, together with a pumping station to carry the discharge of Okanagan River over the dam. This would also maintain Osoyoos Lake at a desirable summer water elevation which cannot be done with the present structure.
3) Replacement of Zosel Dam with limited flood control features.
4) Construct permanent dykes to protect affected built-up areas around Osoyoos Lake.
5) Construct emergency dyking to protect affected built-up areas around Osoyoos Lake.

TABLE 6.2

OKANAGAN AND OSOYOOS LAKE ELEVATIONS DURING PERIOD WHEN SIMILKAMEEN RIVER AT NIGHTHAWK EXCEEDED 14,000 CFS - FOR 1948 AND 1972 FLOODS

1 Conditions	2 Critical Period During which Similkameen R. at Nighthawk Greater 14,000 cfs		3 Elevations on Okanagan Lk. during Critical Period (GSC Datum)		4 Outflow from Okanagan Lk. during Critical Period	5 Uncontrolled Tributary Inflow Penticton to Oliver during Critical Period	6 Inflow to Osoyoos Lk. from Okanagan R. Upstream Oliver	7 Elevations on Osoyoos Lk. during Critical Period (GSC Datum)		8 Remarks
	From	To	From ft.	To ft.	ac.ft.	ac.ft.	4 + 5 ac.ft.	From ft.	To ft.	
1948 Historic	May 23	June 20	1122.08	1125.45	45,693	47,669	93,362	911.75	913.59	Osoyoos Lake Annual Max. Elev.: 916.47 ft. (GSC) On May 31, 1948
1948 Model Simulation a) Okanagan Flood Control Works b) Present Day (1970) Water Requirements			1122.2	1123.9	66,592	31,687	98,279			
1972 Historic	May 14	July 1	1120.12	1124.64	139,533	77,439	216,972	913.28	913.75	Osoyoos Lake Annual Max. Elev.: 916.80 ft. (GSC) On June 3, 1972

Note: No Model Simulation through Osoyoos Lake

6.3.2 Non-Structural

1) Improve forecasting techniques and develop an improved flood warning system and means of communicating with residents in emergent situations.
2) Plan and implement emergency preventative measures, together with a program of educating residents in flood-fight techniques.
3) Flood plain zoning.

Structural Sub-Alternatives

Flood Control Storage on the Similkameen River

Although the Similkameen River is not within the terms of reference of the Okanagan Basin Study, the river in flood stage certainly has an effect on Osoyoos Lake, which is within the Study area. Storage at upstream sites on the Similkameen River, in the United States and further upstream in Canada, could be a solution to the flood problem at Osoyoos.

For the purpose of this report it has been assumed that discharges into Osoyoos Lake as well as the local inflow (which is relatively small) will not be greater than 3,000 cubic feet per second. With free flow out of Osoyoos Lake (that is, no backwater effect from the Similkameen) the maximum lake level would be 913.8 (USCGS) to achieve a discharge of 3,000 cubic feet per second. This free flow would be achieved if the discharge of the Similkameen River at Nighthawk could be held to 14,000 cubic feet per second. The retention of all flood water on the Similkameen River in excess of 14,000 cubic feet per second woulf require the following upstream storage requirements:

TABLE 6.3

STORAGE REQUIREMENTS- SIMILKAMEEN RIVER IN CANADA

Location	Storage Required in acre-feet		Potential Storage in acre-feet		
	1948	1972	Tributaries	Mainstem	Totals
Above Princeton	463,000	295,000	158,000	273,000 (Bromley)	431,000
Below Princeton	197,000	384,000	70,000	62,000	132,000
TOTALS	660,000	1,279,000	228,000	335,000	563,000

It is evident from Table 6.3 that the total potential tributary storages on the Similkameen in Canada of 228,000 acre-feet would not be nearly

sufficient to meet the 1948 flood storage requirements of 660,000 acre-feet and would be totally inadequate in meeting the 1,279,000 acre-feet required to control the 1972 flood. Even with the addition of the mainstem storages at Bromley and Ashnola, the total potential storage of 563,000 acre-feet falls short of the 1948 requirements and is only about 44% of the 1972 requirements.

In a report to the International Jointcommission, reference is made to a potential damsite on the Similkameen River at Shankers Bend in the State of Washington. The Shankers Bend High Dam, some five miles upstream from Oroville (Figure 6.1) would provide storage between elevation 1150 and 1289 feet, equivalent to 1,310,000 acre-feet. This would back water almost to Cawston in Canada and would appear to be the size of storage needed to control the record 1972 flood.

Any reduction in the peak flow of the Similkameen River would have beneficial effects on Osoyoos Lake is years of high runoff. For example, restricting the maximum flow in the Similkameen River to 25,000 cfs in 1972 would have required storage of 286,000 acre-feet and would have resulted in the peak elevation of Osoyoos Lake being reduced by 1.6 feet.

However, it is obvious that the cost of providing any storage dams on the Similkameen River either in Canada or the United States cannot be justified only on the basis of the benefits in flood relief around Osoyoos Lake.

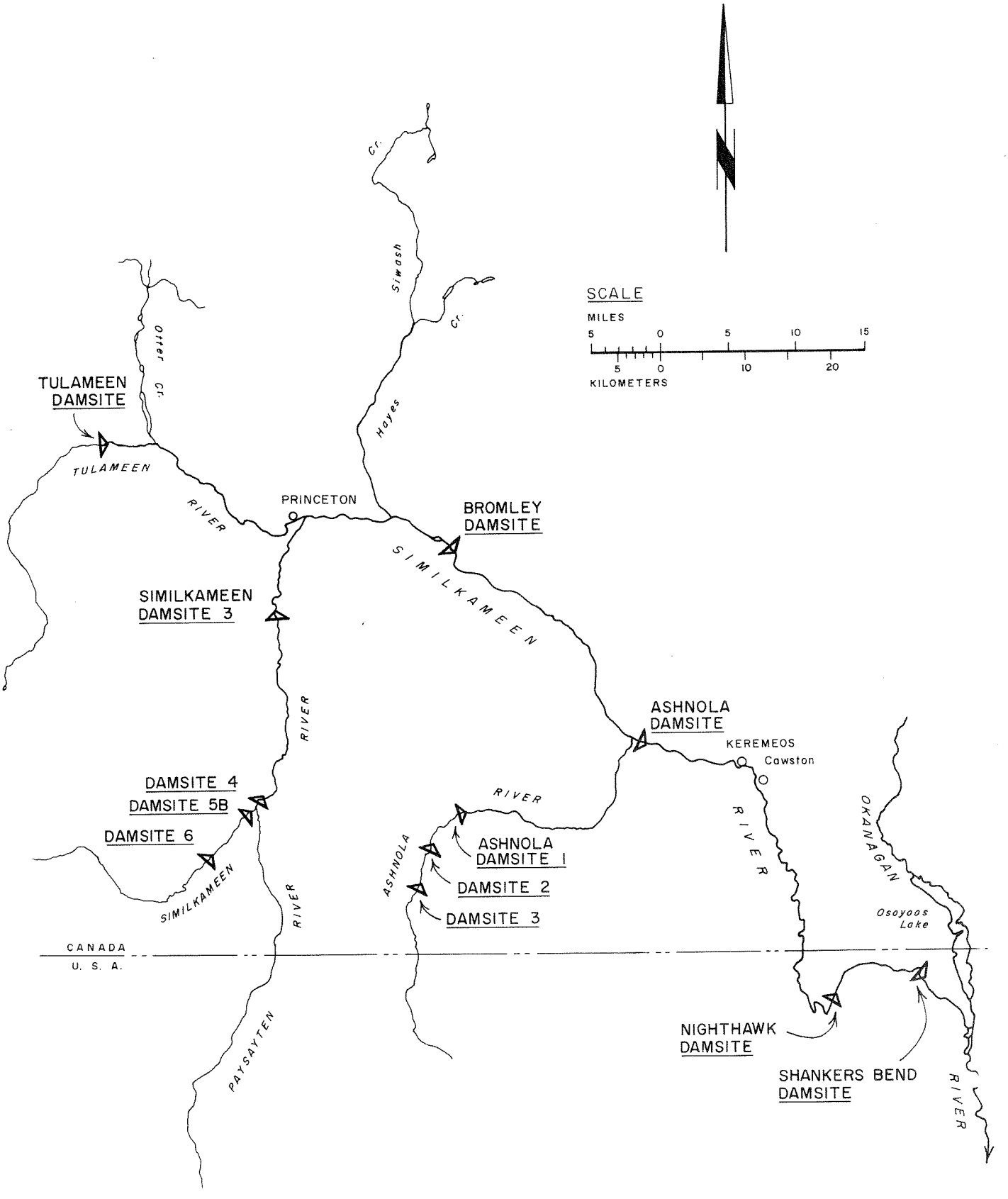
At the present time, the U.S. Army Corps. of Engineers are carrying out a study of the Okanagan River in Washington with respect to flood control which, in time, should provide more information on the regulation of the Similkameen.

a) Osoyoos Lake Dam and Pumping Station

Flooding on and around Osoyoos Lake could be effectively prevented by constructing a dam below the outlet of Osoyoos Lake at Oroville of sufficient height to prevent any reverse flow from the Similkameen River into Osoyoos Lake. A pumping station would be a necessary part of the project in order to lift water entering Osoyoos Lake from the Okanagan River and other tributaries and discharge it over the dam.

The dam would need to be constructed to elevation 925 feet. This would afford protection against backwater from the Similkameen River to elevation 920 (about one foot higher than the level reached on May 29, 1894, the highest known), and give a margin for wave action.

As the annual flood damages around Osoyoos Lake amount to about $25,000,



STORAGE SITE LOCATION MAP
SIMILKAMEEN RIVER

Figure 6.1

such a project would not be economically justified and because of the obvious international complications this project has not been given further consideration.

b) Replacement of Zosel Dam

The present 140 foot long Zosel Dam which accords some degree of low-level control for Osoyoos Lake is nearing the end of its useful life and will probably have to be reconstructed or replaced by a more satisfactory structure. The original purpose of the structure in 1927 was to create a mill pond for log storage. In 1948 it was modified to increase its capacity for passing large flows. The mill pond is no longer used, and the control structure is operated by the company as a public service to maintain the level of the lake during periods of low flow. During Flood periods the structure is inundated and lake levels are controlled by the level of the Similkameen River.

Since regulations concerning the operation of this structure come under the International Joint Commission, further studies of Osoyoos Lake level regulation should be referred to this group to determine what measures need to be taken either in Canada or the United States to:

1) Maintain Osoyoos Lake levels during drought periods.
2) Reduce flood damage around Osoyoos Lake.

c) Permanent Dykes to Protect Built-up Areas Around Osoyoos Lake

Dyking around high-value properties on the lake-shore was explored as a possible solution to the threat of flooding, but was dismissed because of the obviously high cost of construction in relation to the infrequent need for protection. Further, there is little material locally, suitable for building dykes; and it would be difficult to prevent water seeping through the sandy soil on which the dykes would have to be built unless extensive and expensive grouting was carried out. When considered with the length of shoreline that would need protection, the cost of dyking could be far more than property owners might be prepared to pay. The cost of building some 23,300 linear feet of permanent dyke is estimated to be $450,000.

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PART II
SUPPORTING WATER QUANTITY DATA

PART II

Supporting Water Quantity Data

The supporting water quantity data is contained in the six appendices to this Technical Supplement. They are briefly summarized below in order of their occurrence. For greater detail the reader is referred to the introductory material with each appendices. It will be noted that in order to include all water quantity data in this supplement the natural discharges for selected tributaries as well as their regulated flows under 1970 development contained in Technical Supplement 1 has been repeated here. Similarly, the mainstem model results under 1970 development which simulate present management (computer run 33) is contained in both Technical Supplements.

APPENDIX A - "COMPARISON OF RUNOFF WITH WATER REQUIREMENTS IN SELECTED TRIBUTARIES TO OKANAGAN LAKE FOR DRY, AVERAGE AND WET YEARS UNDER 1970 AND 2020 DEVELOPMENTS".

The results from this study are covered in a previous section of this report (Chapter 4). The data covers the natural discharges of the eight most heavily utilized tributaries to Okanagan Lake as well as the regulated discharges under present day (1970) and three projected 2020 development. These monthly discharges obtained by simulation are available as computer print-outs in Appendix A for a number of points along each tributary including locations immediately upstream and downstream of headwater storages, major diversion points, upstream and downstream of the confluence of important subtributaries and at hydrometric stations. The results can be considered first estimates of probable monthly flows with an order of accuracy in the range of ± 20% under dry, average and wet years.

APPENDIX B - "TRIBUTARY FLOW DISTRIBUTION MODEL - DERIVED NATURAL HISTORIC MONTHLY DISCHARGES AT MOUTHS OF 35 TRIBUTARY STREAMS IN OKANAGAN BASIN (1921-1970)

This Appendix contains a brief description of the Tributary Flow Distribution Model used to determine the natural monthly discharges of 35 tributaries in the Okanagan Basin at their confluences for the period 1921-1970. The results are in the form of computer print-outs. While the data is limited to the mouths of each stream it does provide monthly flows over the whole study period (1921-1970). It includes the eight heavily utilized tributaries which were also modelled in detail as described in Appendix A.

Statistical analysis is also available for each of the tributaries showing flow exceedance in percent for the various monthly flows. Mean monthly flows are also shown for the 50 year study period. These are the only statistical analysis carried out with respect to tributary discharges due to the fact that they are the only long-term estimates that have been developed.

APPENDIX C - "SELECTED MAINSTEM WATER QUANTITY MODEL RESULTS - OKANAGAN LAKE ELEVATIONS AND OKANAGAN RIVER DISCHARGES".

This operation model provides monthly Okanagan Lake Elevations and outflows at Penticton over the 50 year study period under present day (1970) and 2020 projected levels of development based on first economic projections, assuming the Okanagan Flood Control Works (constructed during 1950-58) had been in existence since 1921.

In addition the following statistical analysis are provided in computer print form:

1. Percentage of occasions on which Okanagan Lake elevations fall in the range indicated.
2. Percentage of occasions on which discharges from Okanagan Lake fall in range indicated.
3. Percentage of occasions on which discharge from Vaseux Lake Dam fall in the range indicated.

Eight selected computer runs out of a total of over 40 have been selected for inclusion in Appendix C and include the following:

SELECTED COMPUTER RUNS - MAINSTEM MODELLING

Run No.	Development Level	Minimum Flow CFS	Minimum Fishery Flows Met At All Times		Utilization of Design Channel Capacity Percent	Import From Shuswap River	Remarks
			No	Yes			
0	1970	300		x	80	No	
3	1970	100	x		80	No	
4	1970	100		x	80	No	
30	1970	300		x	80	Yes	
33	2020 Projections 1,3,4	300		x	70	No	
37	2020 Projections 1,3,4	300		x	70	No	
38	2020 Projections 1,3,4	100		x	70	No	
42	2020 Projections 1,3,4	300		x	70	No	x Fishery Request Satisfied Partially Only

The model terminates at Hydrometric Station 8NM85 some four miles south of Oliver while the actual analysis as indicated above stopped upstream at Vaseux Lake Dam. Only in the case of Run 33 are print-outs available for Okanagan River discharges at Hydrometric Station 8NM85. In all other instances, statistical analysis data only are shown in the computer print out sheets for Okanagan Lake Elevations and Okanagan River at Penticton and Vaseux Lake Dam.

For the 2020 developments, three projections were developed as follows:

Projection 1	Preliminary Projections later.
Projection 3	Integrated into Projections I, II and III.
Projection 4	

The specifications for each computer run are outlined on the first page of each computer print-out.

APPENDIX D - "GRID SQUARE MODELLING - BASIC AND DERIVED AVERAGE CLIMATIC AND HYDROMETRIC DATA".

This model provides mean monthly temperature, precipitation, evapotranspiration, evaporation and runoff for each point on a five-kilometer square grid covering the Okanagan Basin and can be found as follows:

1. Mean Monthly and Annual Temperatures - Table D-7
2. Mean Monthly and Annual Precipitation - Table D-8
3. Mean Monthly and Annual Evapotranspiration - Table D-9
4. Mean Monthly and Annual Runoff - Table D-10

Mean annual estimates are displayed as isopleths in Figures D-1 through D-4. Mean monthly estimates for any desired Okanagan tributary can be obtained simply by considering those squares covering the particular sub-basin. If fewer than six squares are considered at a time, a subjective evaluation may have to be applied to overcome errors of water balance procedure and grid square physiographic data which were derived from source point (e.g., 9 points per square were extracted). Drought and flood years can roughtly be estimated by applying a known or assumed series of monthly coefficients to the mean monthly distribution derived by the grid square runoff model program. Ideally, the development of climatic data for the grid squares from meteorological models coupled with runoff as determined here should provide the best approach. Time did not permit such integration although both types of models are discussed separately in Technical Supplement II.

APPENDIX E - "SUB-BASIN CHARACTERISTIC MODELLING - BASIC DATA AND RESULTS".

One approach to the regionalizing hydrologic data, the grid square method,

has already been applied to the Okanagan Basin. Another approach is the direct correlation of stream flow characteristics (dependent variables) with basin approach lies in the science of quantitative geomorphology.

The types of equations derived were categorized in four ways for the two years (1971 and 1972) analyzed:

1. Untransformed data
   a) Basin characteristics only
   b) Basin characteristics plus precipitation
2. Log-transformed data
   a) Basin characteristics only
   b) Basin characteristics plus precipitation

The results are shown in Table 2 of Appendix E as derived from the equations contained in Table 9. The computer print-outs for each equation in Table 9 are given in Appendix D.

APPENDIX F - "TABLES OF DERIVED BASIC DATA, MAIN VALLEY LAKES AND OKANAGAN RIVER.

Some 33 tables are contained here of basic and derived data including monthly discharges, lake elevations, evaporation and precipitation. Much of this information, together with water use data has been used in the development of water quantity computer models.

APPENDIX A

A-1 Basis of Study

A-2 The Tributaries (Descriptive)

A-3 Trout Creek Data

A-4 Peachland Creek Data

A-5 Powers Creek Data

A-6 Equesis Creek Data

A-7 Vernon Creek Data

A-8 Kelowna Creek Data

A-9 Mission Creek Data

A-10 Penticton Creek Data

A-11 Okanagan Basin Study - Flows in the Main Tributary Basins

APPENDIX A-1

A-1-1 Introduction

A-1-2 Objectives and Scope

A-1-3 Definitions and Assumptions

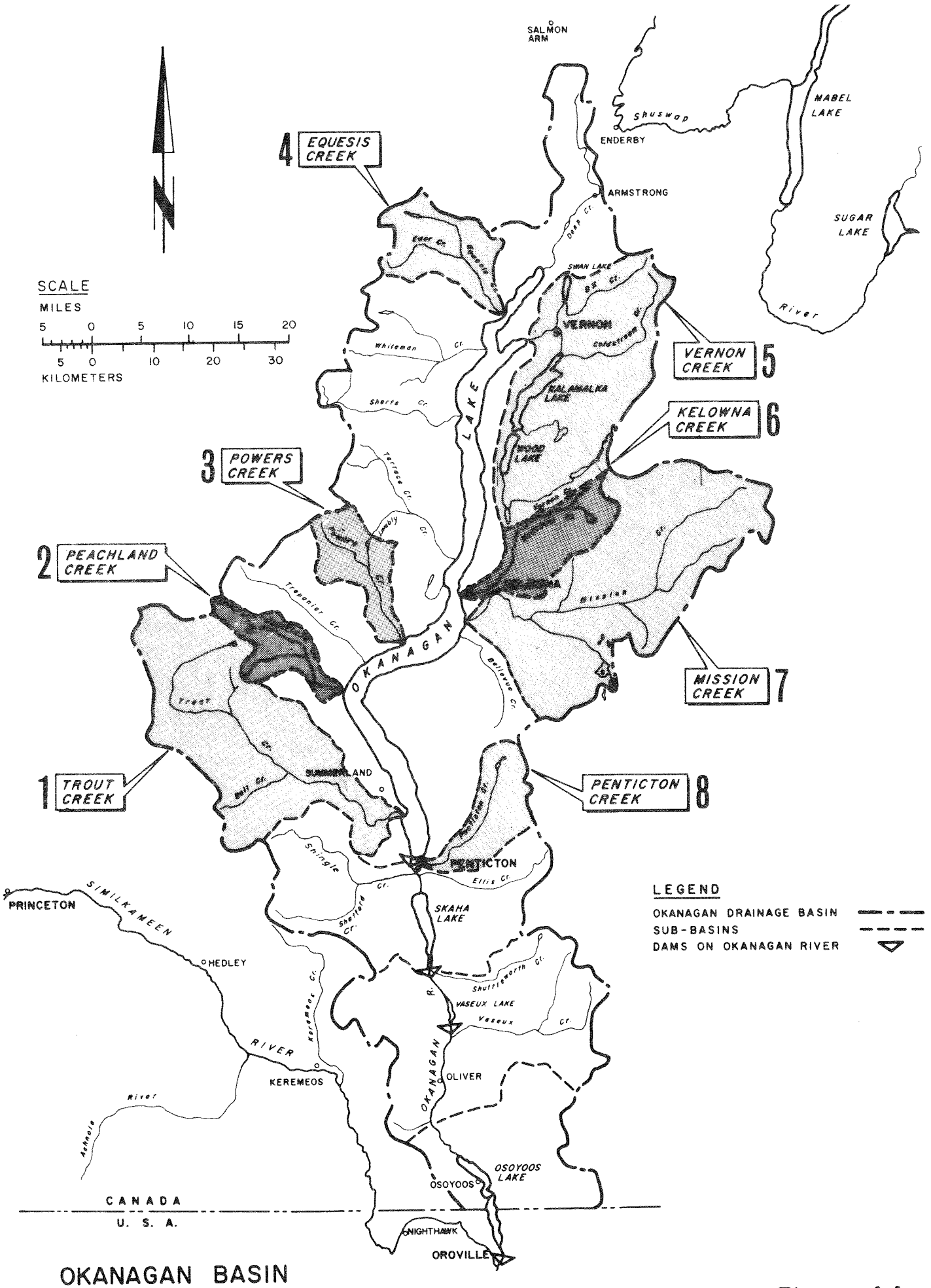
A-1-4 General Approach to the Problem

A-1-5 The Computer Models

A-1-6 Land Use

A-1-7 Storage and Regulation

A-1-8 Fisheries Requirements



OKANAGAN BASIN LOCATION MAP

Figure A.1

APPENDIX A-1

BASIS OF STUDY

A.1.1 INTRODUCTION

Within the Okanagan Basin lies the Okanagan Lake Basin which is 2,340 square miles in extent. Local water requirements in this area are usually met by gravity-fed diversions from upland points in local watersheds rather than by pumping from the lake. Hence, it has been considered advisable, as part of the Okanagan Study, to investigate the individual ability of upland sources to meet the increased water demands anticipated in the future.

The following eight creeks have been selected for detailed study, (Figure A.1):

1) Trout Creek
2) Peachland Creek
3) Powers Creek
4) Equesis Creek
5) Vernon Creek
6) Kelowna Creek
7) Mission Creek
8) Penticton Creek

Since these creeks contain 95 percent of all upland storage tributary to Okanagan Lake and supply 60 percent of total inflow, their analysis is indicative of the basin as a whole. Basic data on all creeks is shown on Figure A.3.

A.1.2 OBJECTIVES AND SCOPE

The following describes the objectives sought for each of the eight creeks under study.

1. The estimation of natural flows under varying climatic conditions (dry year, average inflow year and wet year).
2. Regulation of the natural flows in accordance with present day (1970) procedures for the three types of years in (1) to meet present and future water requirements (2020). The horizon year of 2020 to be considered under three possible conditions of "high growth rate", "medium growth rate", and "low growth rate".
3. Regulation of natural flows in accordance with improved methods of operation to meet present and future water requirements.

The procedure carried out to obtain the input data for the computer models included:

Tributary Basin	Reservoir Name	Capacity ac.ft. (1970 except where stated otherwise)	Rule Curve Values Expressed as a Percentage of Reservoir Capacity											
			J	F	M	A	M	J	J	A	S	O	N	D
Trout Creek	Headwaters	4,003	50	50	50	80	100	100	83	67	50	50	50	50
	Crescent	755	40	40	40	70	100	100	80	60	40	40	40	40
	Whitehead	920	0	0	0	40	100	100	67	33	0	0	0	0
	Thirsk	2,628	20	20	20	30	100	100	73	47	20	20	20	20
	Chapman	131	0	0	0	40	100	100	67	33	0	0	0	0
	Isintok	870	30	30	30	50	100	100	77	53	30	30	30	30
	Munro	80	0	0	0	40	80	100	67	33	0	0	0	0
	Darke	935	60	60	60	80	90	100	87	73	60	60	60	60
	Total (1970)	10,322												
Peachland Creek	Peachland	9,575	45	45	45	45	70	100	82	63	45	45	45	45
	Wilson	81	0	0	0	0	100	100	67	33	0	0	0	0
	Total (1970)	9,656												
Powers Creek	West	62	0	0	0	0	100	100	67	33	0	0	0	0
	Dobbin	104	0	0	0	0	100	100	67	33	0	0	0	0
	Islaht	343	0	0	0	0	100	100	67	33	0	0	0	0
	Paynter	384	0	0	0	0	100	100	67	33	0	0	0	0
	Jackpine	960	50	50	50	50	100	100	83	67	50	50	50	50
	Webber	100	0	0	0	0	100	100	67	33	0	0	0	0
	Lambly	1,801	30	30	30	65	100	100	77	53	30	30	30	30
	Total (1970)	3,754												
Equesis Creek	Pinaus	2,156	35	35	35	35	100	100	78	57	35	35	35	35
	Total (1970)	2,156												
Vernon Creek	Crooked	2,445	90	90	90	100	100	100	97	93	90	90	90	90
	Swalwell	9,585	60	60	60	70	100	100	87	73	60	60	60	60
	Oyama	4,988	60	60	60	70	100	100	87	73	60	60	60	60
	King Edward	1,253	50	50	50	65	100	100	83	67	50	50	50	50
	Kalamalka	13,080	80	80	80	90	100	100	93	87	80	80	80	80
	Aberdeen	9,040	40	40	40	60	100	100	80	60	40	40	40	40
	Haddo	2,037	10	10	10	40	100	100	70	40	10	10	10	10
	Dixon	208	40	40	40	60	100	100	80	60	40	40	40	40
	Swan	2,460	60	60	60	70	100	100	87	73	60	60	60	60
	Goose	1,623	30	50	70	100	100	90	70	50	30	30	30	30
	Total (1970	46,719												
Kelowna Creek	Postill	4,063	60	60	60	80	100	100	87	73	60	60	60	60
	South	400	60	60	60	80	100	100	87	73	60	60	60	60
	Moore (1980)	1,000	60	60	60	80	100	100	87	73	60	60	60	60
	James	1,112	30	30	30	50	100	100	77	53	30	30	30	30
	Scotty	140	0	0	0	0	100	100	67	33	0	0	0	0
	Total (1970)	5,715												
Mission Creek	Mission	600	0	0	0	0	0	100	67	33	0	0	0	0
	Graystoke	2,107	0	0	0	0	0	100	67	33	0	0	0	0
	Fish Hawk (1980)	1,700	0	0	0	0	0	100	67	33	0	0	0	0
	Loch Long	400	0	0	0	0	0	100	67	33	0	0	0	0
	Ideal	5,475	50	50	50	50	100	100	83	67	50	50	50	50
	Hydraulic #9	231	0	0	0	0	30	100	67	33	0	0	0	0
	Haynes	881	0	0	0	0	100	100	67	33	0	0	0	0
	McCulloch	7,555	30	30	30	50	100	100	77	30	30	30	30	30
	Long Meadow	153	0	0	0	0	100	100	67	33	0	0	0	0
	Browne	454	0	0	0	0	100	100	67	33	0	0	0	0
	Fish	125	0	0	0	0	100	100	67	33	0	0	0	0
	Canyon (1980)	304	15	15	15	15	15	100	72	43	15	15	15	15
	Total (1970)	17,981												
Penticton Creek	Penticton	0	0	0	0	0	0	0	0	0	0	0	0	0
	Corporation	0	0	0	0	0	0	0	0	0	0	0	0	0
	Greyback	10,240	50	50	50	50	80	100	83	67	50	50	50	50
	Howard	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total (1970)	10,240												

EXPLANATION: FOR ANY GIVEN MONTH—

1. WHEN RULE CURVE VALUE IS EXCEEDED, ALL EXCESS WATER IS RELEASED.
2. WHEN RULE CURVE VALUE IS NOT ACHIEVED, ONLY STATED WATER REQUIREMENTS ARE RELEASED.

RULE CURVE VALUES FOR STORAGE OPERATION Figure A.3

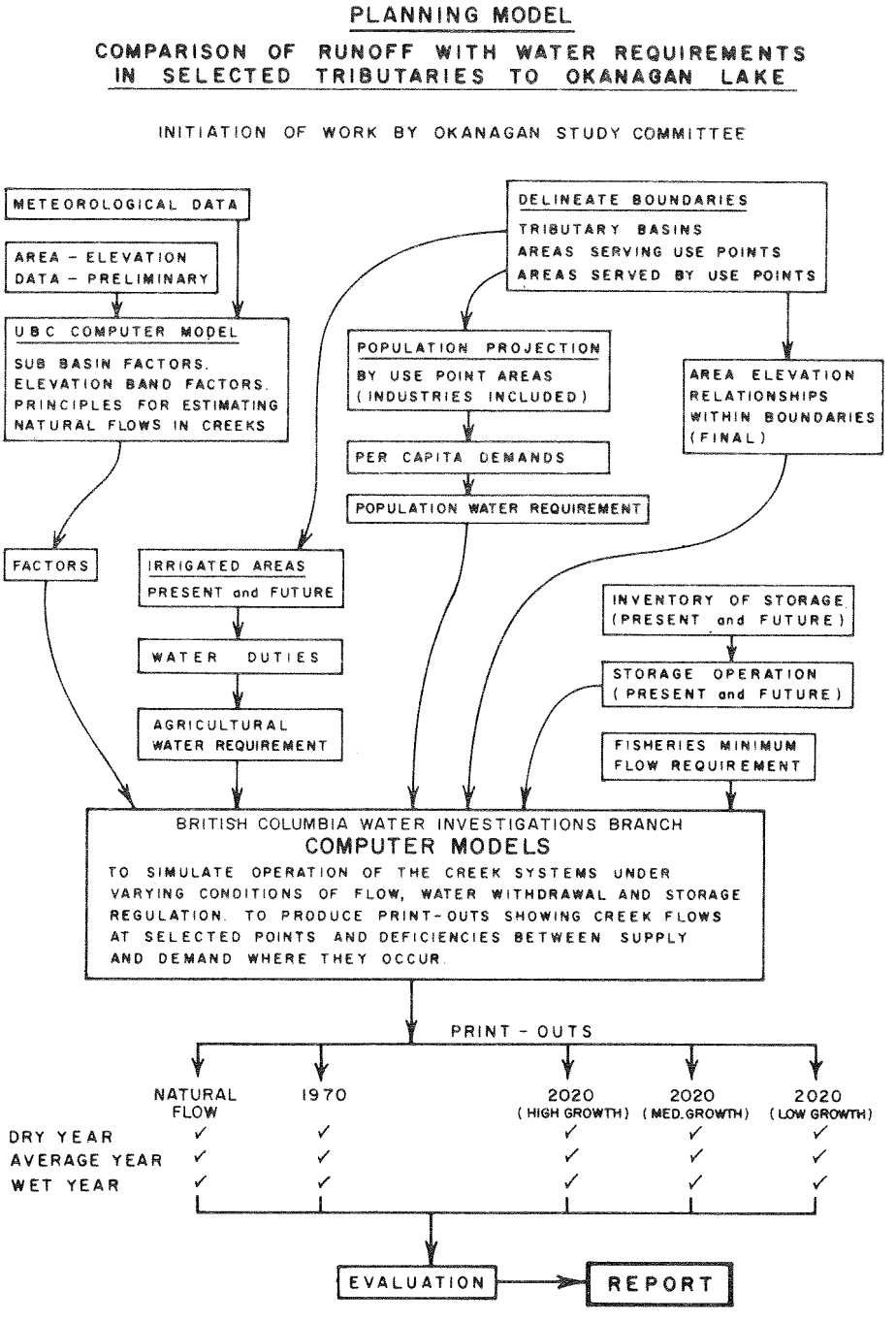
1. The determination of the water requirements for agriculture, domestic and industrial purposes under present and future developments. Special attention was given to the points of diversion (use points) in upland areas.
2. Inventory of present storage reservoirs, their capacities and regulation practice as well as potential storages that are planned for future developments.
3. Determination of minimum flows required for the maintenance or enhancement of fisheries. The computer models for each of the tributaries simulated the natural and regulated flows under varying conditions, water withdrawals and storage regulations and provide print-outs showing the flows at selected points together with deficiencies between supply and demand, where they occurred.

The scope of the project is ambitious in that it estimates monthly flows in each of the eight creeks at a number of upland points and under a variety of conditions. Because of the complexity of the problem and the number of interacting variables involved, there is a tendency to wander down avenues of exploration leading to even greater complexity. In an effort to achieve a reasonable degree of clarity of presentation, the number of development stages has been limited to five and the types of year to three. Even with these constraints, the number of complete creek flow profiles prepared for Part II is 5 years x 3 conditions x 8 creeks = 120 print-outs.

A graphical presentation of the foregoing is provided by the Planning Model as shown on Figure A.2.

A.1.3 DEFINITIONS AND ASSUMPTIONS

1. Acre-foot - A unit of volume measurement. Acre of water one foot in depth. 43,560 cubic feet.
2. Diversion - The removal of water by artificial means from a surface source.
3. Diversion Duty - The amount of water required to be diverted at the point of diversion to meet a specified demand.
4. Consumptive Water Use - The portion of diverted water which does not return to the valley, i.e. is consumed by evaporation, transpiration or absorption by plant tissue. UP = Use Point.
5. Non-Consumptive Use - The type of water use (such as hydro-power production or Fisheries) which returns its entire water requirement to the system from whence it came. CP = Control Point: MP = Measuring Point.



PLANNING MODEL

Figure A.2

6. Return Flow - The amount of diverted water which eventually seeps back to the system from which it originated.

7. In this study of tributaries, it is assumed that there will be no return flow, i.e. irrigation water, once applied, will be either consumed or flow directly to Okanagan Lake as groundwater without making reappearance within the sub-basin. This is a conservative assumption.

8. Using records where available and estimates where not, the Civil Engineering Department at the University of British Columbia developed mean annual flows for each sub-basin for the period 1921-1970. If these flows are ranked by year from dry to wet, then:

   DRY YEAR = a typical composite of the five driest years and roughly equivalent to 1970.

   AVERAGE YEAR = a typical composite of the five years ranking closest to the average and roughly equivalent to 1971.

   WET YEAR = a typical composite of the five wettest years and roughly equivalent to 1948, and possibly 1972.

   The above data formed the basis for arriving at dry average and wet year runoff for various elevations in eight selected tributaries.

9. Diversion water duties used in this study are equal to or slightly higher than those recommended by the Department of Agriculture for the specific soil and/or allocated by water licence, i.e.:

Trout Creek annual diversion water duty	3.03 feet
Peachland	3.03 feet
Powers	3.03 feet
Equesis	2.75 feet
Vernon - Winfield and Wood Irrigation Districts	3.03 feet
Vernon - Others	1.80 feet
Kelowna - Glenmore Irrigation District	2.20 feet
Kelowna - Others	3.03 feet
Mission	3.03 feet
Penticton	3.03 feet

10. Water diversions into or out of the watershed are recognized and their effect estimated as accurately as possible.

11. Domestic water consumption in year 2020 is based on 220 gallons per capita per day.

12. Reservoir operation as used in computations, treats each reservoir as an individual and attempts to emulate current practice. Incomplete data collected between 1964 and 1971 was available for this purpose.

13. Deficiency - this is the amount by which the water requirement, either consumptive or non-consumptive, exceeds the water supply at the point indicated. It appears as a percentage on the Deficiency Diagrams and as absolute values on the computer print-outs. In the latter case, because flows cannot be less than zero, deficiencies are not carried from one point to another. Deficiencies are, however, totalled at the foot of each column to indicate the overall shortage of water for a particular month.

14. Natural flows, as calculated, ignore the natural regulation which would have existed in pristine, uncontrolled lakes. Since there is no way of knowing the operation of natural lake outlets, it is impossible to estimate natural control. The effect of ignoring natural regulation is considered to be of minor significance.
15. High Growth Rate (2020) - The combination of High Agricultural Growth Rate and High Population Growth Rate.
16. Low Growth Rate (2020) - The combination of Low Agricultural Growth Rate and Low Population Growth Rate.
17. Medium Growth Rate (2020) - The combination of Medium Agricultural Growth Rate and Medium Population Growth Rate.
18. There is no differentiation between Indian and non-Indian lands.

A-1-4 GENERAL APPROACH TO THE PROBLEM

Any method of approaching the stated objectives of the Study which would provide truly accurate and reliable results would require the ammasing of large quantities of statistical information on creek flows, storage regulation, land use, water requirements, etc., for past, present and future development conditions. Much of this is simply not obtainable by direct means and resort must be made to informed estimates, and sometimes guesses.

Because of the small number of hydrometric stations, meteorological stations and snow courses available for the study of such diverse area, observation must be complemented in large measure by theory and estimation.

The backbone of all investigations is a computer model which has been developed for each creek. Print-out from the basic model provides estimated flow data for "natural" or "virgin" flows at a number of selected points along the subject creek and its tributaries. Variations of the model are made for a number of conditions, e.g., dry, average, or wet years. Upon these basic models, it is then possible to impose loads and constraints, e.g., storage regulation, water diversion to or from the system, minimum flow constraints for Fisheries' requirements and so on. Computer print-outs showing residual flows after all loads and constraints have been applied are called "regulated" flows and form the basis for determining if and where a water "deficiency" will occur.

An evaluation of the computer print-outs completes the goals of the report. Reference may be made to the Planning Model shown on Figure A.2.

A-1-5 THE COMPUTER MODELS

Reference is made to the Planning model as shown in Figure A.2. On this, it may be seen that there are two separate and intrinsically different computer models, which together, make the heart of this study. The first has been prepared by the University of British Columbia Civil Engineering Department and is concenred with methods for deriving natural flows. The second, prepared by Water Investigations Branch personnel, concentrates on detailed emulation of the creek system and its flows under the influence of Man.

It is emphasized, however, that the modified operation shown is the result of a redimentary and preliminary model and should not be regarded as a recommended method for multi-purpose operation.

A.1.6 LAND USE

In order to estimate the amount of water withdrawn from the creeks, it is first necessary to determine the use to which the land is put, emphasis being on its water demand. Consumptive water requirements in upland areas are almost entirely for irrigations purposes, while in lower areas demands for domestic water are high. Non-consumptive water requirements are entirely for fisheries and are confined, by current definition, to reaches of the creek which are near its mouth.

(a) Irrigation

Areas considered to be under irrigation at 1970 development, have been derived from two sources:

(i) Provincial ARDA Present Land Use Project mapping which was prepared by Canada Land Inventory, Victoria, released in 1968 and updated to 1970 by the Study Socio-Economic Group.

(ii) The irrigation requirements of small upland areas not covered by Canada Land Inventory mapping have been deduced by some field observations and from existing water licencing data.

(b) Projections for the horizon year of 2020 have been derived using three different basic assumptions for growth rate.

(i) High Agricultural Growth Rate - This is, intentionally, an extremely high growth rate which assumes that all Canada Land Inventory appraisals of land in soil classifications 1 to 4 will come under irrigation.

(ii) Low Agricultural Growth Rate - This is an extremely low estimate of probable land use. It assumes that no new lands will be opened to irrigation and that the total amount of irrigated land will actually fall due to population encroachments on presently irrigated lands.

(iii) Medium Agricultural Growth Rate - This projection is probably closes to what will ultimately become the truth. As its name suggests, it is based on a considered medium course between the high and low rates.

(b) Domestic

Domestic land use (and, hence water use) is taken as a function of population and population density.

(i) In an urban area, its area boundaries are established and its population estimated. Population is then converted directly into domestic water use at the rate of 220 gallons per capita per day.

(ii) In a semi-rural, or "agro-domestic" area, population estimates are again served at the rate of 220 gallons per capita per day. However, this rate would satisfy only an urban-sized lot and not the much larger lots anticipated in an agro-domestic area. Hence for calculation purposes only, it

is assumed that agro-domestic populations occupy land at 10 persons per acre and that areas thus calculated results in net encroachments on otherwise rural (and probably irrigated) lands. The balance is still available for irrigation.

(a) 1970 estimates of land use for domestic purposes are based on a knowledge of existing conditions.

(b) 2020 estimates have been derived using three different basic assumptions for growth rate.

i) High Population Growth Rate - Local growth rates (1966-1971) are known, are high and vary widely from place to place. It is assumed that they will all reduce to a stable 2.25 percent per annum by 1990.

ii) Low Population Growth Rate - A stable growth rate of 1.5 percent per assum, which approximates the current national average, is assumed.

iii) Medium Population Growth Rate - This, the considered average between the two extremes, is considered closest to the growth rate which will actually occur.

(c) Industry

Water use for industry is considered to be of relatively small importance where the tributaries are concerned. Important industrial users such as Hiram Walkers Distillery and Brenda Mines are recognized by the location and demands of possible future industries is impossible to forecast. It is assumed that, if large, industrial demands will be met from Okanagan Lake and, if small, that demands can be absorbed within general population and irrigation requirements.

A.1.7 STORAGE AND REGULATION

Storage

(a) As has been stated, storages in the eight selected tributaries of this report comprise 95 percent of all storages within the Okanagan Lake Basin. These may be summarized as follows:

TABLE A.1

STORAGE IN THE OKANAGAN LAKE BASIN

1970

TRIBUTARY		TOTAL STORAGE (acre-feet)	
Selected Tributaries	Trout	10,322	
	Peachland	9,656	
	Powers	3,754	
	Equesis	2,156	
	Vernon	46,719	
	Kelowna	5,715	
	Mission	17,981	
	Penticton	10,240	
	Sub-Total	106,543	95 percent of Basin Total

Others	Chute Eneas McDougall Duncans Robinson Turnbull Deep	1,012 1,429 705 2,100 823 60 52	
	Sub-Total	6,181	
	TOTAL	112,724	100 percent of Basin Total

Further, it will be seen that since storages in the selected tributaries (106,543 acre-feet) are equal to 17 percent of the average gross annual inflow to Okanagan Lake (628,000 acre-feet), they are of considerable importance to any study of the basin.

Within the time constraints of the study, an evaluation was made of present storage, economically feasible future storage and probable water demand which would encourage new storage to be built. This has resulted in estimates of future storage, particulars of which are given in the detailed analyses of each tributary. In summary form, present and anticipated future storages are as follows:

TABLE A.2

SUMMARY OF PRESENT AND FUTURE STORAGES

BASIN	BASIN AREA acres	NATURAL FLOW AT MOUTH IN AVERAGE YEAR acre-feet	PRESENT STORAGE acre-feet 1970	ESTIMATED FUTURE STORAGE acre-feet 2020
Trout Ck.	185,100	54,443	10,322	13,066
Peachland Ck.	37,800	14,960	9,656	9,540
Powers Ck.	35,300	13,818	3,754	4,820
Equesis Ck.	49,200	17,805	2,156	2,156
Vernon Ck. (including Duteau Ck.)	229,000	67,828	46,719	62,578
Kelowna Ck.	55,400	17,026	5,715	7,277
Mission Ck.	214,000	142,891	17,981	28,761
Penticton Ck.	44,900	34,776	10,240	9,850
TOTAL	850,700	363,547	106,543	138,048

Preliminary estimates of the hydrologic and engineering feasibility of increasing storage at specific sites was obtained by questionnaire to engineers possessing detailed local knowledge.

(b) Regulation

Regulation of storage is considered in two ways:

Historic (null) Operation - This is an attempt to simulate current practice and gives primary consideration to the needs of consumptive water users. Enveloping curves of maximum desirable storage have been developed for each reservoir. In any particular month, where inflow surplus over maximum occurs, that amount is released downstream to meet consumptive uses and provide residual stream flows. When natural inflows to the reservoir do not meet consumptive demands, the precise amount of the consumptive use is released from storage. Hence, as may be seen on the print-outs, there are many occasions where all consumptive uses are met exactly but leave no residual flows in the stream. In practice, such precision of release could not be achieved but it is anticipated that natural return flows, which are ignored in calculations, would make up for any operational imperfections. All the print-outs in this report are based on the historic method of storage operation, as outlined in Figure A.3.

Modified Operation - This method of regulating storage releases attempts to accommodate both Fisheries' minimum flow requirements and consumptive water use requirements. There are so many possible variations to modified operation that it could properly become a study in its own right. This report considers Modified Operation only briefly in the Deficiency Diagrams. The one computer run of many possibilities that has been prepared for this report releases storage, as required, for full consumptive use as first priority and full Fisheries' use as second priority.
In this way, storage is depleted more rapidly than by Historic Operation and, in dry years, consumptive users suffer reduced flows as well as Fisheries.

A.1.8 FISHERIES REQUIREMENTS

By memorandum dated June 20, 1972, G.D. Koshinsky, Research Scientist, Fisheries Research Board of Canada, estimates the minimum flow requirements in tributaries for the propagation of rainbow trout and Kokanee.

For the eight creeks under study here, the minimum flow requirements are as shown on Table A.3. These minimum flows are required only for a limited distance above the mouth of each stream. The actual limit point varies from creek to creek and is indicated on the schematic diagrams contained herein.

The water requirements shown in Table A.3 following, are those recognized throughout this report. In the detailed print-outs their absolute values are subtracted from the estimated residual stream flows for various conditions and the result expressed as a deficiency where and if such should occur.

Deficiency Diagrams are presented which express noted deficiencies as a percentage of the requirements.

It is important to note that the availability of storage and the pattern of its regulation can have a marked effect on whether or not deficiencies will appear. In the report, estimates and projections are made for probable future storage. However, in estimates for the future, the pattern of storage regulation has been kept rigidly to that existing at present. This has been done for two reasons:

1) Reservoirs are operated by their owners primarily for irrigation or other consumptive use purpose. As licencees, their rights are protected by the Water Act.
2) Since the present method of storage regulation is well understood, it forms the best base from which to note potential shortcomings of the system and to evaluate possible remedies.

The above notwithstanding, computer runs have been prepared which attempt to regulate storage releases in a manner that will improve streamflow for Fisheries at minimum cost to consujptive water users. The results of this work are plotted for comparison purposes on the Deficiency Diagrams but should not be taken as recommendations for multi-purpose operation since the model is at a rudimentary stage of development.

TABLE A.3

ESTIMATED MINIMUM WATER REQUIREMENTS FOR FISHERIES IN ACRE-FEET AT MOUTHS OF SELECTED TRIBUTARIES IN OKANAGAN LAKE BASIN

	TROUT	PEACH-LAND	POWERS	EQUESIS	BX UPPER	VERNON		COLD-STREAM	KELOWNA	MISSION
						UPPER	LOWER			
Jan.	600	150	240	360	150	420	480	360	240	1,800
Feb.	600	150	240	360	150	420	480	360	240	1,800
Mar.	600	150	240	360	150	420	480	360	240	1,800
Apr.	600	150	240	360	150	420	480	360	240	1,800
May	900+	300+	300+	600+	240+	600+	600+	480+	300+	2,700+
June	600	150	240	360	150	420	480	360	240	1,800
July	600	150	240	360	150	420	480	360	240	1,800
Aug.	600	150	240	360	150	420	480	360	240	1,800
Sept.	600	270	360	360	150	420	480	360	240	2,400
Oct.	900	270	300	480	240	480	600	480	300	2,400
Nov.	600	150	240	360	150	420	480	360	240	1,800
Dec.	600	150	240	360	150	420	480	360	240	1,800
TOTAL	7,800	2,190	3,060	4,680	1,980	5,280	6,000	4,560	3,000	23,700

APPENDIX A-2

THE TRIBUTARIES
(DESCRIPTIVE)

A-2.1 GENERAL
A.2.2 TROUT CREEK
A.2.3 PEACHLAND CREEK
A.2.4 POWERS CREEK
A.2.5 EQUESIS CREEK
A-2.6 VERNON CREEK
A.2.7 KELOWNA CREEK
A-2.8 MISSION CREEK
A.2.9 PENTICTON CREEK
A-2.10 ALTERNATIVES TO WATER SHORTAGE
A-2.11 SUMMARY AND CONCLUSIONS

APPENDIX A-2

THE TRIBUTARIES
(DESCRIPTIVE)

A-2.1 GENERAL

Reference to the frontispiece will show the eight creeks under study and their relative positions as tributaries to Okanagan Lake. Each creek is given a number, starting at the south and moving clock-wise around the basin. These numbers are of value in locating pertinent data on specific creeks. The creek number also appears as a prefix to all figures pertaining to it.

Basic data in summary form is given for all creeks on Figure A.4 This is an important sheet for readers who do not have time to wade through the subtleties of many detailed figures and tables.

The relative importance of each creek with respect to its water requirement and water deficiency is shown graphically on Figure A.5 It will be noted that Vernon is the dominant basin for water requirement while deficiences are most severely felt by the Kelowna and Vernon basins. In the later case, the deficiency is not considered serious since it occurs in winter when other sources can be made available to serve the domestic needs of the area.

Figure A.6 shows the range of water requirements, from year to year, for all creeks as a group. The total water requirement is separated into its "irrigation" and "population" components. The most important point to be noted here is that population is expected to grow vigourously under all conditions while agricultural development is expected to slow markedly and may even regress.

Water deficiencies, either consumptive or non-consumptive, are expressed as a percentage of the total requirement and illustrated on "Deficiency Diagrams".

Detailed scrutiny of each individual creek follows the same basic pattern. First:

1) Key Map - This is a photo reduction of 1:50,000 mapping upon which all the most important tributary and irrigation district boundaries are

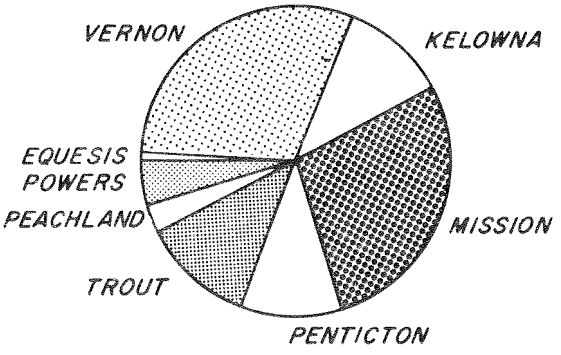
		TROUT CR.	PEACHLAND CR.	POWERS CR.	EQUESIS CR.	VERNON CR.	KELOWNA CR.	MISSION CR.	PENTICTON CR.	TOTALS
Area	Sq. Miles	289	59	56	77	358	86	336	70	1,331
Natural Flow at Mouth Ac.Ft x 100	Dry Year	237	89	80	102	391	99	969	219	2,186
	Av. Year	544	150	138	178	678	170	1,429	348	3,635
	Wet Year	1,220	275	258	341	1,382	343	2,392	582	6,793
Storage (Ac. Ft)	1970	10,332	9,656	3,754	2,156	46,719	5,715	17,981	10,240	106,543
	2020	13,066	9,540	4,820	2,156	62,578	7,277	28,761	9,850	138,048
Area Under Irrigation (Acres)	1970	4,306	617	1,637	356	14,075	4,848	10,135	1,666	37,640
	2020 High	6,274	1,591	1,818	1,282	23,157	8,176	12,371	1,433	56,102
	2020 Med	5,354	1,236	1,719	1,189	20,021	5,905	9,678	1,464	46,566
	2020 Low	3,918	514	1,432	355	13,410	4,446	8,501	1,426	34,002
Population (Persons)	1970	5,960	1,444	3,490	90	24,360	10,420	10,340	18,146	74,250
	2020 High	21,360	4,670	6,510	410	100,050	15,335	48,940	51,850	249,125
	2020 Med	17,380	3,105	5,450	345	83,020	11,802	41,090	48,055	210,247
	2020 Low	13,400	1,540	4,390	280	65,990	8,270	33,240	44,260	171,370
Water Requirement (Diversion) Ac.Ft.	1970	13,384	3,416	5,293	1,021	33,525	12,888	31,814	11,173	112,514
	2020 High	25,169	7,527	7,372	3,613	72,887	26,432	51,315	19,036	213,351
	2020 Med	21,221	6,143	6,757	3,340	62,994	19,086	41,142	18,083	178,766
	2020 Low	15,718	3,536	5,576	1,027	46,115	13,704	35,377	16,924	137,977
Consumptive Use Deficiency in Dry Year Ac.Ft.	1970	0	0	0	0	1,540	2,296	0	0	3,836
	2020 High	2,059	0	111	0	26,301	12,946	8,103	1,517	51,037
	2020 Med	715	0	0	0	18,598	5,781	0	766	25,860
	2020 Low	0	0	0	0	5,649	1,093	0	0	6,742

BASIC DATA - ALL CREEKS

Figure A.4

CONSUMPTIVE USE

WATER REQUIREMENT



TOTAL 112,514 ac.ft. / year

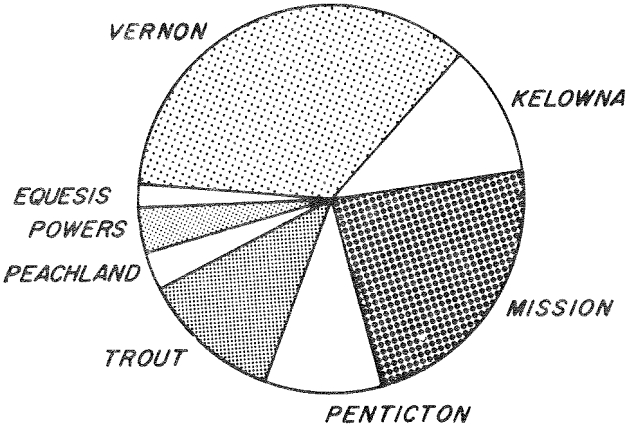
WATER DEFICIENCY

DRY YEAR

1970

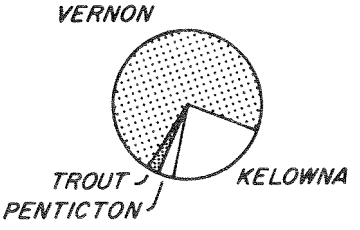


TOTAL 3,836 ac.ft. / year



TOTAL: 178,766 ac. ft./year

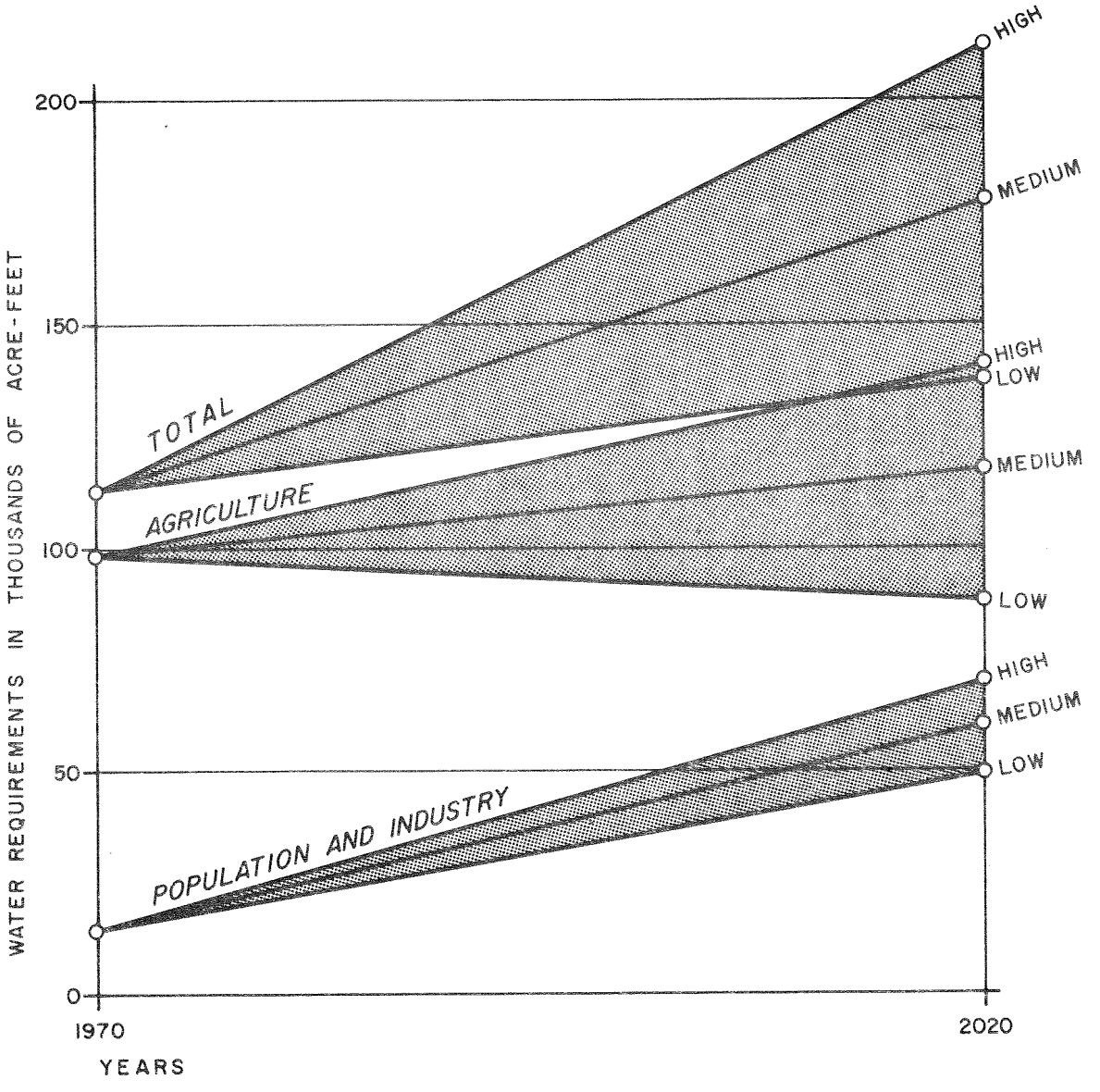
2020
MEDIUM
GROWTH



TOTAL: 25,860 ac.ft./year

DISTRIBUTION OF WATER
REQUIREMENTS AND DEFICIENCIES

Figure A.5



WATER REQUIREMENT acre feet/year	1970	2020		
		HIGH	MEDIUM	LOW
AGRICULTURE	98,392	142,132	117,951	88,007
POPULATION	12,574	69,682	59,270	48,433
INDUSTRY	1,548	1,548	1,548	1,548
TOTALS	112,514	213,362	178,769	137,988

Data for eight selected tributaries, taken collectively.

RANGE OF WATER REQUIREMENTS

Figure A.6

marked. The location of control points (CP), measuring points (MP) and use points (UP) may be noted, also.

2) Schematic - This shows clearly, in diagrammatic form, the way the system operates, noting the relative position of all C.P.'s M.P.'s and U.P.'s.

3) Computer Print-Outs - These provide very detailed information on flows and deficiencies under varying conditions and for all the upstream points shown on the Schematic.

4) Hydrographs of Flows at Mouth - These diagrams illustrate how residual flows in the creeks may be diminished as development and water withdrawal increases. Current minimum Fisheries' water requirements are shown also. Noteworthy are the large water surplusses during freshet (usually May, June, July) falling to increasingly serious shortages in late summer, usually July, August and September.

5) Deficiency Diagrams - These diagrams have been prepared for "Dry" and "Average" years for each creek and for each stage of development, i.e. 1970 and 2020. Consumptive use deficiencies are totals for the whole basin and non-consumptive deficiencies are those at the creek mouth. Deficiencies are given monthly and expressed as a percentage of the total requirement. The results illustrated are based on two types of storage regulation:

   i) Historic Operation, and
   ii) Modified Operation.

   The former copies current procedures while the latter is a rudimentary attempt to operate for optimum multiple purpose use, i.e. Irrigation and Fisheries.

A.2.2 TROUT CREEK (Reference Figure A.7 - A.26; Appendix A-3)

This watershed has an area of 289 square miles, sloping downwards to the east from elevations of around 6,500 feet to Okanagan Lake at 1,120 feet. Its location in a rainshadow area gives it the lowest ratio between precipitation and runoff of all the tributaries studies.

Major water users in the area are:

	Area Irrigated (1970) Acres	Population (1970) Persons
Meadow Valley Irrigation District	456	0
Summerland Municipality	3,482	5,300
Trout Creek Irrigation District	304	0
Others	64	660
	4,306	5,960

As the area develops, it is expected that storages will be increased, where feasible, to meet increased water demands. Estimates of this progression are as shown on the following table.

TABLE A.4

PRESENT AND FUTURE STORAGES ON TROUT CREEK

(acre-feet)

RESERVOIR	1970	2020
Headwaters	4,003	3,900
Crescent	755	1,000
Whitehead	920	1,020
Thirsk	2,628	5,000
Chapman	131	131
Isintok	870	1,000
Munro	80	80
Darke	935	935
Other	-	-
Total	10,322	13,066

Consumptive use deficiencies are expected to be zero up to and beyond 1980. However, non-consumptive (Fisheries) uses suffer severe shortages in a dry year, based on current stated requirements. Even in an average year, residual flow in the stream falls to near zero in August. More sophisticated regulation of storage releases could relieve many of these shortages.

A.2.3 PEACHLAND CREEK (Reference Figures A.27 to A.46, Appendix A-4)

This is a small watershed of only 59 square miles situated just north of Trout Creek.

Peachland Irrigation District is the largest water user, irrigating 585 acres of the 617-acre total in 1970.

Peachland Lake provides the only significant storage in the area and is likely to remain unimproved at 9,540 acre-feet. No consumptive use deficiencies are expected up to 1980 at least. Non-consumptive use deficiencies now appear regularly each summer but could be greatly relieved by improved storage regulation.

A.2.4 POWERS CREEK (Reference Figures A.47 to A.66, Appendix A-5)

This is another small watershed of only 56 square miles but, relative to its size, it possesses a considerable amount of irrigated land. Out of a total of 1,637 currently irrigated acres and 3,490 persons for the watershed, 1,370 acres and 1,566 persons are served by Westbank Irrigation Dist-

rict. Storage in the area is gleaned from a number of small sources:

TABLE A.5

PRESENT AND FUTURE STORAGES ON POWERS CREEK

(acre-feet)

RESERVOIR	1970	2020
West	62	62
Dobbin	104	104
Islaht	343	650
Paynter	384	384
Jackpine	960	960
Webber	100	100
Lambly	1,801	2,560
Total	3,754	4,820

Although no consumptive use water deficiency is anticipated, at least before 1980, the small amount of available storage makes it impossible to relieve all non-consumptive shortages in a dry year even with sophisticated regulation procedures. As may be noted from Figures 3-50, the rough "Modified" operation creates a consumptive use deficiency in August and September but does not succeed in relieving all non-consumptive shortages.

A.2.5 EQUESIS CREEK (Reference Figures A.67 to A.86, Appendix A-6)

This is a small watershed, 77 square miles in extent, dominated by a single large lake which can provide an adequate amount of storage with only 5-1/2 feet of drawdown. Although it seems possible that up to 1,292 acres could be irrigated, the land is on an Indian reservation and only 356 acres are irrigated at present.

Pinaus Lake currently provides 2,156 acre-feet of storage which is adequate for all development in the foreseeable future. This is a prime fishing lake and there are many arguments in favour of preserving the area for its recreational value.

Some water deficiencies for non-consumptive users are apparent in most years but these could be relieved by improved regulation of storage.

A.2.6 VERNON CREEK (Reference Figures A.87 to A.106, Appendix A-7)

Of all the creeks under study, this has the largest watershed (358 square miles) and by far the largest area under irrigation, 14,075 acres in 1970. A large urban and rural population (24,360 in 1970) is also served

in large part by water from this area. The major water users are:

	Area Irrigated (1970) Acres	Population (1970) Persons
Winfield and Okanagan Centre	1,982	1,566
Wood Lake Improvement District	870	155
Vernon Irrigation District	9,000	1,152
South Vernon Irrigation District	240	72
City of Vernon	-	12,920
Totals for major users	12,092	15,865

The high demand for water has resulted in a scramble to develop every economic possibility for increasing water supply by storage and diversion. Development on its present scale would have been impossible without the very significant diversion of Duteau Creek (including Aberdeen and Haddo Lakes) into the Vernon Creek watershed.

Storage reservoirs, which apportion the lifeblood of the area, are as follows:

TABLE A.6

PRESENT AND FUTURE STORAGES ON VERNON CREEK

(acre-feet)

Reservoir	1970	2020
Crooked	2,445	2,440
Swalwell	9,585	9,585
Oyama	4,988	5,055
King Edward	1,253	1,253
Kalamalka	13,080	25,000
Aberdeen	9,040	9,040
Haddo	2,037	2,037
Dixon	208	208
Swan	2,460	2,460
Goose	1,623	2,500
Other: Grizzly Swamp	-	3,000
Total	46,719	62,578

Localized consumptive use deficiencies appear in both dry and average years during the full year. This is due to withdrawals from BX Creek to meet domestic demands. It is understood that this manifested deficiency is not as

serious as it may appear because the demand may be met by pumping from Kalamalka Lake. This small domestic load would make no significant impact on lake storage.

Non consumptive use deficiencies are minor where shown (e.g. Figure 5.40) at creek mouth and may be relieved by modifying storage releases. It is worth noting here that the large volume of Kalamalka Lake provides the opportunity to maintain reasonable flows downstream with small modifications to the control pattern of Kalamalka Lake.

Reference to the computer print-outs, Figures B93, etc., indicate that Fisheries' deficiencies are quite pronounced in the upper reaches of Coldstream and BX Creeks. In most cases, it would appear that the natural supply of water is simply not enough to meet the stated requirements.

A.2.7 KELOWNA CREEK (Reference Figure A107 - A126, Appendix A-8)

This creek has a small watershed of only 86 square miles but, after Vernon and Mission, contains the largest amount of irrigated land. For this reason, of all the creeks under study, it is the most susceptible to water shortage.

In 1970, the area served a population of 10,420 and contained 4,848 irrigated acres. It will be noted that the City of Kelowna is served by Okanagan Lake.

The major water users are:

	Area Irrigated (1970) acres
Ellison Irrigation District	530
Glenmore Irrigation District	2,140
Scotty Creek Irrigation District	908
Bankhead Irrigation District	40
Total	3,618

The present storage system has been considerably improved and strenthened over that existing in 1970 by completion of the Moore reservoir.

Quite serious consumptive use water deficiencies are indicated for all dry years in August and September. It seems possible that these deficiencies

can reach 60 to 80 percent of actual demand. See Figures 6-40 and reference to the print-outs (Figure 6-4) will show that the shortage is due primarily to large diversions to Glenmore Irrigation District which leave the creek short.

Non-consumtive (Fisheries) deficiencies are evident throughout all but the freshet months. However, their demands are only about 23 percent of irrigation demands so it seems probable that their needs could be met, at least partially, by increased storage and modified storage operations.

TABLE A:7

PRESENT AND FUTURE STORAGES ON KELOWNA CREEK

(acre-feet)

Reservoir	1970	2020
Postill	4,063	4,065
South	400	400
Moore	0	1,000
James	1,112	1,112
Scotty	140	140
Other: Conroy Creek	-	560
Total	5,715	7,277

The present storage system has been considerably improved and strengthened over that existing in 1970 by completion of the Moore reservoir.

Quite serious consumptive use water deficiencies are indicated for all dry years in August and September. It seems possible that these deficiencies can reach 60 to 80 percent of actual demand. See Figure 6-40. Reference to the print-outs (Figure A.5) will show that the shortage is due primarily to large diversions to Glenmore Irrigation District which leave the creek short.

Non-consumptive (Fisheries) deficiencies are evident throughout all but the freshet months. However, their demands are only about 23 percent of irrigation demands so it seems probable that their needs could be met, at least partially, by increased storage and modified storage operations.

A.2.8 MISSION CREEK (Reference Figures A.127 to A.146, Appendix A-9)

Second only to Vernon Creek, Mission Creek is the largest of the eight

tributary watersheds under study. It has an area of 336 square miles and, in 1970, served an irrigated area of 10,135 acres. The major water users are:

	Area Irrigated (1970) Acres	Population (1970)
South East Kelowna Irrigation District	3,433	600
Black Mountain Irrigation District	4,478	2,196
Brent Davis	107	108
Rutland Water Users Community	-	4,568
Total	8,018	7,472

Storage development is well advanced, important improvements having been completed since 1970. The present and projected situation is as follows:

TABLE A.8

PRESENT AND FUTURE STORAGES ON MISSION CREEK

(acre-feet)

RESERVOIR	1970	2020
Mission	600	600
Graystoke	2,107	5,000
Fish Hawk	0	1,700
Loch Long	400	1,000
Ideal	5,475	5,475
Hydraulic #9	231	2,000
Haynes	881	11,950
McCulloch	7,555	
Long Meadow	153	153
Brown	454	454
Fish	125	125
Canyon	0	304
Other	-	-
Total	17,981	28,761

With present methods of operation, consumptive water users appear to be in no danger of water shortage.

Historic methods of storage operation result in marked deficiencies for non-consumptive users in nearly every month, particularly July, August and September. See Figure A130. Even the modified operation shown does not relieve the problem in dry years. Indeed, a consumptive use shortage is created.

A.2.9 PENTICTON CREEK (Reference Figures A.147 to A.166, Appendix A-10)

This is a small watershed of only 70 square miles within which 1,666 acres were irrigated in 1970. The only significant water user is the City of Penticton. There are a number of storage reservoirs in the area, but only one is being operated. (see Table B.9)

TABLE A.9

PRESENT AND FUTURE STORAGES ON PENTICTON CREEK

(acre-feet)

Reservoir	1970	2020
Penticton #1 (1200)		NOT OPERATED
Corporation (155)		NOT OPERATED
Greyback	10,240	9850
Howard (135)	-	NOT OPERATED
Other	-	- -
Total	10,240	9850

No deficiencies have been detected for consumptive users and there are no stated requirements for Fisheries.

A.2.10 ALTERNATIVES TO WATER SHORTAGE

As may be seen from the foregoing, consumptive use water shortages are rare, except in Kelowna Creek. Similarly, non-consumptive use water shortages are common. There are numerous ways in which these problems may be relieved but the best plan will result only after detailed engineering evaluation is made of the alternatives available to solve specific problems.

The following presents a broad outline of the alternatives:

a) Reduce Water Requirements

i) For irrigation, more efficient use of water could reduce the water diversion requirements, e.g. reduce transportation losses by converting from flume to pipeline and check soil moistures more closely to avoid over-irrigation.

ii) For Fisheries, a more detailed look at in-channel water needs might result in a considerable reduction in stated minimum requirements in some months, at least. Modified operation of storage would then have a better chance to maintain minimum requirements throughout the year without recourse to additional storage.

b) Sophisticated Operation of Storage

There is little doubt that sophisticated procedures for the operation of storage would relieve presently-noted non-consumptive water shortages. However, the law of diminishing returns would apply, especially when difficult and costly winter regulation would be required. The matter of storage ownership and priorities would also require consideration.

c) Increasing Storage

This is undoubtedly possible in many places, either by increasing the capacities of existing works or by seeking out new reservoir sites. However, from the viewpoint of current economics, virtually all storage sites are either developed already or under active consideration.

d) Diversions into Watershed

In the Okanagan Valley there are many examples of water being diverted from one watershed to another and some potential diversions are still available for development. In addition to the economics of creating a permanent diversion, it is necessary to consider the impact on the watershed being exploited.

e) Wells

Wells which tap a deep source below normal ground water have been developed (Oyama Irrigation District) but no new potential locations are known.

f) Re-allocation of Water Licences

As development proceeds there will be a tendency for cities to grow near Okanagan Lake and new land to be developed for agriculture at high elevations. The high land, therefore might not qualify for a new licence and rights to use water would have to be purchased from the holder of an old licence. This holder of an old licence would normally divert water at a low elevation but could satisfy his water needs economically by pumping from Okanagan Lake. The concept of licence purchase could be applied equally well for Fisheries' purposes.

g) Pumping from Okanagan Lake

The most obvious answer to water shortage in a tributary is to pump from Okanagan Lake. The decision on whether or not to pump will rest almost entirely on cost. It is unlikely that pumping in excess of 400 vertical feet would be economical for any given situation and other alternatives should be considered.

A.2.11 SUMMARY AND CONCLUSIONS

This appendix has provided a detailed insight into the flows and water withdrawals to be anticipated in eight major tributaries to Okanagan Lake. The accuracy of the estimates of flow are considered to be of a standard equal to a good first approximation, based on sound theory and observation. However, since the amount of observed data has been limited, it is expected that considerable error, say 20 percent, will show up in some areas. The smaller the area under scrutiny, the greater the error to be anticipated. This does not depreciate the value of the report because, without it, there is nothing.

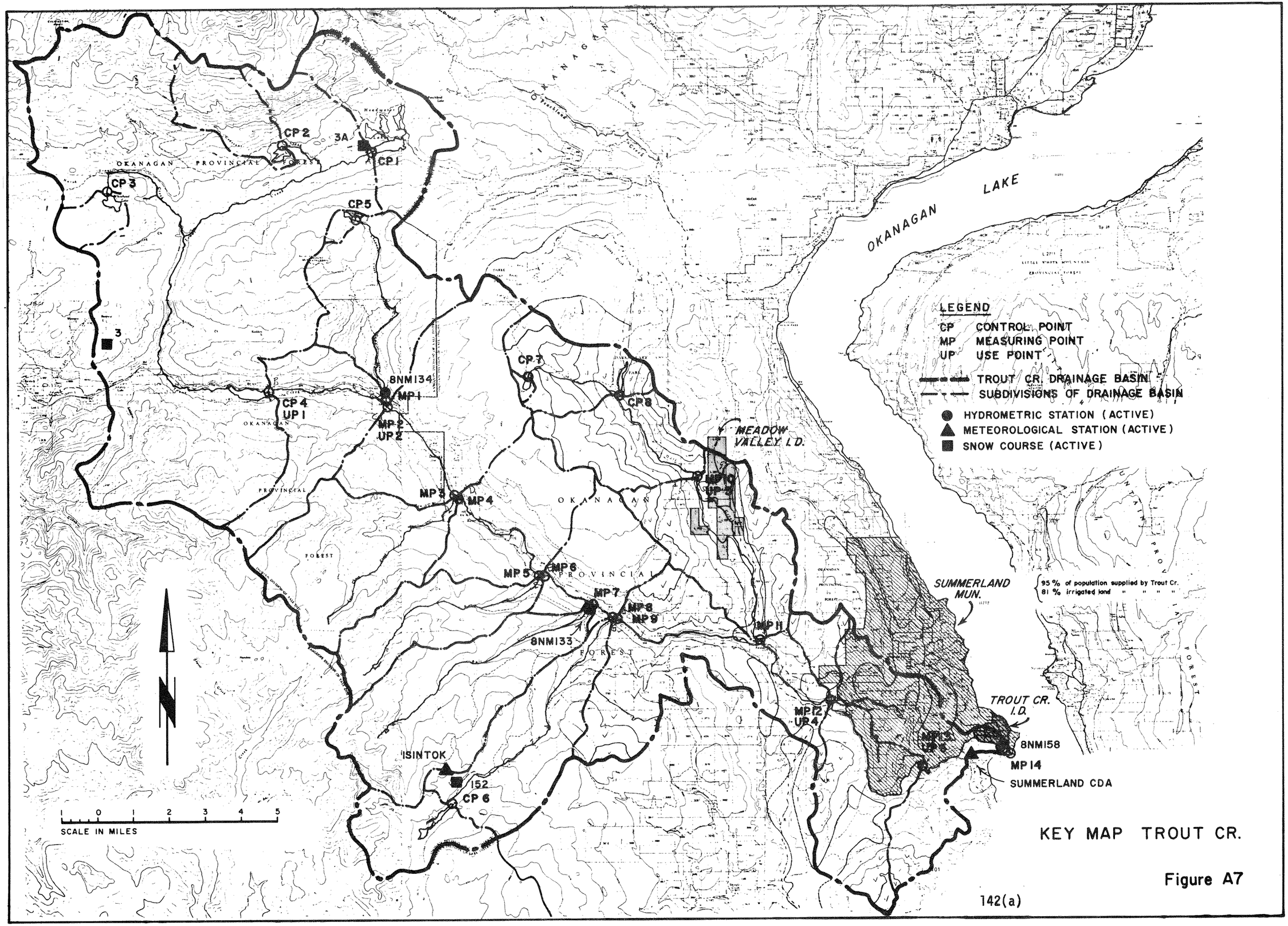
Three types of year have been presented, "dry", "average", and "wet" and five stages of possible development, i.e. "natural 1970, 2020 high, medium and low growth. From this information, it is observed that:

1) With the important exceptions of Vernon and Kelowna Creeks there is little likelihood that serious consumptive use water shortages will exist.
2) Water shortages for non-consumptive uses i.e. Fisheries are considerable and may be found in any year.
3) Presently existing storage accounts for roughly 80 percent of what appears to be the economical maximum for development.
4) If a serious attempt is to be made to meet Fisheries' requirements for water, it will be necessary to operate storage in a sophisticated fashion for multiple purpose use.

It is concluded that, while this report provides a good basic understanding of the creeks studied, it should be regarded primarily as a structure to which new information will be added as it becomes available. All projections into the future should be reviewed and revised at frequent intervals.

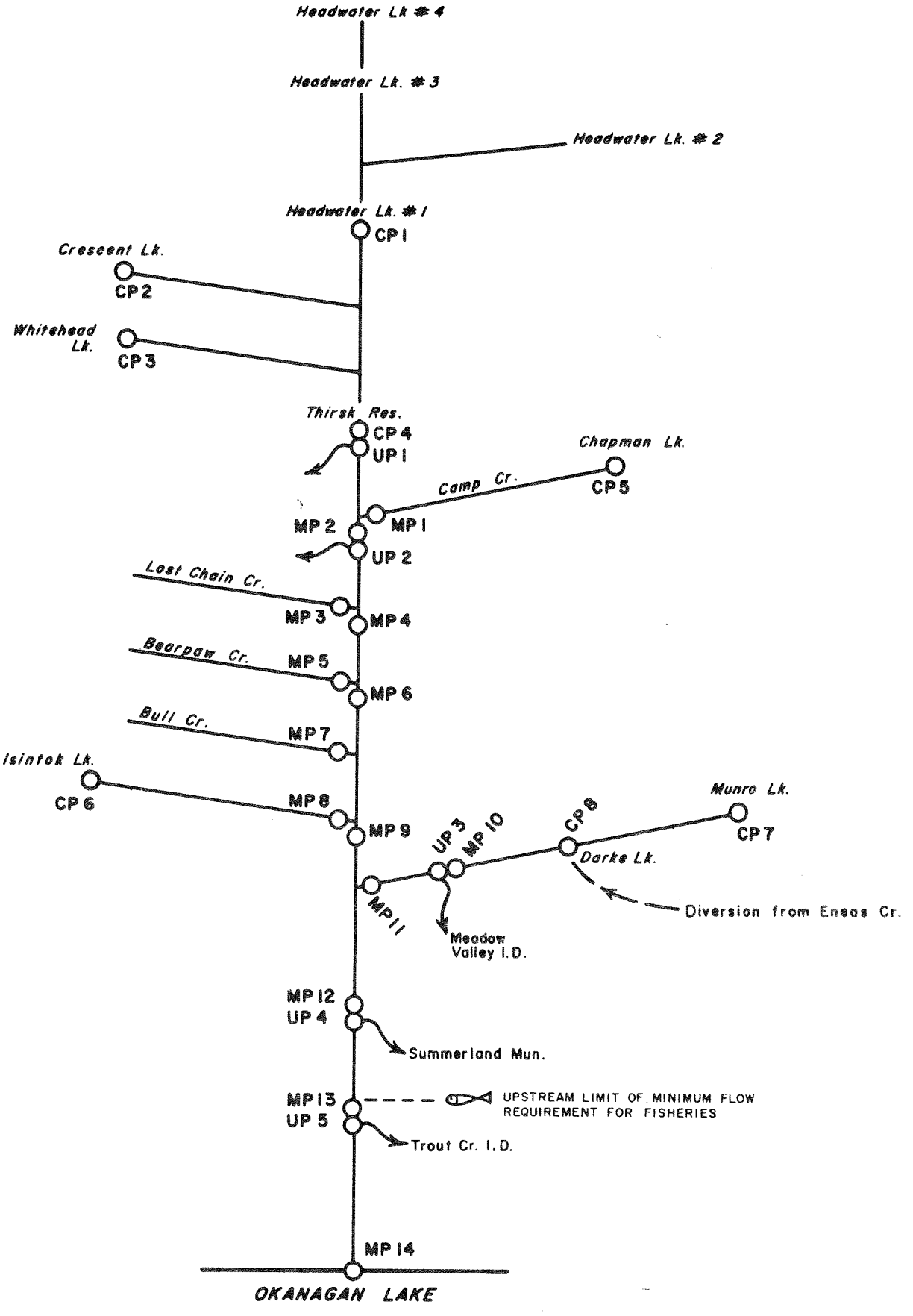
APPENDIX A-3

TROUT CREEK DATA



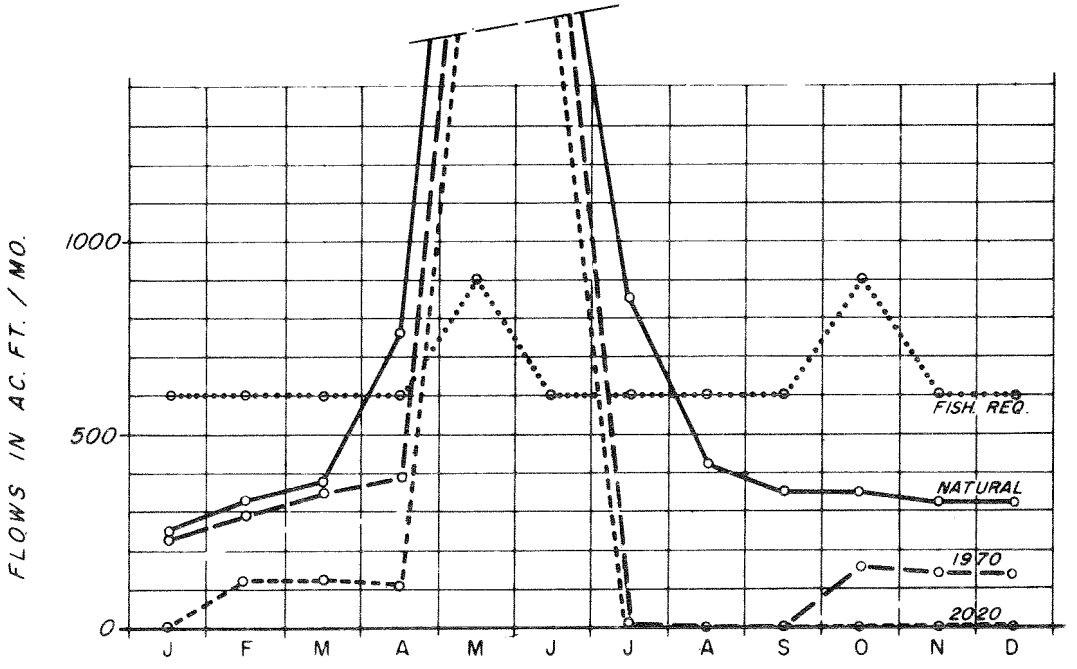
KEY MAP TROUT CR.

Figure A7

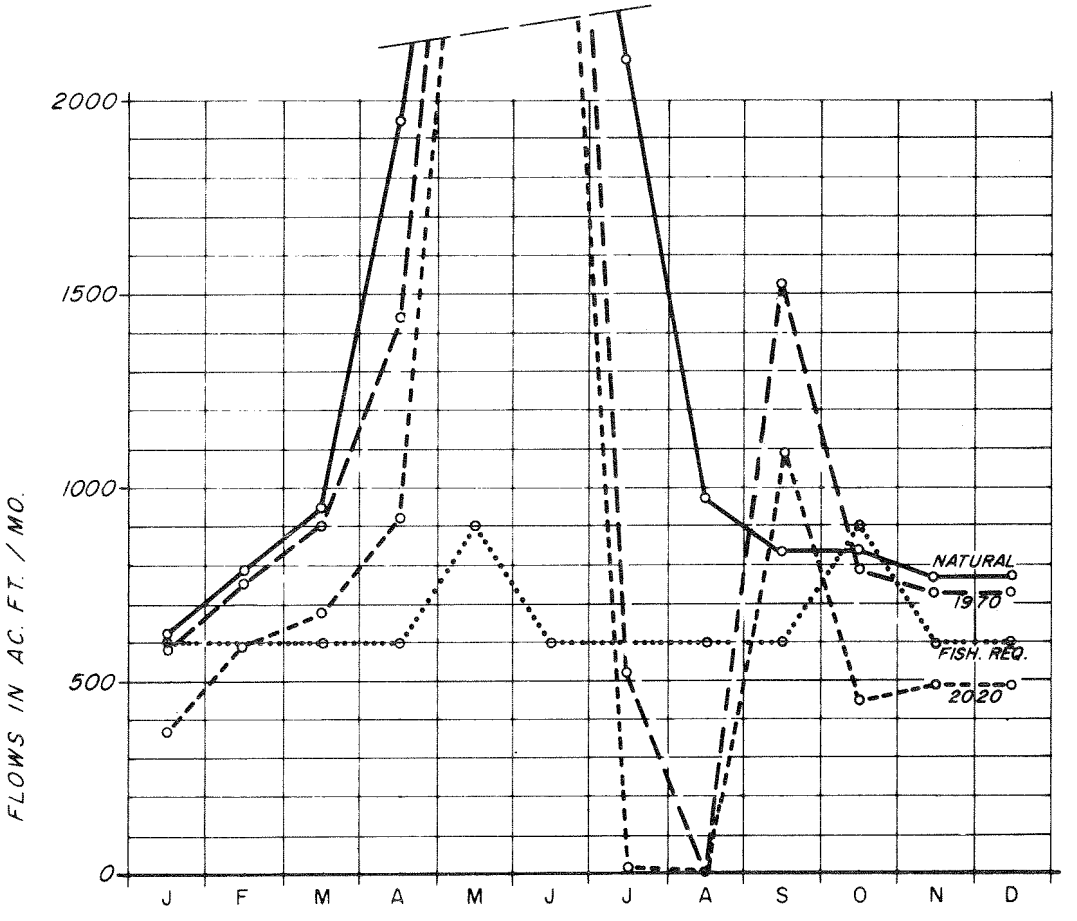


TROUT CR. SCHEMATIC

Figure A.8



DRY YEAR



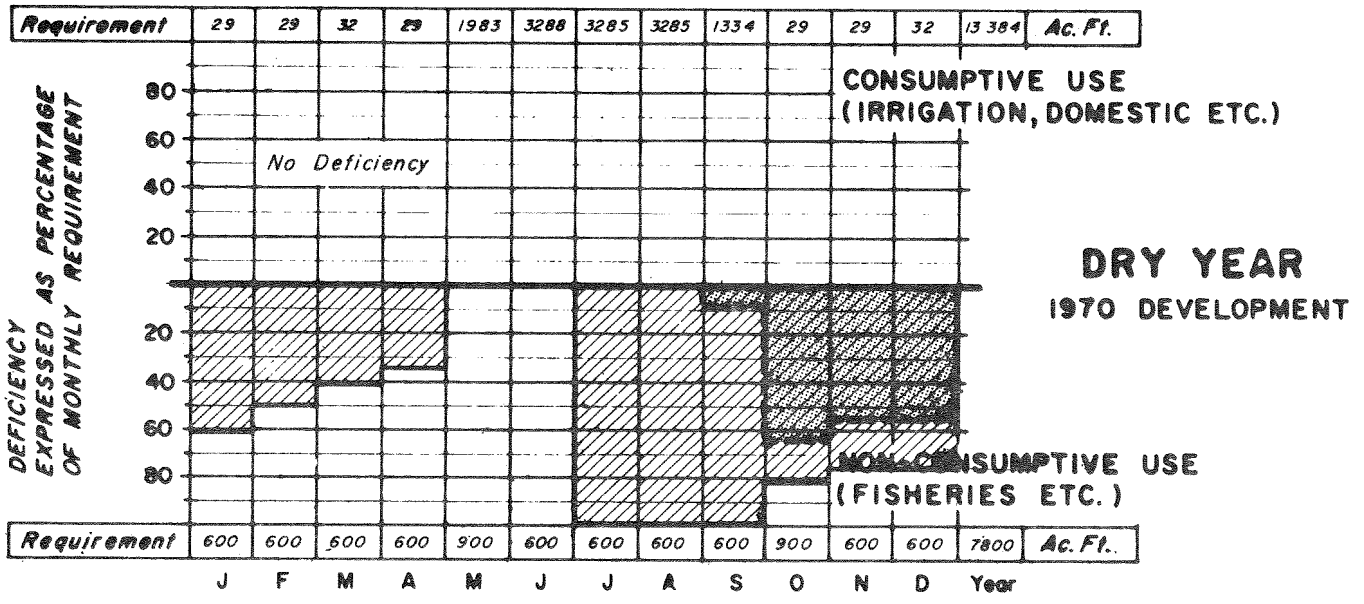
AVERAGE YEAR

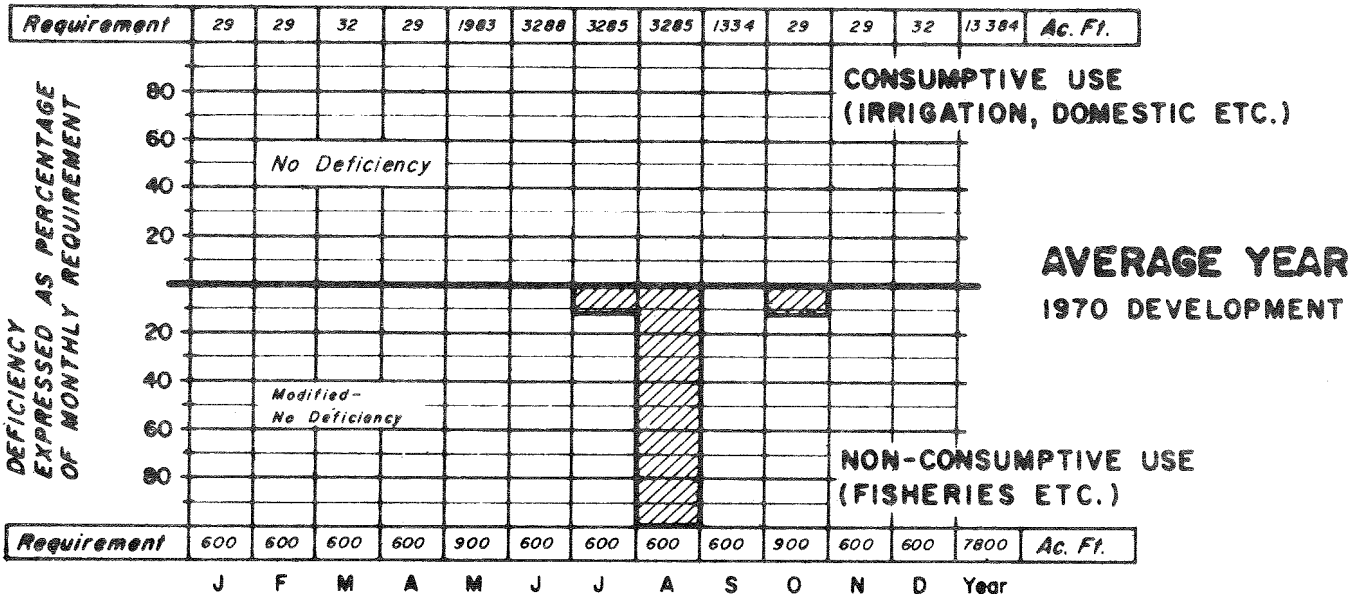
LEGEND

NATURAL FLOW
1970 DEVELOPMENT
2020 DEVELOP (MED. GROWTH)
FISHERIES REQUIREMENT

TROUT CR. (MP 14)
HYDROGRAPHS OF FLOWS AT MOUTH

Figure A.9

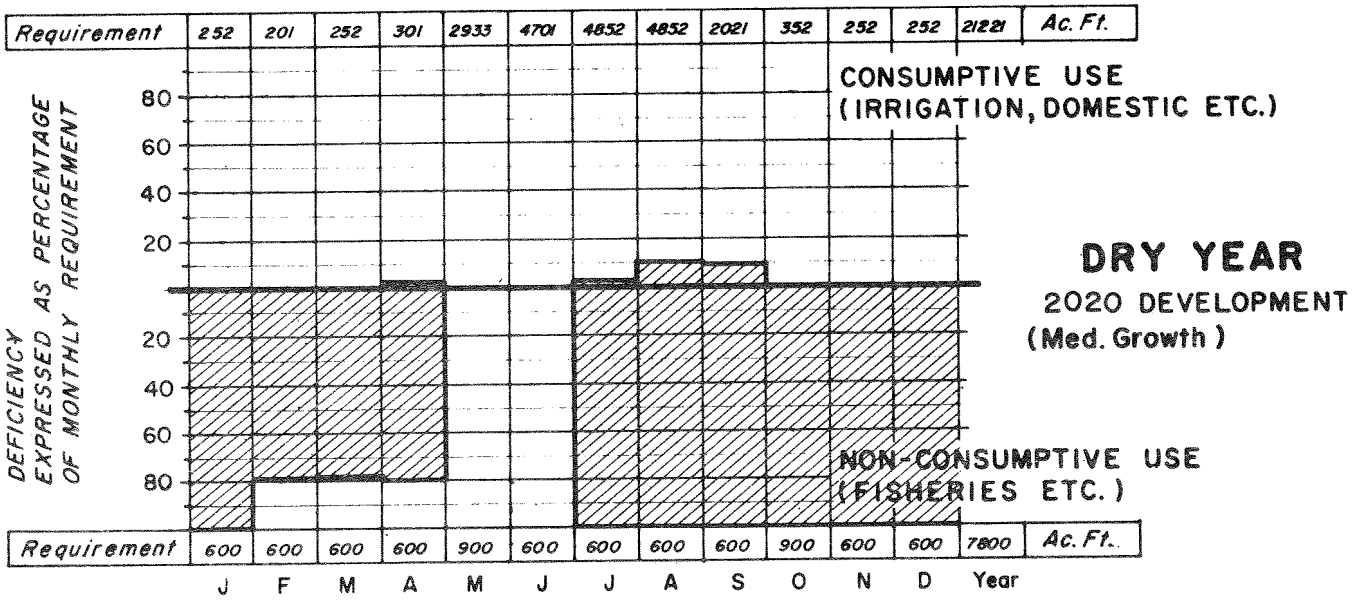


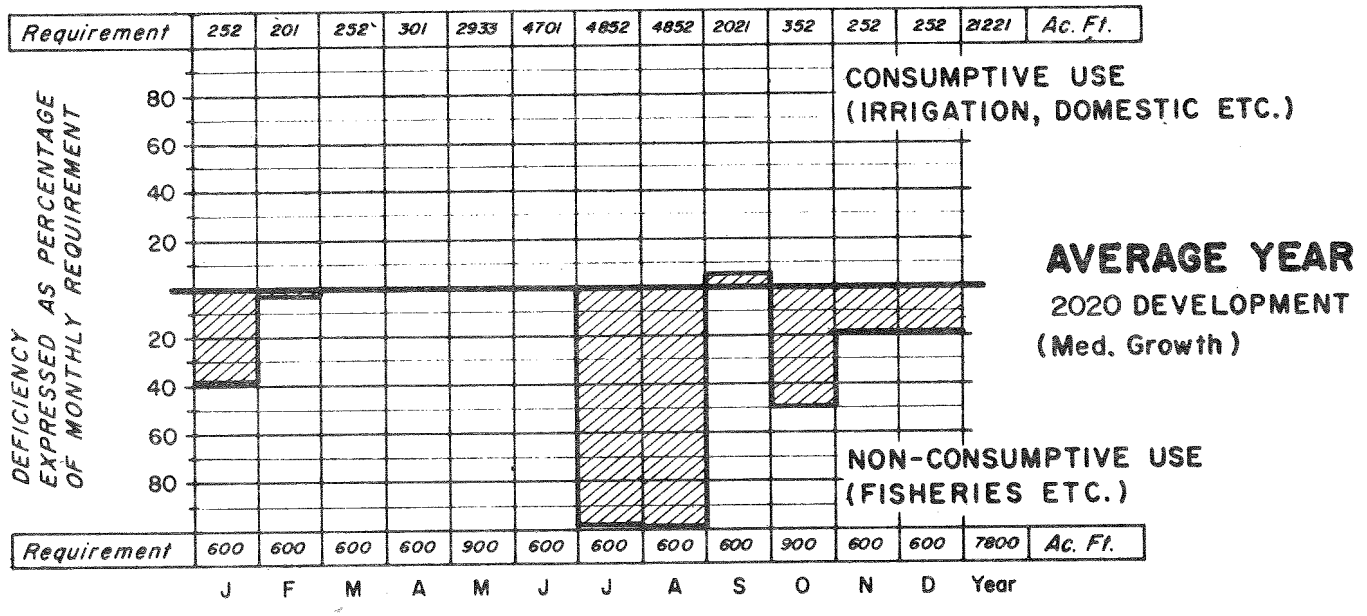


LEGEND
Historic (Simulated) Operation
Modified (Simulated) Operation

NOTES: 1. Consumptive Use deficiencies are totals for whole basin.
2. Non-Consumptive deficiencies are those extant at creek mouth.
3. In a Wet Year, a fisheries deficiency of 0 ac. ft. exists at mouth.

TROUT CR. (1970) DEFICIENCY DIAGRAM Figure A.10





LEGEND ////// Historic (Simulated) Operation

NOTES:
1. Consumptive Use deficiencies are totals for whole basin.
2. Non-Consumptive deficiencies are those extant at creek mouth.
3. In a Wet Year, a fisheries deficiency of 37 ac. ft. exists at mouth in Aug.

TROUT CR. (2020) DEFICIENCY DIAGRAM Figure A.11

Date Of Print-out:
Dec. 7, 1972

LOCATION	AREA IN K.AC.	FLOWS IN AC. FT. J	F	M	A	M	J	J	A	S	O	N	D	YEAR
CPDA 1	6.1	11.	14.	17.	33.	448.	260.	36.	17.	15.	15.	14.	14.	894.
CPDA 2	3.7	6.	8.	8.	18.	464.	320.	22.	13.	10.	10.	8.	8.	895.
CPDA 3	1.5	3.	4.	5.	8.	103.	54.	9.	4.	4.	4.	4.	4.	208.
CPDA 4	60.7	107.	134.	160.	310.	5159.	3187.	355.	180.	151.	151.	134.	134.	10183.
CPDA 5	0.4	1.	1.	1.	2.	65.	47.	2.	2.	1.	1.	1.	1.	123.
MPDA 1	8.1	13.	17.	20.	40.	616.	378.	44.	22.	18.	18.	16.	16.	1218.
MPDA 2	75.8	129.	162.	192.	380.	6226.	3851.	431.	216.	182.	182.	160.	160.	12272.
MPDA 3	9.7	18.	24.	27.	50.	949.	596.	61.	33.	27.	27.	24.	24.	1860.
MPDA 4	97.4	167.	213.	250.	487.	7972.	4905.	558.	280.	236.	236.	210.	210.	15723.
MPDA 5	5.6	10.	14.	16.	29.	439.	256.	34.	17.	14.	14.	14.	14.	871.
MPDA 6	110.3	167.	239.	281.	547.	8719.	5323.	624.	310.	261.	261.	236.	236.	17223.
MPDA 7	11.3	19.	25.	28.	55.	1005.	635.	65.	34.	28.	28.	24.	24.	1970.
CPDA 6	3.4	4.	5.	5.	14.	579.	434.	18.	13.	10.	10.	5.	5.	1099.
MPDA 8	11.3	17.	21.	24.	52.	1280.	882.	62.	36.	29.	29.	21.	21.	2473.
MPDA 9	138.1	230.	293.	343.	675.	11182.	6927.	771.	388.	325.	325.	289.	289.	22035.
CPDA 7	0.3	1.	1.	1.	2.	33.	20.	2.	1.	1.	1.	1.	1.	64.
CPDA 8	4.4	6.	8.	10.	19.	285.	170.	22.	11.	9.	9.	8.	8.	565.
MPDA 10	9.9	13.	17.	20.	41.	498.	282.	44.	19.	17.	17.	16.	16.	1000.
MPDA 11	18.8	16.	21.	25.	53.	575.	318.	55.	23.	20.	20.	20.	20.	1166.
MPDA 12	169.0	253.	323.	379.	756.	11969.	7350.	852.	419.	354.	354.	317.	317.	23644.
MPDA 13	177.4	285.	325.	381.	762.	11997.	7363.	857.	421.	355.	355.	318.	318.	23707.
MPDA 14	185.1	255.	325.	382.	765.	12008.	7368.	858.	421.	356.	356.	319.	319.	23731.

3b3503

TROUT CR. DRY YEAR (NATURAL FLOW)

Figure A.12

Date of Print-out:
Oct. 24, 1972

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2001.	2001.	2001.	2034.	2482.	2742.	2778.	2563.	1748.	1763.	1777.	1791.	
CONTROL POINT	2													
STORAGE		302.	302.	302.	320.	755.	755.	604.	0.	0.	10.	18.	26.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	8.	111.	165.	174.	0.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		526.	526.	526.	777.	2628.	2628.	1502.	0.	0.	122.	230.	338.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	2.	67.	114.	88.	43.	0.	0.	0.	0.	
CONTROL POINT	6													
STORAGE		261.	261.	261.	275.	854.	870.	0.	0.	0.	10.	15.	20.	
CONTROL POINT	7													
STORAGE		0.	0.	0.	2.	35.	55.	54.	26.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		561.	561.	561.	579.	831.	747.	447.	149.	54.	63.	71.	79.	
MEASURING POINT	1													
FLOW		14.	17.	20.	38.	551.	331.	70.	67.	61.	18.	17.	17.	1221.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		169.	213.	249.	175.	5040.	4497.	1767.	2772.	1074.	88.	81.	81.	16205.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		189.	239.	280.	235.	5787.	4915.	1832.	2802.	1100.	114.	107.	107.	17706.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		17.	22.	24.	38.	701.	866.	932.	36.	29.	19.	16.	16.	2716.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		232.	294.	342.	350.	7671.	6503.	2850.	2879.	1164.	168.	154.	154.	22768.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	11													
FLOW		17.	21.	26.	34.	83.	36.	11.	3.	3.	11.	11.	11.	267.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	14													
FLOW		229.	299.	351.	391.	6258.	3768.	2.	0.	0.	160.	146.	143.	11746.
DEFICIENCY (FISH)		371.	301.	249.	209.	0.	0.	598.	600.	600.	740.	454.	457.	4580.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	9.	15.	15.	15.	6.	0.	0.	0.	60.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	9.	15.	15.	15.	6.	0.	0.	0.	60.
FLOW, UPSTREAM		108.	135.	159.	0.	2321.	2874.	1587.	2674.	966.	4.	4.	4.	10835.
FLOW, DOWNSTREAM		108.	135.	159.	0.	2312.	2859.	1572.	2659.	960.	4.	4.	4.	10775.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	20.	33.	33.	33.	13.	0.	0.	0.	132.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	20.	33.	33.	33.	13.	0.	0.	0.	132.
FLOW, UPSTREAM		131.	163.	192.	68.	3314.	3478.	1873.	2741.	1038.	36.	31.	31.	12886.
FLOW, DOWNSTREAM		131.	163.	192.	68.	3294.	3463.	1840.	2708.	1020.	36.	31.	31.	12754.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	207.	345.	345.	345.	138.	0.	0.	0.	1380.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	207.	345.	345.	345.	138.	0.	0.	0.	1380.
FLOW, UPSTREAM		14.	17.	21.	21.	213.	345.	345.	345.	138.	8.	8.	8.	1483.
FLOW, DOWNSTREAM		14.	17.	21.	21.	6.	0.	0.	0.	0.	8.	8.	8.	103.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1580.	2633.	2633.	2633.	1053.	0.	0.	0.	10532.
DEMAND, DOMESTIC		29.	29.	32.	29.	29.	32.	29.	29.	32.	29.	29.	32.	360.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		29.	29.	32.	29.	1609.	2665.	2662.	2662.	1085.	29.	29.	32.	10892.
FLOW, UPSTREAM		257.	325.	380.	612.	7966.	6845.	2887.	2891.	1176.	188.	176.	174.	23474.
FLOW, DOWNSTREAM		228.	296.	348.	383.	6357.	3980.	225.	229.	91.	159.	145.	142.	12582.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	138.	230.	230.	230.	92.	0.	0.	0.	920.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	138.	230.	230.	230.	92.	0.	0.	0.	920.
FLOW, UPSTREAM		229.	298.	350.	389.	6385.	3993.	230.	230.	92.	160.	146.	143.	12664.
FLOW, DOWNSTREAM		229.	298.	350.	389.	6247.	3763.	0.	0.	0.	160.	146.	143.	11724.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		371.	302.	250.	211.	0.	0.	600.	600.	600.	740.	454.	457.	4585.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	1954.	3256.	3256.	3256.	1302.	0.	0.	0.	13024.
DEMAND, DOMESTIC		29.	29.	32.	29.	29.	32.	29.	29.	32.	29.	29.	32.	360.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		29.	29.	32.	29.	1983.	3288.	3285.	3285.	1334.	29.	29.	32.	13384.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TROUT CR. DRY YEAR (1970) Figure A.13

Date of Print—out
Feb. 9, 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		1950.	1950.	1950.	1983.	2431.	2691.	2727.	995.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		400.	400.	400.	418.	882.	1000.	800.	0.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	8.	111.	165.	174.	0.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		1000.	1000.	1000.	1251.	5000.	5000.	1921.	0.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	2.	67.	114.	88.	43.	0.	0.	0.	0.	
CONTROL POINT	6													
STORAGE		246.	251.	256.	270.	849.	1000.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		0.	0.	0.	2.	35.	55.	54.	26.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		561.	561.	561.	579.	645.	246.	0.	0.	0.	9.	17.	25.	
MEASURING POINT	1													
FLOW		14.	17.	20.	38.	551.	331.	70.	67.	61.	18.	17.	17.	1221.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		144.	194.	225.	154.	2669.	3655.	3030.	4165.	952.	202.	187.	187.	15764.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		164.	220.	256.	214.	3416.	4073.	3095.	4195.	978.	228.	213.	213.	17265.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		71.	17.	19.	38.	701.	731.	1062.	36.	29.	29.	21.	21.	2775.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		261.	270.	313.	329.	5300.	5526.	4243.	4272.	1042.	292.	265.	265.	22378.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	11													
FLOW		11.	15.	20.	27.	77.	36.	11.	3.	3.	3.	5.	5.	217.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	14													
FLOW		1.	75.	68.	56.	3035.	1569.	2.	0.	0.	1.	1.	1.	4809.
DEFICIENCY (FISH)		598.	525.	532.	544.	0.	0.	598.	600.	600.	599.	599.	599.	6095.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	9.	15.	15.	15.	6.	0.	0.	0.	60.
DEMAND, DOMESTIC		6.	5.	6.	7.	12.	15.	19.	19.	9.	8.	6.	6.	118.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		6.	5.	6.	7.	21.	30.	34.	34.	15.	8.	6.	6.	178.
FLOW, UPSTREAM		107.	135.	159.	0.	394.	2756.	3589.	4806.	1146.	151.	134.	134.	13511.
FLOW, DOWNSTREAM		101.	130.	153.	0.	373.	2726.	3555.	4772.	1131.	143.	128.	128.	13340.
DEMAND, DEFICIENCY		0.	0.	0.	7.	0.	0.	0.	0.	0.	0.	0.	0.	7.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	417.	696.	696.	696.	278.	0.	0.	0.	2783.
DEMAND, DOMESTIC		18.	14.	18.	21.	35.	46.	57.	57.	26.	25.	18.	18.	355.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		18.	14.	18.	21.	452.	742.	753.	753.	306.	25.	18.	18.	3138.
FLOW, UPSTREAM		124.	158.	186.	68.	1375.	3343.	3696.	4854.	1204.	173.	155.	155.	15481.
FLOW, DOWNSTREAM		106.	144.	168.	47.	923.	2601.	2903.	4101.	898.	148.	137.	137.	12313.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	387.	645.	645.	645.	258.	0.	0.	0.	2580.
DEMAND, DOMESTIC		6.	5.	6.	7.	12.	15.	19.	19.	9.	8.	6.	6.	118.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		6.	5.	6.	7.	399.	660.	664.	664.	267.	8.	6.	6.	2698.
FLOW, UPSTREAM		14.	17.	21.	21.	399.	660.	291.	46.	43.	8.	8.	8.	1537.
FLOW, DOWNSTREAM		8.	12.	15.	14.	0.	0.	0.	0.	0.	0.	2.	2.	53.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	373.	618.	224.	0.	0.	0.	1214.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1832.	3053.	3053.	3053.	1221.	0.	0.	0.	12212.
DEMAND, DOMESTIC		280.	224.	280.	336.	560.	728.	896.	896.	448.	392.	280.	280.	5600.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		280.	224.	280.	336.	2392.	3781.	3949.	3949.	1669.	392.	280.	280.	17812.
FLOW, UPSTREAM		280.	296.	345.	384.	5589.	5668.	4284.	4284.	1054.	304.	279.	279.	23062.
FLOW, DOWNSTREAM		0.	72.	65.	48.	3197.	1887.	331.	339.	0.	0.	0.	0.	5939.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	615.	88.	1.	1.	705.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	201.	336.	336.	336.	134.	0.	0.	0.	1343.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	201.	336.	336.	336.	134.	0.	0.	0.	1343.
FLOW, UPSTREAM		1.	74.	67.	54.	3225.	1900.	336.	336.	1.	1.	1.	1.	5997.
FLOW, DOWNSTREAM		1.	74.	67.	54.	3024.	1564.	0.	0.	0.	1.	1.	1.	4787.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	133.	0.	0.	0.	133.
DEFICIENCY (FISH)		599.	526.	533.	546.	0.	0.	600.	600.	600.	599.	599.	599.	6101.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	2846.	4745.	4745.	4745.	1897.	0.	0.	0.	18978.
DEMAND, DOMESTIC		310.	248.	310.	371.	619.	804.	991.	991.	494.	433.	310.	310.	6191.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		310.	248.	310.	371.	3465.	5549.	5736.	5736.	2391.	433.	310.	310.	25169.
DEMAND, DEFICIENCY		0.	0.	0.	7.	0.	0.	373.	618.	972.	88.	1.	1.	2059.

TROUT CR. DRY YR. (2020) HIGH GROWTH

Figure A.14

Date of Print-out:
Feb. 12, 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		1950.	1950.	1950.	1983.	2431.	2691.	2727.	2511.	1087.	1080.	1094.	1108.	
CONTROL POINT	2													
STORAGE		400.	400.	400.	418.	882.	1000.	800.	0.	0.	0.	8.	16.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	8.	111.	165.	174.	0.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		1000.	1000.	1000.	1251.	5000.	5000.	2679.	0.	0.	0.	35.	70.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	2.	67.	114.	88.	43.	0.	0.	0.	0.	
CONTROL POINT	6													
STORAGE		300.	300.	300.	314.	893.	1000.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		0.	0.	0.	2.	35.	55.	54.	26.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		561.	561.	561.	579.	720.	445.	0.	0.	0.	9.	17.	25.	
MEASURING POINT	1													
FLOW		14.	17.	20.	38.	551.	331.	70.	67.	61.	18.	17.	17.	1221.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		156.	204.	237.	164.	2751.	3785.	2410.	3545.	1439.	226.	142.	142.	15201.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		176.	230.	268.	224.	3498.	4203.	2475.	3575.	1465.	252.	168.	168.	16702.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		17.	22.	24.	38.	701.	775.	1062.	36.	29.	29.	21.	21.	2775.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		219.	285.	330.	339.	5382.	5700.	3623.	3652.	1329.	316.	220.	220.	21815.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	11													
FLOW		14.	19.	23.	31.	77.	36.	11.	3.	3.	7.	8.	8.	240.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	14													
FLOW		5.	127.	131.	122.	3492.	2337.	2.	0.	0.	1.	1.	1.	6219.
DEFICIENCY (FISH)		595.	473.	469.	478.	0.	0.	598.	600.	600.	899.	599.	599.	5910.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	9.	15.	15.	15.	6.	0.	0.	0.	60.
DEMAND, DOMESTIC		3.	2.	3.	3.	6.	7.	9.	9.	4.	4.	3.	3.	56.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		3.	2.	3.	3.	15.	22.	24.	24.	10.	4.	3.	3.	116.
FLOW, UPSTREAM		107.	135.	159.	0.	394.	2756.	2831.	4048.	1575.	158.	77.	77.	12317.
FLOW, DOWNSTREAM		104.	133.	156.	0.	379.	2734.	2807.	4024.	1565.	154.	74.	74.	12204.
DEMAND, DEFICIENCY		0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	3.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	358.	597.	597.	597.	239.	0.	0.	0.	2388.
DEMAND, DOMESTIC		9.	7.	9.	11.	18.	23.	28.	25.	14.	12.	9.	9.	177.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		9.	7.	9.	11.	376.	620.	625.	625.	253.	12.	9.	9.	2565.
FLOW, UPSTREAM		127.	161.	189.	68.	1381.	3351.	2908.	4106.	1638.	186.	101.	101.	14315.
FLOW, DOWNSTREAM		118.	154.	180.	57.	1005.	2731.	2283.	3481.	1385.	172.	92.	92.	11750.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	318.	529.	529.	529.	212.	0.	0.	0.	2117.
DEMAND, DOMESTIC		3.	2.	3.	3.	6.	7.	9.	9.	4.	4.	3.	3.	56.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		3.	2.	3.	3.	324.	536.	538.	538.	216.	4.	3.	3.	2173.
FLOW, UPSTREAM		14.	17.	21.	21.	324.	536.	490.	46.	43.	8.	8.	8.	1537.
FLOW, DOWNSTREAM		11.	15.	18.	18.	0.	0.	0.	0.	0.	4.	5.	5.	76.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	48.	492.	173.	0.	0.	0.	712.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1588.	2647.	2647.	2647.	1059.	0.	0.	0.	10588.
DEMAND, DOMESTIC		237.	190.	237.	284.	474.	616.	758.	758.	379.	332.	237.	237.	4739.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		237.	190.	237.	284.	2062.	3263.	3405.	3405.	1438.	332.	237.	237.	15327.
FLOW, UPSTREAM		241.	314.	365.	398.	5671.	5842.	3660.	3664.	1541.	332.	237.	237.	22502.
FLOW, DOWNSTREAM		4.	124.	128.	114.	3609.	2579.	255.	259.	101.	0.	0.	0.	7175.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	156.	260.	260.	260.	104.	0.	0.	0.	1040.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	156.	260.	260.	260.	104.	0.	0.	0.	1040.
FLOW, UPSTREAM		5.	126.	130.	120.	3637.	2592.	260.	250.	104.	1.	1.	1.	7237.
FLOW, DOWNSTREAM		5.	125.	130.	120.	3481.	2332.	0.	0.	0.	1.	1.	1.	6197.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		595.	474.	470.	480.	0.	0.	600.	600.	600.	899.	599.	599.	5416.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	2429.	4048.	4048.	4048.	1620.	0.	0.	0.	16193.
DEMAND, DOMESTIC		252.	201.	252.	301.	504.	653.	804.	804.	401.	352.	252.	252.	5028.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		252.	201.	252.	301.	2933.	4701.	4852.	4852.	2021.	352.	252.	252.	21221.
DEMAND, DEFICIENCY		0.	0.	0.	3.	0.	0.	48.	492.	173.	0.	0.	0.	715.

TROUT CR. DRY YEAR (2020) MED. GROWTH

Figure A.15

Date of Print-out:
Feb. 16, 1973.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		1950.	1950.	1950.	1983.	2431.	2691.	2727.	2613.	1950.	1950.	1950.	1950.	
CONTROL POINT	2													
STORAGE		400.	400.	400.	418.	882.	1000.	800.	600.	400.	400.	400.	400.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	8.	111.	165.	174.	178.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		1000.	1000.	1000.	1251.	5000.	5000.	3650.	1274.	1000.	1000.	1000.	1000.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	2.	67.	114.	88.	43.	0.	0.	0.	0.	
CONTROL POINT	6													
STORAGE		300.	300.	300.	314.	893.	1000.	106.	0.	10.	20.	25.	30.	
CONTROL POINT	7													
STORAGE		0.	0.	0.	2.	35.	55.	54.	26.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		561.	561.	561.	579.	831.	747.	447.	149.	54.	63.	71.	79.	
MEASURING POINT	1													
FLOW		14.	17.	20.	38.	551.	331.	70.	67.	61.	18.	17.	17.	1221.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		168.	213.	249.	175.	3113.	4379.	2040.	2963.	1574.	235.	211.	211.	15531.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		188.	239.	280.	235.	3860.	4797.	2105.	2993.	1600.	261.	237.	237.	17032.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		17.	22.	24.	38.	701.	775.	956.	142.	19.	19.	16.	16.	2745.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		231.	294.	342.	350.	5744.	6294.	3147.	3176.	1654.	315.	284.	284.	22115.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	11													
FLOW		17.	21.	26.	34.	83.	36.	11.	3.	3.	11.	11.	11.	257.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	14													
FLOW		64.	173.	190.	188.	4149.	3381.	2.	0.	331.	65.	112.	112.	8767.
DEFICIENCY (FISH)		536	427	410	412	0.	0.	598	600	269	835	488	488	5063
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	9.	15.	15.	15.	6.	0.	0.	0.	60.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	9.	15.	15.	15.	6.	0.	0.	0.	60.
FLOW, UPSTREAM		107.	135.	159.	0.	394.	2756.	1860.	2865.	1466.	151.	134.	134.	10161.
FLOW, DOWNSTREAM		107.	135.	159.	0.	385.	2741.	1845.	2850.	1460.	151.	134.	134.	10101.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	20.	33.	33.	33.	13.	0.	0.	0.	132.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	20.	33.	33.	33.	13.	0.	0.	0.	132.
FLOW, UPSTREAM		130.	163.	192.	68.	1367.	3358.	1946.	2932.	1533.	181.	151.	161.	12212.
FLOW, DOWNSTREAM		130.	163.	192.	68.	1367.	3325.	1913.	2899.	1520.	181.	151.	161.	12080.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	207.	345.	345.	345.	138.	0.	0.	0.	1380.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	207.	345.	345.	345.	138.	0.	0.	0.	1380.
FLOW, UPSTREAM		14.	17.	21.	21.	213.	345.	345.	345.	138.	8.	8.	8.	1483.
FLOW, DOWNSTREAM		14.	17.	21.	21.	6.	0.	0.	0.	0.	8.	8.	8.	103.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1417.	2361.	2361.	2361.	944.	0.	0.	0.	9444.
DEMAND, DOMESTIC		193.	155.	193.	232.	387.	503.	619.	619.	309.	271.	193.	193.	3867.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		193.	155.	193.	232.	1804.	2864.	2980.	2980.	1253.	271.	193.	193.	13311.
FLOW, UPSTREAM		256.	325.	380.	412.	6039.	6436.	3184.	3188.	1656.	335.	304.	304.	22829.
FLOW, DOWNSTREAM		63.	170.	187.	180.	4235.	3572.	204.	208.	413.	64.	111.	111.	9818.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	125.	209.	209.	209.	83.	0.	0.	0.	835.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	125.	209.	209.	209.	83.	0.	0.	0.	835.
FLOW, UPSTREAM		64.	172.	189.	186.	4263.	3585.	209.	209.	414.	65.	112.	112.	9580.
FLOW, DOWNSTREAM		64.	172.	189.	186.	4138.	3376.	0.	0.	331.	65.	112.	112.	8745.
DEMAND, DEFICIENCY		0.	0.	0.	9.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		536	428	441	414	0.	0.	600	600	269	835	488	488	5069
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	1778.	2963.	2963.	2963.	1184.	0.	0.	0.	11851.
DEMAND, DOMESTIC		193.	155.	193.	232.	387.	503.	619.	619.	309.	271.	193.	193.	3867.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		193.	155.	193.	232.	2165.	3466.	3582.	3582.	1493.	271.	193.	193.	15718.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TROUT CR. DRY YR. (2020) LOW GROWTH Figure A.16

Date Of Print - out:
Dec 7, 1972

FLOWS IN AC. FT.

LOCATION	AREA IN K. AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR
CPDA 1	6.1	27.	33.	41.	79.	1034.	591.	86.	39.	35.	35.	33.	33.	2065.
CPDA 2	3.7	14.	17.	19.	39.	978.	566.	49.	29.	23.	23.	17.	17.	1890.
CPDA 3	1.5	7.	10.	12.	20.	244.	128.	22.	10.	10.	10.	10.	10.	494.
CPDA 4	60.7	253.	316.	380.	739.	11549.	7023.	834.	410.	350.	350.	313.	313.	22831.
CPDA 5	0.4	1.	1.	1.	4.	132.	96.	5.	4.	3.	3.	1.	1.	252.
MPDA 1	8.1	32.	40.	48.	100.	1402.	843.	108.	50.	43.	43.	39.	39.	2787.
MPDA 2	75.8	308.	385.	461.	918.	13980.	8499.	1021.	495.	423.	423.	379.	379.	27670.
MPDA 3	9.7	41.	55.	63.	115.	2090.	1297.	139.	74.	61.	61.	55.	55.	4105.
MPDA 4	97.4	397.	504.	597.	1176.	17922.	10848.	1319.	641.	546.	546.	495.	495.	35487.
MPDA 5	5.6	24.	32.	37.	69.	1003.	581.	81.	39.	33.	33.	32.	32.	1996.
MPDA 6	110.3	446.	568.	673.	1329.	19696.	11828.	1483.	712.	609.	609.	557.	557.	39069.
MPDA 7	11.3	45.	57.	66.	132.	2225.	1385.	152.	78.	64.	64.	56.	56.	4380.
CPDA 6	3.4	8.	10.	10.	28.	1167.	870.	37.	27.	20.	20.	10.	10.	2215.
MPDA 8	11.3	39.	49.	55.	119.	2716.	1843.	140.	79.	63.	63.	48.	48.	5263.
MPDA 9	138.1	547.	695.	821.	1640.	25104.	15283.	1831.	868.	755.	755.	681.	681.	49684.
CPDA 7	0.3	1.	2.	2.	4.	72.	44.	5.	3.	2.	2.	2.	2.	141.
CPDA 8	4.4	16.	21.	23.	49.	656.	386.	54.	25.	21.	21.	20.	20.	1310.
MPDA 10	9.9	33.	43.	51.	107.	1190.	662.	111.	47.	42.	42.	41.	41.	2410.
MPDA 11	18.8	44.	57.	67.	157.	1448.	780.	153.	58.	53.	53.	52.	52.	2975.
MPDA 12	169.0	615.	781.	924.	1890.	27156.	16357.	2067.	972.	834.	834.	758.	758.	53945.
MPDA 13	177.4	621.	789.	933.	1922.	27289.	16415.	2093.	978.	840.	840.	764.	764.	54250.
MPDA 14	185.1	626.	795.	939.	1944.	27371.	16451.	2111.	982.	844.	844.	768.	768.	54443.

3535U5

TROUT CR. AVERAGE YEAR (NATURAL FLOW) Figure A.17

Date of Print-out:
Oct. 24, 1972

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2001.	2001.	2001.	2080.	3114.	3705.	3322.	2682.	2001.	2001.	2001.	2001.	
CONTROL POINT	2													
STORAGE		302.	302.	302.	341.	755.	755.	604.	453.	302.	302.	302.	302.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	20.	264.	392.	414.	304.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		526.	526.	526.	788.	2628.	2628.	1918.	1235.	526.	526.	526.	526.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	4.	131.	131.	88.	43.	0.	0.	0.	0.	
CONTROL POINT	6													
STORAGE		261.	261.	261.	289.	870.	870.	670.	292.	261.	261.	261.	261.	
CONTROL POINT	7													
STORAGE		0.	0.	0.	4.	64.	88.	54.	26.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		561.	561.	561.	607.	841.	935.	728.	458.	388.	409.	428.	447.	
MEASURING POINT	1													
FLOW		32.	40.	48.	96.	1275.	843.	151.	95.	87.	44.	39.	38.	2789.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		398.	503.	596.	772.	14234.	10081.	2536.	2224.	2417.	548.	498.	498.	35303.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		447.	567.	672.	925.	16008.	11061.	2700.	2295.	2480.	611.	560.	558.	38884.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		38.	49.	55.	91.	2135.	1843.	341.	457.	95.	66.	48.	48.	5264.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		548.	698.	820.	1208.	20835.	14516.	3249.	2849.	2657.	758.	683.	681.	49699.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	11													
FLOW		44.	56.	67.	108.	948.	326.	42.	11.	11.	32.	32.	32.	1708.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	14													
FLOW		597.	763.	905.	1435.	20855.	12335.	526.	4.	1526.	796.	721.	716.	41179.
DEFICIENCY (FISH)		3.	0.	0.	0.	0.	0.	74.	596.	0.	104.	0.	0.	777
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	9.	15.	15.	15.	6.	0.	0.	0.	60.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	9.	15.	15.	15.	6.	0.	0.	0.	60.
FLOW, UPSTREAM		254.	317.	379.	339.	8017.	6304.	2056.	1995.	2195.	350.	316.	314.	22836.
FLOW, DOWNSTREAM		254.	317.	379.	339.	8008.	6289.	2041.	1980.	2189.	350.	316.	314.	22776.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	20.	38.	33.	33.	13.	0.	0.	0.	132.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	20.	38.	33.	33.	13.	0.	0.	0.	132.
FLOW, UPSTREAM		309.	385.	460.	514.	10112.	7765.	2271.	2110.	2306.	424.	381.	379.	27616.
FLOW, DOWNSTREAM		309.	385.	460.	514.	10292.	7732.	2238.	2077.	2293.	424.	381.	379.	27484.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	207.	345.	345.	345.	138.	0.	0.	0.	1380.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	207.	345.	345.	345.	138.	0.	0.	0.	1380.
FLOW, UPSTREAM		33.	42.	51.	58.	897.	553.	345.	345.	138.	21.	21.	21.	2524.
FLOW, DOWNSTREAM		33.	42.	51.	58.	690.	208.	0.	0.	0.	21.	21.	21.	1144.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1580.	2633.	2633.	2633.	1053.	0.	0.	0.	10532.
DEMAND, DOMESTIC		29.	29.	32.	29.	29.	32.	29.	29.	32.	29.	29.	32.	360.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		29.	29.	32.	29.	1609.	2665.	2662.	2662.	1085.	29.	29.	32.	10892.
FLOW, UPSTREAM		813.	779.	922.	1609.	22367.	13130.	3371.	2886.	2803.	813.	740.	738.	52593.
FLOW, DOWNSTREAM		586.	750.	890.	1380.	20778.	12471.	711.	224.	1608.	786.	711.	706.	41601.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	138.	230.	230.	230.	92.	0.	0.	0.	920.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	138.	230.	230.	230.	92.	0.	0.	0.	920.
FLOW, UPSTREAM		593.	758.	899.	1413.	20911.	12529.	738.	230.	1614.	792.	717.	712.	41906.
FLOW, DOWNSTREAM		593.	758.	899.	1413.	20773.	12299.	508.	0.	1522.	792.	717.	712.	40986.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		7.	0.	0.	0.	0.	0.	92.	600.	0.	108.	0.	0.	807.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	1954.	3256.	3256.	3256.	1302.	0.	0.	0.	13024.
DEMAND, DOMESTIC		29.	29.	32.	29.	29.	32.	29.	29.	32.	29.	29.	32.	360.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		29.	29.	32.	29.	1983.	3288.	3285.	3285.	1334.	29.	29.	32.	13384.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TROUT CR. AVERAGE YEAR (1970) Figure A.18

Date of Print-out
Feb. 9 , 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		1950.	1950.	1950.	2029.	3063.	3654.	3237.	2613.	1950.	1950.	1950.	1950.	
CONTROL POINT	2													
STORAGE		400.	400.	400.	439.	1000.	1000.	800.	600.	400.	400.	400.	400.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	20.	264.	392.	414.	337.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		1000.	1000.	1000.	1500.	5000.	5000.	3549.	355.	274.	556.	810.	1000.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	4.	131.	131.	88.	43.	0.	0.	0.	0.	
CONTROL POINT	6													
STORAGE		300.	300.	300.	328.	1000.	1000.	0.	0.	0.	20.	30.	40.	
CONTROL POINT	7													
STORAGE		0.	0.	0.	4.	64.	80.	54.	26.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		561.	561.	561.	607.	841.	827.	302.	0.	0.	21.	40.	59.	
MEASURING POINT	1													
FLOW		32.	40.	48.	96.	1275.	843.	131.	93.	87.	44.	39.	39.	2788.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		373.	484.	572.	507.	11983.	9357.	2021.	3995.	1991.	233.	220.	282.	32178.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		422.	548.	668.	660.	13757.	10337.	2765.	4068.	1814.	296.	282.	344.	35759.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		385	49.	55.	91.	2044.	1643.	1141.	79.	84.	44.	38.	38.	5524.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		523.	675.	795.	943.	18493.	13792.	4134.	4262.	1781.	423.	395.	457.	46834.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	11													
FLOW		38.	51.	61.	101.	756.	118.	42.	11.	11.	24.	26.	26.	1265.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	14													
FLOW		315.	544.	627.	856.	17475.	10181.	18.	4.	4.	90.	178.	238.	30527.
DEFICIENCY (FISH)		285.	56.	0.	0.	0.	0.	582.	596.	596.	810.	424.	362.	3711.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	9.	15.	15.	15.	6.	0.	0.	0.	60.
DEMAND, DOMESTIC		6.	5.	6.	7.	12.	15.	19.	19.	9.	8.	6.	6.	118.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		6.	5.	6.	7.	21.	30.	34.	34.	15.	8.	6.	6.	178.
FLOW, UPSTREAM		253.	317.	379.	102.	6210.	6304.	2880.	4505.	1631.	68.	52.	124.	22835.
FLOW, DOWNSTREAM		247.	312.	373.	95.	6189.	6274.	2846.	4471.	1616.	60.	56.	118.	22657.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	417.	696.	696.	696.	278.	0.	0.	0.	2783.
DEMAND, DOMESTIC		18.	14.	18.	21.	35.	46.	57.	57.	28.	25.	18.	18.	355.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		18.	14.	18.	21.	452.	742.	753.	753.	306.	25.	18.	18.	3138.
FLOW, UPSTREAM		302.	380.	454.	270.	8493.	7750.	3076.	4601.	1733.	136.	121.	183.	27497.
FLOW, DOWNSTREAM		284.	365.	436.	249.	8041.	7008.	2323.	3848.	1427.	109.	103.	165.	24359.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	387.	645.	645.	645.	258.	0.	0.	0.	2580.
DEMAND, DOMESTIC		6.	5.	6.	7.	12.	15.	19.	19.	9.	8.	6.	6.	118.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		6.	5.	6.	7.	399.	660.	664.	664.	267.	8.	6.	6.	2698.
FLOW, UPSTREAM		33.	42.	51.	58.	897.	660.	664.	376.	68.	21.	21.	21.	2912.
FLOW, DOWNSTREAM		27.	37.	45.	51.	498.	0.	0.	0.	0.	13.	15.	15.	701.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	288.	199.	0.	0.	0.	487.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1832.	3053.	3053.	3053.	1221.	0.	0.	0.	12212.
DEMAND, DOMESTIC		280.	224.	280.	336.	560.	728.	896.	896.	448.	392.	280.	280.	5600.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		280.	224.	280.	336.	2392.	3781.	3949.	3949.	1669.	392.	280.	280.	17812.
FLOW, UPSTREAM		584.	755.	892.	1137.	19853.	14204.	4258.	4279.	1797.	472.	446.	508.	49184.
FLOW, DOWNSTREAM		304.	531.	612.	801.	17461.	10423.	309.	330.	128.	80.	166.	228.	31372.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	201.	336.	336.	336.	134.	0.	0.	0.	1343.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	201.	336.	336.	336.	134.	0.	0.	0.	1343.
FLOW, UPSTREAM		311.	339.	621.	836.	17394.	10481.	336.	336.	134.	88.	172.	236.	31077.
FLOW, DOWNSTREAM		311.	539.	621.	836.	17393.	10145.	0.	0.	0.	86.	172.	236.	30334.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		269.	61.	0.	0.	0.	0.	600.	600.	600.	814.	428.	365.	3758.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	2846.	4745.	4745.	4745.	1897.	0.	0.	0.	18978.
DEMAND, DOMESTIC		310.	248.	310.	371.	619.	804.	991.	991.	496.	433.	310.	310.	6191.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		310.	248.	310.	371.	3465.	5549.	5736.	5736.	2391.	433.	310.	310.	25169.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	288.	199.	0.	0.	0.	487.

TROUT CR. AVG. YR. (2020) HIGH GROWTH Figure A.19

Date of Print-out:
Feb. 12, 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		1950.	1950.	1950.	2029.	3063.	3654.	3237.	2613.	1950.	1950.	1950.	1950.	
CONTROL POINT	2													
STORAGE		400.	400.	400.	439.	1000.	1000.	800.	600.	400.	400.	400.	400.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	20.	264.	392.	414.	337.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		1000.	1000.	1000.	1500.	5000.	5000.	3650.	1871.	1000.	1000.	1000.	1000.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	4.	131.	131.	88.	43.	0.	0.	0.	0.	
CONTROL POINT	6													
STORAGE		300.	300.	300.	328.	1000.	1000.	657.	0.	20.	40.	50.	53.	
CONTROL POINT	7													
STORAGE		0.	0.	0.	4.	64.	80.	54.	26.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		561.	561.	561.	607.	841.	935.	535.	72.	0.	21.	40.	59.	
MEASURING POINT	1													
FLOW		32.	40.	48.	96.	1275.	843.	151.	95.	57.	44.	39.	39.	2789.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		385.	494.	584.	521.	12065.	9487.	2658.	2718.	2399.	532.	486.	484.	32813.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		434.	558.	660.	674.	13839.	10467.	2822.	2789.	2462.	595.	548.	546.	36398.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		38.	49.	55.	91.	2044.	1843.	484.	736.	44.	44.	35.	35.	5504.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		535.	685.	808.	957.	18575.	13922.	3514.	3622.	2589.	722.	661.	659.	47269.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	11													
FLOW		41.	54.	64.	105.	831.	135.	42.	11.	11.	28.	29.	29.	1379.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	14													
FLOW		373.	591.	685.	926.	18007.	10922.	18.	4.	1093.	453.	488.	486.	34045.
DEFICIENCY (FISH)		227.	9.	0.	0.	0.	0.	582.	598.	0.	447.	112.	114	2087.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	9.	15.	15.	15.	6.	0.	0.	0.	60.
DEMAND, DOMESTIC		3.	2.	3.	3.	6.	7.	9.	9.	4.	4.	3.	3.	56.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		3.	2.	3.	3.	15.	22.	24.	24.	10.	4.	3.	3.	116.
FLOW, UPSTREAM		253.	317.	379.	102.	6210.	6304.	2779.	3090.	2421.	350.	316.	314.	22835.
FLOW, DOWNSTREAM		250.	315.	376.	99.	6195.	6282.	2755.	3066.	2411.	346.	313.	311.	22719.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	358.	597.	597.	597.	239.	0.	0.	0.	2388.
DEMAND, DOMESTIC		9.	7.	9.	11.	18.	23.	28.	28.	14.	12.	9.	9.	177.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		9.	7.	9.	11.	376.	620.	625.	625.	253.	12.	9.	9.	2565.
FLOW, UPSTREAM		305.	383.	457.	274.	8499.	7758.	2985.	3196.	2528.	420.	378.	376.	27559.
FLOW, DOWNSTREAM		296.	376.	448.	263.	8123.	7138.	2360.	2571.	2275.	408.	369.	367.	24994.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	318.	529.	529.	529.	212.	0.	0.	0.	2117.
DEMAND, DOMESTIC		3.	2.	3.	3.	6.	7.	9.	9.	4.	4.	3.	3.	56.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		3.	2.	3.	3.	324.	536.	538.	538.	216.	4.	3.	3.	2173.
FLOW, UPSTREAM		33.	42.	51.	58.	897.	553.	538.	538.	140.	21.	21.	21.	2912.
FLOW, DOWNSTREAM		30.	40.	48.	55.	573.	17.	0.	0.	0.	17.	18.	18.	815.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	76.	0.	0.	0.	76.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1588.	2647.	2647.	2647.	1059.	0.	0.	0.	10588.
DEMAND, DOMESTIC		237.	190.	237.	284.	474.	616.	758.	758.	379.	332.	237.	237.	4739.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		237.	190.	237.	284.	2062.	3263.	3405.	3405.	1438.	332.	237.	237.	15327.
FLOW, UPSTREAM		599.	768.	907.	1155.	20010.	14351.	3638.	3659.	2525.	775.	715.	713.	49914.
FLOW, DOWNSTREAM		362.	578.	670.	871.	17948.	11088.	233.	254.	1187.	443.	478.	476.	34587.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	156.	260.	260.	260.	104.	0.	0.	0.	1040.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	156.	260.	260.	260.	104.	0.	0.	0.	1040.
FLOW, UPSTREAM		369.	553.	679.	904.	18091.	11148.	260.	260.	1193.	449.	436.	432.	34892.
FLOW, DOWNSTREAM		369.	586.	679.	904.	17925.	10886.	0.	0.	1089.	449.	484.	482.	33852.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		231.	14.	0.	0.	0.	0.	600.	600.	0.	451.	116.	118.	2130.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	2429.	4048.	4048.	4048.	1620.	0.	0.	0.	16193.
DEMAND, DOMESTIC		252.	201.	252.	301.	504.	653.	804.	804.	401.	352.	252.	252.	5028.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		252.	201.	252.	301.	2933.	4701.	4852.	4852.	2021.	352.	252.	252.	21221.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	76.	0.	0.	0.	76.

TROUT CR. AVG. YEAR. (2020) MED. GROWTH Figure A.20

Date of Print-out:
Feb. 16, 1973.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		1950.	1950.	1950.	2029.	3063.	3654.	3237.	2613.	1950.	1950.	1950.	1950.	
CONTROL POINT	2													
STORAGE		400.	400.	400.	439.	1000.	1000.	800.	600.	400.	400.	400.	400.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	20.	264.	392.	414.	337.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		1000.	1000.	1000.	1500.	5000.	5000.	3650.	2350.	1000.	1000.	1000.	1000.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	4.	131.	131.	88.	43.	0.	0.	0.	0.	
CONTROL POINT	6													
STORAGE		300.	300.	300.	328.	1000.	1000.	770.	530.	300.	300.	300.	300.	
CONTROL POINT	7													
STORAGE		0.	0.	0.	4.	64.	80.	54.	26.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		561.	561.	561.	607.	841.	935.	728.	458.	388.	409.	428.	447.	
MEASURING POINT	1													
FLOW		32.	40.	48.	96.	1275.	843.	151.	95.	87.	44.	39.	39.	2789.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		397.	503.	598.	535.	12427.	10081.	3289.	2840.	3122.	348.	498.	498.	35302.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		446.	567.	672.	668.	14201.	11061.	3423.	2911.	3188.	611.	560.	358.	38883.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		38.	49.	55.	91.	2044.	1843.	371.	319.	294.	64.	48.	48.	5264.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		547.	694.	820.	971.	18937.	14516.	4002.	3327.	3562.	758.	683.	681.	49498.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	11													
FLOW		44.	56.	67.	108.	948.	326.	42.	11.	11.	32.	32.	32.	1708.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	14													
FLOW		432.	637.	744.	995.	18775.	12157.	982.	185.	2272.	554.	357.	355.	38844.
DEFICIENCY (FISH)		168	0.	0.	0.	0.	0.	0.	415	0.	346	43	43	1017
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	9.	15.	15.	15.	6.	0.	0.	0.	60.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	9.	15.	15.	15.	6.	0.	0.	0.	50.
FLOW, UPSTREAM		253.	317.	379.	102.	6210.	6304.	2779.	2611.	2900.	350.	316.	314.	22835.
FLOW, DOWNSTREAM		253.	317.	379.	102.	6201.	6289.	2764.	2596.	2894.	350.	316.	314.	22775.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	20.	33.	33.	33.	13.	0.	0.	0.	132.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	20.	33.	33.	33.	13.	0.	0.	0.	132.
FLOW, UPSTREAM		308.	385.	460.	277.	8505.	7765.	2994.	2726.	3011.	424.	381.	379.	27615.
FLOW, DOWNSTREAM		308.	385.	460.	277.	8485.	7732.	2961.	2693.	2998.	424.	381.	379.	27483.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	207.	345.	345.	345.	138.	0.	0.	0.	1380.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	207.	345.	345.	345.	138.	0.	0.	0.	1380.
FLOW, UPSTREAM		33.	42.	51.	58.	897.	953.	345.	345.	138.	21.	21.	21.	2524.
FLOW, DOWNSTREAM		33.	42.	51.	58.	690.	208.	0.	0.	0.	21.	21.	21.	1144.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1417.	2361.	2361.	2361.	944.	0.	0.	0.	9444.
DEMAND, DOMESTIC		193.	155.	193.	232.	387.	503.	619.	619.	309.	271.	193.	193.	3867.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		193.	155.	193.	232.	1804.	2864.	2980.	2980.	1253.	271.	193.	193.	13311.
FLOW, UPSTREAM		814.	779.	922.	1172.	20489.	15136.	4126.	3364.	3598.	815.	740.	738.	52492.
FLOW, DOWNSTREAM		421.	624.	729.	940.	18685.	12272.	1146.	384.	2345.	544.	547.	545.	39181.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	125.	209.	209.	209.	83.	0.	0.	0.	835.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	125.	209.	209.	209.	83.	0.	0.	0.	835.
FLOW, UPSTREAM		428.	632.	738.	973.	18818.	12330.	1173.	390.	2391.	550.	553.	551.	39486.
FLOW, DOWNSTREAM		428.	632.	738.	973.	18693.	12121.	964.	181.	2268.	550.	553.	551.	38651.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		172	0.	0.	0.	0.	0.	0.	419	0.	350	47	49	1037
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	1778.	2963.	2963.	2963.	1184.	0.	0.	0.	11851.
DEMAND, DOMESTIC		193.	155.	193.	232.	387.	503.	619.	619.	309.	271.	193.	193.	3867.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		193.	155.	193.	232.	2165.	3466.	3582.	3582.	1493.	271.	193.	193.	15718.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TROUT CR. AVG. YR. (2020) LOW GROWTH Figure A.21

Date Of Print - out:
Dec. 7, 1972

FLOWS IN AC. FT.

LOCATION	AREA IN K. AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR
CPDA 1	6.1	62.	75.	93.	182.	2267.	1290.	197.	88.	78.	78.	75.	75.	4582.
CPDA 2	3.7	29.	36.	41.	84.	1991.	1342.	103.	60.	48.	48.	36.	36.	3853.
CPDA 3	1.5	17.	22.	26.	45.	555.	292.	50.	22.	22.	22.	22.	22.	1121.
CPDA 4	60.7	572.	713.	864.	1690.	24875.	14902.	1875.	896.	775.	775.	704.	704.	49344.
CPDA 5	0.4	2.	2.	2.	7.	259.	188.	10.	7.	5.	5.	2.	2.	494.
MPDA 1	8.1	73.	92.	111.	234.	3051.	1802.	246.	111.	97.	97.	89.	89.	6093.
MPDA 2	75.8	701.	873.	1056.	2124.	30207.	18068.	2315.	1087.	942.	942.	855.	855.	60024.
MPDA 3	9.7	91.	121.	138.	253.	4416.	2712.	304.	157.	131.	131.	120.	120.	8693.
MPDA 4	97.4	902.	1141.	1364.	2720.	38750.	23095.	2990.	1408.	1215.	1215.	1116.	1116.	77030.
MPDA 5	5.6	55.	72.	83.	159.	2185.	1254.	182.	86.	72.	72.	71.	71.	4362.
MPDA 6	110.3	1020.	1292.	1544.	3099.	42790.	25296.	3383.	1571.	1361.	1351.	1260.	1260.	85237.
MPDA 7	11.3	100.	129.	149.	302.	4740.	2908.	340.	168.	140.	140.	125.	126.	9368.
CPDA 6	3.4	17.	20.	20.	56.	2278.	1694.	73.	53.	39.	39.	20.	20.	4328.
MPDA 8	11.3	86.	108.	123.	266.	5577.	3732.	307.	187.	139.	139.	104.	108.	10466.
MPDA 9	138.1	1251.	1582.	1885.	3824.	54278.	32502.	4177.	1955.	1685.	1685.	1540.	1540.	107908.
CPDA 7	0.3	3.	4.	4.	7.	150.	91.	10.	6.	4.	4.	4.	4.	294.
CPDA 8	4.4	37.	48.	55.	123.	1458.	841.	129.	56.	48.	48.	45.	45.	2934.
MPDA 10	9.9	82.	106.	125.	241.	2765.	1505.	281.	111.	100.	100.	98.	98.	5652.
MPDA 11	18.8	125.	160.	185.	484.	3669.	1911.	450.	151.	141.	141.	139.	139.	7697.
MPDA 12	169.0	1448.	1833.	2178.	4823.	59681.	35245.	6897.	2182.	1900.	1900.	1793.	1793.	119379.
MPDA 13	177.4	1482.	1876.	2220.	4792.	60308.	35506.	5036.	2211.	1930.	1930.	1783.	1783.	120834.
MPDA 14	185.1	1510.	1910.	2255.	4932.	60798.	35717.	5153.	2234.	1953.	1953.	1806.	1806.	122027.

3535114

3535119

TROUT CR. WET YEAR (NATURAL FLOW) Figure A.22

Date of Print-out:
Oct. 24, 1972

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2001.	2001.	2001.	2183.	4003.	4003.	3322.	2682.	2001.	2001.	2001.	2001.	
CONTROL POINT	2													
STORAGE		302.	302.	302.	386.	755.	755.	604.	453.	302.	302.	302.	302.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	45.	600.	892.	616.	304.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		526.	526.	526.	788.	2628.	2628.	1918.	1235.	526.	526.	526.	526.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	7.	131.	131.	88.	43.	0.	0.	0.	0.	
CONTROL POINT	6													
STORAGE		261.	261.	261.	317.	870.	870.	670.	461.	261.	261.	261.	261.	
CONTROL POINT	7													
STORAGE		0.	0.	0.	7.	64.	80.	54.	26.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		561.	561.	561.	676.	841.	935.	813.	606.	561.	561.	561.	561.	
MEASURING POINT	1													
FLOW		73.	92.	110.	226.	2927.	1803.	290.	156.	140.	97.	88.	88.	6090.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		902.	1139.	1364.	2139.	34014.	22757.	4803.	3191.	3084.	1215.	1114.	1114.	76836.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		1020.	1291.	1545.	2518.	38054.	24958.	5196.	3354.	3229.	1360.	1258.	1258.	85041.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		86.	108.	123.	210.	5024.	3732.	507.	376.	335.	135.	106.	106.	10848.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		1251.	1581.	1886.	3191.	48989.	32163.	6191.	3947.	3753.	1684.	1539.	1539.	107714.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	11													
FLOW		125.	159.	185.	362.	3240.	1457.	253.	41.	73.	140.	138.	138.	6310.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	14													
FLOW		1481.	1878.	2223.	4144.	53332.	32028.	4078.	1223.	2775.	1921.	1774.	1771.	108629.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	9.	15.	15.	15.	6.	0.	0.	0.	60.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	9.	15.	15.	15.	6.	0.	0.	0.	60.
FLOW, UPSTREAM		573.	712.	864.	1117.	20292.	14610.	3692.	2684.	2619.	774.	703.	703.	49342.
FLOW, DOWNSTREAM		573.	712.	864.	1117.	20283.	14595.	3677.	2669.	2613.	774.	703.	703.	49282.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	20.	33.	33.	33.	13.	0.	0.	0.	132.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	20.	33.	33.	33.	13.	0.	0.	0.	132.
FLOW, UPSTREAM		701.	872.	1056.	1543.	25491.	17763.	4161.	2903.	2823.	941.	854.	854.	59962.
FLOW, DOWNSTREAM		701.	872.	1056.	1543.	25471.	17730.	4128.	2870.	2810.	941.	854.	854.	59830.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	207.	345.	345.	345.	138.	0.	0.	0.	1380.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	207.	345.	345.	345.	138.	0.	0.	0.	1380.
FLOW, UPSTREAM		82.	105.	125.	159.	2563.	1396.	428.	345.	170.	99.	97.	97.	5665.
FLOW, DOWNSTREAM		82.	105.	125.	159.	2336.	1051.	83.	0.	32.	99.	97.	97.	4265.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1580.	2633.	2633.	2633.	1053.	0.	0.	0.	10532.
DEMAND, DOMESTIC		29.	29.	32.	29.	29.	32.	29.	29.	32.	29.	29.	32.	360.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		29.	29.	32.	29.	1609.	2665.	2662.	2662.	1085.	29.	29.	32.	10892.
FLOW, UPSTREAM		1448.	1831.	2176.	3864.	53962.	34441.	6713.	4063.	3970.	1898.	1751.	1751.	117798.
FLOW, DOWNSTREAM		1419.	1802.	2144.	3835.	52353.	31776.	4051.	1401.	2815.	1869.	1722.	1719.	104907.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	138.	230.	230.	230.	92.	0.	0.	0.	920.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	138.	230.	230.	230.	92.	0.	0.	0.	920.
FLOW, UPSTREAM		1453.	1844.	2188.	4004.	52980.	32047.	4191.	1430.	2844.	1898.	1751.	1748.	108379.
FLOW, DOWNSTREAM		1453.	1844.	2188.	4004.	52842.	31817.	3961.	1200.	2752.	1898.	1751.	1748.	107459.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	1954.	3256.	3256.	3256.	1302.	0.	0.	0.	13024.
DEMAND, DOMESTIC		29.	29.	32.	29.	29.	32.	29.	29.	32.	29.	29.	32.	360.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		29.	29.	32.	29.	1983.	3288.	3285.	3285.	1334.	29.	29.	32.	13384.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

END OF TABLE

TROUT CR. WET YEAR (1970) Figure A.23

Date of Print-out

Feb. 9 , 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		1950.	1950.	1950.	2132.	3900.	3900.	3237.	2613.	1950.	1950.	1950.	1950.	
CONTROL POINT	2													
STORAGE		400.	400.	400.	484.	1000.	1000.	800.	600.	400.	400.	400.	400.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	45.	600.	892.	683.	337.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		1000.	1000.	1000.	1900.	5000.	5000.	3650.	2350.	1000.	1000.	1000.	1000.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	7.	131.	131.	88.	43.	0.	0.	0.	0.	
CONTROL POINT	6													
STORAGE		300.	300.	300.	358.	1000.	1000.	770.	512.	300.	300.	300.	300.	
CONTROL POINT	7													
STORAGE		0.	0.	0.	7.	64.	80.	54.	26.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		561.	561.	561.	676.	841.	935.	577.	51.	0.	47.	92.	137.	
MEASURING POINT	1													
FLOW		73.	92.	110.	226.	2927.	1803.	290.	156.	140.	97.	88.	88.	6090.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		877.	1120.	1340.	1874.	31814.	22033.	4669.	3135.	3487.	1182.	1090.	1090.	73711.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		995.	1272.	1521.	2253.	35854.	24234.	5062.	3298.	3632.	1327.	1234.	1234.	81916.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		86.	108.	123.	210.	4933.	3732.	537.	625.	147.	135.	106.	106.	10848.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		1226.	1562.	1862.	2926.	46698.	31439.	6087.	4140.	3968.	1651.	1515.	1515.	104589.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	11													
FLOW		119.	154.	179.	355.	3048.	1142.	170.	41.	41.	85.	87.	87.	5507.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	14													
FLOW		1199.	1659.	1945.	3565.	50003.	29767.	2498.	23.	2332.	1470.	1448.	1448.	97358.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	577.	0.	0.	0.	0.	577.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	9.	15.	15.	15.	6.	0.	0.	0.	60.
DEMAND, DOMESTIC		6.	5.	6.	7.	12.	15.	19.	19.	9.	8.	6.	6.	118.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		6.	5.	6.	7.	21.	30.	34.	34.	15.	8.	6.	6.	178.
FLOW, UPSTREAM		572.	712.	864.	880.	18536.	14610.	4297.	3357.	3324.	774.	703.	703.	49361.
FLOW, DOWNSTREAM		565.	707.	858.	873.	18515.	14580.	4263.	3323.	3309.	766.	697.	697.	49183.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	417.	696.	696.	696.	278.	0.	0.	0.	2783.
DEMAND, DOMESTIC		18.	14.	18.	21.	35.	46.	57.	57.	28.	25.	18.	18.	355.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		18.	14.	18.	21.	452.	742.	753.	733.	306.	25.	18.	18.	3138.
FLOW, UPSTREAM		694.	867.	1050.	1299.	23723.	17748.	4747.	3567.	3519.	933.	848.	848.	59843.
FLOW, DOWNSTREAM		676.	853.	1032.	1278.	23271.	17006.	3994.	2814.	3213.	908.	830.	830.	56705.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	387.	645.	645.	645.	258.	0.	0.	0.	2580.
DEMAND, DOMESTIC		6.	5.	6.	7.	12.	15.	19.	19.	9.	8.	6.	6.	118.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		6.	5.	6.	7.	399.	660.	664.	664.	267.	8.	6.	6.	2698.
FLOW, UPSTREAM		82.	105.	125.	159.	2843.	1396.	664.	664.	176.	52.	52.	52.	6059.
FLOW, DOWNSTREAM		76.	100.	119.	152.	2144.	736.	0.	0.	0.	44.	46.	46.	3462.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	91.	0.	0.	0.	91.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	6.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1832.	3053.	3053.	3053.	1221.	0.	0.	0.	12212.
DEMAND, DOMESTIC		280.	226.	280.	330.	560.	728.	896.	896.	448.	392.	280.	280.	5600.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		280.	226.	280.	330.	2392.	3781.	3949.	3949.	1669.	392.	280.	280.	17812.
FLOW, UPSTREAM		1417.	1807.	2146.	3592.	51479.	33402.	6526.	4256.	4083.	1810.	1676.	1676.	113871.
FLOW, DOWNSTREAM		1137.	1583.	1866.	3256.	49087.	29621.	2577.	307.	2414.	1418.	1396.	1396.	96059.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	201.	336.	336.	336.	134.	0.	0.	0.	1343.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	201.	336.	336.	336.	134.	0.	0.	0.	1343.
FLOW, UPSTREAM		1171.	1625.	1910.	3425.	49714.	29892.	2717.	336.	2443.	1447.	1425.	1425.	97531.
FLOW, DOWNSTREAM		1171.	1625.	1910.	3425.	49513.	29556.	2381.	0.	2309.	1447.	1425.	1425.	96188.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	600.	0.	0.	0.	0.	600.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	2846.	4745.	4745.	4745.	1897.	0.	0.	0.	18978.
DEMAND, DOMESTIC		310.	248.	310.	371.	619.	804.	991.	991.	494.	433.	310.	310.	5191.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		310.	248.	310.	371.	3465.	5549.	5736.	5736.	2391.	433.	310.	310.	25169.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	91.	0.	0.	0.	91.

TROUT CR. WET YR. (2020) HIGH GROWTH Figure A.24

Date of Print-out:
Feb. 12, 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		1950.	1950.	1950.	2132.	3900.	3900.	3237.	2613.	1950.	1950.	1950.	1950.	
CONTROL POINT	2													
STORAGE		400.	400.	400.	484.	1000.	1000.	800.	600.	400.	400.	400.	400.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	45.	600.	892.	683.	337.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		1000.	1000.	1000.	1500.	5000.	5000.	3650.	2350.	1000.	1000.	1000.	1300.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	7.	131.	131.	88.	43.	0.	0.	0.	0.	
CONTROL POINT	6													
STORAGE		300.	300.	300.	358.	1000.	1000.	770.	530.	300.	300.	300.	300.	
CONTROL POINT	7													
STORAGE		0.	0.	0.	7.	54.	80.	54.	26.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		561.	561.	561.	676.	841.	935.	703.	303.	212.	259.	304.	349.	
MEASURING POINT	1													
FLOW		73.	92.	110.	226.	2927.	1803.	290.	156.	140.	97.	88.	88.	5030.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		889.	1130.	1352.	1888.	31896.	22163.	4807.	3273.	3545.	1199.	1102.	1102.	74346.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		1007.	1282.	1533.	2267.	35936.	24364.	5200.	3436.	3690.	1344.	1245.	1245.	82551.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		86.	108.	123.	210.	4933.	3732.	537.	407.	365.	135.	106.	106.	10848.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		1238.	1572.	1874.	2940.	46780.	31569.	6225.	4050.	4244.	1668.	1527.	1527.	105224.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	11													
FLOW		122.	157.	182.	359.	3123.	1266.	170.	41.	41.	89.	90.	90.	5729.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	14													
FLOW		1257.	1706.	2003.	3635.	50535.	30615.	3256.	563.	2869.	1551.	1506.	1506.	101003.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	37.	0.	0.	0.	0.	37.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	9.	15.	15.	15.	6.	0.	0.	0.	60.
DEMAND, DOMESTIC		3.	2.	3.	3.	6.	7.	9.	9.	4.	4.	3.	3.	56.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		3.	2.	3.	3.	15.	22.	24.	24.	10.	4.	3.	3.	116.
FLOW, UPSTREAM		572.	712.	864.	880.	18536.	14610.	4297.	3367.	3324.	774.	703.	703.	49341.
FLOW, DOWNSTREAM		569.	710.	861.	877.	18521.	14588.	4273.	3343.	3314.	770.	700.	700.	49225.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	358.	597.	597.	597.	239.	0.	0.	0.	2388.
DEMAND, DOMESTIC		9.	7.	9.	11.	18.	23.	28.	28.	14.	12.	9.	9.	177.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		9.	7.	9.	11.	376.	620.	625.	625.	253.	12.	9.	9.	2565.
FLOW, UPSTREAM		597.	870.	1053.	1303.	23729.	17756.	4757.	3577.	3524.	937.	851.	851.	59935.
FLOW, DOWNSTREAM		688.	863.	1044.	1292.	23353.	17136.	4132.	2952.	3271.	925.	842.	842.	57340.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	318.	529.	529.	529.	212.	0.	0.	0.	2117.
DEMAND, DOMESTIC		3.	2.	3.	3.	6.	7.	9.	9.	4.	4.	3.	3.	56.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		3.	2.	3.	3.	324.	536.	538.	538.	216.	4.	3.	3.	2173.
FLOW, UPSTREAM		82.	105.	125.	159.	2543.	1396.	538.	538.	216.	52.	52.	52.	5857.
FLOW, DOWNSTREAM		79.	103.	122.	156.	2219.	860.	0.	0.	0.	48.	49.	49.	3684.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1588.	2647.	2647.	2647.	1069.	0.	0.	0.	10588.
DEMAND, DOMESTIC		237.	190.	237.	284.	474.	616.	758.	758.	379.	332.	237.	237.	4739.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		237.	190.	237.	284.	2062.	3263.	3405.	3405.	1438.	332.	237.	237.	15327.
FLOW, UPSTREAM		1432.	1820.	2161.	3610.	51636.	33656.	6664.	4176.	4359.	1831.	1691.	1691.	116728.
FLOW, DOWNSTREAM		1195.	1630.	1924.	3326.	49574.	30393.	3259.	771.	2921.	1499.	1454.	1454.	99401.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	156.	260.	260.	260.	104.	0.	0.	0.	1040.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	156.	260.	260.	260.	104.	0.	0.	0.	1040.
FLOW, UPSTREAM		1229.	1672.	1968.	3495.	50201.	30664.	3399.	803.	2950.	1528.	1483.	1483.	100873.
FLOW, DOWNSTREAM		1229.	1672.	1968.	3495.	50045.	30404.	3139.	543.	2846.	1528.	1483.	1483.	99833.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	60.	0.	0.	0.	0.	60.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	2429.	4048.	4048.	4048.	1620.	0.	0.	0.	16193.
DEMAND, DOMESTIC		252.	201.	252.	301.	504.	653.	804.	804.	401.	352.	252.	252.	5028.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		252.	201.	252.	301.	2933.	4701.	4852.	4852.	2021.	352.	252.	252.	21221.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TROUT CR. WET YEAR (2020) MED. GROWTH Figure A.25

Date of Print-out:
Feb. 16, 1973.

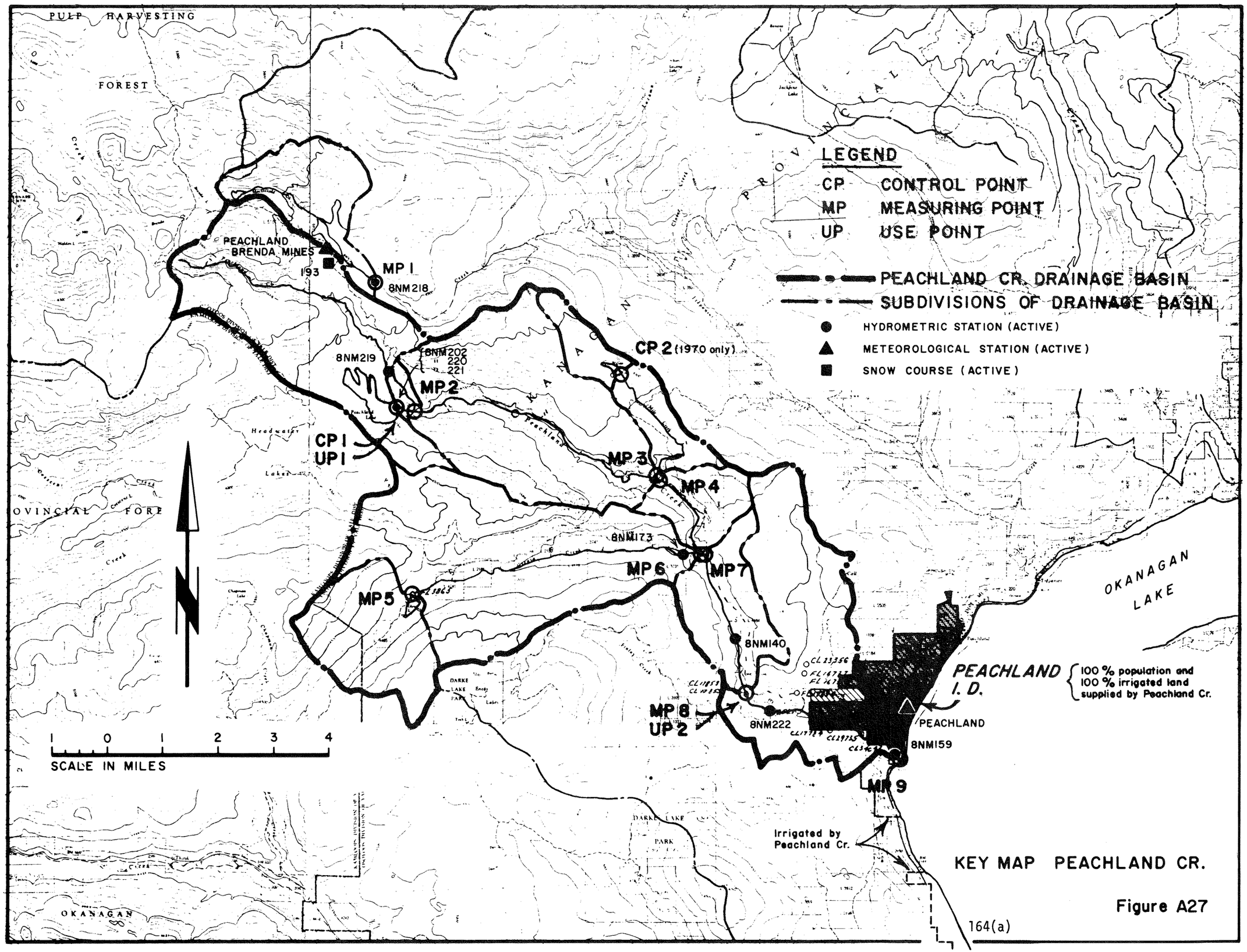
STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		1950.	1950.	1950.	2132.	3900.	3900.	3237.	2613.	1950.	1950.	1950.	1950.	
CONTROL POINT	2													
STORAGE		400.	400.	400.	484.	1000.	1000.	800.	600.	400.	400.	400.	400.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	45.	600.	892.	683.	337.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		1000.	1000.	1000.	1500.	5000.	5000.	3650.	2350.	1000.	1000.	1000.	1000.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	7.	131.	131.	88.	43.	0.	0.	0.	0.	
CONTROL POINT	6													
STORAGE		300.	300.	300.	356.	1000.	1000.	770.	530.	300.	300.	300.	300.	
CONTROL POINT	7													
STORAGE		0.	0.	0.	7.	64.	80.	54.	26.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		561.	561.	561.	676.	841.	935.	813.	806.	561.	561.	561.	561.	
MEASURING POINT	1													
FLOW		73.	92.	110.	226.	2927.	1803.	290.	156.	140.	97.	88.	88.	6090.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		901.	1139.	1364.	1902.	32258.	22757.	5408.	3874.	3789.	1215.	1114.	1114.	76835.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		1019.	1291.	1545.	2281.	36298.	24958.	5801.	4037.	3934.	1360.	1258.	1258.	85040.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		86.	108.	123.	210.	4933.	3732.	537.	407.	365.	135.	106.	106.	10848.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		1250.	1581.	1886.	2954.	47142.	32163.	6826.	4661.	4488.	1684.	1539.	1539.	107713.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	11													
FLOW		125.	159.	185.	362.	3240.	1457.	253.	41.	73.	140.	138.	138.	6310.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	14													
FLOW		1316.	1752.	2062.	3704.	51303.	31850.	4416.	1640.	3351.	1679.	1610.	1610.	106294.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	9.	15.	15.	15.	6.	0.	0.	0.	60.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	9.	15.	15.	15.	6.	0.	0.	0.	60.
FLOW, UPSTREAM		572.	712.	864.	880.	18536.	14610.	4297.	3357.	3324.	774.	703.	703.	49341.
FLOW, DOWNSTREAM		572.	712.	864.	880.	18527.	14595.	4282.	3352.	3318.	774.	703.	703.	49281.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	20.	33.	33.	33.	13.	0.	0.	0.	132.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	20.	33.	33.	33.	13.	0.	0.	0.	132.
FLOW, UPSTREAM		700.	872.	1056.	1306.	23735.	17763.	4766.	3586.	3528.	941.	854.	854.	59961.
FLOW, DOWNSTREAM		700.	872.	1056.	1306.	23715.	17730.	4733.	3553.	3515.	941.	854.	854.	59829.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	207.	345.	345.	345.	138.	0.	0.	0.	1380.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	207.	345.	345.	345.	138.	0.	0.	0.	1380.
FLOW, UPSTREAM		82.	105.	125.	159.	2543.	1396.	428.	345.	170.	99.	97.	97.	5645.
FLOW, DOWNSTREAM		82.	105.	125.	159.	2336.	1051.	83.	0.	32.	99.	97.	97.	4265.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1417.	2361.	2361.	2361.	944.	0.	0.	0.	9444.
DEMAND, DOMESTIC		193.	155.	193.	232.	387.	503.	619.	619.	309.	271.	193.	193.	3867.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		193.	155.	193.	232.	1804.	2864.	2980.	2980.	1253.	271.	193.	193.	13311.
FLOW, UPSTREAM		1447.	1831.	2176.	3627.	52115.	34441.	7348.	4777.	4635.	1898.	1751.	1751.	117798.
FLOW, DOWNSTREAM		1254.	1676.	1983.	3395.	50311.	31577.	4368.	1797.	3382.	1627.	1558.	1558.	104487.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	125.	209.	209.	209.	83.	0.	0.	0.	835.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	125.	209.	209.	209.	83.	0.	0.	0.	835.
FLOW, UPSTREAM		1288.	1718.	2027.	3564.	50938.	31868.	4508.	1826.	3411.	1656.	1587.	1587.	105959.
FLOW, DOWNSTREAM		1288.	1718.	2027.	3564.	50813.	31639.	4299.	1617.	3328.	1656.	1587.	1587.	105124.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	1778.	2963.	2963.	2963.	1184.	0.	0.	0.	11851.
DEMAND, DOMESTIC		193.	155.	193.	232.	387.	503.	619.	619.	309.	271.	193.	193.	3867.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		193.	155.	193.	232.	2165.	3466.	3582.	3582.	1493.	271.	193.	193.	15718.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TROUT CR. WET YR. (2020) LOW GROWTH Figure A.26

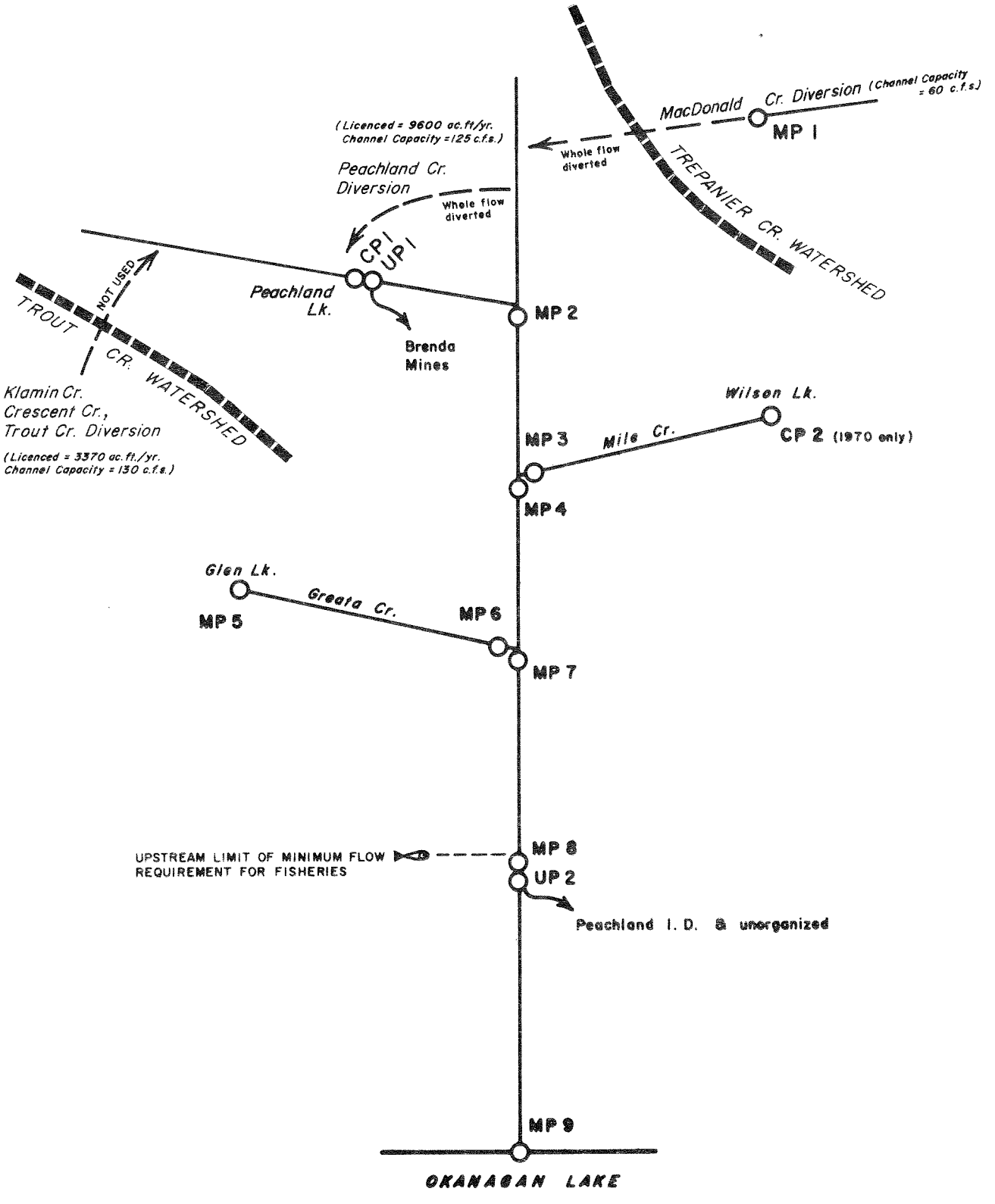
APPENDIX A-4

PEACHLAND CREEK DATA

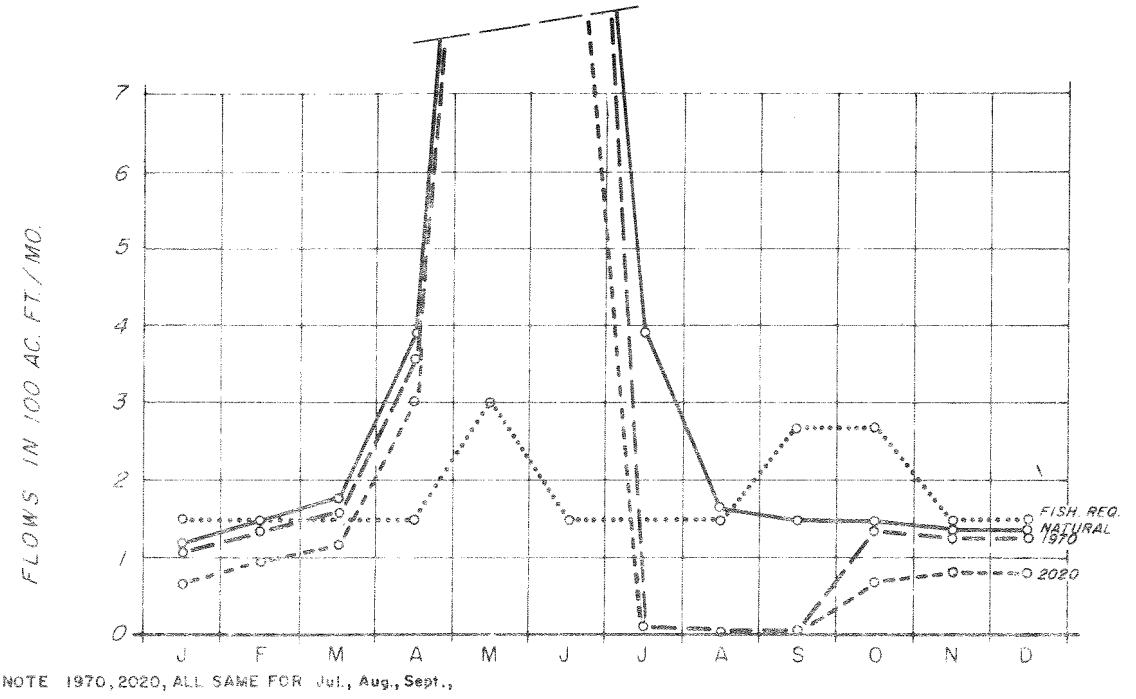


KEY MAP PEACHLAND CR.

Figure A27

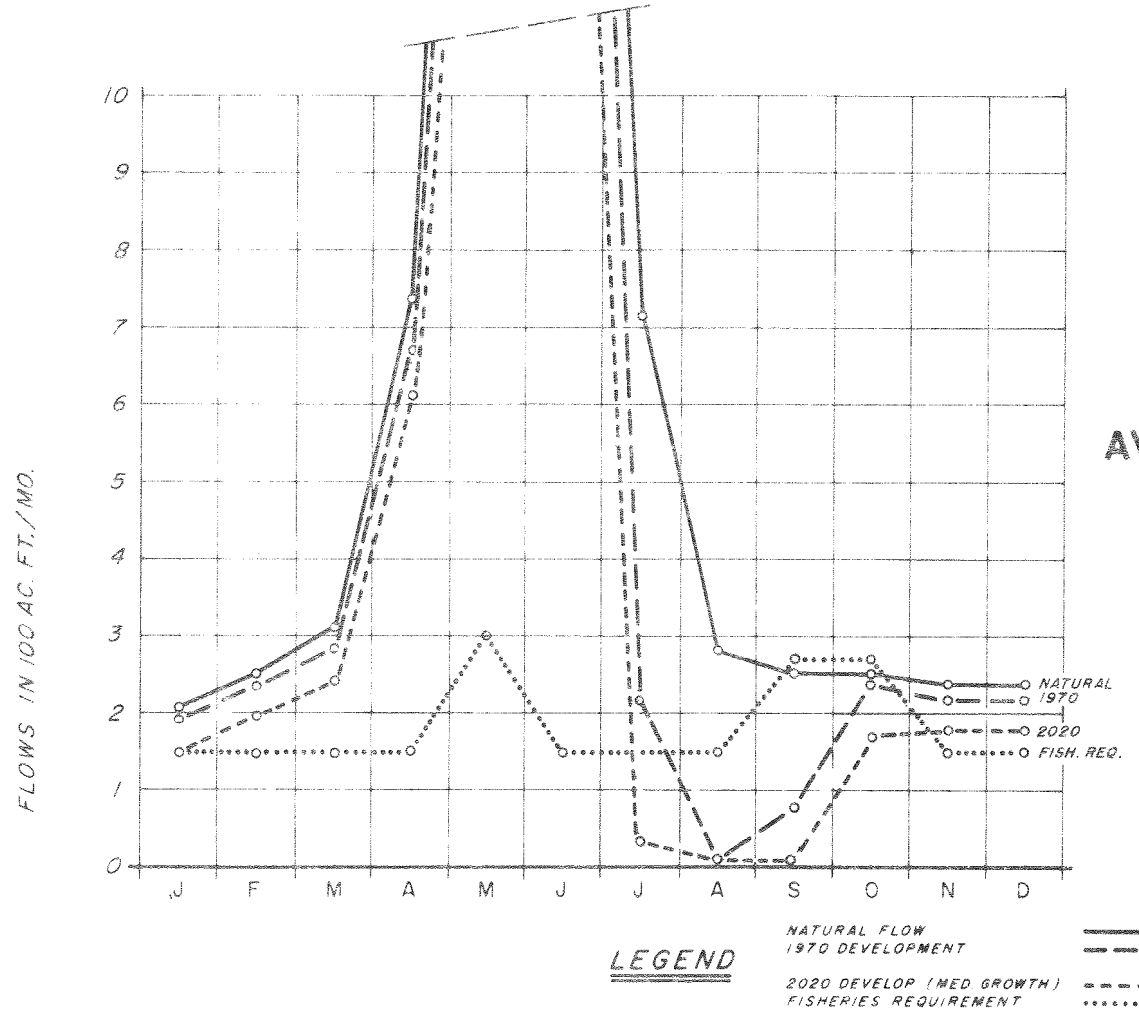


PEACHLAND CR. SCHEMATIC Figure A.28



NOTE 1970, 2020, ALL SAME FOR Jul., Aug., Sept.,

DRY YEAR



AVERAGE YEAR

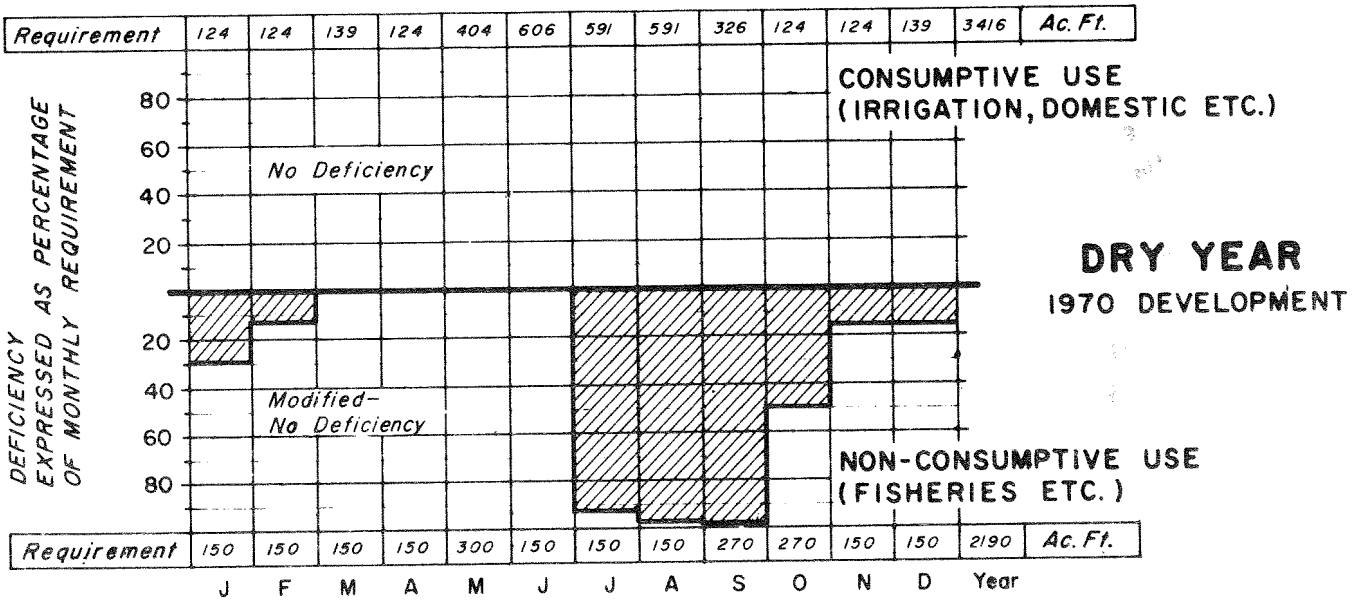
LEGEND

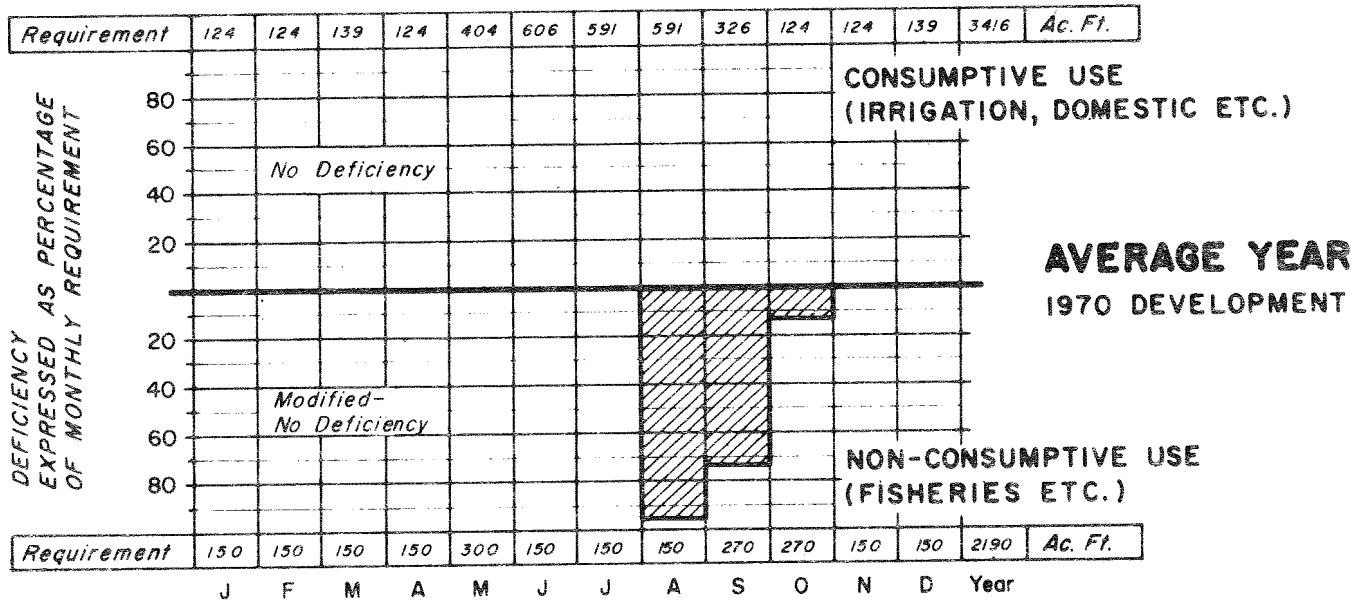
NATURAL FLOW
1970 DEVELOPMENT

2020 DEVELOP (MED GROWTH)
FISHERIES REQUIREMENT

PEACHLAND CR. (MP 9)
HYDROGRAPHS OF FLOWS AT MOUTH

Figure A.29

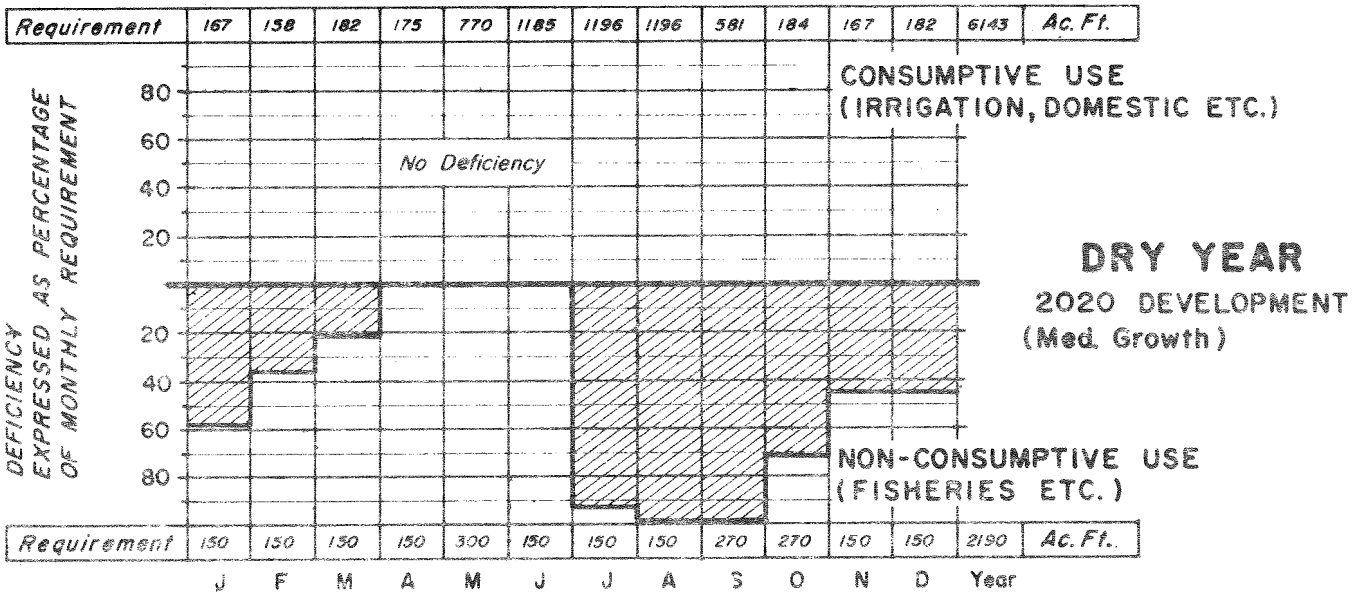


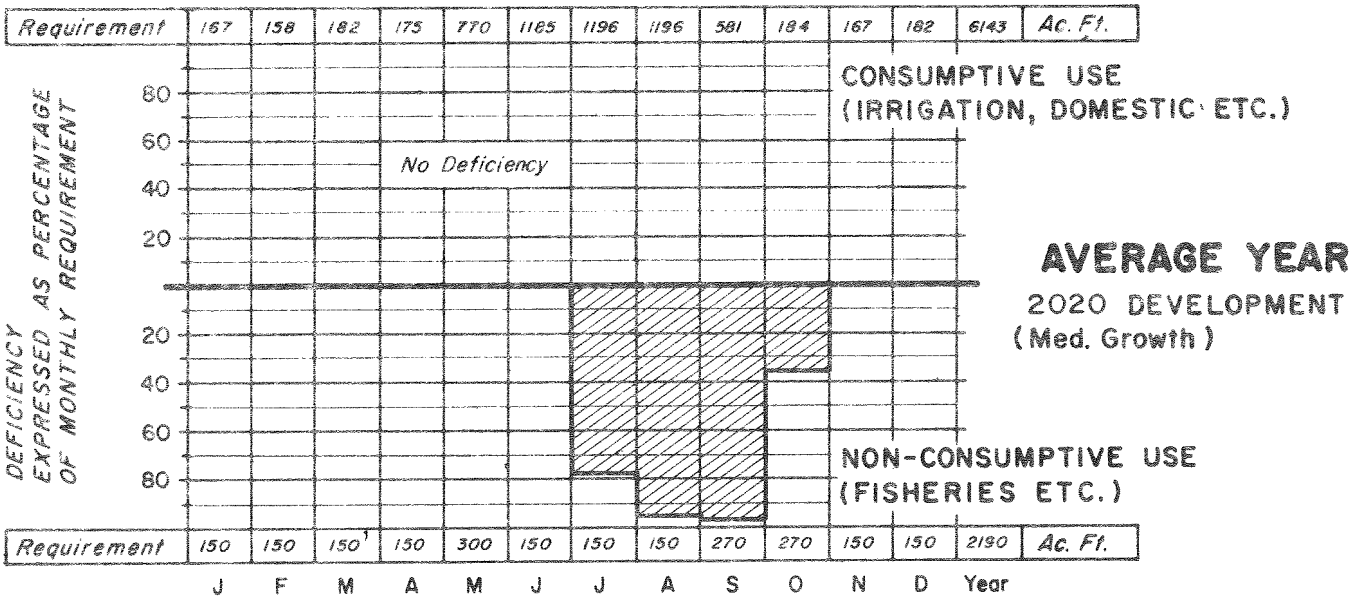


LEGEND
Historic (Simulated) Operation
Modified (Simulated) Operation

NOTES: 1. Consumptive Use deficiencies are totals for whole basin.
2. Non-Consumptive deficiencies are those extant at creek mouth.
3. In a Wet Year, a fisheries deficiency of $^{106\ (Hist)}/_{0\ (Mod)}$ ac. ft. exists at mouth in August.

PEACHLAND CR. (1970) DEFICIENCY DIAGRAM Figure A.30





LEGEND ////// Historic (Simulated) Operation

NOTES:
1. Consumptive Use deficiencies are totals for whole basin.
2. Non-Consumptive deficiencies are those extant at creek mouth.
3. In a Wet Year, a fisheries deficiency exists at mouth of 123 ac.ft. in Aug. & 204 ac.ft. in Sept.

PEACHLAND CR. (2020) DEFICIENCY DIAGRAM Figure A.31

Date of Print-out:
Oct. 19, 1973. (revision)

FLOWS IN AC.FT.

LOCATION	AREA IN K.AC	J	F	M	A	M	J	J	A	S	O	N	D	YEAR
MPDA 1	2.9	13.	17.	18.	37.	1012.	691.	49.	32.	23.	23.	17.	17.	1958.
CPDA 1	6.4	31.	39.	46.	89.	1464.	894.	103.	53.	44.	44.	39.	39.	2885.
MPDA 2	9.5	46.	57.	65.	129.	2497.	1595.	155.	85.	68.	68.	57.	57.	4879.
CPDA 2	0.8	4.	4.	6.	11.	99.	48.	11.	4.	4.	4.	4.	4.	204.
MPDA 3	1.9	7.	7.	10.	24.	168.	80.	21.	7.	7.	7.	7.	7.	361.
MPDA 4	18.5	79.	96.	116.	243.	3351.	2005.	260.	121.	104.	104.	92.	92.	6662.
MPDA 5	2.7	12.	15.	18.	36.	442.	250.	39.	17.	15.	15.	15.	15.	886.
MPDA 6	10.5	38.	47.	59.	127.	1206.	635.	125.	49.	45.	45.	45.	45.	2468.
MPDA 7	30.4	119.	144.	179.	380.	4605.	2661.	394.	172.	151.	151.	140.	140.	9236.
MPDA 8	32.5	121.	146.	181.	387.	4634.	2676.	400.	173.	152.	152.	141.	141.	9383.
MPDA 9	18.1	123.	150.	184.	400.	4681.	2694.	409.	176.	155.	155.	143.	143.	9411.

PEACHLAND CR. DRY YEAR (NATURAL FLOW)

Figure A.32

Date of Print-out
Oct. 26, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT STORAGE	1	4229.	4161.	4086.	4088.	6440.	7886.	7720.	6032.	4309.	4252.	4184.	4101.	
CONTROL POINT STORAGE	2	0.	0.	0.	0.	81.	81.	54.	27.	0.	0.	0.	0.	
MEASURING POINT FLOW	2	14.	18.	19.	40.	1033.	701.	245.	1682.	1676.	24.	18.	18.	5488.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	3	7.	7.	10.	23.	87.	79.	48.	35.	34.	7.	7.	7.	350.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	4	47.	55.	70.	153.	1807.	1111.	376.	1746.	1738.	60.	54.	54.	7271.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	7	88.	105.	132.	290.	3062.	1767.	510.	1797.	1789.	108.	102.	102.	9852.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	9	91.	110.	137.	310.	2858.	1332.	59.	1333.	1605.	111.	105.	105.	8156.
DEFICIENCY (FISH)		59.	40.	13.	0.	0.	0.	91.	0.	0.	159.	45.	45.	452.
USE POINT DEMAND, IRRIGATION	1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
FLOW, UPSTREAM		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	5042.
FLOW, DOWNSTREAM		124.	124.	139.	124.	124.	139.	317.	1773.	1791.	124.	124.	139.	3494.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	193.	1649.	1652.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT DEMAND, IRRIGATION	2	0.	0.	0.	0.	280.	467.	467.	467.	187.	0.	0.	0.	1868.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	280.	467.	467.	467.	187.	0.	0.	0.	1868.
FLOW, UPSTREAM		89.	107.	134.	298.	3091.	1779.	516.	1798.	1790.	109.	103.	103.	9917.
FLOW, DOWNSTREAM		89.	107.	134.	298.	2811.	1312.	49.	1331.	1603.	109.	103.	103.	8049.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		61.	43.	16.	0.	0.	0.	101.	0.	0.	161.	47.	47.	476.
GRAND TOTALS FOR ALL THE USE POINTS: DEMAND, IRRIGATION		0.	0.	0.	0.	280.	467.	467.	467.	187.	0.	0.	0.	1868.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		124.	124.	139.	124.	404.	606.	591.	591.	326.	124.	124.	139.	3416.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

PEACHLAND CR. DRY YEAR (1970)

Figure A.33

Date of Print-out:
Oct. 25, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT STORAGE	1	4213.	4145.	4070.	4072.	6424.	7603.	6488.	5148.	4293.	4236.	4168.	6085.	
CONTROL POINT STORAGE	2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	2	14.	18.	19.	40.	1033.	968.	1195.	1334.	807.	24.	18.	18.	5488.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	3	7.	7.	10.	23.	168.	79.	21.	7.	7.	7.	7.	7.	350.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	4	47.	55.	70.	153.	1888.	1378.	1299.	1370.	843.	60.	54.	54.	7271.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	7	88.	105.	132.	290.	3143.	2034.	1433.	1421.	894.	108.	102.	102.	9852.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	9	33.	63.	79.	240.	2380.	711.	59.	34.	323.	29.	47.	47.	4045.
DEFICIENCY (FISH)		117.	87.	71.	0.	0.	0.	91.	116.	0.	241.	103.	103.	929.
USE POINT DEMAND, IRRIGATION	1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
FLOW, UPSTREAM		124.	124.	139.	124.	124.	406.	1267.	1425.	922.	124.	124.	139.	5042.
FLOW, DOWNSTREAM		0.	0.	0.	0.	0.	267.	1143.	1301.	783.	0.	0.	0.	3494.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT DEMAND, IRRIGATION	2	0.	0.	0.	0.	722.	1203.	1203.	1203.	481.	0.	0.	0.	4812.
DEMAND, DOMESTIC		58.	47.	58.	70.	117.	152.	187.	187.	93.	82.	58.	58.	1167.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		58.	47.	58.	70.	839.	1355.	1390.	1390.	574.	82.	58.	56.	5979.
FLOW, UPSTREAM		84.	107.	134.	298.	3172.	2046.	1439.	1422.	895.	109.	103.	103.	9917.
FLOW, DOWNSTREAM		31.	60.	76.	228.	2333.	691.	49.	32.	321.	27.	45.	45.	3938.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		110.	90.	74.	0.	0.	0.	101.	118.	0.	243.	105.	105.	955.
GRAND TOTALS FOR ALL THE USE POINTS: DEMAND, IRRIGATION		0.	0.	0.	0.	722.	1203.	1203.	1203.	481.	0.	0.	0.	4812.
DEMAND, DOMESTIC		58.	47.	58.	70.	117.	152.	187.	187.	93.	82.	58.	58.	1167.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		182.	171.	197.	194.	963.	1494.	1514.	1514.	713.	206.	182.	197.	7527.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

PEACHLAND CR. DRY YR. (2020) HIGH GROWTH

Figure A.34

Date of Print-out:
Oct. 23, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT STORAGE	1	4213.	4145.	4070.	4072.	6424.	7870.	7073.	6010.	4293.	4236.	4168.	4085.	
CONTROL POINT STORAGE	2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	2	14.	18.	19.	40.	1033.	701.	877.	1057.	1669.	24.	18.	18.	5488.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	3	7.	7.	10.	23.	168.	79.	21.	7.	7.	7.	7.	7.	350.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	4	47.	55.	70.	153.	1888.	1111.	981.	1093.	1705.	60.	54.	54.	7271.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	7	88.	105.	132.	290.	3143.	1767.	1115.	1144.	1756.	108.	102.	102.	9852.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	9	48.	78.	94.	259.	2573.	753.	59.	75.	1317.	51.	62.	62.	5429.
DEFICIENCY (FISH)		102.	74.	56.	0.	0.	0.	91.	75.	0.	219.	88.	88.	793.
USE POINT DEMAND, IRRIGATION	1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
FLOW, UPSTREAM		124.	124.	139.	124.	124.	139.	949.	1148.	1784.	124.	124.	139.	5042.
FLOW, DOWNSTREAM		0.	0.	0.	0.	0.	0.	825.	1024.	1645.	0.	0.	0.	3494.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT DEMAND, IRRIGATION	2	0.	0.	0.	0.	561.	935.	935.	935.	374.	0.	0.	0.	3740.
DEMAND, DOMESTIC		43.	34.	43.	51.	85.	111.	137.	137.	68.	60.	43.	43.	855.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		43.	34.	43.	51.	646.	1046.	1072.	1072.	442.	60.	43.	43.	4595.
FLOW, UPSTREAM		89.	107.	134.	298.	3172.	1779.	1121.	1145.	1757.	109.	103.	103.	9917.
FLOW, DOWNSTREAM		46.	73.	91.	247.	2526.	733.	49.	73.	1315.	49.	60.	60.	5322.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		104.	77.	59.	0.	0.	0.	101.	77.	0.	221.	90.	90.	819.
GRAND TOTALS FOR ALL THE USE POINTS: DEMAND, IRRIGATION		0.	0.	0.	0.	561.	935.	935.	935.	374.	0.	0.	0.	3740.
DEMAND, DOMESTIC		43.	34.	43.	51.	85.	111.	137.	137.	68.	60.	43.	43.	855.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		167.	158.	182.	175.	770.	1185.	1196.	1196.	581.	184.	167.	182.	6143.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

PEACHLAND CR. DRY YR. (2020) MED. GROWTH

Figure A.35

Date of Print-out:
Oct. 22, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT STORAGE	1	4213.	4145.	4070.	4072.	6424.	7870.	7687.	5010.	4293.	4236.	4168.	4085.	
CONTROL POINT STORAGE	2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	2	14.	18.	19.	40.	1033.	701.	263.	1671.	1669.	24.	18.	18.	5488.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	3	7.	7.	10.	23.	168.	79.	21.	7.	7.	7.	7.	7.	350.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	4	47.	53.	70.	153.	1888.	1111.	367.	1707.	1705.	60.	54.	54.	7271.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	7	88.	105.	132.	290.	3143.	1767.	501.	1758.	1756.	108.	102.	102.	9852.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	9	69.	93.	115.	284.	2943.	1354.	59.	1303.	1569.	81.	83.	83.	8036.
DEFICIENCY (FISH)		81.	67.	55.	0.	0.	0.	91.	0.	0.	189.	67.	67.	587.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
FLOW, UPSTREAM		124.	124.	139.	124.	124.	139.	335.	1762.	1784.	124.	124.	139.	5042.
FLOW, DOWNSTREAM		0.	0.	0.	0.	0.	0.	211.	1638.	1645.	0.	0.	0.	3494.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	233.	389.	389.	389.	155.	0.	0.	0.	1555.
DEMAND, DOMESTIC		22.	17.	22.	26.	43.	56.	69.	69.	35.	30.	22.	22.	433.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		22.	17.	22.	26.	276.	445.	458.	458.	190.	30.	22.	22.	1988.
FLOW, UPSTREAM		89.	107.	134.	298.	3172.	1779.	507.	1759.	1757.	109.	103.	103.	9917.
FLOW, DOWNSTREAM		67.	90.	112.	272.	2896.	1334.	49.	1301.	1567.	79.	81.	81.	7929.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		83.	60.	38.	0.	0.	0.	101.	0.	0.	191.	69.	69.	611.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	233.	389.	389.	389.	155.	0.	0.	0.	1555.
DEMAND, DOMESTIC		22.	17.	22.	26.	43.	56.	69.	69.	35.	30.	22.	22.	433.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		146.	141.	161.	150.	400.	584.	582.	582.	329.	154.	146.	161.	3536.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

PEACHLAND CR. DRY YR. (2020) LOW GROWTH

Figure A.36

Date of Print-out:
Oct. 19, 1973 (revision)

LOCATION	AREA IN K.AC.	FLOWS IN AC. FT. J	F	M	A	M	J	J	A	S	O	N	D	YEAR
MPDA 1	2.9	20.	25.	27.	55.	1459.	990.	73.	46.	34.	34.	25.	25.	2814.
CPDA 1	6.4	50.	62.	75.	143.	2245.	1355.	164.	82.	69.	69.	62.	62.	4438.
MPDA 2	9.5	72.	89.	104.	203.	3742.	2362.	242.	130.	104.	104.	89.	89.	7330.
CPDA 2	0.6	6.	7.	10.	20.	171.	83.	19.	7.	7.	7.	7.	7.	352.
MPDA 3	1.9	13.	16.	19.	45.	311.	147.	40.	13.	13.	13.	13.	13.	655.
MPDA 4	18.5	133.	158.	197.	418.	5298.	3105.	437.	195.	170.	170.	154.	154.	10589.
MPDA 5	2.7	20.	25.	30.	63.	719.	400.	66.	28.	25.	25.	24.	24.	1449.
MPDA 6	10.5	69.	85.	106.	237.	2083.	1078.	228.	85.	80.	80.	79.	79.	4288.
MPDA 7	30.4	206.	249.	310.	678.	7487.	4230.	683.	265.	254.	254.	238.	238.	15115.
MPDA 8	32.5	210.	255.	316.	699.	7564.	4263.	700.	288.	258.	258.	242.	242.	15295.
MPDA 9	38.1	218.	265.	327.	741.	7718.	4329.	734.	296.	265.	265.	249.	249.	15655.

PEACHLAND CR. AVERAGE YEAR (NATURAL FLOW)

Figure A.37

Date of Print-out:
Oct. 26, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT STORAGE	1	4255.	4218.	4161.	4255.	6702.	6908.	7851.	6032.	4309.	4288.	4251.	4199.	
CONTROL POINT STORAGE	2	0.	0.	0.	0.	81.	81.	54.	27.	0.	0.	0.	0.	
MEASURING POINT FLOW	2	22.	27.	29.	60.	2628.	1008.	1248.	1871.	1724.	36.	27.	27.	8707.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	3	12.	14.	19.	45.	230.	146.	67.	41.	40.	13.	13.	13.	652.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	4	83.	96.	123.	275.	4104.	1750.	1470.	1964.	1815.	101.	92.	92.	11965.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	7	157.	197.	236.	535.	6293.	2875.	1717.	2054.	1900.	186.	176.	176.	16492.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	9	159.	203.	252.	598.	6244.	2507.	1301.	1598.	1724.	197.	187.	187.	15167.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	73.	0.	0.	73.
USE POINT DEMAND, IRRIGATION	1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
FLOW, UPSTREAM		124.	124.	139.	124.	1256.	139.	1294.	1947.	1827.	124.	124.	139.	7361.
FLOW, DOWNSTREAM		0.	0.	0.	0.	1132.	0.	1170.	1823.	1688.	0.	0.	0.	5813.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT DEMAND, IRRIGATION	2	0.	0.	0.	0.	280.	467.	467.	467.	187.	0.	0.	0.	1868.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	280.	467.	467.	467.	187.	0.	0.	0.	1868.
FLOW, UPSTREAM		161.	192.	241.	556.	6370.	2908.	1734.	2058.	1906.	190.	180.	180.	16674.
FLOW, DOWNSTREAM		161.	192.	241.	556.	6090.	2441.	1267.	1591.	1717.	190.	180.	180.	14806.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	80.	0.	0.	80.
GRAND TOTALS FOR ALL THE USE POINTS: DEMAND, IRRIGATION		0.	0.	0.	0.	280.	467.	467.	467.	187.	0.	0.	0.	1868.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		124.	124.	139.	124.	404.	606.	591.	591.	326.	124.	124.	139.	3416.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

PEACHLAND CR. AVERAGE YEAR (1970)

Figure A.38

Date of Print-out:
Oct. 25, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT STORAGE	1	4239.	4202.	4165.	4239.	6578.	8664.	7823.	6010.	4293.	4272.	4235.	4183.	
CONTROL POINT STORAGE	2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	2	22.	27.	29.	60.	2637.	1008.	1252.	1865.	1717.	36.	27.	27.	8707.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	3	12.	14.	19.	45.	311.	146.	40.	13.	13.	13.	13.	13.	652.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	4	83.	96.	123.	275.	4194.	1750.	1447.	1930.	1782.	101.	92.	92.	11965.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	7	157.	187.	236.	535.	6383.	2875.	1694.	2020.	1867.	186.	176.	176.	16492.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	9	111.	156.	194.	528.	5775.	1619.	355.	641.	1304.	115.	129.	129.	11056.
DEFICIENCY (FISH)		39.	0.	0.	0.	0.	0.	0.	0.	0.	185.	21.	21.	236.
USE POINT DEMAND, IRRIGATION	1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
FLOW, UPSTREAM		124.	124.	139.	124.	1265.	139.	1298.	1941.	1820.	124.	124.	139.	7361.
FLOW, DOWNSTREAM		0.	0.	0.	0.	1141.	0.	1174.	1817.	1681.	0.	0.	0.	9813.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT DEMAND, IRRIGATION	2	3.	0.	0.	0.	722.	1203.	1203.	1203.	481.	0.	0.	0.	4812.
DEMAND, DOMESTIC		58.	47.	58.	70.	117.	152.	187.	187.	93.	82.	58.	58.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		58.	47.	58.	70.	839.	1355.	1390.	1390.	574.	82.	58.	58.	5979.
FLOW, UPSTREAM		161.	192.	241.	556.	6460.	2908.	1711.	2024.	1871.	190.	180.	180.	16674.
FLOW, DOWNSTREAM		103.	145.	183.	486.	5621.	1553.	321.	634.	1297.	108.	122.	122.	10695.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		47.	5.	0.	0.	0.	0.	0.	0.	0.	162.	28.	28.	270.
GRAND TOTALS FOR ALL THE USE POINTS: DEMAND, IRRIGATION		0.	0.	0.	0.	722.	1203.	1203.	1203.	481.	0.	0.	0.	4812.
DEMAND, DOMESTIC		58.	47.	58.	70.	117.	152.	187.	187.	93.	82.	58.	58.	1167.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		182.	171.	197.	194.	963.	1494.	1514.	1514.	713.	206.	182.	197.	7527.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

PEACHLAND CR. AVG. YR. (2020) HIGH GROWTH

Figure A.39

Date of Print-out:
Oct. 23, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT STORAGE	1	4239.	4202.	4165.	4239.	6678.	8884.	7823.	6010.	4293.	4272.	4235.	4183.	
CONTROL POINT STORAGE	2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	2	22.	27.	29.	60.	2637.	1008.	1252.	1865.	1717.	36.	27.	27.	8707.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	3	12.	14.	19.	45.	311.	146.	40.	13.	13.	13.	13.	13.	652.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	4	83.	96.	123.	275.	4194.	1750.	1447.	1930.	1782.	101.	92.	92.	11965.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	7	157.	187.	236.	535.	6383.	2875.	1694.	2020.	1867.	186.	176.	176.	16492.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	9	126.	169.	209.	547.	5968.	1928.	673.	959.	1436.	137.	144.	144.	12440.
DEFICIENCY (FISH)		24.	0.	0.	0.	0.	0.	0.	0.	0.	133.	6.	6.	169.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
FLOW, UPSTREAM		124.	124.	139.	124.	1265.	139.	1298.	1941.	1820.	124.	124.	139.	7361.
FLOW, DOWNSTREAM		0.	0.	0.	0.	1141.	0.	1174.	1817.	1681.	0.	0.	0.	5813.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	561.	935.	935.	935.	374.	0.	0.	0.	3740.
DEMAND, DOMESTIC		43.	34.	43.	51.	85.	111.	137.	137.	68.	60.	43.	43.	855.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		43.	34.	43.	51.	646.	1046.	1072.	1072.	442.	60.	43.	43.	4595.
FLOW, UPSTREAM		161.	192.	241.	556.	6460.	2908.	1711.	2024.	1871.	190.	180.	180.	16674.
FLOW, DOWNSTREAM		118.	158.	198.	505.	5814.	1862.	639.	952.	1429.	130.	137.	137.	12079.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		32.	0.	0.	0.	0.	0.	0.	0.	0.	140.	13.	13.	198.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	561.	935.	935.	935.	374.	0.	0.	0.	3740.
DEMAND, DOMESTIC		43.	34.	43.	51.	85.	111.	137.	137.	68.	60.	43.	43.	855.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		167.	158.	182.	175.	770.	1185.	1196.	1195.	581.	184.	167.	182.	6143.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

PEACHLAND CR. AVG.YR.(2020) MED. GROWTH

Figure A.40

Date of Print-out:
Oct. 22, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT STORAGE	1	4239.	4202.	4165.	4239.	6678.	8884.	7823.	6010.	4293.	4272.	4235.	4183.	
CONTROL POINT STORAGE	2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	2	22.	27.	29.	60.	2637.	1008.	1252.	1865.	1717.	36.	27.	27.	8707.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	3	12.	14.	19.	45.	311.	146.	40.	13.	13.	13.	13.	13.	652.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	4	83.	95.	123.	275.	4194.	1750.	14 7.	1930.	1782.	101.	92.	92.	11965.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	7	157.	187.	235.	535.	6383.	2875.	1694.	2020.	1867.	186.	176.	176.	16492.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	9	147.	186.	230.	572.	6338.	2529.	1287.	1573.	1688.	167.	165.	165.	15047.
DEFICIENCY (FISH)		3.	0.	0.	0.	0.	0.	0.	0.	0.	103.	0.	0.	106.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
FLOW, UPSTREAM		124.	124.	139.	124.	1265.	139.	1298.	1941.	1820.	124.	124.	139.	7361.
FLOW, DOWNSTREAM		0.	0.	0.	0.	1141.	0.	1174.	1817.	1681.	0.	0.	0.	5813.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	233.	389.	389.	389.	155.	0.	0.	0.	1555.
DEMAND, DOMESTIC		22.	17.	22.	26.	43.	56.	69.	69.	35.	30.	22.	22.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		22.	17.	22.	26.	276.	443.	458.	458.	190.	30.	22.	22.	1986.
FLOW, UPSTREAM		161.	192.	241.	556.	6460.	2908.	1711.	2024.	1871.	190.	180.	180.	16674.
FLOW, DOWNSTREAM		139.	175.	219.	530.	6184.	2463.	1253.	1566.	1681.	160.	158.	158.	14686.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		11.	0.	0.	0.	0.	0.	0.	0.	0.	110.	0.	0.	121.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	233.	389.	389.	389.	155.	0.	0.	0.	1555.
DEMAND, DOMESTIC		22.	17.	22.	26.	43.	56.	69.	69.	35.	30.	22.	22.	433.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		146.	141.	161.	150.	400.	584.	582.	582.	329.	154.	146.	161.	3536.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

PEACHLAND CR. AVG. YR. (2020) LOW GROWTH

Figure A.41

Date of Print-out:
Oct. 19, 1973. (revision)

LOCATION	AREA IN K.AC.	FLOWS IN AC.FT. J	F	M	A	M	J	J	A	S	O	N	D	YEAR
MPDA 1	2.9	32.	41.	43.	87.	2266.	1531.	115.	72.	54.	54.	41.	41.	4375.
CPDA 1	6.4	87.	106.	130.	248.	3715.	2213.	281.	137.	117.	117.	106.	106.	7362.
MPDA 2	9.5	122.	150.	177.	345.	6053.	3777.	405.	212.	173.	173.	150.	150.	11886.
CPDA 2	0.8	12.	13.	13.	37.	316.	154.	36.	13.	13.	13.	13.	13.	652.
MPDA 3	1.9	24.	27.	37.	90.	600.	282.	79.	25.	25.	25.	25.	25.	1266.
MPDA 4	18.5	239.	283.	357.	766.	9025.	5189.	784.	337.	298.	298.	275.	275.	18124.
MPDA 5	2.7	36.	45.	54.	115.	1242.	662.	118.	49.	44.	44.	43.	43.	2515.
MPDA 6	10.5	130.	160.	200.	463.	3819.	1949.	436.	157.	149.	149.	148.	148.	7909.
MPDA 7	30.4	381.	459.	574.	1286.	13097.	7248.	1266.	506.	458.	458.	434.	434.	26601.
MPDA 8	32.5	393.	477.	592.	1355.	13347.	7356.	1321.	518.	470.	470.	446.	446.	27190.
MPDA 9	38.1	424.	517.	633.	1518.	13922.	7603.	1453.	545.	497.	497.	473.	473.	28557.

PEACHLAND CR. WET YEAR (NATURAL FLOW)

Figure A.42

Date of Print-out:
Oct. 26, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT STORAGE	1	4304.	4309.	4309.	4309.	6702.	9575.	7851.	6032.	4309.	4309.	4309.	4309.	
CONTROL POINT STORAGE	2	0.	0.	0.	0.	81.	81.	54.	27.	0.	0.	0.	0.	
MEASURING POINT FLOW	2	35.	62.	81.	308.	5800.	2297.	2120.	1979.	1813.	104.	67.	52.	14717.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	3	24.	27.	37.	89.	519.	282.	106.	53.	52.	25.	25.	25.	1263.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	6	152.	195.	261.	726.	8691.	3709.	2525.	2131.	1963.	228.	191.	176.	20950.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	7	294.	370.	477.	1249.	12762.	5768.	3007.	2299.	2123.	385.	350.	335.	29622.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	9	338.	429.	536.	1481.	13308.	5655.	2727.	1871.	1975.	427.	389.	374.	29518.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT DEMAND, IRRIGATION	1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
FLOW, UPSTREAM		124.	142.	173.	335.	3587.	872.	2120.	2028.	1895.	171.	147.	147.	11740.
FLOW, DOWNSTREAM		0.	18.	34.	211.	3463.	733.	1996.	1904.	1756.	47.	23.	8.	10192.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT DEMAND, IRRIGATION	2	0.	0.	0.	0.	280.	467.	467.	467.	187.	0.	0.	0.	1868.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	280.	467.	467.	467.	187.	0.	0.	0.	1868.
FLOW, UPSTREAM		307.	388.	495.	1318.	13012.	5875.	3062.	2311.	2135.	400.	362.	347.	30012.
FLOW, DOWNSTREAM		307.	388.	495.	1318.	12732.	5408.	2595.	1844.	1948.	400.	362.	347.	28144.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
GRAND TOTALS FOR ALL THE USE POINTS: DEMAND, IRRIGATION		0.	0.	0.	0.	280.	467.	467.	467.	187.	0.	0.	0.	1868.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		124.	124.	139.	124.	404.	606.	591.	591.	326.	124.	124.	139.	3416.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

PEACHLAND CR. WET YEAR (1970)

Figure A.43

Date of Print-out:
Oct. 25, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT STORAGE	1	4288.	4293.	4293.	4293.	6678.	9540.	7823.	6010.	4293.	4293.	4293.	4293.	
CONTROL POINT STORAGE	2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	2	35.	62.	81.	308.	5809.	2307.	2113.	1973.	1806.	104.	67.	52.	14717.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	3	24.	27.	37.	89.	600.	282.	79.	25.	25.	25.	25.	25.	1263.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	4	152.	195.	261.	728.	8781.	3719.	2492.	2097.	1930.	228.	191.	176.	20950.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	7	294.	370.	477.	1249.	12852.	5778.	2974.	2265.	2090.	388.	350.	335.	29422.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	9	280.	382.	478.	1411.	12839.	4777.	1771.	914.	1555.	345.	331.	316.	25399.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT DEMAND, IRRIGATION	1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
FLOW, UPSTREAM		124.	142.	173.	335.	3596.	882.	2113.	2022.	1888.	171.	147.	147.	11740.
FLOW, DOWNSTREAM		0.	18.	34.	211.	3472.	743.	1989.	1898.	1749.	47.	23.	8.	10192.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT DEMAND, IRRIGATION	2	0.	0.	0.	0.	722.	1203.	1203.	1203.	481.	0.	0.	0.	4812.
DEMAND, DOMESTIC		58.	47.	58.	70.	117.	152.	187.	187.	93.	82.	58.	58.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		58.	47.	58.	70.	839.	1355.	1390.	1390.	574.	82.	58.	58.	5979.
FLOW, UPSTREAM		307.	388.	495.	1318.	13102.	5585.	3029.	2277.	2102.	400.	362.	347.	30012.
FLOW, DOWNSTREAM		249.	341.	437.	1248.	12263.	4530.	1639.	887.	1528.	318.	304.	289.	24033.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
GRAND TOTALS FOR ALL THE USE POINTS: DEMAND, IRRIGATION		0.	0.	0.	0.	722.	1203.	1203.	1203.	481.	0.	0.	0.	4812.
DEMAND, DOMESTIC		58.	47.	58.	70.	117.	152.	187.	187.	93.	82.	58.	58.	1167.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		182.	171.	197.	194.	963.	1494.	1514.	1514.	713.	206.	182.	197.	7527.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

PEACHLAND CR. WET YR. (2020) HIGH GROWTH

Figure A.44

Date of Print-out:
Oct. 23, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT STORAGE	1	4288.	4293.	4293.	4293.	6678.	9540.	7823.	6010.	4293.	4293.	4293.	4293.	
CONTROL POINT STORAGE	2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	2	35.	62.	81.	308.	5809.	2307.	2113.	1973.	1806.	104.	67.	52.	14717.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	3	24.	27.	37.	89.	600.	282.	79.	25.	25.	25.	25.	25.	1263.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	4	152.	195.	261.	728.	8781.	3719.	2492.	2097.	1930.	228.	191.	176.	20950.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	7	294.	370.	477.	1249.	12852.	5778.	2974.	2265.	2090.	388.	350.	335.	29422.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	9	295.	395.	493.	1430.	13032.	5086.	2089.	1232.	1687.	367.	346.	331.	26783.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT DEMAND, IRRIGATION	1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
FLOW, UPSTREAM		124.	142.	173.	335.	3596.	882.	2113.	2022.	1888.	171.	147.	147.	11740.
FLOW, DOWNSTREAM		0.	18.	34.	211.	3472.	743.	1989.	1898.	1749.	47.	23.	8.	10192.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT DEMAND, IRRIGATION	2	0.	0.	0.	0.	561.	935.	935.	935.	374.	0.	0.	0.	3740.
DEMAND, DOMESTIC		43.	34.	43.	51.	85.	111.	137.	137.	68.	60.	43.	43.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		43.	34.	43.	51.	646.	1046.	1072.	1072.	442.	60.	43.	43.	4595.
FLOW, UPSTREAM		307.	388.	495.	1318.	13102.	5885.	3029.	2277.	2102.	400.	362.	347.	30012.
FLOW, DOWNSTREAM		264.	356.	452.	1267.	12456.	4839.	1957.	1205.	1660.	340.	319.	304.	25417.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
GRAND TOTALS FOR ALL THE USE POINTS: DEMAND, IRRIGATION		0.	0.	0.	0.	561.	935.	935.	935.	374.	0.	0.	0.	3740.
DEMAND, DOMESTIC		43.	34.	43.	51.	85.	111.	137.	137.	68.	60.	43.	43.	855.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		167.	158.	182.	175.	770.	1185.	1196.	1196.	581.	184.	167.	182.	6143.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

PEACHLAND CR. WET YR. (2020) MED. GROWTH

Figure A.45

Date of Print-out:
Oct. 22, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

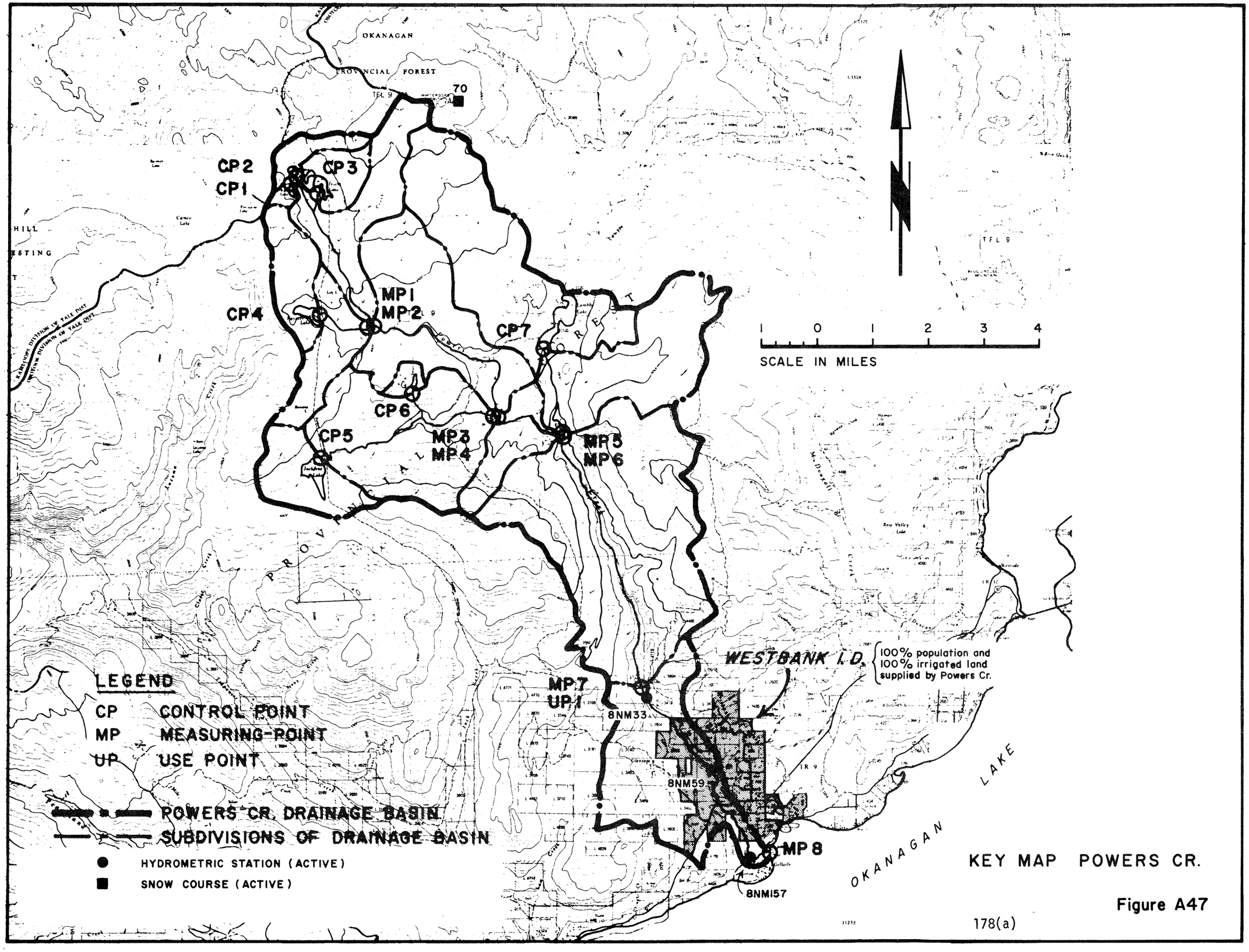
		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT STORAGE	1	4288.	4293.	4293.	4293.	6678.	9540.	7823.	6010.	4293.	4293.	4293.	4293.	
CONTROL POINT STORAGE	2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	2	35.	62.	81.	308.	5809.	2307.	2113.	1973.	1806.	104.	57.	52.	14717.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	3	24.	27.	37.	99.	600.	282.	79.	25.	25.	25.	25.	25.	1263.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	4	152.	195.	261.	728.	8781.	3719.	2492.	2097.	1930.	228.	191.	176.	20950.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	7	294.	370.	477.	1249.	12852.	5778.	2974.	2265.	2090.	388.	350.	335.	29422.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT FLOW	9	316.	412.	514.	1455.	13402.	5587.	2703.	1846.	1939.	397.	367.	352.	29390.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
FLOW, UPSTREAM		124.	142.	173.	335.	3596.	882.	2113.	2022.	1888.	171.	147.	147.	11740.
FLOW, DOWNSTREAM		0.	18.	34.	211.	3472.	743.	1989.	1898.	1749.	47.	23.	8.	10192.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	233.	389.	389.	389.	155.	0.	0.	0.	1555.
DEMAND, DOMESTIC		22.	17.	22.	26.	43.	56.	59.	69.	35.	30.	22.	22.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		22.	17.	22.	26.	276.	445.	458.	458.	190.	30.	22.	22.	1988.
FLOW, UPSTREAM		307.	388.	495.	1318.	13102.	5885.	3029.	2277.	2102.	400.	362.	347.	30012.
FLOW, DOWNSTREAM		285.	371.	473.	1292.	12826.	5440.	2571.	1819.	1912.	370.	340.	325.	28024.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	233.	389.	389.	389.	155.	0.	0.	0.	1555.
DEMAND, DOMESTIC		22.	17.	22.	26.	43.	56.	59.	69.	35.	30.	22.	22.	433.
DEMAND, INDUSTRIAL		124.	124.	139.	124.	124.	139.	124.	124.	139.	124.	124.	139.	1548.
DEMAND, TOTAL		146.	141.	161.	150.	400.	584.	582.	582.	329.	154.	146.	161.	3536.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

PEACHLAND CR. WET YR. (2020) LOW GROWTH

Figure A.46

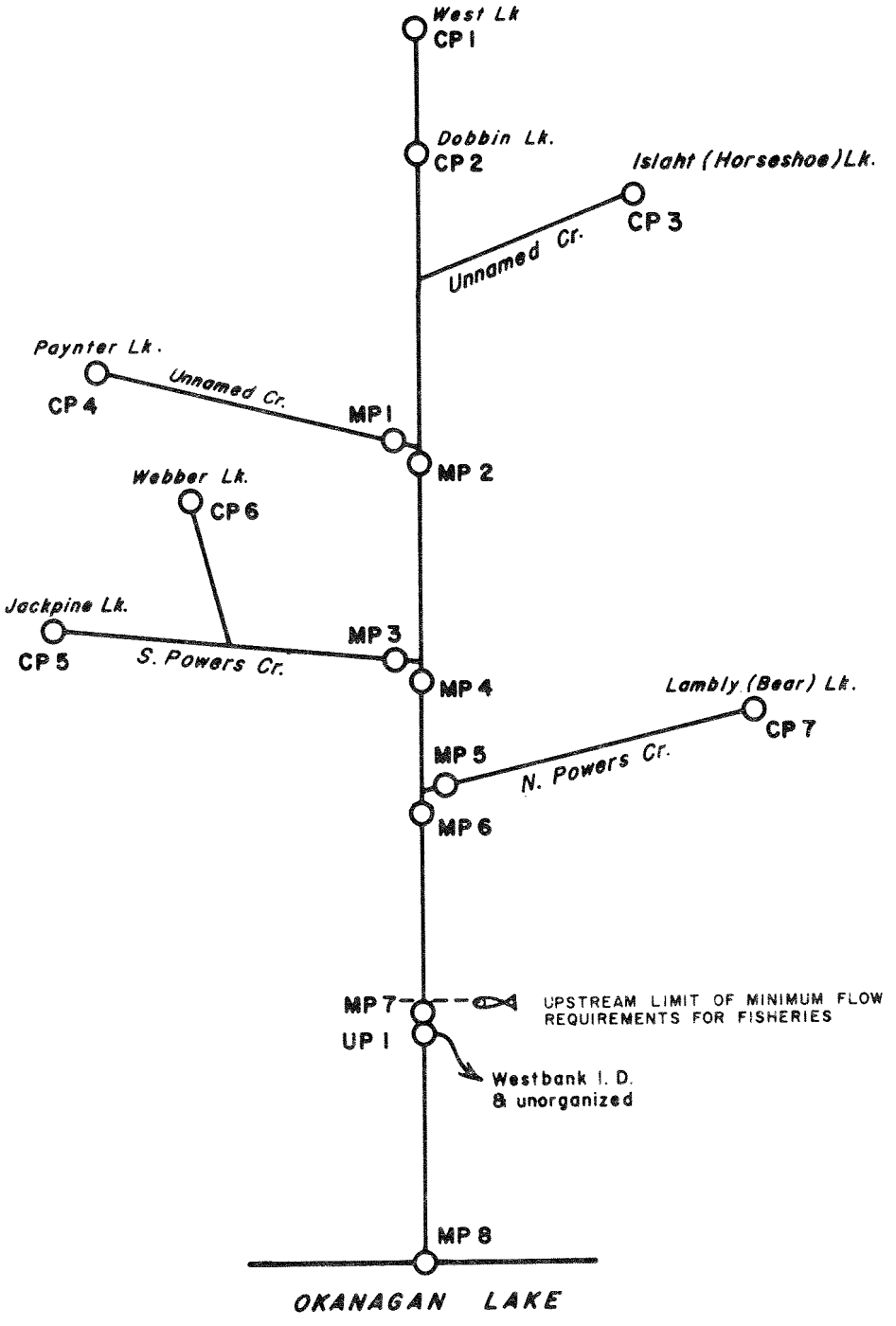
APPENDIX A-5

POWERS CREEK DATA



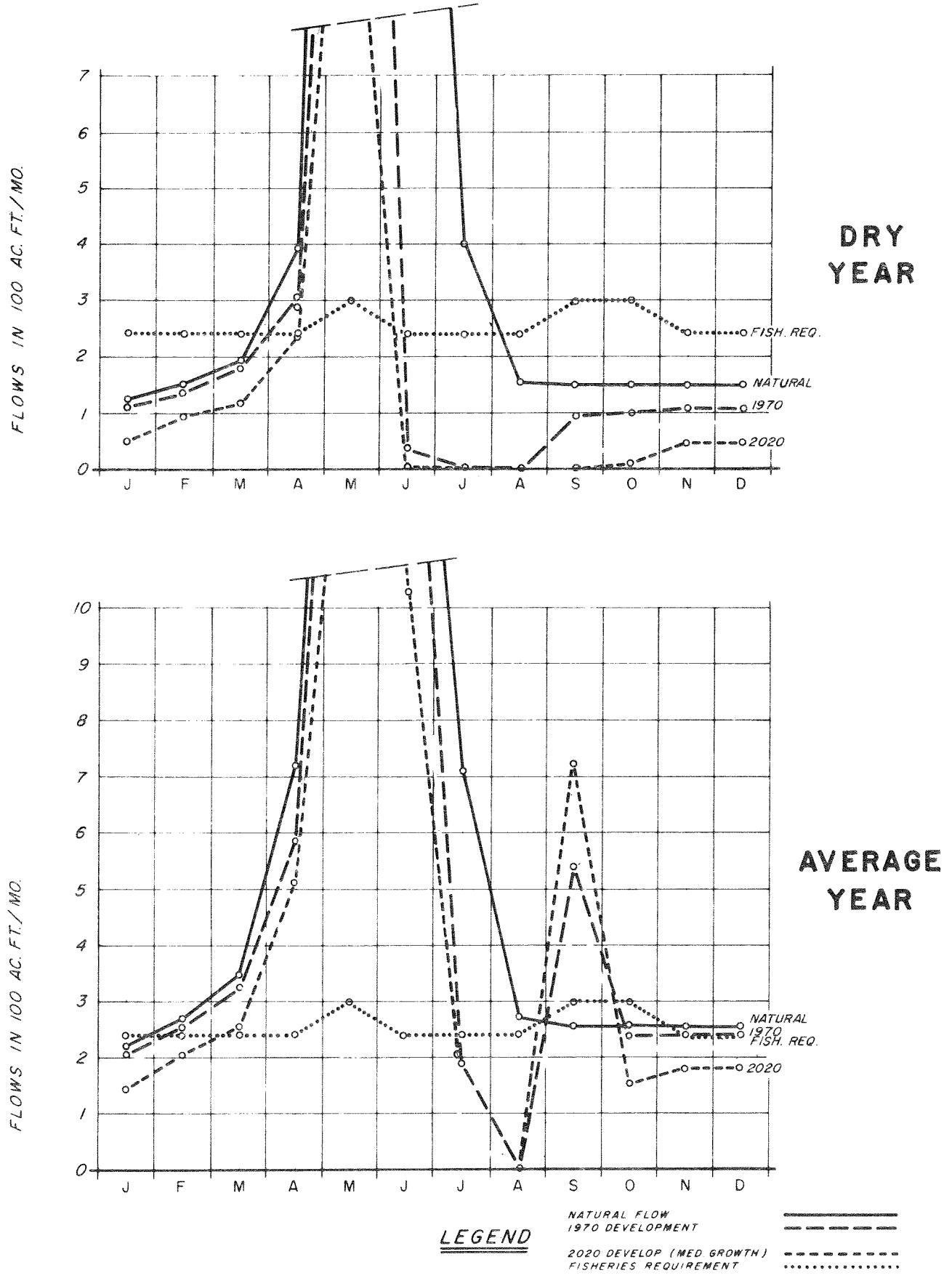
KEY MAP POWERS CR.

Figure A47



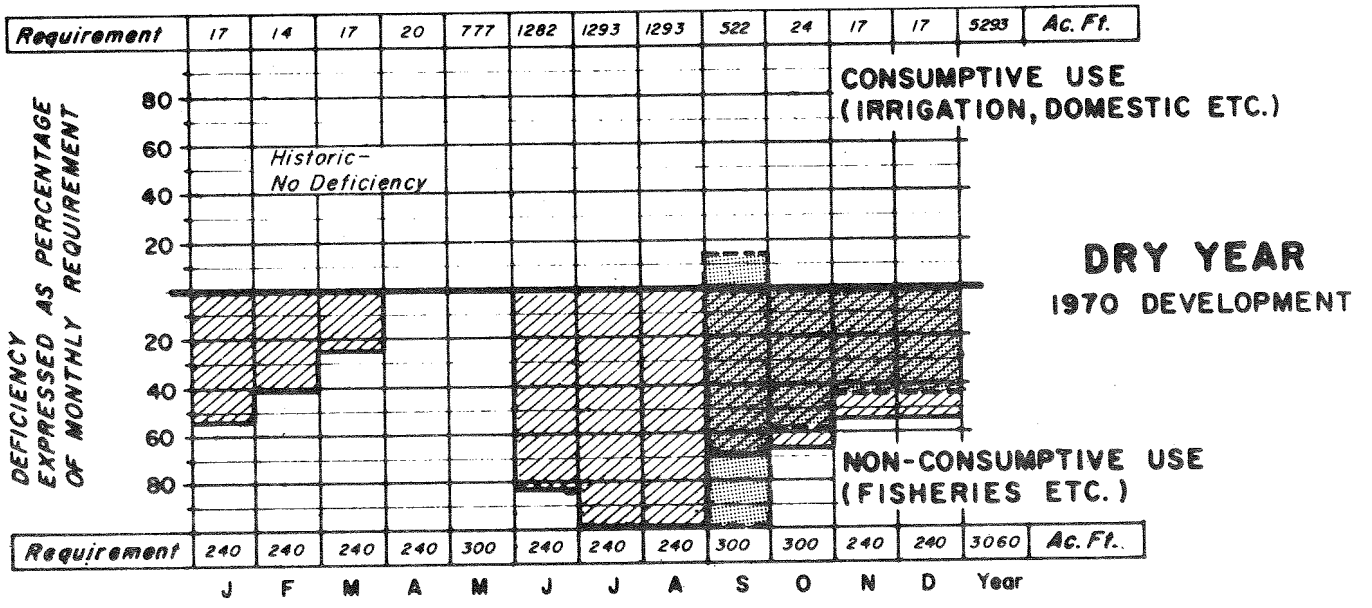
POWERS CR. SCHEMATIC

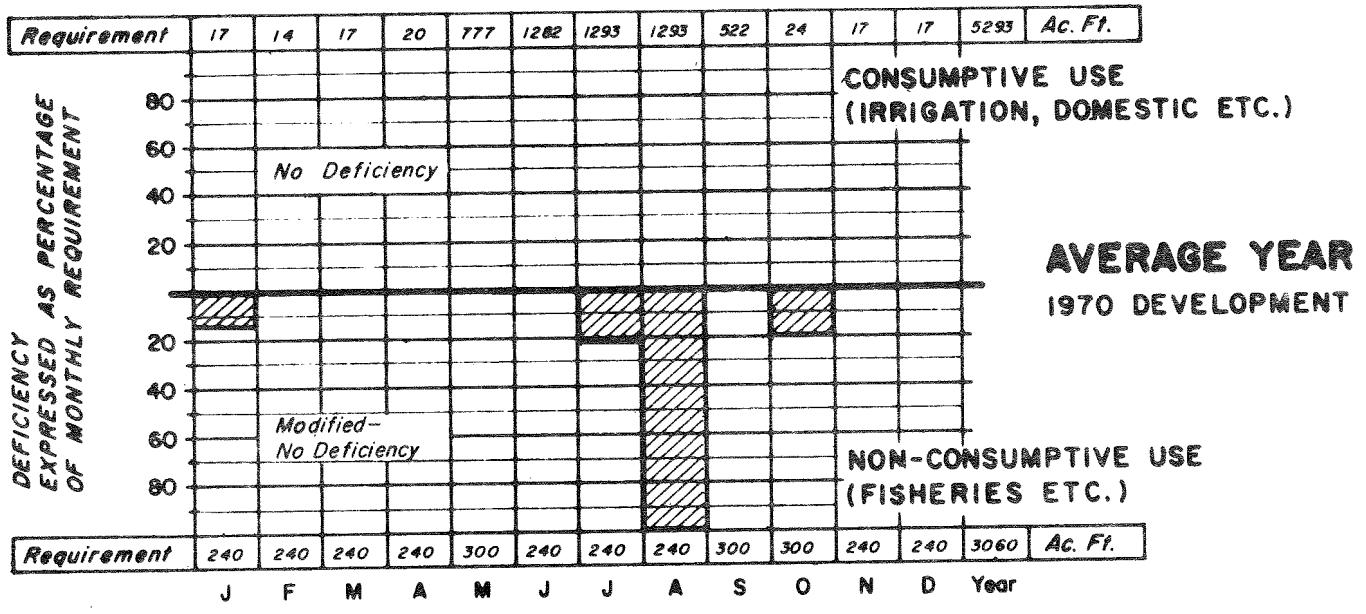
Figure A.48



POWERS CR. (MP8)
HYDROGRAPHS OF FLOWS AT MOUTH

Figure A.49

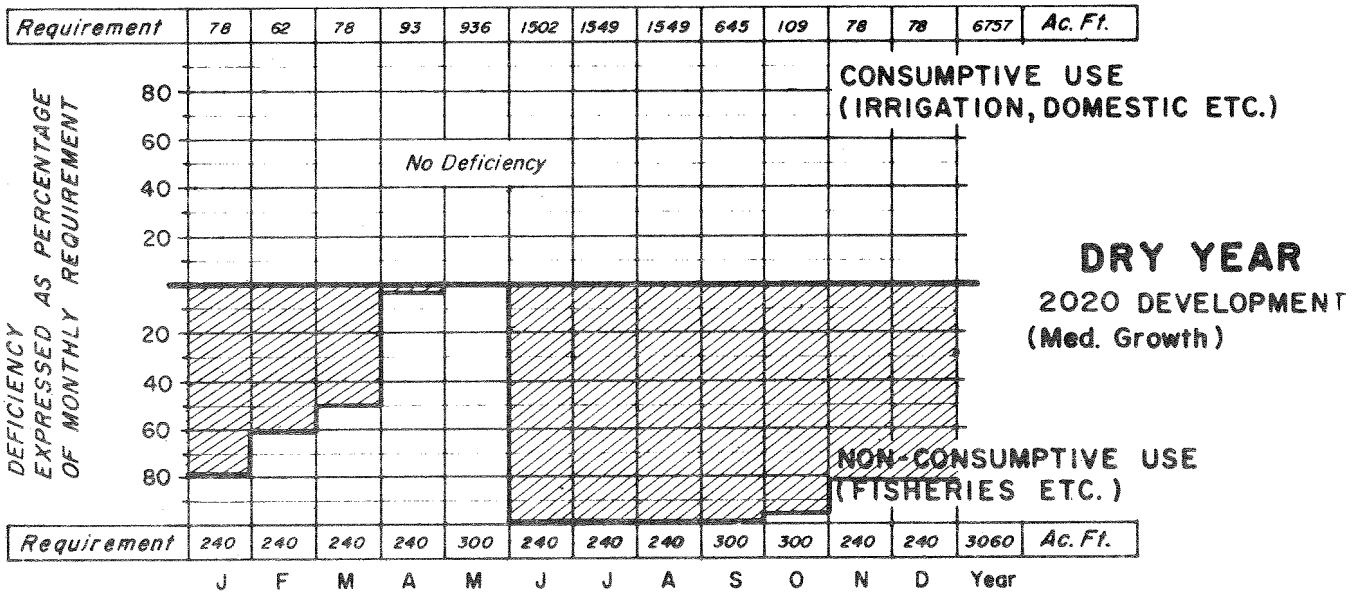


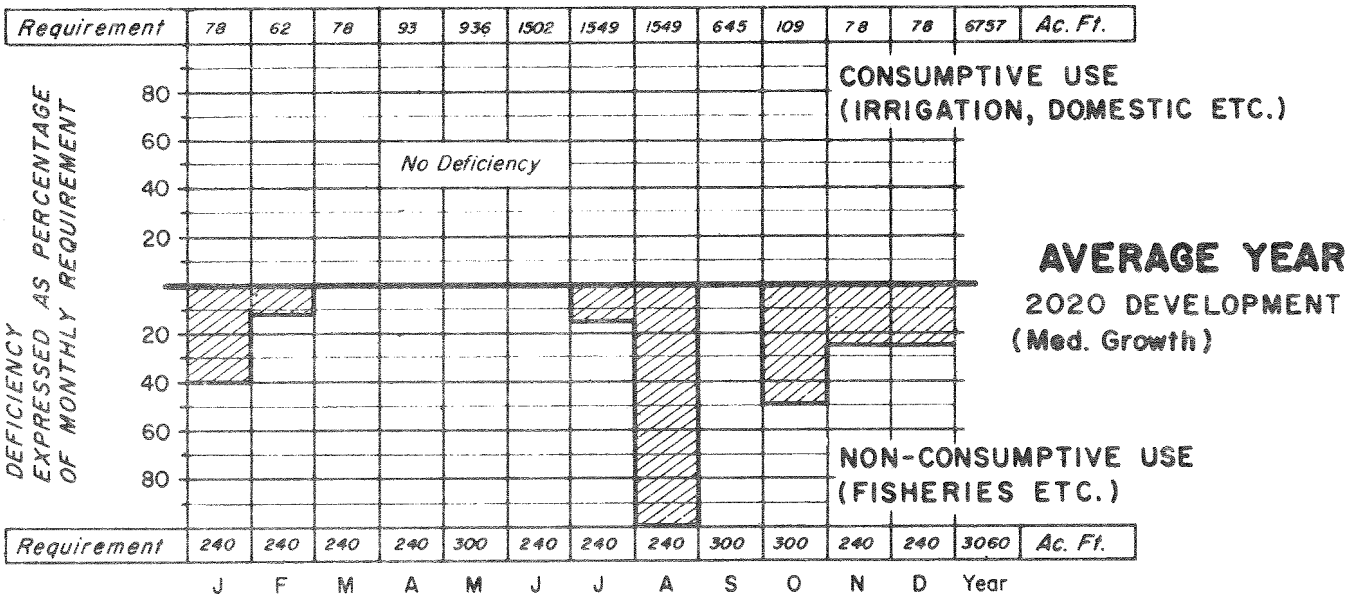


LEGEND
Historic (Simulated) Operation
Modified (Simulated) Operation

NOTES: 1. Consumptive Use deficiencies are totals for whole basin.
2. Non-Consumptive deficiencies are those extant at creek mouth.
3. In a Wet Year, a fisheries deficiency of $^{53\,(Hist)}/_{0\,(Mod)}$ ac. ft. exists at mouth in August.

POWERS CR. (1970) DEFICIENCY DIAGRAM Figure A.50





LEGEND ////// Historic (Simulated) Operation

NOTES:
1. Consumptive Use deficiencies are totals for whole basin.
2. Non-Consumptive deficiencies are those extant at creek mouth.
3. In a Wet Year, a fisheries deficiency of 22 ac. ft. exists at mouth in Aug.

POWERS CR. (2020) DEFICIENCY DIAGRAM Figure A.51

Date Of Print - out:
Dec. 7, 1972

FLOWS IN AC. FT.

LOCATION	AREA IN K. AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR
CPDA 1	0.1	1.	1.	1.	1.	29.	17.	2.	1.	1.	1.	1.	1.	56.
CPDA 2	0.6	3.	4.	5.	8.	164.	102.	11.	6.	5.	5.	4.	4.	322.
CPDA 3	0.7	4.	5.	6.	10.	183.	111.	12.	7.	6.	6.	5.	5.	359.
CPDA 4	1.1	6.	8.	9.	16.	205.	111.	18.	8.	8.	8.	8.	8.	411.
MPDA 1	2.3	12.	16.	20.	33.	399.	211.	37.	16.	16.	16.	16.	16.	805.
MPDA 2	5.6	25.	33.	39.	69.	924.	516.	78.	36.	33.	33.	32.	32.	1852.
CPDA 5	1.2	6.	6.	9.	17.	149.	73.	17.	6.	6.	6.	6.	6.	306.
CPDA 6	0.2	1.	1.	1.	3.	21.	10.	3.	1.	1.	1.	1.	1.	44.
MPDA 3	5.2	22.	25.	34.	72.	623.	312.	70.	26.	25.	25.	25.	25.	1282.
MPDA 4	14.4	62.	75.	97.	190.	1970.	1040.	195.	79.	75.	75.	74.	74.	4005.
CPDA 7	4.7	21.	26.	32.	63.	743.	413.	67.	29.	26.	26.	25.	25.	1497.
MPDA 5	7.7	35.	43.	54.	104.	1164.	628.	109.	46.	43.	43.	42.	42.	2355.
MPDA 6	23.2	101.	122.	157.	307.	3231.	1715.	317.	130.	122.	122.	120.	120.	6564.
MPDA 7	31.3	126.	153.	197.	391.	3944.	2071.	397.	159.	151.	151.	149.	149.	8038.
MPDA 8	35.3	126.	154.	197.	392.	3948.	2072.	398.	159.	151.	151.	150.	150.	8048.

Revised May 1973

POWERS CR. DRY YEAR (NATURAL FLOW)

Figure A.52

Date of Print-out:
Oct. 26, 1972

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	29.	46.	42.	20.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	104.	104.	70.	34.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	215.	343.	230.	113.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	205.	316.	257.	127.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		480.	480.	480.	480.	629.	702.	719.	643.	480.	480.	480.	480.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	21.	31.	34.	33.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		540.	540.	540.	603.	1346.	1759.	1054.	299.	125.	351.	376.	401.	
MEASURING POINT	1													
FLOW		12.	16.	19.	33.	194.	100.	96.	147.	143.	16.	16.	16.	807.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	2													
FLOW		28.	34.	40.	69.	373.	259.	290.	340.	329.	34.	33.	33.	1859.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		23.	25.	34.	72.	453.	230.	90.	103.	221.	25.	25.	25.	1286.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		64.	76.	97.	189.	1249.	701.	387.	459.	867.	76.	75.	75.	4015.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		35.	43.	54.	41.	420.	215.	814.	801.	17.	17.	17.	17.	2491.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		103.	123.	157.	243.	1766.	963.	1211.	1264.	588.	97.	96.	96.	6709.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		111.	140.	180.	307.	1706.	39.	1.	0.	95.	102.	108.	108.	2897.
DEFICIENCY (FISH)		129.	100.	60.	0.	0.	201.	239.	240.	205.	198.	132.	132.	1636.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	743.	1238.	1238.	1238.	495.	0.	0.	0.	4952.
DEMAND, DOMESTIC		17.	14.	17.	20.	34.	44.	55.	55.	27.	24.	17.	17.	341.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		17.	14.	17.	20.	777.	1282.	1293.	1293.	522.	24.	17.	17.	5293.
FLOW, UPSTREAM		128.	154.	197.	326.	2479.	1319.	1293.	1293.	617.	126.	125.	125.	8182.
FLOW, DOWNSTREAM		111.	140.	180.	306.	1702.	37.	0.	0.	95.	102.	108.	108.	2889.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		129.	100.	60.	0.	0.	203.	240.	240.	205.	198.	132.	132.	1639.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	743.	1238.	1238.	1238.	495.	0.	0.	0.	4952.
DEMAND, DOMESTIC		17.	14.	17.	20.	34.	44.	55.	55.	27.	24.	17.	17.	341.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		17.	14.	17.	20.	777.	1282.	1293.	1293.	522.	24.	17.	17.	5293.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

POWERS CR. DRY YEAR (1970) Figure A.53

Date of Print - out :
Feb. 9 , 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	29.	46.	42.	20.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	104.	104.	70.	34.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	215.	411.	435.	215.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	205.	316.	257.	127.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		480.	480.	480.	480.	629.	702.	719.	8.	0.	6.	12.	18.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	21.	31.	34.	33.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		768.	768.	768.	831.	1574.	1620.	396.	0.	0.	15.	40.	65.	
MEASURING POINT	1													
FLOW		12.	16.	19.	33.	194.	100.	96.	147.	143.	15.	15.	16.	807.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	2													
FLOW		26.	34.	40.	69.	373.	191.	152.	444.	430.	34.	33.	33.	1859.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		23.	25.	34.	72.	453.	230.	50.	738.	66.	19.	19.	19.	1748.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		64.	76.	97.	189.	1249.	633.	249.	1199.	513.	70.	69.	69.	4677.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		35.	43.	54.	41.	420.	582.	1333.	442.	43.	28.	17.	17.	3055.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		103.	123.	157.	243.	1766.	1262.	1594.	1645.	560.	102.	90.	90.	7735.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		34.	79.	103.	215.	1471.	2.	1.	0.	0.	0.	25.	25.	1955.
DEFICIENCY (FISH)		206.	161.	137.	26.	0.	238.	239.	240.	300.	300.	215.	215.	2276.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	825.	1375.	1375.	1375.	550.	0.	0.	0.	5500.
DEMAND, DOMESTIC		94.	75.	94.	112.	187.	243.	299.	299.	150.	131.	94.	94.	1872.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		94.	75.	94.	112.	1012.	1618.	1674.	1674.	700.	131.	94.	94.	7372.
FLOW, UPSTREAM		128.	154.	197.	326.	2479.	1618.	1674.	1674.	589.	131.	119.	119.	9208.
FLOW, DOWNSTREAM		34.	79.	103.	214.	1467.	0.	0.	0.	0.	0.	25.	25.	1947.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	111.	0.	0.	0.	111.
DEFICIENCY (FISH)		206.	161.	137.	26.	0.	240.	240.	240.	300.	300.	215.	215.	2280.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	825.	1375.	1375.	1375.	550.	0.	0.	0.	5500.
DEMAND, DOMESTIC		94.	75.	94.	112.	187.	243.	299.	299.	150.	131.	94.	94.	1872.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		94.	75.	94.	112.	1012.	1618.	1674.	1674.	700.	131.	94.	94.	7372.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	111.	0.	0.	0.	111.

POWERS CR. DRY YEAR (2020) HIGH GROWTH

Figure A.54

Date of Print-out:
Feb. 12 , 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	29.	46.	42.	20.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	104.	104.	70.	34.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	215.	411.	435.	215.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	205.	316.	257.	127.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		480.	480.	480.	480.	629.	702.	719.	376.	310.	316.	322.	328.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	21.	31.	34.	33.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		768.	768.	768.	831.	1574.	1736.	637.	0.	0.	26.	51.	76.	
MEASURING POINT	1													
FLOW		12.	16.	19.	33.	194.	100.	96.	147.	143.	16.	15.	15.	807.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	2													
FLOW		26.	34.	40.	69.	373.	191.	152.	444.	430.	34.	33.	33.	1859.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		23.	25.	34.	72.	453.	230.	50.	372.	122.	19.	19.	19.	1438.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		64.	76.	97.	189.	1249.	633.	249.	833.	569.	70.	69.	69.	4167.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		35.	43.	54.	41.	420.	466.	1208.	683.	43.	17.	17.	17.	3044.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		103.	123.	157.	243.	1766.	1146.	1469.	1520.	616.	91.	90.	90.	7414.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		50.	92.	119.	234.	1547.	2.	1.	0.	0.	11.	41.	41.	2138.
DEFICIENCY (FISH)		190.	148.	121.	6.	0.	238.	239.	240.	300.	289.	199.	199.	2169.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	780.	1300.	1300.	1300.	520.	0.	0.	0.	5200.
DEMAND, DOMESTIC		78.	62.	78.	93.	156.	202.	249.	249.	125.	109.	78.	78.	1557.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		78.	62.	78.	93.	936.	1502.	1549.	1549.	645.	109.	78.	78.	6757.
FLOW, UPSTREAM		128.	154.	197.	326.	2479.	1502.	1549.	1549.	645.	120.	119.	119.	8887.
FLOW, DOWNSTREAM		50.	92.	119.	233.	1543.	0.	0.	0.	0.	11.	41.	41.	2130.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		190.	148.	121.	7.	0.	240.	240.	240.	300.	289.	199.	199.	2173.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	780.	1300.	1300.	1300.	520.	0.	0.	0.	5200.
DEMAND, DOMESTIC		78.	62.	78.	93.	156.	202.	249.	249.	125.	109.	78.	78.	1557.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		78.	62.	78.	93.	936.	1502.	1549.	1549.	645.	109.	78.	78.	6757.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

POWERS CR. DRY YR. (2020) MED. GROWTH

Figure A.55

Date of Print-out:
Feb. 16, 1973.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	29.	46.	42.	20.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	104.	104.	70.	34.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	215.	411.	435.	215.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	205.	316.	257.	127.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		480.	480.	480.	480.	629.	702.	719.	643.	480.	480.	480.	480.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	21.	31.	34.	33.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		768.	768.	768.	831.	1574.	1987.	1155.	516.	542.	568.	593.	618.	
MEASURING POINT	1													
FLOW		12.	16.	19.	33.	194.	100.	96.	147.	143.	16.	16.	15.	807.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	2													
FLOW		26.	34.	40.	69.	373.	191.	152.	444.	430.	34.	33.	33.	1859.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		23.	25.	34.	72.	453.	230.	50.	103.	221.	25.	25.	25.	1286.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		64.	76.	97.	189.	1249.	633.	249.	564.	668.	76.	75.	73.	4015.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		35.	43.	54.	41.	420.	215.	941.	585.	17.	17.	17.	17.	2502.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		103.	123.	157.	243.	1766.	895.	1202.	1253.	689.	97.	96.	96.	6720.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		66.	104.	135.	252.	1709.	8.	1.	0.	185.	39.	63.	63.	2625.
DEFICIENCY (FISH)		174	136	105	0.	0.	232	239	240	115	261	177	177	1856
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	650.	1083.	1083.	1083.	433.	0.	0.	0.	4332.
DEMAND, DOMESTIC		62.	50.	62.	75.	124.	162.	199.	199.	100.	87.	62.	62.	1244.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		62.	50.	62.	75.	774.	1245.	1282.	1282.	533.	87.	62.	62.	5576.
FLOW, UPSTREAM		128.	154.	197.	326.	2479.	1251.	1282.	1282.	718.	126.	125.	125.	8193.
FLOW, DOWNSTREAM		66.	104.	135.	251.	1705.	6.	0.	0.	185.	39.	63.	63.	2617.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		174	136	105	0.	0.	234	240	240	115	261	177	177	1859
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	650.	1083.	1083.	1083.	433.	0.	0.	0.	4332.
DEMAND, DOMESTIC		62.	50.	62.	75.	124.	162.	199.	199.	100.	87.	62.	62.	1244.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		62.	50.	62.	75.	774.	1245.	1282.	1282.	533.	87.	62.	62.	5576.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

POWERS CR. DRY YR. (2020) LOW GROWTH

Figure A.56

Date Of Print-out:
Dec 7, 1972

FLOWS IN AC. FT.

LOCATION	AREA IN K. AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR
CPDA 1	0.1	1.	1.	1.	2.	43.	26.	3.	2.	1.	1.	1.	1.	85.
CPDA 2	0.6	5.	7.	7.	13.	248.	153.	16.	9.	7.	7.	7.	7.	486.
CPDA 3	0.7	6.	8.	9.	15.	277.	168.	19.	10.	9.	9.	8.	8.	545.
CPDA 4	1.1	9.	12.	15.	26.	329.	178.	29.	13.	12.	12.	12.	12.	662.
MPDA 1	2.3	20.	25.	32.	55.	649.	343.	60.	26.	25.	25.	25.	25.	1312.
MPDA 2	5.6	41.	54.	65.	117.	1482.	820.	130.	58.	54.	54.	53.	53.	2980.
CPDA 5	1.2	10.	11.	15.	30.	256.	125.	29.	11.	11.	11.	11.	11.	529.
CPDA 6	0.2	2.	2.	2.	5.	37.	18.	3.	2.	2.	2.	2.	2.	78.
MPDA 3	5.2	40.	44.	60.	128.	1080.	536.	123.	45.	43.	43.	43.	43.	2227.
MPDA 4	14.4	107.	128.	166.	333.	3299.	1723.	337.	133.	126.	126.	125.	125.	6730.
CPDA 7	4.7	36.	44.	54.	111.	1218.	666.	114.	48.	44.	44.	42.	42.	2462.
MPDA 5	7.7	59.	73.	93.	182.	1927.	1027.	187.	77.	73.	73.	71.	71.	3913.
MPDA 6	23.2	174.	209.	270.	541.	5408.	2837.	547.	218.	207.	207.	204.	204.	11026.
MPDA 7	31.3	220.	266.	342.	701.	6683.	3466.	698.	271.	259.	259.	257.	257.	13680.
MPDA 8	35.3	223.	270.	346.	718.	6740.	3490.	712.	274.	262.	262.	260.	260.	13818.

Revised May 1973

POWERS CR. AVERAGE YEAR (NATURAL FLOW)

Figure A. 57

Date of Print-out:
Oct. 26, 1972

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	43.	62.	42.	20.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	104.	104.	78.	34.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	343.	343.	230.	113.	0.	0.	0.	0.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	329.	384.	257.	127.	0.	0.	0.	0.	
CONTROL POINT	9													
STORAGE		480.	480.	480.	480.	736.	861.	797.	643.	480.	480.	480.	480.	
CONTROL POINT	8													
STORAGE		0.	0.	0.	0.	37.	98.	88.	33.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		540.	540.	540.	651.	1001.	1091.	1307.	849.	540.	540.	540.	540.	
MEASURING POINT	1													
FLOW		19.	29.	32.	98.	320.	286.	187.	157.	152.	25.	29.	25.	1309.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	2													
FLOW		40.	93.	65.	117.	663.	745.	425.	362.	349.	56.	52.	92.	2976.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		48.	44.	68.	128.	786.	394.	182.	226.	248.	44.	44.	44.	2232.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		187.	128.	166.	333.	2187.	1506.	691.	617.	619.	128.	126.	126.	6734.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		68.	74.	92.	71.	777.	1027.	601.	615.	382.	73.	71.	71.	3914.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		174.	218.	269.	438.	3146.	2620.	1315.	1248.	1009.	299.	295.	295.	11032.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	0													
FLOW		206.	257.	328.	888.	3788.	1991.	187.	3.	943.	241.	244.	244.	9537.
DEFICIENCY (FISH)		34.	0.	0.	0.	0.	0.	53.	237.	0.	59.	0.	0.	383.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	743.	1238.	1238.	1238.	495.	0.	0.	0.	4957.
DEMAND, DOMESTIC		17.	14.	17.	20.	34.	44.	55.	55.	27.	24.	17.	17.	341.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		17.	14.	17.	20.	777.	1282.	1293.	1293.	522.	24.	17.	17.	5298.
FLOW, UPSTREAM		220.	267.	341.	891.	4420.	3249.	1400.	1293.	1062.	262.	258.	258.	13867.
FLOW, DOWNSTREAM		203.	253.	324.	871.	3643.	1967.	173.	0.	540.	238.	241.	241.	8994.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		37.	0.	0.	0.	0.	0.	87.	240.	0.	82.	0.	0.	488.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	743.	1238.	1238.	1238.	495.	0.	0.	0.	4952.
DEMAND, DOMESTIC		17.	14.	17.	20.	34.	44.	55.	55.	27.	24.	17.	17.	341.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		17.	14.	17.	20.	777.	1282.	1293.	1293.	522.	24.	17.	17.	5293.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

POWERS CR. AVERAGE YEAR (1970)

Figure A.58

Date of Print - out :
Feb. 9 , 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTRCL POINT	1													
STORAGE		0.	0.	0.	0.	43.	62.	42.	20.	0.	0.	0.	0.	
CONTRCL POINT	2													
STORAGE		0.	0.	0.	0.	104.	104.	70.	34.	0.	0.	0.	0.	
CONTRCL POINT	3													
STORAGE		0.	0.	0.	0.	378.	650.	435.	215.	0.	0.	0.	0.	
CONTRCL POINT	4													
STORAGE		0.	0.	0.	0.	329.	384.	257.	127.	0.	0.	0.	0.	
CONTRCL POINT	5													
STORAGE		480.	480.	480.	480.	736.	861.	797.	643.	480.	480.	480.	480.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	37.	55.	60.	33.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		768.	768.	768.	879.	2097.	2560.	1971.	1157.	768.	768.	768.	768.	
MEASURING POINT	1													
FLOW		19.	25.	32.	55.	320.	288.	187.	157.	152.	25.	25.	25.	1309.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	2													
FLOW		40.	53.	65.	117.	628.	473.	526.	466.	450.	56.	52.	52.	2976.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		40.	44.	60.	128.	786.	394.	182.	226.	240.	44.	44.	44.	2232.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		107.	128.	166.	333.	2152.	1234.	792.	722.	720.	126.	126.	126.	6734.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		60.	74.	92.	71.	709.	564.	776.	891.	462.	73.	71.	71.	3914.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		174.	210.	269.	430.	3043.	1885.	1591.	1621.	1190.	209.	205.	205.	11032.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		129.	196.	251.	496.	3362.	920.	82.	3.	546.	134.	167.	167.	6453.
DEFICIENCY (FISH)		111.	44.	0.	0.	0.	0.	198.	237.	0.	188.	73.	73.	862.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	825.	1375.	1375.	1375.	550.	0.	0.	0.	5500.
DEMAND, DOMESTIC		94.	75.	94.	112.	187.	243.	299.	299.	150.	131.	94.	94.	1872.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		94.	75.	94.	112.	1012.	1618.	1674.	1674.	700.	131.	94.	94.	7372.
FLOW, UPSTREAM		220.	267.	341.	591.	4317.	2514.	1742.	1674.	1243.	262.	258.	258.	13687.
FLOW, DOWNSTREAM		126.	192.	247.	479.	3305.	896.	68.	0.	543.	131.	164.	164.	6315.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		114.	48.	0.	0.	0.	0.	172.	240.	0.	169.	76.	76.	895.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	825.	1375.	1375.	1375.	550.	0.	0.	0.	5500.
DEMAND, DOMESTIC		94.	75.	94.	112.	187.	243.	299.	299.	150.	131.	94.	94.	1872.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		94.	75.	94.	112.	1012.	1618.	1674.	1674.	700.	131.	94.	94.	7372.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

POWERS CR. AVG. YEAR (2020) HIGH GROWTH

Figure A.59

Date of Print-out:
Feb. 12, 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	43.	62.	42.	20.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	104.	104.	70.	34.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	378.	650.	435.	215.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	329.	384.	257.	127.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		480.	480.	480.	480.	736.	861.	797.	643.	480.	480.	480.	480.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	37.	55.	60.	33.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		768.	768.	768.	879.	2097.	2560.	1971.	1282.	768.	768.	768.	768.	
MEASURING POINT	1													
FLOW		19.	25.	32.	55.	320.	288.	187.	157.	152.	25.	25.	25.	1309.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	2													
FLOW		40.	53.	65.	117.	628.	473.	526.	456.	450.	54.	52.	52.	2976.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		40.	44.	60.	128.	786.	394.	182.	226.	240.	44.	44.	44.	2232.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		107.	128.	166.	333.	2152.	1234.	792.	722.	720.	128.	126.	126.	6734.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		60.	74.	92.	71.	709.	564.	776.	766.	587.	73.	71.	71.	3914.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		174.	210.	259.	430.	3043.	1885.	1591.	1496.	1315.	209.	205.	205.	11032.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		145.	209.	267.	515.	3438.	1036.	207.	3.	726.	156.	183.	183.	7068.
DEFICIENCY (FISH)		95.	31.	0.	0.	0.	0.	33.	237.	0.	144.	57.	57.	654.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	780.	1300.	1300.	1300.	520.	0.	0.	0.	5200.
DEMAND, DOMESTIC		78.	62.	78.	93.	156.	202.	249.	249.	125.	109.	78.	78.	1557.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		78.	62.	78.	93.	936.	1502.	1549.	1549.	645.	109.	78.	78.	6757.
FLOW, UPSTREAM		220.	267.	341.	591.	4317.	2514.	1742.	1549.	1368.	262.	258.	258.	13687.
FLOW, DOWNSTREAM		142.	205.	263.	498.	3381.	1012.	193.	0.	723.	153.	180.	180.	6930.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		98.	36.	0.	0.	0.	0.	47.	240.	0.	147.	60.	60.	687.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	780.	1300.	1300.	1300.	520.	0.	0.	0.	5200.
DEMAND, DOMESTIC		78.	62.	78.	93.	156.	202.	249.	249.	125.	109.	78.	78.	1557.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		78.	62.	78.	93.	936.	1502.	1549.	1549.	645.	109.	78.	78.	6757.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

POWERS CR. AVG. YR. (2020) MED. GROWTH

Figure A.60

Date of Print - out:
Feb. 16, 1973.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	43.	62.	42.	20.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	104.	104.	70.	34.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	378.	650.	435.	215.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	329.	384.	257.	127.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		480.	480.	480.	480.	736.	861.	797.	643.	480.	480.	480.	480.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	37.	55.	60.	33.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		768.	768.	768.	879.	2097.	2560.	1971.	1357.	768.	768.	768.	768.	
MEASURING POINT	1													
FLOW		19.	25.	32.	55.	320.	288.	187.	157.	152.	25.	25.	25.	1309.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	2													
FLOW		40.	53.	65.	117.	628.	473.	526.	466.	450.	54.	52.	52.	2976.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		40.	44.	60.	128.	786.	394.	182.	226.	240.	44.	44.	44.	2232.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		107.	128.	166.	333.	2152.	1234.	792.	722.	720.	128.	126.	126.	6734.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		60.	74.	92.	71.	709.	564.	776.	691.	662.	73.	71.	71.	3914.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		174.	210.	269.	430.	3043.	1885.	1591.	1421.	1390.	209.	205.	205.	11032.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		161.	221.	283.	533.	3600.	1293.	474.	195.	913.	178.	199.	199.	8249.
DEFICIENCY (FISH)		79	19	0.	0.	0.	0.	0.	45	0.	122	41	41	347
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	650.	1083.	1083.	1083.	433.	0.	0.	0.	4332.
DEMAND, DOMESTIC		62.	50.	62.	75.	124.	162.	199.	199.	100.	87.	62.	52.	1244.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		62.	50.	62.	75.	774.	1245.	1282.	1282.	533.	87.	62.	62.	5576.
FLOW, UPSTREAM		220.	267.	341.	591.	4317.	2514.	1742.	1474.	1443.	262.	258.	258.	13687.
FLOW, DOWNSTREAM		158.	217.	279.	516.	3543.	1269.	450.	192.	910.	175.	196.	196.	8111.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		82	23	0.	0.	0.	0.	0.	48	0.	125	44	44	366
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	650.	1083.	1083.	1083.	433.	0.	0.	0.	4332.
DEMAND, DOMESTIC		62.	50.	62.	75.	124.	162.	199.	199.	100.	87.	62.	52.	1244.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		62.	50.	62.	75.	774.	1245.	1282.	1282.	533.	87.	62.	62.	5576.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

POWERS CR. AVG. YR. (2020) LOW GROWTH

Figure A.61

Date Of Print — out
Dec. 7, 1972

FLOWS IN AC. FT.

LOCATION	AREA IN K.AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR
CPDA 1	0.1	1.	2.	2.	3.	69.	42.	5.	3.	2.	2.	2.	2.	136.
CPDA 2	0.6	8.	11.	12.	21.	400.	245.	27.	15.	12.	12.	11.	11.	785.
CPDA 3	0.7	10.	13.	15.	25.	451.	272.	32.	17.	14.	14.	13.	13.	889.
CPDA 4	1.1	17.	22.	27.	45.	568.	306.	51.	23.	22.	22.	22.	22.	1144.
MPDA 1	2.3	35.	45.	57.	97.	1136.	598.	106.	46.	45.	45.	45.	45.	2299.
MPDA 2	5.6	74.	97.	117.	219.	2586.	1415.	237.	103.	96.	96.	94.	94.	5227.
CPDA 5	1.2	18.	20.	28.	56.	474.	231.	54.	20.	20.	20.	20.	20.	979.
CPDA 6	0.2	3.	3.	4.	10.	71.	33.	9.	3.	3.	3.	3.	3.	148.
MPDA 3	5.2	74.	81.	113.	242.	1991.	982.	230.	82.	80.	80.	80.	80.	4114.
MPDA 4	14.4	198.	235.	306.	627.	5937.	3068.	625.	241.	230.	230.	228.	228.	12155.
CPDA 7	4.7	64.	78.	98.	203.	2127.	1149.	206.	85.	77.	77.	76.	76.	4317.
MPDA 5	7.7	107.	132.	168.	334.	3406.	1797.	340.	137.	130.	130.	128.	128.	6937.
MPDA 6	23.2	319.	383.	495.	1013.	9692.	5030.	1010.	393.	375.	375.	371.	371.	19828.
MPDA 7	31.3	411.	496.	638.	1350.	12155.	6233.	1320.	497.	478.	478.	474.	474.	25003.
MPDA 8	35.3	431.	520.	661.	1447.	12476.	6370.	1401.	512.	493.	493.	490.	490.	25783.

Revised May 1973

POWERS CR. WET YEAR (NATURAL FLOW)

Figure A.62

Date of Print-out:
Oct. 26, 1972

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	62.	62.	42.	20.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	104.	104.	70.	34.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	343.	343.	230.	113.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	384.	384.	257.	127.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		480.	480.	480.	480.	954.	960.	797.	643.	480.	480.	480.	480.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	71.	100.	67.	33.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		540.	540.	540.	743.	1881.	1881.	1387.	955.	549.	540.	548.	540.	
MEASURING POINT	1													
FLOW		38.	48.	97.	97.	792.	598.	253.	177.	172.	49.	48.	48.	2500.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	2													
FLOW		74.	97.	117.	218.	1693.	1414.	532.	407.	391.	98.	94.	94.	5226.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		78.	82.	112.	242.	1998.	947.	420.	271.	278.	89.	90.	90.	4119.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		198.	238.	306.	626.	4498.	3033.	1115.	733.	722.	231.	229.	229.	12158.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		107.	132.	107.	132.	2348.	1797.	793.	569.	543.	129.	128.	128.	6934.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		319.	304.	494.	610.	7195.	4995.	1914.	1317.	1268.	375.	372.	372.	19828.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		413.	387.	642.	1226.	9292.	9953.	1812.	187.	877.	478.	474.	474.	28930.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	53.	0.	0.	0.	0.	53.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	743.	1238.	1238.	1238.	495.	0.	0.	0.	4952.
DEMAND, DOMESTIC		17.	14.	17.	20.	34.	44.	55.	55.	27.	24.	17.	17.	341.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		17.	14.	17.	20.	777.	1282.	1293.	1293.	522.	24.	17.	17.	5293.
FLOW, UPSTREAM		811.	698.	936.	1147.	9050.	6190.	2274.	1428.	1363.	478.	475.	475.	25088.
FLOW, DOWNSTREAM		394.	484.	619.	1127.	8881.	4916.	931.	127.	861.	454.	458.	458.	19711.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	113.	0.	0.	0.	0.	113.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	743.	1238.	1238.	1238.	495.	0.	0.	0.	4952.
DEMAND, DOMESTIC		17.	14.	17.	20.	34.	44.	55.	55.	27.	24.	17.	17.	341.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		17.	14.	17.	20.	777.	1282.	1293.	1293.	522.	24.	17.	17.	5293.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

END OF TABLE

POWERS CR. WET YEAR (1970)

Figure A.63

Date of Print-out :
Feb. 9 , 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	62.	62.	42.	20.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	104.	104.	70.	34.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	650.	650.	435.	215.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	384.	384.	257.	127.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		480.	480.	480.	480.	954.	960.	797.	643.	480.	480.	480.	480.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	71.	100.	67.	33.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		768.	768.	768.	971.	2560.	2560.	1971.	1357.	768.	768.	768.	768.	
MEASURING POINT	1													
FLOW		35.	45.	57.	97.	752.	598.	233.	177.	172.	45.	45.	45.	2300.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	2													
FLOW		74.	97.	117.	218.	1386.	1414.	633.	511.	492.	96.	94.	94.	5226.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		74.	82.	112.	242.	1445.	947.	426.	271.	276.	80.	80.	80.	4115.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		198.	236.	306.	626.	4191.	3033.	1216.	838.	823.	231.	229.	229.	12156.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		107.	132.	167.	132.	1817.	1797.	928.	751.	718.	129.	128.	128.	6934.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		319.	384.	494.	810.	6357.	4995.	2190.	1604.	1556.	375.	372.	372.	19828.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		336.	446.	565.	1132.	8129.	4717.	907.	93.	975.	363.	397.	397.	18457.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	147.	0.	0.	0.	0.	147.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	825.	1375.	1375.	1375.	550.	0.	0.	0.	5500.
DEMAND, DOMESTIC		94.	75.	94.	112.	187.	243.	299.	299.	150.	131.	94.	94.	1872.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		94.	75.	94.	112.	1012.	1618.	1674.	1674.	700.	131.	94.	94.	7372.
FLOW, UPSTREAM		411.	498.	636.	1147.	8820.	6198.	2500.	1707.	1659.	478.	475.	475.	25008.
FLOW, DOWNSTREAM		317.	423.	542.	1035.	7808.	4580.	826.	33.	959.	347.	381.	381.	17632.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	207.	0.	0.	0.	0.	207.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	825.	1375.	1375.	1375.	550.	0.	0.	0.	5500.
DEMAND, DOMESTIC		94.	75.	94.	112.	187.	243.	299.	299.	150.	131.	94.	94.	1872.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		94.	75.	94.	112.	1012.	1618.	1674.	1674.	700.	131.	94.	94.	7372.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

POWERS CR. WET YEAR (2020) HIGH GROWTH

Figure A.64

Date of Print-out:
Feb. 12, 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	62.	62.	42.	20.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	104.	104.	70.	34.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	650.	650.	435.	215.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	384.	384.	257.	127.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		480.	480.	480.	480.	954.	960.	797.	643.	480.	480.	480.	480.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	71.	100.	67.	33.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		768.	768.	768.	971.	2560.	2560.	1971.	1357.	768.	755.	755.	768.	
MEASURING POINT	1													
FLOW		35.	45.	57.	97.	752.	598.	233.	177.	172.	45.	45.	45.	2300.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	2													
FLOW		74.	97.	117.	218.	1386.	1414.	633.	511.	492.	96.	94.	94.	5226.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		74.	82.	112.	242.	1445.	947.	426.	271.	276.	80.	80.	80.	4115.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		198.	236.	306.	626.	4191.	3033.	1216.	838.	823.	231.	229.	229.	12156.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		107.	132.	167.	132.	1817.	1797.	928.	751.	718.	129.	128.	128.	6934.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		319.	384.	494.	810.	6357.	4995.	2190.	1504.	1556.	375.	372.	372.	19828.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		352.	459.	581.	1151.	8205.	4833.	1032.	218.	1030.	385.	413.	413.	19072.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	22.	0.	0.	0.	0.	22.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	780.	1300.	1300.	1300.	520.	0.	0.	0.	5200.
DEMAND, DOMESTIC		78.	62.	78.	93.	156.	202.	249.	249.	125.	109.	78.	78.	1557.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		78.	62.	78.	93.	936.	1502.	1549.	1549.	645.	109.	78.	78.	6757.
FLOW, UPSTREAM		411.	498.	636.	1147.	8820.	6198.	2500.	1707.	1659.	475.	475.	475.	25004.
FLOW, DOWNSTREAM		333.	436.	558.	1054.	7884.	4696.	951.	158.	1014.	369.	397.	397.	18247.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	82.	0.	0.	0.	0.	82.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	780.	1300.	1300.	1300.	520.	0.	0.	0.	5200.
DEMAND, DOMESTIC		78.	62.	78.	93.	156.	202.	249.	249.	125.	109.	78.	78.	1557.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		78.	62.	78.	93.	936.	1502.	1549.	1549.	645.	109.	78.	78.	6757.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

POWERS CR. WET YEAR (2020) MED. GROWTH

Figure A.65

Date of Print-out:
Feb. 16, 1973.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

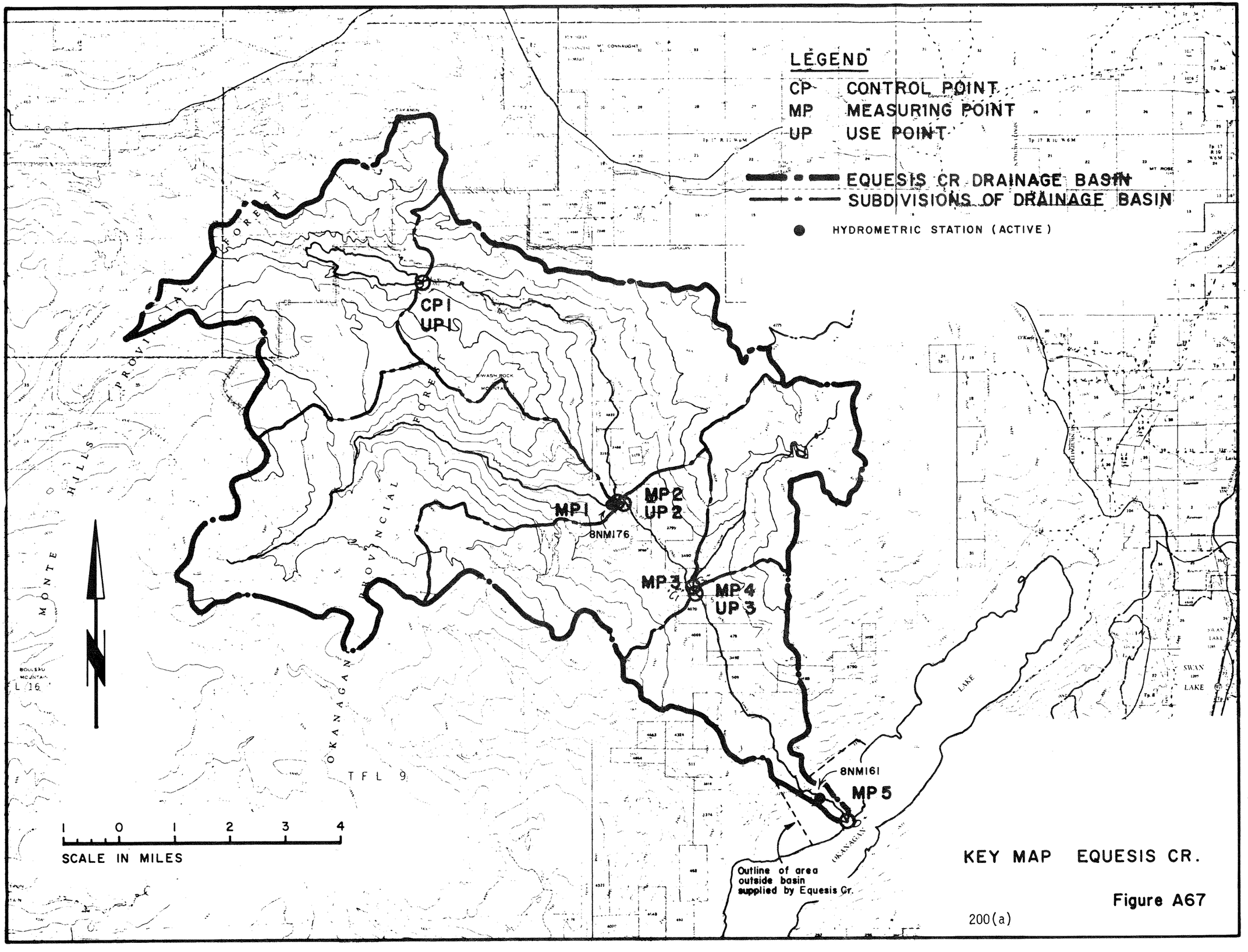
		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	62.	62.	42.	20.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	104.	104.	70.	34.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	650.	650.	435.	215.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	384.	384.	257.	127.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		480.	480.	480.	480.	954.	960.	797.	643.	480.	480.	480.	480.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	71.	100.	67.	33.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		768.	768.	768.	971.	2560.	2560.	1971.	1357.	768.	768.	768.	768.	
MEASURING POINT	1													
FLOW		35.	45.	57.	97.	752.	598.	233.	177.	172.	45.	45.	45.	2300.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	2													
FLOW		74.	97.	117.	218.	1386.	1414.	633.	511.	492.	96.	94.	94.	5226.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		74.	82.	112.	242.	1445.	947.	426.	271.	276.	80.	80.	80.	4115.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	4													
FLOW		198.	236.	306.	626.	4191.	3033.	1216.	838.	823.	231.	229.	229.	12156.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		107.	132.	167.	132.	1817.	1797.	928.	751.	718.	129.	126.	128.	6934.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		319.	384.	494.	810.	6357.	4995.	2190.	1604.	1556.	375.	372.	372.	19828.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		368.	471.	597.	1169.	8367.	5090.	1299.	485.	1142.	407.	423.	429.	20253.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	650.	1083.	1083.	1083.	433.	0.	0.	0.	4332.
DEMAND, DOMESTIC		62.	50.	62.	75.	124.	162.	199.	199.	100.	87.	62.	62.	1244.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		62.	50.	62.	75.	774.	1245.	1282.	1282.	533.	87.	62.	62.	5576.
FLOW, UPSTREAM		411.	498.	636.	1147.	8820.	6198.	2500.	1707.	1659.	478.	475.	475.	25004.
FLOW, DOWNSTREAM		349.	448.	574.	1072.	8046.	4953.	1218.	425.	1126.	391.	413.	413.	19428.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	650.	1083.	1083.	1083.	433.	0.	0.	0.	4332.
DEMAND, DOMESTIC		62.	50.	62.	75.	124.	162.	199.	199.	100.	87.	62.	62.	1244.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		62.	50.	62.	75.	774.	1245.	1282.	1282.	533.	87.	62.	62.	5576.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

POWERS CR. WET YR. (2020) LOW GROWTH

Figure A.66

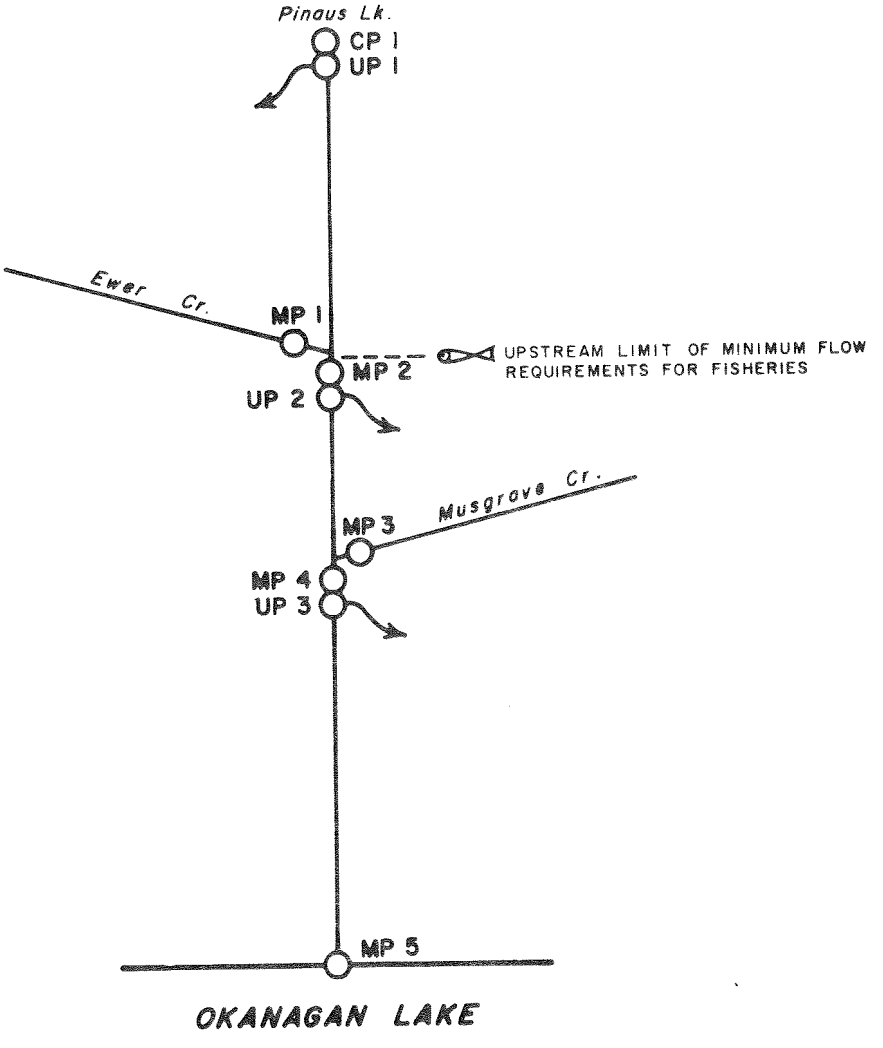
APPENDIX A-6

EQUESIS CREEK DATA



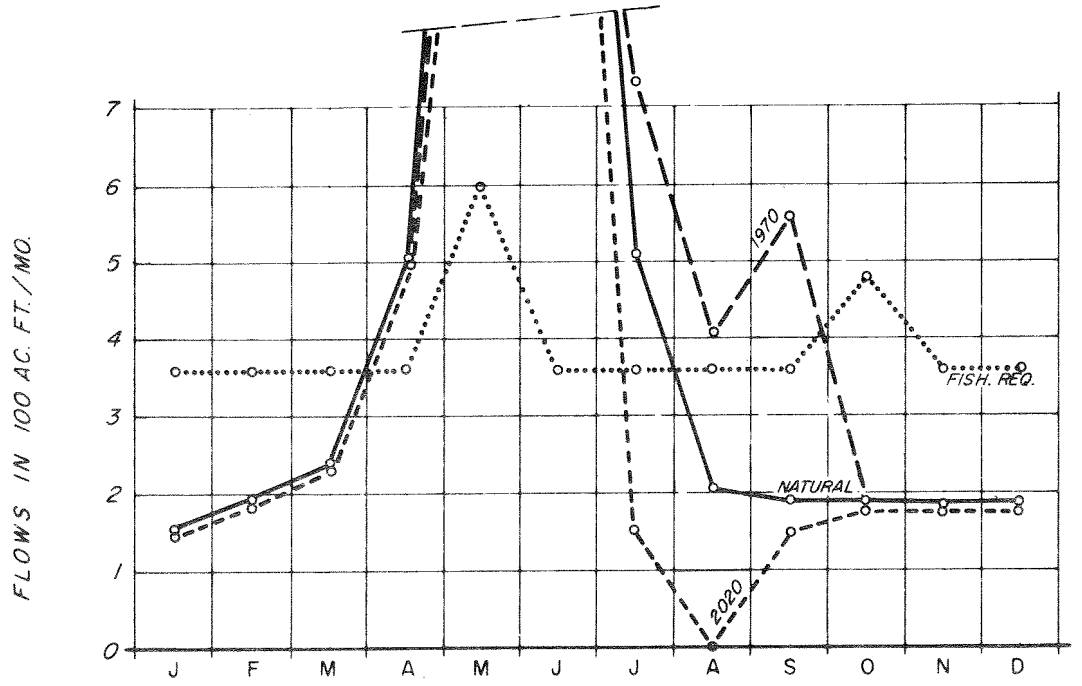
KEY MAP EQUESIS CR.

Figure A67



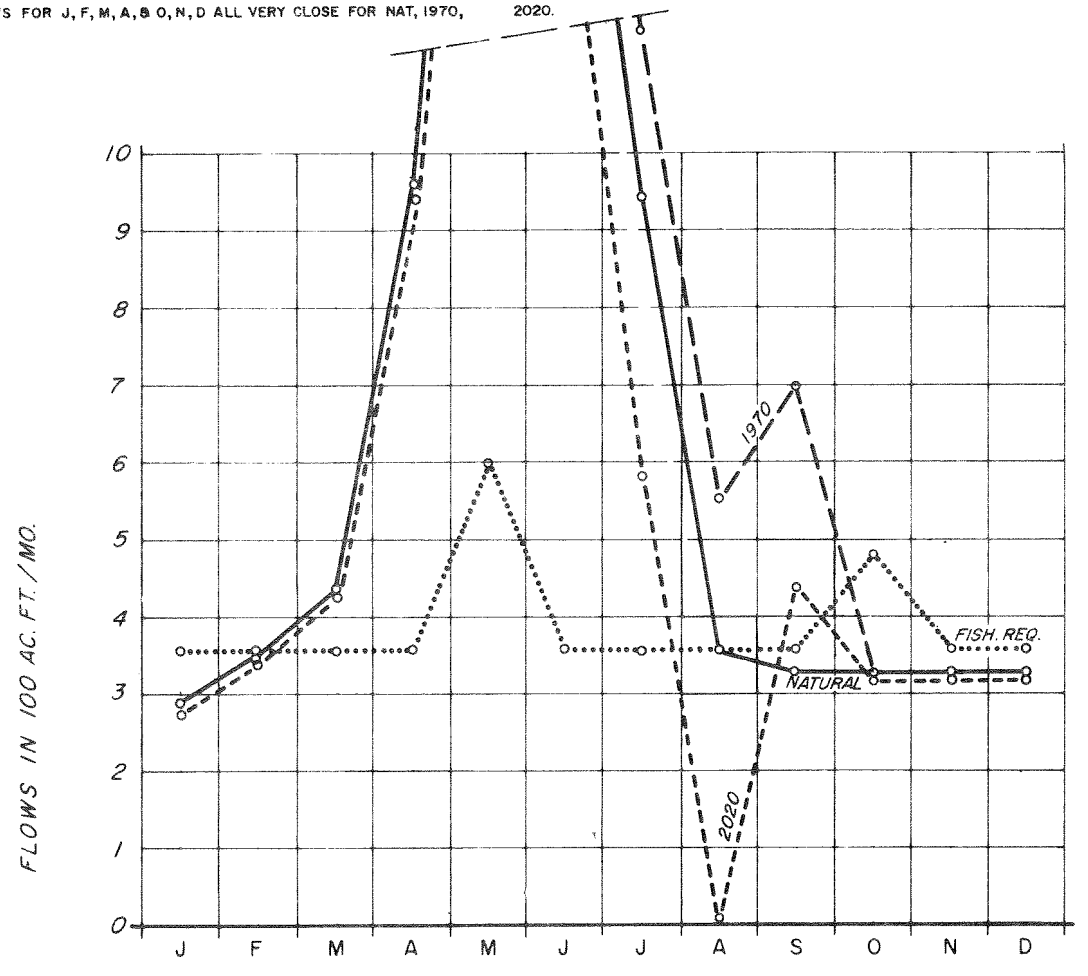
EQUESIS CR. SCHEMATIC

Figure A.68



DRY YEAR

NOTE: FLOWS FOR J, F, M, A, & O, N, D ALL VERY CLOSE FOR NAT, 1970, 2020.



AVERAGE YEAR

NOTE: FLOWS FOR J, F, M, A, & O, N, D. ALL VERY CLOSE FOR NAT., 1970, 2020.

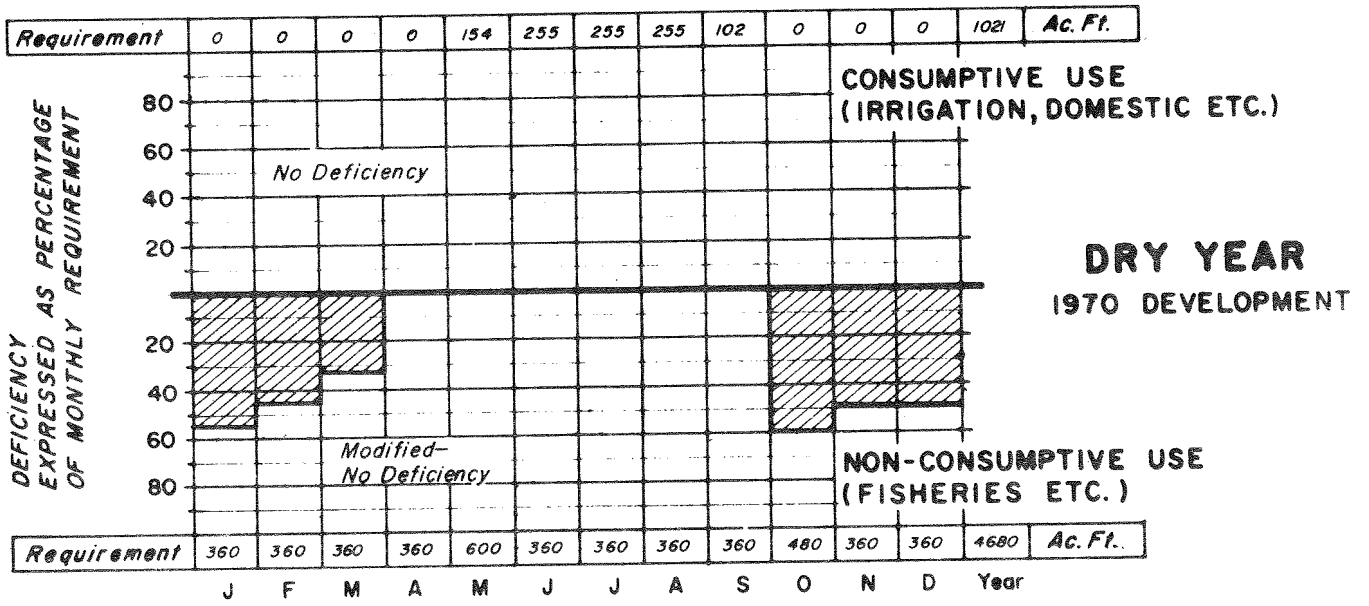
LEGEND

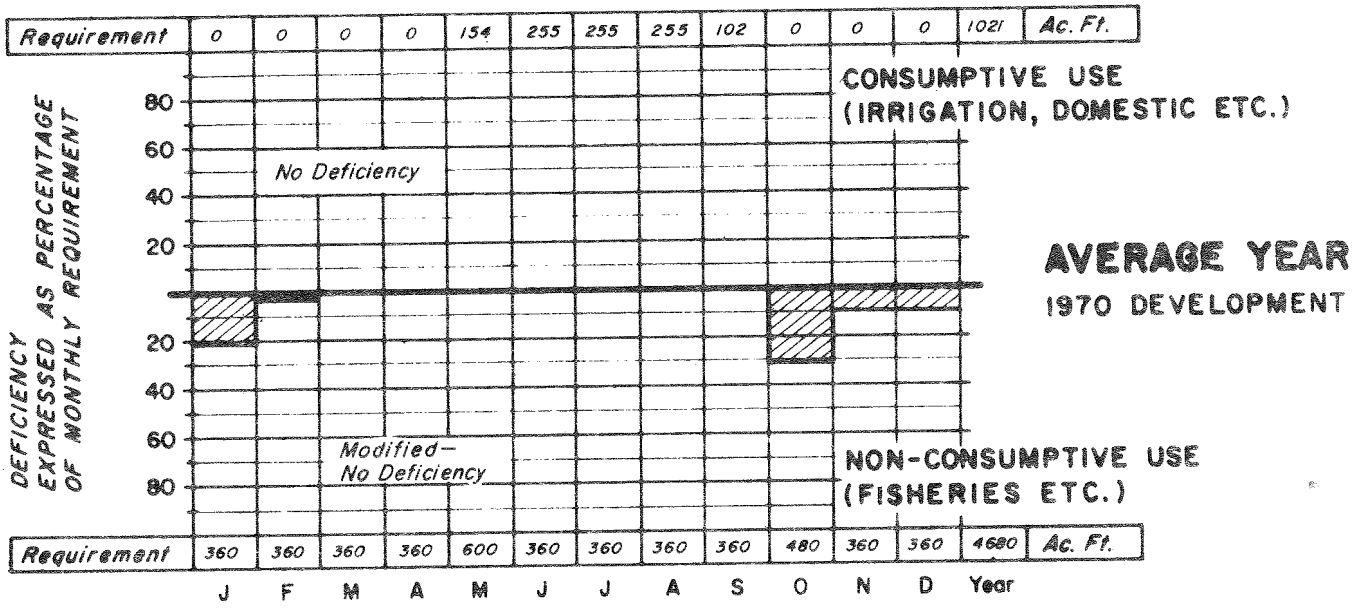
NATURAL FLOW
1970 DEVELOPMENT

2020 DEVELOP. (MED. GROWTH)
FISHERIES REQUIREMENT

EQUESIS CR. (MP 5)
HYDROGRAPHS OF FLOWS AT MOUTH

Figure A.69

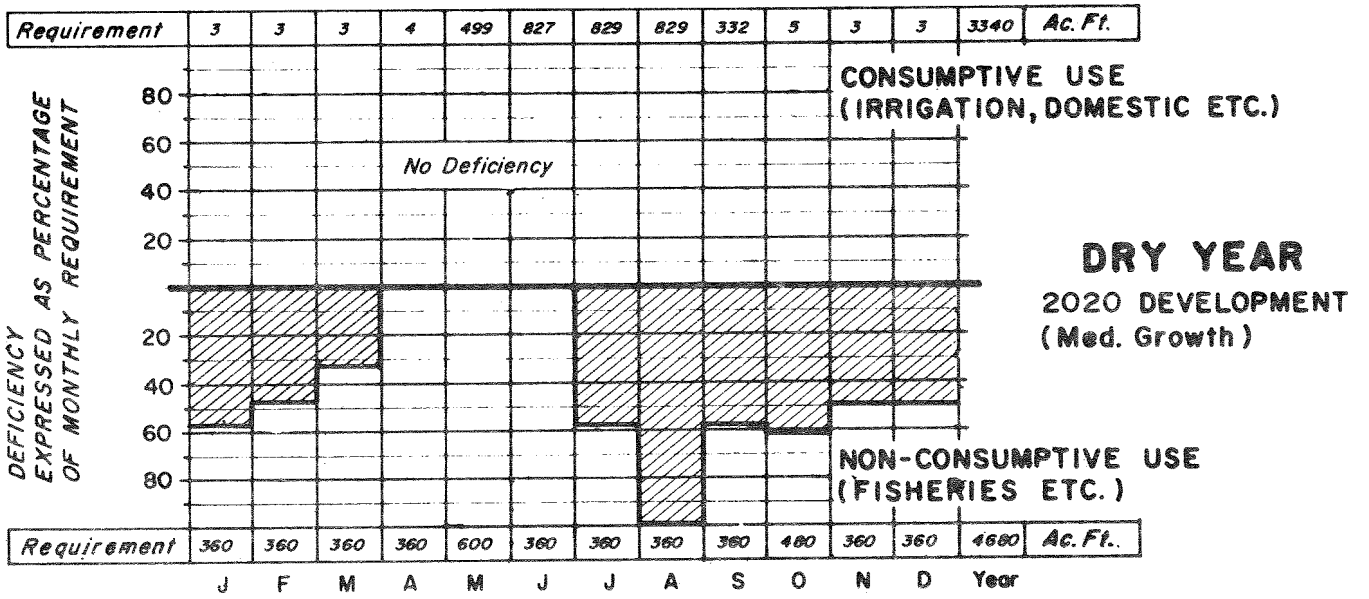


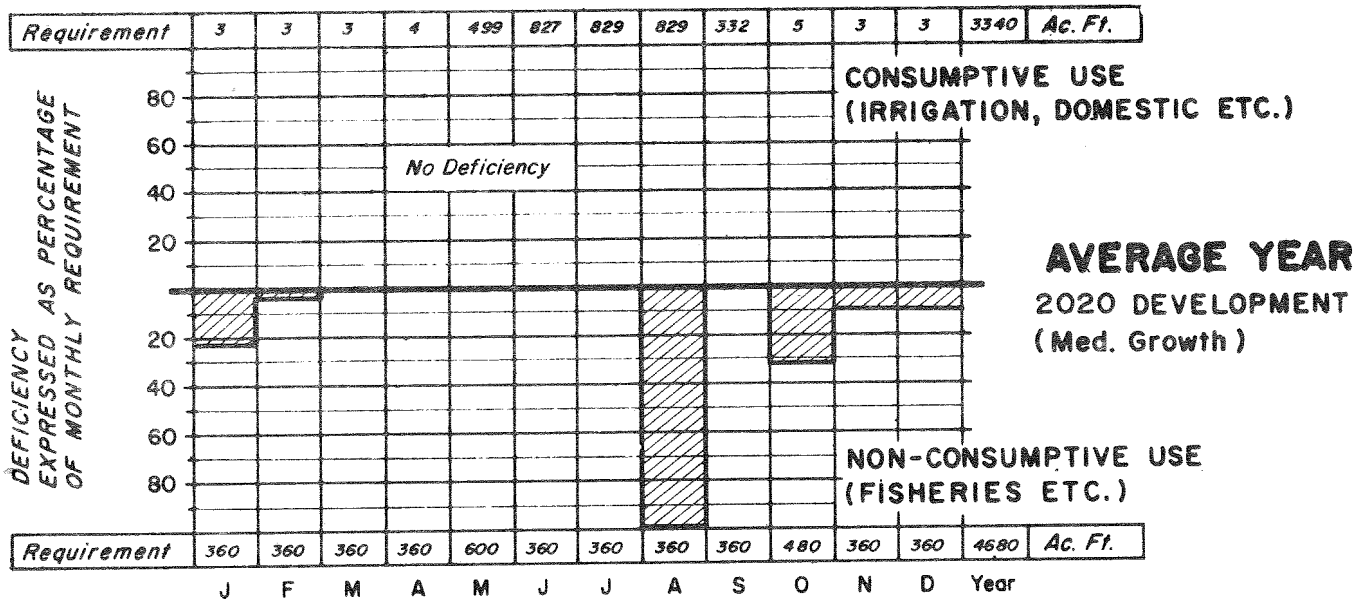


LEGEND
Historic (Simulated) Operation
Modified (Simulated) Operation

NOTES: 1. Consumptive Use deficiencies are totals for whole basin.
2. Non-Consumptive deficiencies are those extant at creek mouth.
3. In a Wet Year, a fisheries deficiency of 0 ac. ft. exists at mouth.

EQUESIS CR. (1970) DEFICIENCY DIAGRAM Figure A.70





LEGEND ////// Historic (Simulated) Operation

NOTES:
1. Consumptive Use deficiencies are totals for whole basin.
2. Non-Consumptive deficiencies are those extant at creek mouth.
3. In a Wet Year, a fisheries deficiency of 58 ac. ft. exists at mouth in Aug.

EQUESIS CR. (2020) DEFICIENCY DIAGRAM Figure A.71

Date Of Print-out:
Dec 7, 1972

FLOWS IN AC. FT.

LOCATION	AREA IN K AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR
CPDA 1	9.5	38.	46.	59.	124.	1122.	574.	122.	46.	44.	44.	44.	44.	2307.
MPDA 1	12.4	57.	77.	88.	160.	2271.	1299.	187.	90.	76.	76.	76.	76.	4532.
MPDA 2	33.4	123.	155.	190.	387.	4106.	2281.	400.	166.	151.	151.	150.	150.	8338.
MPDA 3	4.5	16.	17.	25.	56.	396.	185.	51.	17.	17.	17.	17.	17.	829.
MPDA 4	44.2	154.	191.	238.	493.	4952.	2825.	501.	201.	185.	185.	184.	184.	10094.
MPDA 5	49.2	157.	195.	242.	506.	5014.	2853.	511.	204.	188.	188.	187.	187.	10230.

EQUESIS CR. DRY YEAR (NATURAL FLOW)

Figure A.72

Date of Print-out:
Oct. 28, 1972

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT STORAGE	1	755.	755.	755.	755.	1837.	2156.	1682.	1229.	755.	755.	755.	755.	
MEASURING POINT FLOW	5	157.	195.	243.	505.	5117.	2080.	730.	403.	580.	188.	188.	188.	9214.
DEFICIENCY (FISH)		203.	165.	117.	0.	0.	0.	0.	0.	0.	292.	172.	172.	1121.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	40.	66.	66.	66.	26.	0.	0.	0.	264.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	40.	66.	66.	66.	26.	0.	0.	0.	264.
FLOW, UPSTREAM		38.	46.	59.	124.	40.	255.	596.	493.	518.	88.	88.	88.	2307.
FLOW, DOWNSTREAM		38.	46.	59.	124.	0.	189.	530.	431.	492.	44.	44.	44.	2043.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	45.	74.	74.	74.	30.	0.	0.	0.	297.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	45.	74.	74.	74.	30.	0.	0.	0.	297.
FLOW, UPSTREAM		123.	156.	193.	387.	2983.	1827.	809.	561.	598.	150.	150.	150.	8076.
FLOW, DOWNSTREAM		123.	156.	193.	387.	2938.	1753.	735.	479.	568.	150.	150.	150.	7779.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		237.	204.	170.	0.	0.	0.	0.	0.	0.	330.	210.	210.	1361.
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	69.	115.	115.	115.	46.	0.	0.	0.	460.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	69.	115.	115.	115.	46.	0.	0.	0.	460.
FLOW, UPSTREAM		154.	192.	239.	493.	3784.	2167.	835.	515.	603.	185.	185.	185.	9537.
FLOW, DOWNSTREAM		154.	192.	239.	493.	3715.	2052.	720.	400.	557.	185.	185.	185.	9077.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		206.	168.	121.	0.	0.	0.	0.	0.	0.	295.	175.	175.	1140.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	154.	255.	255.	255.	102.	0.	0.	0.	1021.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	154.	255.	255.	255.	102.	0.	0.	0.	1021.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

EQUESIS CR. DRY YEAR (1970)

Figure A.73

Date of Print - out :
Feb. 9 , 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT STORAGE	1	755.	755.	755.	755.	1765.	2153.	1682.	989.	755.	755.	755.	755.	
MEASURING POINT FLOW	5	153.	192.	239.	500.	3465.	1373.	87.	3.	61.	181.	184.	184.	6622.
DEFICIENCY (FISH)		207.	168.	121.	0.	0.	0.	273.	357.	299.	293.	176.	176.	2078.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	112.	186.	186.	185.	75.	0.	0.	0.	745.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	112.	186.	186.	186.	75.	0.	0.	0.	745.
FLOW, UPSTREAM		38.	46.	59.	124.	112.	186.	593.	739.	278.	44.	44.	44.	2307.
FLOW, DOWNSTREAM		38.	46.	59.	124.	0.	0.	407.	553.	203.	44.	44.	44.	1562.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	141.	235.	236.	236.	94.	0.	0.	0.	943.
DEMAND, DOMESTIC		0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	0.	0.	6.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	142.	237.	237.	237.	95.	1.	0.	0.	949.
FLOW, UPSTREAM		123.	156.	190.	387.	2983.	1638.	686.	673.	309.	150.	150.	150.	7595.
FLOW, DOWNSTREAM		123.	156.	190.	387.	2841.	1401.	449.	436.	214.	149.	150.	150.	6685.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		237.	204.	170.	0.	0.	0.	0.	0.	146.	331.	210.	210.	1508.
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	276.	459.	459.	459.	184.	0.	0.	0.	1837.
DEMAND, DOMESTIC		4.	3.	4.	5.	8.	11.	13.	13.	7.	6.	4.	4.	82.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		4.	3.	4.	5.	284.	470.	472.	472.	191.	6.	4.	4.	1919.
FLOW, UPSTREAM		154.	192.	239.	493.	3687.	1815.	549.	472.	249.	184.	185.	185.	8404.
FLOW, DOWNSTREAM		150.	189.	235.	488.	3403.	1345.	77.	0.	58.	179.	181.	181.	6885.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		210.	171.	128.	0.	0.	0.	283.	360.	302.	302.	179.	179.	2111.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	529.	881.	881.	881.	353.	0.	0.	0.	3525.
DEMAND, DOMESTIC		4.	3.	4.	5.	9.	12.	14.	14.	8.	7.	4.	4.	89.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		4.	3.	4.	5.	538.	893.	895.	895.	361.	7.	4.	4.	3513.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

EQUESIS CR. DRY YR. (2020) HIGH GROWTH

Figure A.74

Date of Print-out:
Feb. 12 , 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT STORAGE	1	755.	755.	755.	755.	1798.	2156.	1682.	1055.	755.	755.	755.	755.	
MEASURING POINT FLOW	5	154.	192.	240.	501.	3473.	1467.	156.	3.	156.	183.	185.	185.	6895.
DEFICIENCY (FISH)		206.	168.	120.	0.	0.	0.	204.	357.	204.	297.	175.	175.	1906.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	81.	135.	135.	135.	54.	0.	0.	0.	540.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	81.	135.	135.	135.	54.	0.	0.	0.	540.
FLOW, UPSTREAM		38.	46.	59.	124.	81.	214.	596.	673.	344.	44.	44.	44.	2307.
FLOW, DOWNSTREAM		38.	46.	59.	124.	0.	79.	461.	538.	290.	44.	44.	44.	1767.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	134.	223.	223.	223.	89.	0.	0.	0.	892.
DEMAND, DOMESTIC		0.	0.	0.	0.	1.	1.	1.	1.	0.	0.	0.	0.	4.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	135.	224.	224.	224.	89.	0.	0.	0.	896.
FLOW, UPSTREAM		123.	156.	190.	387.	2983.	1717.	740.	658.	396.	150.	150.	150.	7800.
FLOW, DOWNSTREAM		123.	156.	190.	387.	2848.	1493.	516.	434.	307.	150.	150.	150.	6904.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		237.	204.	170.	0.	0.	0.	0.	0.	53.	330.	210.	210.	1414.
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	276.	459.	459.	459.	184.	0.	0.	0.	1837.
DEMAND, DOMESTIC		3.	3.	3.	4.	7.	9.	11.	11.	5.	5.	3.	3.	57.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		3.	3.	3.	4.	283.	468.	470.	470.	189.	5.	3.	3.	1904.
FLOW, UPSTREAM		154.	192.	239.	493.	3694.	1907.	616.	470.	342.	185.	185.	185.	8662.
FLOW, DOWNSTREAM		151.	189.	236.	489.	3411.	1439.	146.	0.	153.	180.	182.	182.	5758.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		209.	171.	124.	0.	0.	0.	214.	360.	207.	300.	178.	178.	1941.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	491.	817.	817.	817.	327.	0.	0.	0.	3269.
DEMAND, DOMESTIC		3.	3.	3.	4.	8.	10.	12.	12.	5.	5.	3.	3.	71.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		3.	3.	3.	4.	499.	827.	829.	829.	332.	5.	3.	3.	3340.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

EQUESIS CR. DRY YR. (2020) MED. GROWTH

Figure A.75

Date of Print-out:
Feb. 16, 1973.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT STORAGE	1	755.	755.	755.	755.	1837.	2156.	1682.	1229.	755.	755.	755.	755.	
MEASURING POINT FLOW	5	155.	193.	241.	502.	3779.	2084.	732.	405.	560.	185.	186.	186.	9208.
DEFICIENCY (FISH)		205	167	119	0.	0.	0.	0.	0.	0.	295	174	174	1134
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	40.	66.	66.	66.	26.	0.	0.	0.	264.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	40.	66.	66.	66.	26.	0.	0.	0.	264.
FLOW, UPSTREAM		38.	46.	59.	124.	40.	255.	596.	499.	518.	44.	44.	44.	2397.
FLOW, DOWNSTREAM		38.	46.	59.	124.	0.	189.	530.	433.	492.	44.	44.	44.	2043.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	45.	74.	74.	74.	30.	0.	0.	0.	297.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	1.	1.	1.	0.	0.	0.	0.	3.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	45.	75.	75.	75.	30.	0.	0.	0.	300.
FLOW, UPSTREAM		123.	156.	190.	387.	2983.	1827.	809.	553.	598.	150.	150.	150.	8075.
FLOW, DOWNSTREAM		123.	156.	190.	387.	2938.	1752.	734.	478.	568.	150.	150.	150.	7776.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		237	204	170	0.	0.	0.	0.	0.	0.	330	210	210	1361
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	62.	104.	104.	104.	42.	0.	0.	0.	415.
DEMAND, DOMESTIC		2.	2.	2.	3.	5.	6.	8.	8.	8.	3.	2.	2.	47.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		2.	2.	2.	3.	67.	110.	112.	112.	46.	3.	2.	2.	463.
FLOW, UPSTREAM		154.	192.	239.	493.	3784.	2166.	834.	514.	603.	185.	185.	185.	9534.
FLOW, DOWNSTREAM		152.	190.	237.	490.	3717.	2056.	722.	402.	557.	182.	183.	183.	9071.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		208	170	123	0.	0.	0.	0.	0.	0.	298	177	177	1153
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	147.	244.	244.	244.	98.	0.	0.	0.	977.
DEMAND, DOMESTIC		2.	2.	2.	3.	5.	7.	9.	9.	4.	3.	2.	2.	50.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		2.	2.	2.	3.	152.	251.	253.	253.	102.	3.	2.	2.	1027.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

EQUESIS CR. DRY YR. (2020) LOW GROWTH

Figure A.76

Date Of Print-out:
Dec 7, 1972

FLOWS IN AC. FT.

LOCATION		AREA IN K. AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR
CPDA	1	9.5	68.	82.	105.	229.	1948.	984.	219.	80.	77.	77.	77.	77.	4025.
MPDA	1	12.4	93.	125.	144.	272.	3614.	2045.	308.	144.	124.	124.	122.	122.	7237.
MPDA	2	33.4	216.	272.	333.	713.	6931.	3674.	715.	282.	259.	259.	258.	258.	14170.
MPDA	3	4.5	30.	32.	46.	106.	728.	340.	95.	31.	31.	31.	31.	31.	1831.
MPDA	4	44.2	276.	340.	423.	922.	8473.	4421.	907.	347.	323.	323.	322.	322.	17398.
MPDA	5	49.2	264.	351.	436.	963.	8653.	4500.	941.	355.	331.	331.	330.	330.	17805.

EQUESIS CR. AVERAGE YEAR (NATURAL FLOW)

Figure A.77

Date of Print-out :
Oct. 25, 1972

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		755.	755.	755.	755.	2156.	2156.	1682.	1229.	755.	755.	755.	755.	
MEASURING POINT	5													
FLOW		244.	351.	436.	968.	7098.	4244.	1159.	553.	703.	331.	329.	329.	16781.
DEFICIENCY (FISH)		76.	9.	0.	0.	0.	0.	0.	0.	0.	149.	31.	31.	296
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	40.	66.	66.	66.	26.	0.	0.	0.	264.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	40.	66.	66.	66.	26.	0.	0.	0.	264.
FLOW, UPSTREAM		68.	82.	105.	229.	547.	984.	693.	533.	551.	77.	77.	77.	4023.
FLOW, DOWNSTREAM		68.	82.	105.	229.	507.	918.	627.	467.	525.	77.	77.	77.	3791.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	45.	74.	74.	74.	30.	0.	0.	0.	297.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	45.	74.	74.	74.	30.	0.	0.	0.	297.
FLOW, UPSTREAM		216.	272.	333.	714.	5490.	3607.	1122.	669.	707.	259.	257.	257.	13901.
FLOW, DOWNSTREAM		216.	272.	331.	714.	5449.	3533.	1048.	595.	677.	259.	257.	257.	13606.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		144.	88.	27.	0.	0.	0.	0.	0.	0.	221.	103.	103.	686.
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	69.	115.	115.	115.	46.	0.	0.	0.	460.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	69.	115.	115.	115.	46.	0.	0.	0.	460.
FLOW, UPSTREAM		275.	340.	424.	923.	6987.	4280.	1240.	660.	741.	323.	321.	321.	16835.
FLOW, DOWNSTREAM		275.	340.	424.	923.	6918.	4165.	1125.	545.	695.	323.	321.	321.	16375.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		88.	20.	0.	0.	0.	0.	0.	0.	0.	187.	39.	39.	340.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	154.	255.	255.	255.	102.	0.	0.	0.	1021.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	154.	255.	255.	255.	102.	0.	0.	0.	1021.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

EQUESIS CR. AVERAGE YEAR (1970)

Figure A.78

Date of Print - out :
Feb. 9, 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		755.	755.	755.	755.	2156.	2156.	1682.	1134.	755.	755.	755.	755.	
MEASURING POINT	5													
FLOW		280.	348.	432.	959.	6714.	3606.	519.	8.	349.	324.	325.	325.	14189.
DEFICIENCY (FISH)		60.	12.	0.	0.	0.	0.	0.	352.	11.	156.	35.	35.	681.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	112.	186.	186.	186.	75.	0.	0.	0.	745.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	112.	186.	186.	186.	75.	0.	0.	0.	745.
FLOW, UPSTREAM		68.	82.	105.	229.	547.	984.	693.	628.	456.	77.	77.	77.	4023.
FLOW, DOWNSTREAM		68.	82.	105.	229.	435.	798.	507.	442.	381.	77.	77.	77.	3278.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	141.	236.	236.	236.	94.	0.	0.	0.	943.
DEMAND, DOMESTIC		0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	0.	0.	6.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	142.	237.	237.	237.	95.	1.	0.	0.	919.
FLOW, UPSTREAM		216.	272.	333.	714.	5418.	3487.	1002.	644.	563.	259.	257.	257.	13422.
FLOW, DOWNSTREAM		216.	272.	333.	714.	5276.	3250.	765.	407.	468.	258.	257.	257.	12473.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		144.	88.	27.	0.	0.	0.	0.	0.	0.	222.	103.	103.	687.
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	276.	459.	459.	459.	184.	0.	0.	0.	1837.
DEMAND, DOMESTIC		4.	3.	4.	5.	8.	11.	13.	13.	7.	8.	4.	4.	82.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		4.	3.	4.	5.	284.	470.	472.	472.	191.	8.	4.	4.	1919.
FLOW, UPSTREAM		275.	340.	424.	923.	6818.	3997.	957.	472.	532.	322.	321.	321.	15723.
FLOW, DOWNSTREAM		271.	337.	420.	918.	6534.	3527.	485.	0.	341.	316.	317.	317.	13783.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		89.	23.	0.	0.	0.	0.	0.	360.	19.	164.	43.	43.	741.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	529.	881.	881.	881.	353.	0.	0.	0.	3525.
DEMAND, DOMESTIC		4.	3.	4.	5.	9.	12.	14.	14.	8.	7.	4.	4.	88.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		4.	3.	4.	5.	538.	893.	895.	895.	361.	7.	4.	4.	3613.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

EQUESIS CR. AVG. YR. (2020) HIGH GROWTH

Figure A.79

Date of Print-out:
Feb. 12, 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT STORAGE	1	755.	755.	755.	755.	2156.	2156.	1682.	1200.	755.	755.	755.	755.	
MEASURING POINT FLOW	5	281.	348.	433.	960.	6753.	3672.	585.	8.	444.	326.	326.	325.	14462.
DEFICIENCY (FISH)		79.	12.	0.	0.	0.	0.	0.	352.	0.	154.	34.	34.	665.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	81.	135.	135.	135.	54.	0.	0.	0.	540.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	81.	135.	135.	135.	54.	0.	0.	0.	540.
FLOW, UPSTREAM		68.	82.	105.	229.	547.	984.	693.	562.	522.	77.	77.	77.	4023.
FLOW, DOWNSTREAM		68.	82.	105.	229.	466.	849.	558.	427.	468.	77.	77.	77.	3483.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	134.	223.	223.	223.	89.	0.	0.	0.	892.
DEMAND, DOMESTIC		0.	0.	0.	0.	1.	1.	1.	1.	0.	0.	0.	0.	4.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	135.	224.	224.	224.	89.	0.	0.	0.	896.
FLOW, UPSTREAM		216.	272.	333.	714.	5449.	3538.	1053.	629.	650.	259.	257.	257.	13627.
FLOW, DOWNSTREAM		216.	272.	333.	714.	5314.	3314.	829.	405.	561.	259.	257.	257.	12731.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		144.	88.	27.	0.	0.	0.	0.	0.	0.	221.	103.	103.	686.
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	276.	459.	459.	459.	184.	0.	0.	0.	1837.
DEMAND, DOMESTIC		3.	3.	3.	4.	7.	9.	11.	11.	5.	5.	3.	3.	67.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		3.	3.	3.	4.	283.	468.	470.	470.	189.	5.	3.	3.	1904.
FLOW, UPSTREAM		275.	340.	424.	923.	6856.	4061.	1021.	470.	625.	323.	321.	321.	15960.
FLOW, DOWNSTREAM		272.	337.	421.	919.	6573.	3593.	551.	0.	436.	318.	318.	318.	14056.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		88.	23.	0.	0.	0.	0.	0.	360.	0.	182.	42.	42.	717.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	491.	817.	817.	817.	327.	0.	0.	0.	3269.
DEMAND, DOMESTIC		3.	3.	3.	4.	8.	10.	12.	12.	5.	5.	3.	3.	71.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		3.	3.	3.	4.	499.	827.	829.	829.	332.	5.	3.	3.	3340.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

EQUESIS CR. AVG. YR. (2020) MED. GROWTH

Figure A.80

Date of Print-out:
Feb. 16, 1973.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT STORAGE	1	755.	755.	755.	755.	2156.	2156.	1682.	1229.	755.	755.	755.	755.	
MEASURING POINT FLOW	5	282.	349.	434.	961.	7100.	4248.	1161.	555.	703.	328.	327.	327.	15775.
DEFICIENCY (FISH)		78	11	0.	0.	0.	0.	0.	0.	0.	152	33	33	307.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	40.	66.	66.	66.	26.	0.	0.	0.	264.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	40.	66.	66.	66.	26.	0.	0.	0.	264.
FLOW, UPSTREAM		68.	82.	105.	229.	547.	984.	693.	533.	551.	77.	77.	77.	4023.
FLOW, DOWNSTREAM		68.	82.	105.	229.	507.	918.	627.	467.	525.	77.	77.	77.	3759.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	45.	74.	74.	74.	30.	0.	0.	0.	297.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	1.	1.	1.	0.	0.	0.	0.	3.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	45.	75.	75.	75.	30.	0.	0.	0.	300.
FLOW, UPSTREAM		216.	272.	333.	714.	5490.	3607.	1122.	669.	707.	259.	257.	257.	13903.
FLOW, DOWNSTREAM		216.	272.	333.	714.	5445.	3532.	1047.	594.	677.	259.	257.	257.	13805.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		144	88	27	0.	0.	0.	0.	0.	0.	221	103	103	686
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	62.	104.	104.	104.	42.	0.	0.	0.	416.
DEMAND, DOMESTIC		2.	2.	2.	3.	5.	6.	8.	8.	4.	3.	2.	2.	47.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		2.	2.	2.	3.	67.	110.	112.	112.	46.	3.	2.	2.	463.
FLOW, UPSTREAM		275.	340.	424.	923.	6987.	4279.	1239.	659.	741.	323.	321.	321.	16832.
FLOW, DOWNSTREAM		273.	338.	422.	920.	6920.	4169.	1127.	547.	695.	320.	319.	319.	16369.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		87	22	0.	0.	0.	0.	0.	0.	0.	160	41	41	351
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	147.	244.	244.	244.	98.	0.	0.	0.	977.
DEMAND, DOMESTIC		2.	2.	2.	3.	5.	7.	9.	9.	4.	3.	2.	2.	50.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		2.	2.	2.	3.	152.	251.	253.	253.	102.	3.	2.	2.	1027.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

EQUESIS CR. AVG. YR. (2020) LOW GROWTH

Figure A.81

Date Of Print-out:
Dec. 7, 1972

FLOWS IN AC. FT

LOCATION	AREA IN K.AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR
CPDA 1	9.5	128.	155.	198.	447.	3811.	1805.	421.	150.	145.	145.	145.	145.	7495.
MPDA 1	12.4	167.	223.	257.	506.	6204.	3670.	556.	248.	216.	216.	214.	214.	12492.
MPDA 2	33.4	416.	521.	635.	1439.	12880.	6608.	1399.	921.	484.	484.	483.	483.	26152.
MPDA 3	4.5	60.	68.	90.	215.	1433.	686.	192.	60.	60.	60.	60.	60.	3023.
MPDA 4	44.2	539.	684.	820.	1898.	19787.	8085.	1813.	852.	614.	614.	612.	612.	36688.
MPDA 5	49.2	571.	702.	861.	2049.	16356.	8342.	1939.	679.	641.	641.	639.	639.	34060.

EQUESIS CR. WET YEAR (NATURAL FLOW)

Figure A.82

Date of Print-out:
Oct. 28, 1972

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		755.	755.	755.	755.	2156.	2156.	1682.	1229.	755.	755.	755.	755.	
MEASURING POINT	5													
FLOW		571.	702.	860.	2050.	14801.	8086.	2158.	676.	1012.	640.	638.	638.	33032.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	80.	88.	88.	88.	26.	0.	0.	0.	264.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	80.	88.	88.	88.	26.	0.	0.	0.	264.
FLOW, UPSTREAM		128.	155.	198.	447.	2210.	1805.	895.	803.	619.	145.	145.	145.	7492.
FLOW, DOWNSTREAM		128.	155.	198.	447.	2170.	1739.	829.	537.	593.	145.	145.	145.	7231.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	45.	74.	74.	74.	30.	0.	0.	0.	297.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	45.	74.	74.	74.	30.	0.	0.	0.	297.
FLOW, UPSTREAM		416.	521.	634.	1439.	11238.	6542.	1807.	908.	932.	484.	482.	482.	25885.
FLOW, DOWNSTREAM		416.	521.	634.	1439.	11193.	6468.	1733.	834.	902.	484.	482.	482.	25588.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	69.	115.	115.	115.	46.	0.	0.	0.	460.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	69.	115.	115.	115.	46.	0.	0.	0.	460.
FLOW, UPSTREAM		540.	664.	819.	1898.	14280.	7944.	2147.	964.	1031.	613.	611.	611.	32122.
FLOW, DOWNSTREAM		540.	664.	819.	1898.	14211.	7829.	2032.	849.	985.	613.	611.	611.	31662.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	194.	255.	255.	255.	102.	0.	0.	0.	1021.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	194.	255.	255.	255.	102.	0.	0.	0.	1021.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

END OF TABLE

EQUESIS CR. WET YEAR (1970)

Figure A.83

Date of Print-out:
Feb. 9, 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		755.	755.	755.	755.	2156.	2156.	1682.	1229.	755.	755.	755.	755.	
MEASURING POINT	5													
FLOW		567.	699.	856.	2045.	14417.	7448.	1518.	236.	753.	633.	634.	634.	30440.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	124.	0.	0.	0.	0.	124.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	112.	186.	186.	185.	75.	0.	0.	0.	745.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	112.	186.	186.	186.	75.	0.	0.	0.	745.
FLOW, UPSTREAM		128.	155.	198.	447.	2210.	1805.	895.	603.	619.	145.	145.	145.	7495.
FLOW, DOWNSTREAM		128.	155.	198.	447.	2098.	1619.	709.	417.	544.	145.	145.	145.	6750.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	141.	236.	236.	236.	94.	0.	0.	0.	943.
DEMAND, DOMESTIC		0.	0.	0.	0.	1.	1.	1.	1.	1.	0.	0.	0.	6.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	142.	237.	237.	237.	95.	1.	0.	0.	949.
FLOW, UPSTREAM		416.	521.	634.	1439.	11166.	6422.	1687.	788.	883.	484.	482.	482.	25404.
FLOW, DOWNSTREAM		416.	521.	634.	1439.	11024.	6185.	1450.	551.	788.	483.	482.	482.	24455.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	276.	459.	459.	459.	184.	0.	0.	0.	1837.
DEMAND, DOMESTIC		4.	3.	4.	5.	8.	11.	13.	13.	7.	6.	4.	4.	82.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		4.	3.	4.	5.	284.	470.	472.	472.	191.	6.	4.	4.	1919.
FLOW, UPSTREAM		540.	664.	819.	1898.	14111.	7661.	1864.	681.	917.	612.	611.	611.	30989.
FLOW, DOWNSTREAM		536.	661.	815.	1893.	13827.	7191.	1392.	209.	726.	606.	607.	607.	29070.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	181.	0.	0.	0.	0.	181.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	529.	881.	881.	881.	353.	0.	0.	0.	3525.
DEMAND, DOMESTIC		4.	3.	4.	5.	9.	12.	14.	14.	8.	7.	4.	4.	88.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		4.	3.	4.	5.	538.	893.	895.	895.	361.	7.	4.	4.	3613.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

EQUESIS CR. WET YEAR (2020) HIGH GROWTH

Figure A.84

Date of Print-out:
Feb. 12, 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		755.	755.	755.	755.	2156.	2156.	1682.	1229.	755.	755.	755.	755.	
MEASURING POINT	5													
FLOW		568.	699.	857.	2046.	14456.	7514.	1584.	302.	782.	635.	635.	635.	30713.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	58.	0.	0.	0.	0.	58.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	81.	135.	135.	135.	54.	0.	0.	0.	540.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	81.	135.	135.	135.	54.	0.	0.	0.	540.
FLOW, UPSTREAM		128.	155.	198.	447.	2210.	1805.	895.	503.	619.	145.	145.	145.	7495.
FLOW, DOWNSTREAM		128.	155.	198.	447.	2129.	1670.	760.	468.	565.	145.	145.	145.	5955.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	134.	223.	223.	223.	89.	0.	0.	0.	892.
DEMAND, DOMESTIC		0.	0.	0.	0.	1.	1.	1.	1.	0.	0.	0.	0.	4.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	135.	224.	224.	224.	89.	0.	0.	0.	896.
FLOW, UPSTREAM		416.	521.	634.	1439.	11197.	6473.	1738.	839.	904.	484.	482.	482.	25609.
FLOW, DOWNSTREAM		416.	521.	634.	1439.	11062.	6249.	1514.	515.	815.	484.	482.	482.	24713.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	276.	459.	459.	459.	184.	0.	0.	0.	1837.
DEMAND, DOMESTIC		3.	3.	3.	4.	7.	9.	11.	11.	5.	5.	3.	3.	67.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		3.	3.	3.	4.	283.	468.	470.	470.	189.	5.	3.	3.	1904.
FLOW, UPSTREAM		540.	664.	819.	1878.	14149.	7725.	1928.	745.	944.	513.	611.	611.	31247.
FLOW, DOWNSTREAM		537.	661.	815.	1894.	13866.	7257.	1458.	275.	755.	508.	608.	608.	29343.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	85.	0.	0.	0.	0.	85.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	491.	817.	817.	817.	327.	0.	0.	0.	3269.
DEMAND, DOMESTIC		3.	3.	3.	4.	8.	10.	12.	12.	5.	5.	3.	3.	71.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		3.	3.	3.	4.	499.	827.	829.	829.	332.	5.	3.	3.	3340.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

EQUESIS CR. WET YR. (2020) MED. GROWTH

Figure A.85

Date of Print-out
Feb. 16, 1973.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

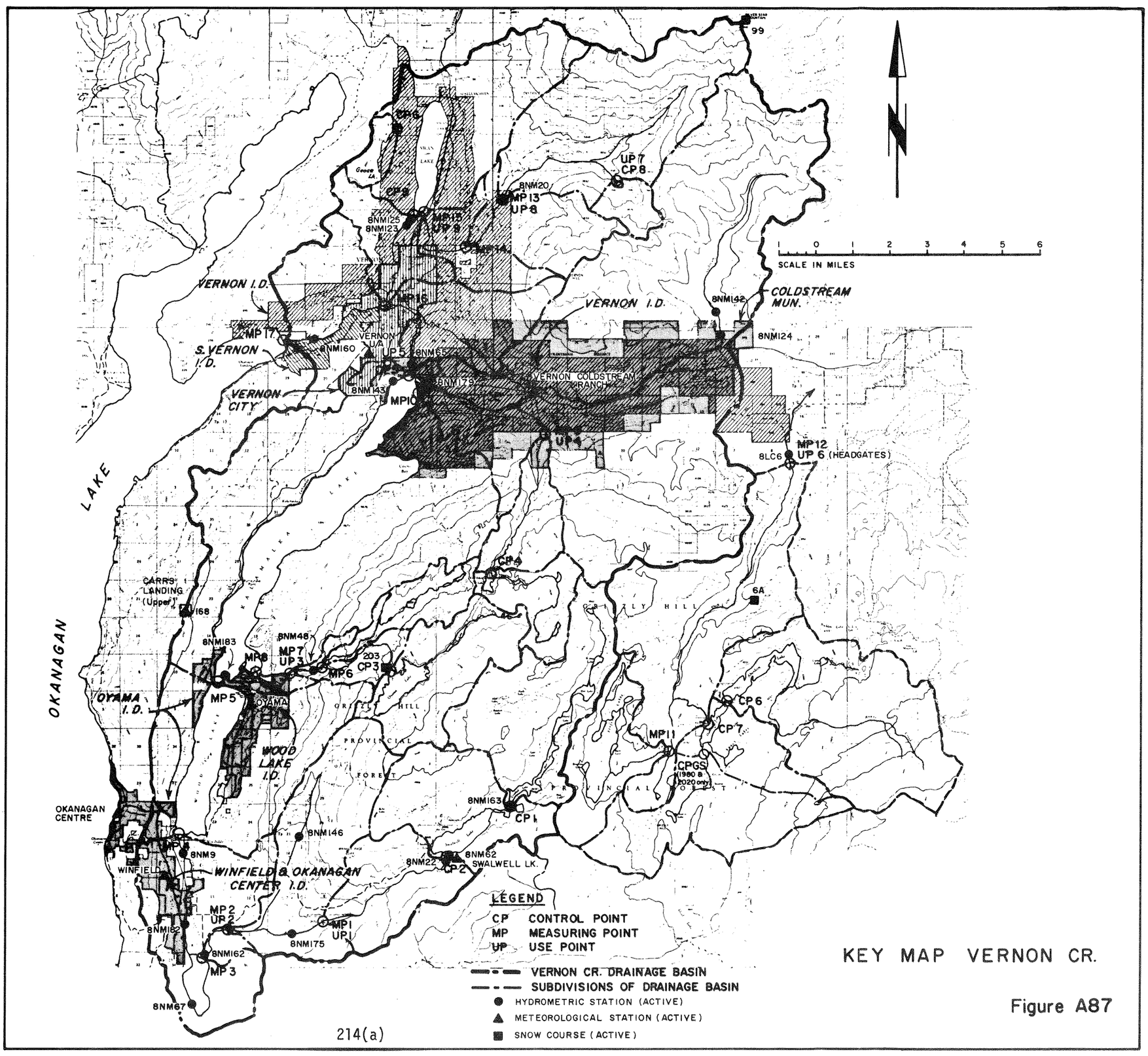
		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		755.	755.	755.	755.	2156.	2156.	1682.	1229.	755.	755.	755.	755.	
MEASURING POINT	5													
FLOW		369.	700.	858.	2047.	14803.	8090.	2160.	878.	1012.	637.	636.	636.	33026.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	40.	66.	66.	66.	26.	0.	0.	0.	264.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	40.	66.	66.	66.	26.	0.	0.	0.	264.
FLOW, UPSTREAM		128.	155.	198.	447.	2210.	1805.	895.	503.	619.	145.	145.	145.	7495.
FLOW, DOWNSTREAM		128.	155.	198.	447.	2170.	1739.	829.	537.	593.	145.	145.	145.	7231.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	45.	74.	74.	74.	30.	0.	0.	0.	297.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	1.	1.	1.	0.	0.	0.	0.	3.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	45.	75.	75.	75.	30.	0.	0.	0.	300.
FLOW, UPSTREAM		416.	521.	634.	1439.	11236.	6542.	1807.	908.	932.	484.	482.	482.	25885.
FLOW, DOWNSTREAM		416.	521.	634.	1439.	11193.	6467.	1732.	833.	902.	484.	482.	482.	25585.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	62.	104.	104.	104.	42.	0.	0.	0.	416.
DEMAND, DOMESTIC		2.	2.	2.	3.	5.	6.	8.	8.	4.	3.	2.	2.	47.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		2.	2.	2.	3.	67.	110.	112.	112.	46.	3.	2.	2.	463.
FLOW, UPSTREAM		540.	664.	819.	1898.	14280.	7943.	2146.	963.	1031.	613.	611.	611.	32119.
FLOW, DOWNSTREAM		538.	662.	817.	1895.	14213.	7833.	2034.	851.	985.	610.	609.	609.	31656.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	147.	244.	244.	244.	98.	0.	0.	0.	977.
DEMAND, DOMESTIC		2.	2.	2.	3.	5.	7.	9.	9.	4.	3.	2.	2.	50.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		2.	2.	2.	3.	152.	251.	253.	253.	102.	3.	2.	2.	1027.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

EQUESIS CR. WET YR. (2020) LOW GROWTH

Figure A.86

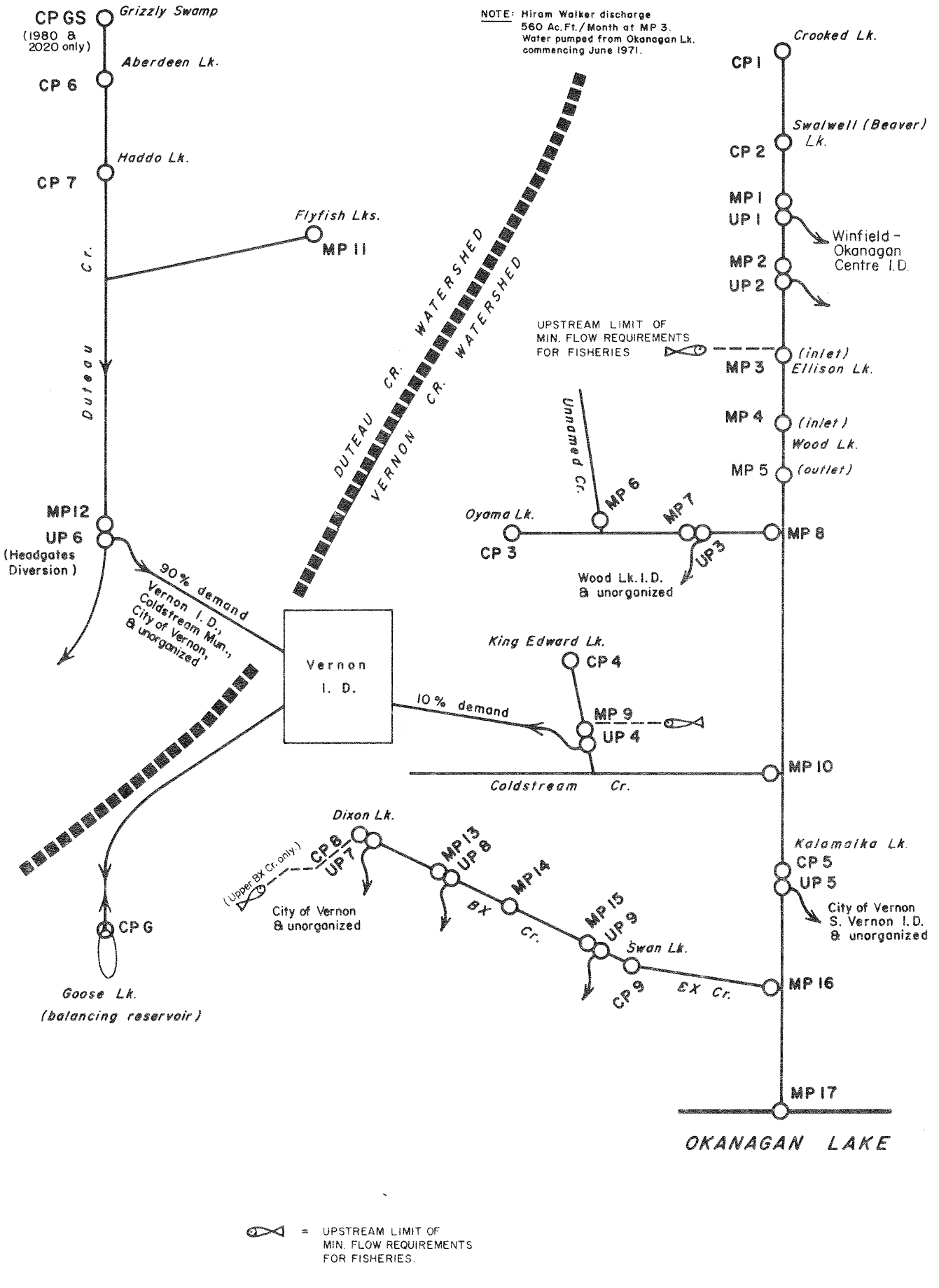
APPENDIX A-7

VERNON CREEK DATA



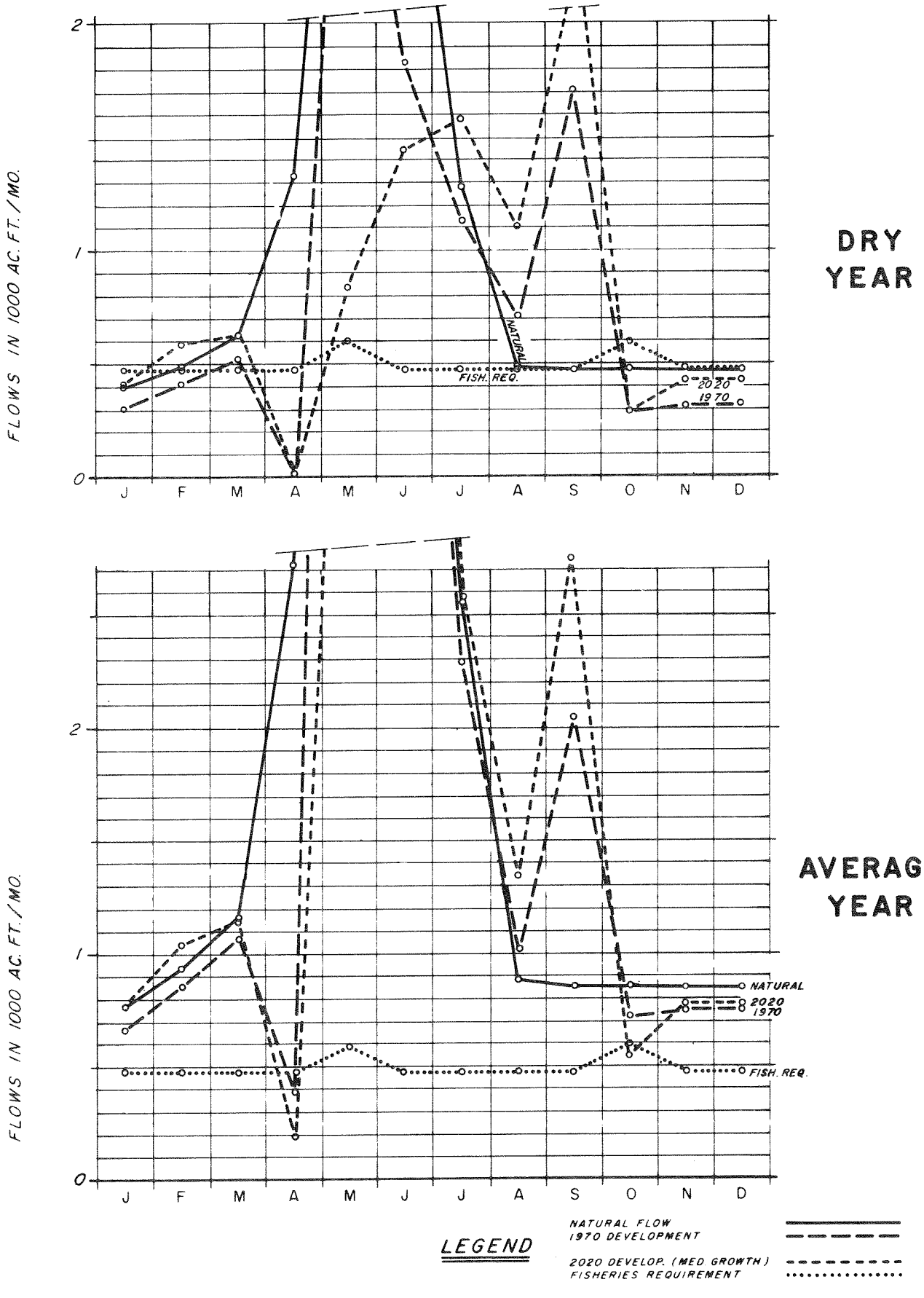
KEY MAP VERNON CR.

Figure A87



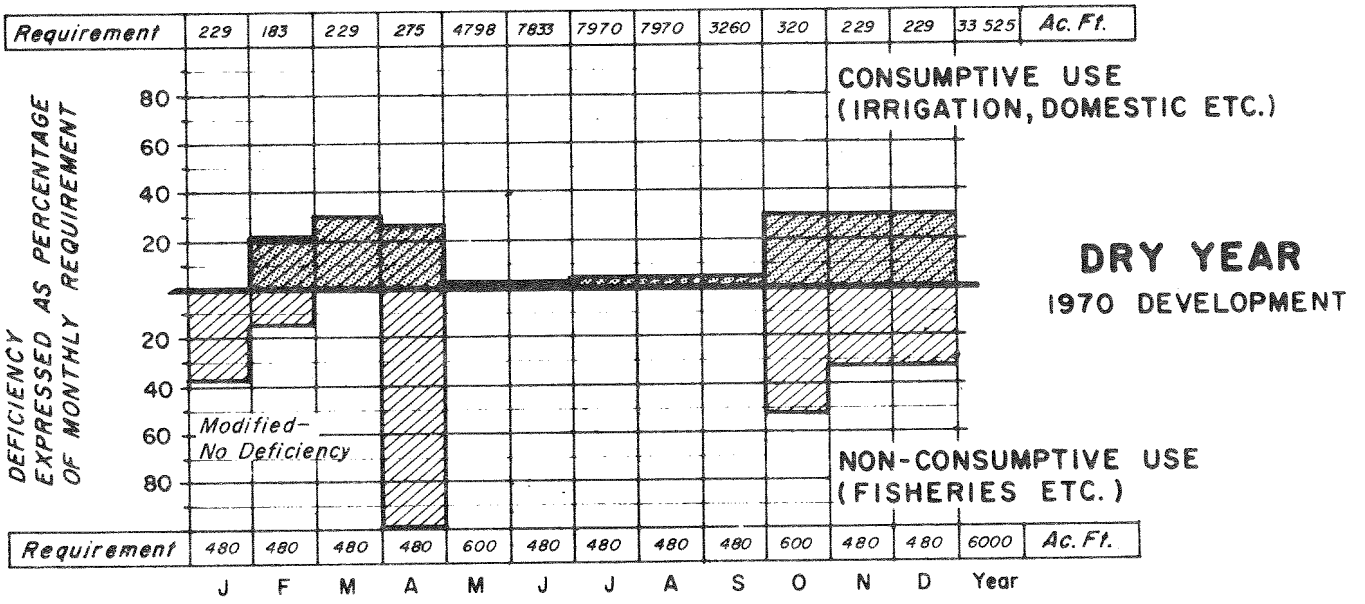
VERNON CR. SCHEMATIC

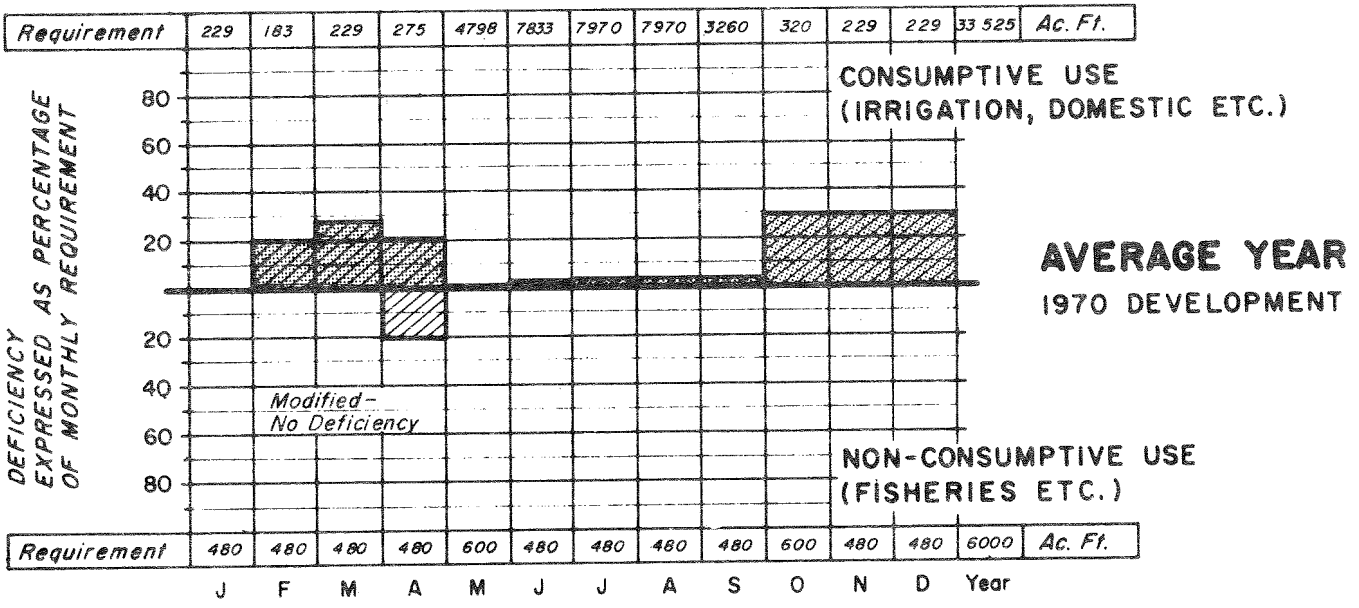
Figure A.88



VERNON CR. (MP 17)
HYDROGRAPHS OF FLOWS AT MOUTH

Figure A.89

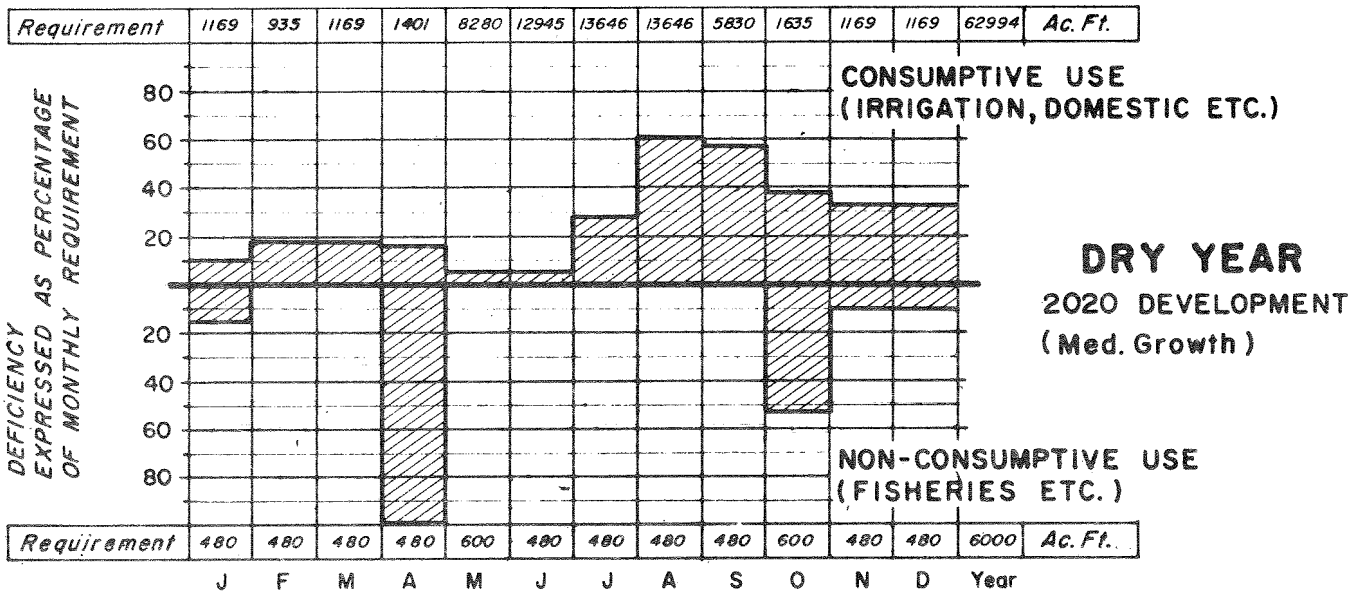


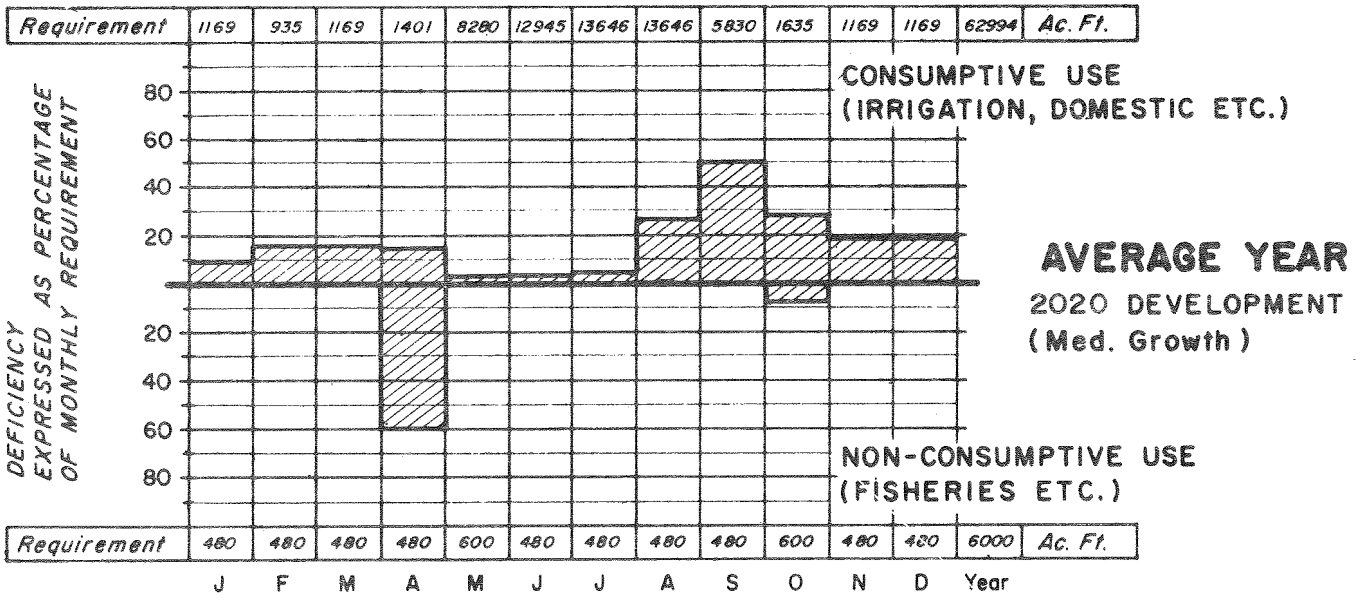


LEGEND
Historic (Simulated) Operation
Modified (Simulated) Operation

NOTES: 1. Consumptive Use deficiencies are totals for whole basin.
2. Non-Consumptive deficiencies are those extant at creek mouth.
3. In a Wet Year, a fisheries deficiency of 0 ac. ft. exists at mouth.

VERNON CR. (1970) DEFICIENCY DIAGRAM Figure A.90





LEGEND ////// Historic (Simulated) Operation

NOTES:
1. Consumptive Use deficiencies are totals for whole basin.
2. Non-Consumptive deficiencies are those extant at creek mouth.
3. In a Wet Year, a fisheries deficiency of 0 ac. ft. exists at mouth.

VERNON CR. (2020) DEFICIENCY DIAGRAM Figure A.91

Date Of Print-out:
Dec. 7, 1972

FLOWS IN AC. FT.

LOCATION	AREA IN K. AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR	
CPDA 1	8.8	52.	65.	83.	145.	1667.	876.	157.	67.	65.	68.	65.	65.	3374.	
CPDA 2	15.3	91.	115.	146.	252.	2963.	1566.	276.	120.	115.	115.	115.	115.	5990.	
MPDA 1	20.3	113.	143.	182.	324.	3613.	1891.	347.	147.	142.	142.	142.	142.	7327.	
MPDA 2	28.1	135.	170.	216.	398.	4220.	2192.	418.	172.	167.	167.	167.	167.	8589.	
MPDA 3	28.7	135.	170.	216.	398.	4220.	2192.	418.	172.	167.	167.	167.	167.	8589.	
MPDA 4	37.3	135.	170.	217.	400.	4225.	2195.	419.	172.	167.	167.	167.	167.	8601.	
MPDA 5	49.6	143.	179.	228.	430.	4415.	2283.	445.	180.	175.	175.	175.	175.	9005.	
CPDA 3	6.0	36.	48.	59.	99.	1260.	679.	112.	51.	48.	48.	48.	48.	2536.	
MPDA 6	6.0	30.	30.	45.	97.	731.	345.	90.	30.	30.	30.	30.	30.	1521.	
MPDA 7	13.6	73.	86.	114.	218.	2160.	1105.	223.	88.	85.	85.	85.	85.	4488.	
MPDA 8	14.0	74.	87.	116.	223.	2183.	1115.	227.	89.	86.	86.	86.	86.	4458.	VERNON
CPDA 4	2.9	18.	24.	30.	48.	593.	313.	54.	24.	24.	24.	24.	24.	1197.	CREEK
MPDA 9	6.0	32.	41.	52.	91.	997.	516.	97.	41.	40.	40.	40.	48.	2026.	
MPDA 10	49.2	110.	134.	171.	390.	2956.	1442.	360.	124.	123.	123.	123.	123.	6179.	
CPDA 5	142.7	344.	419.	541.	1110.	9974.	5036.	1090.	411.	403.	403.	403.	403.	20537.	
CPDA 8	1.2	3.	4.	4.	13.	68.	31.	11.	3.	3.	3.	3.	3.	148.	
MPDA 13	13.2	40.	51.	60.	133.	1491.	846.	136.	57.	50.	50.	48.	48.	3010.	
MPDA 14	17.4	46.	58.	69.	158.	1634.	912.	156.	64.	57.	57.	54.	54.	3317.	
MPDA 15	20.2	47.	59.	71.	162.	1656.	923.	160.	65.	58.	58.	55.	55.	3367.	
CPDA 9	29.7	53.	67.	81.	185.	1824.	1003.	181.	72.	65.	65.	62.	62.	3720.	
MPDA 16	32.8	53.	67.	81.	185.	1824.	1003.	181.	72.	65.	65.	62.	62.	3720.	
MPDA 17	187.3	399.	488.	625.	1303.	11842.	6059.	1278.	484.	469.	469.	466.	466.	24349.	MP17 = TOTAL OF NATURAL FLOWS YIELDED BY VERNON CR. & EXCLUDING DUTEAU CR DIVERSION
CPDA 6	13.0	69.	83.	103.	203.	3264.	2016.	227.	111.	95.	95.	83.	83.	6434.	
CPDA 7	23.5	124.	145.	188.	371.	5158.	3077.	396.	179.	161.	161.	145.	145.	10251.	DUTEAU
MPDA 11	4.5	24.	28.	36.	74.	678.	336.	73.	28.	28.	28.	28.	28.	1392.	CREEK
MPDA 12	41.7	208.	237.	316.	642.	7316.	4117.	652.	269.	251.	251.	235.	235.	14727.	MP12 = TOTAL OF NATURAL FLOWS YIELDED BY DUTEAU CR AT POINT OF DIVERSION (HEADGATES)
	229.0	607.	725.	941.	1945.	19158.	10176.	1930.	753.	720.	720.	701.	701.	39077.	MP17 + MP12 = SUM OF NATURAL FLOWS YIELDED BY VERNON CR + DUTEAU CR. AT HEADGATES (EQUIVALENT TO THEORETICAL TOTAL NATURAL YIELD OF DOUBLE BASIN)

VERNON CR. DRY YEAR (NATURAL FLOW) Figure A.92

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2200.	2200.	2200.	2345.	2445.	2445.	2372.	2276.	2200.	2200.	2200.	2200.	
CONTROL POINT	2													
STORAGE		3781.	3781.	3781.	9856.	7154.	7379.	8092.	6184.	3628.	3678.	3728.	3778.	
CONTROL POINT	3													
STORAGE		2993.	2993.	2993.	3892.	4352.	4756.	4265.	3641.	2993.	2993.	2993.	2993.	
CONTROL POINT	4													
STORAGE		626.	626.	626.	676.	1253.	1253.	1068.	840.	626.	626.	626.	626.	
CONTROL POINT	5													
STORAGE		10464.	10464.	10464.	11061.	13088.	13088.	12184.	11388.	10464.	10464.	10464.	10464.	
CONTROL POINT	6													
STORAGE		3618.	3618.	3618.	3819.	7883.	9840.	5785.	1966.	978.	678.	753.	838.	
CONTROL POINT	7													
STORAGE		204.	204.	204.	371.	1986.	122.	0.	0.	0.	66.	128.	190.	
CONTROL POINT	8													
STORAGE		12.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	9													
STORAGE		1476.	1476.	1476.	1669.	2466.	2466.	2166.	1796.	1476.	1476.	1476.	1476.	
CONTROL POINT	6													
STORAGE		487.	673.	927.	1123.	1123.	1123.	1123.	811.	487.	487.	487.	487.	
MEASURING POINT	3													
FLOW		130.	187.	298.	126.	1639.	0.	0.	0.	0.	94.	181.	181.	2837.
DEFICIENCY (FISH)		360.	323.	280.	354.	0.	480.	480.	480.	480.	506.	379.	379.	4804.
MEASURING POINT	4													
FLOW		130.	197.	288.	127.	1648.	2.	1.	0.	0.	96.	181.	181.	2965.
DEFICIENCY (FISH)		360.	323.	290.	353.	0.	478.	479.	480.	480.	506.	379.	379.	4479.
MEASURING POINT	5													
FLOW		130.	166.	212.	157.	1834.	91.	27.	8.	8.	108.	189.	189.	2966.
DEFICIENCY (FISH)		382.	314.	268.	323.	0.	389.	453.	472.	472.	498.	371.	371.	4295.
MEASURING POINT	8													
FLOW		72.	86.	113.	122.	698.	18.	6.	0.	458.	94.	84.	86.	1611.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		110.	134.	171.	341.	2244.	1218.	348.	98.	247.	126.	124.	124.	5283.
DEFICIENCY (FISH)		380.	226.	188.	19.	0.	0.	12.	261.	113.	356.	256.	236.	1888.
MEASURING POINT	14													
FLOW		52.	64.	82.	168.	1533.	828.	98.	8.	32.	84.	91.	91.	3113.
DEFICIENCY (FISH)		109.	96.	90.	5.	0.	0.	58.	144.	118.	186.	98.	98.	987.
MEASURING POINT	16													
FLOW		50.	63.	76.	0.	850.	814.	341.	351.	327.	62.	59.	59.	3052.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	17													
FLOW		353.	419.	526.	0.	3527.	1838.	1137.	705.	1726.	287.	331.	321.	11097.
DEFICIENCY (FISH)		177.	70.	0.	472.	0.	0.	0.	0.	0.	313.	189.	189.	1390.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	899.	1499.	1499.	1499.	600.	0.	0.	0.	5896.
DEMAND, DOMESTIC		16.	13.	16.	20.	33.	42.	52.	52.	26.	23.	16.	16.	385.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		16.	13.	16.	20.	932.	1541.	1551.	1551.	626.	23.	16.	16.	6281.
FLOW, UPSTREAM		116.	143.	182.	711.	2277.	1868.	1698.	1498.	771.	98.	99.	99.	9760.
FLOW, DOWNSTREAM		98.	130.	166.	51.	1286.	125.	385.	401.	145.	69.	76.	76.	2977.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	255.	426.	426.	426.	170.	0.	0.	0.	1703.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	255.	426.	426.	426.	170.	0.	0.	0.	1703.
FLOW, UPSTREAM		128.	157.	200.	126.	1894.	426.	426.	426.	170.	94.	101.	101.	4240.
FLOW, DOWNSTREAM		128.	157.	200.	126.	1639.	0.	0.	0.	6.	94.	101.	101.	2537.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	622.	783.	783.	783.	261.	0.	0.	0.	3012.
DEMAND, DOMESTIC		2.	1.	2.	2.	3.	4.	5.	5.	3.	2.	2.	2.	33.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		2.	1.	2.	2.	625.	787.	788.	788.	264.	2.	2.	2.	3045.
FLOW, UPSTREAM		73.	85.	114.	119.	900.	787.	788.	712.	733.	85.	85.	85.	4020.
FLOW, DOWNSTREAM		71.	84.	112.	117.	475.	0.	0.	4.	469.	83.	83.	83.	1981.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	135.	225.	225.	225.	90.	0.	0.	0.	900.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	135.	225.	225.	225.	90.	0.	0.	0.	900.
FLOW, UPSTREAM		32.	41.	52.	62.	419.	317.	319.	241.	254.	41.	41.	41.	2031.
FLOW, DOWNSTREAM		32.	41.	52.	62.	284.	292.	85.	16.	164.	41.	41.	41.	1131.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		328.	319.	308.	318.	196.	66.	275.	344.	196.	459.	319.	319.	3427.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	192.	321.	321.	321.	128.	0.	0.	0.	1283.
DEMAND, DOMESTIC		75.	60.	75.	90.	151.	196.	241.	241.	128.	105.	75.	75.	1990.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		75.	60.	75.	90.	343.	517.	562.	562.	248.	105.	75.	75.	2787.
FLOW, UPSTREAM		328.	405.	522.	90.	2977.	1516.	1353.	915.	1639.	328.	338.	338.	10739.
FLOW, DOWNSTREAM		251.	345.	447.	0.	2634.	997.	791.	353.	1391.	223.	260.	260.	7952.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		229.	135.	33.	0.	0.	0.	127.	0.	0.	377.	220.	220.	1341.
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	2315.	3859.	3859.	3459.	1543.	0.	0.	0.	15035.
DEMAND, DOMESTIC		62.	50.	62.	75.	126.	162.	199.	199.	99.	87.	62.	62.	1243.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		62.	50.	62.	75.	2439.	4021.	4058.	4058.	1642.	87.	62.	62.	16278.
FLOW, UPSTREAM		353.	236.	316.	271.	2439.	4021.	4058.	4349.	1967.	93.	118.	118.	18389.
FLOW, DOWNSTREAM		291.	186.	254.	196.	0.	0.	0.	311.	325.	0.	56.	56.	1681.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	7													
DEMAND, IRRIGATION		0.	0.	0.	0.	27.	45.	45.	45.	18.	0.	0.	0.	180.
DEMAND, DOMESTIC		74.	59.	74.	88.	147.	198.	236.	236.	118.	103.	74.	74.	1476.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		74.	59.	74.	88.	174.	237.	281.	281.	136.	103.	74.	74.	1655.
FLOW, UPSTREAM		76.	16.	4.	13.	68.	31.	11.	3.	3.	3.	3.	3.	232.
FLOW, DOWNSTREAM		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DEFICIENCY		0.	43.	78.	75.	106.	206.	270.	278.	133.	100.	71.	71.	1423.
DEFICIENCY (FISH)		150.	180.	150.	150.	240.	150.	150.	180.	150.	240.	150.	150.	1980.
USE POINT	8													
DEMAND, IRRIGATION		0.	0.	0.	0.	32.	54.	54.	54.	22.	0.	0.	0.	216.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	32.	54.	54.	54.	22.	0.	0.	0.	216.
FLOW, UPSTREAM		37.	47.	56.	120.	1422.	816.	125.	54.	48.	48.	48.	48.	2963.
FLOW, DOWNSTREAM		37.	47.	56.	120.	1398.	792.	71.	0.	26.	48.	48.	48.	2947.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		113.	103.	94.	30.	0.	0.	79.	180.	124.	192.	108.	108.	1096.
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	63.	105.	105.	105.	42.	0.	0.	0.	420.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	63.	105.	105.	105.	42.	0.	0.	0.	420.
FLOW, UPSTREAM		44.	55.	66.	149.	1550.	838.	98.	7.	33.	55.	55.	55.	3002.
FLOW, DOWNSTREAM		44.	55.	66.	149.	1493.	733.	0.	0.	6.	55.	55.	55.	2699.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	10.	98.	9.	0.	0.	0.	117.
DEFICIENCY (FISH)		106.	98.	84.	1.	0.	0.	150.	150.	150.	188.	98.	98.	1117.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	4340.	7237.	7237.	7237.	2896.	0.	0.	0.	28948.
DEMAND, DOMESTIC		229.	183.	229.	275.	458.	596.	733.	733.	366.	328.	229.	229.	4589.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		229.	183.	229.	275.	4798.	7833.	7970.	7970.	3260.	328.	229.	229.	33525.
DEMAND, DEFICIENCY		0.	43.	78.	75.	106.	206.	280.	376.	142.	100.	71.	71.	1940.

VERNON CR. DRY YEAR (1970) Figure A.93

NOTE: Hiram Walker discharge 800 ac.ft./mo. at MP 3.
Water pumped from Okanagan Lake, commencing June 1971.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2198.	2198.	2198.	2361.	2640.	2640.	2367.	2200.	2198.	2198.	2198.	2198.	
CONTROL POINT	2													
STORAGE		8729.	8731.	8781.	8778.	7974.	9988.	9982.	9497.	1167.	1093.	1108.	1111.	
CONTROL POINT	3													
STORAGE		3833.	3833.	3833.	3138.	4388.	6979.	6398.	3898.	3833.	3833.	3833.	3833.	
CONTROL POINT	4													
STORAGE		818.	813.	817.	880.	1242.	1889.	1040.	778.	888.	898.	898.	909.	
CONTROL POINT	5													
STORAGE		20000.	20000.	20000.	20000.	24836.	20000.	22000.	21780.	20000.	20000.	20000.	20000.	
CONTROL POINT	6													
STORAGE		3942.	3390.	3220.	3100.	3000.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	9													
STORAGE		1478.	1478.	1478.	1637.	2000.	2000.	2100.	1790.	1478.	1478.	1478.	1478.	
CONTROL POINT	6													
STORAGE		798.	798.	798.	798.	798.	798.	798.	798.	798.	798.	798.	798.	
CONTROL POINT	6S													
STORAGE		1800.	1800.	1800.	1811.	2797.	1329.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		560.	581.	618.	596.	1757.	560.	560.	560.	560.	560.	550.	563.	8032.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	40.	0.	0.	40.
MEASURING POINT	4													
FLOW		560.	581.	618.	597.	1762.	562.	561.	560.	560.	560.	560.	560.	8041.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	40.	0.	0.	40.
MEASURING POINT	5													
FLOW		568.	590.	630.	627.	1952.	651.	587.	568.	568.	568.	568.	568.	8445.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	32.	0.	0.	32.
MEASURING POINT	8													
FLOW		38.	58.	76.	77.	595.	10.	257.	256.	514.	31.	47.	47.	2010.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		78.	93.	119.	299.	2174.	1152.	267.	83.	129.	83.	87.	83.	4639.
DEFICIENCY (FISH)		282.	267.	241.	61.	0.	0.	97.	277.	231.	397.	277.	277.	2407.
MEASURING POINT	14													
FLOW		41.	53.	63.	143.	1494.	764.	27.	6.	6.	52.	49.	48.	2747.
DEFICIENCY (FISH)		109.	97.	87.	7.	0.	0.	123.	144.	144.	108.	101.	101.	1101.
MEASURING POINT	16													
FLOW		46.	56.	66.	0.	710.	608.	341.	331.	327.	48.	49.	49.	2666.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	17													
FLOW		332.	488.	512.	8.	753.	756.	1514.	1020.	2474.	178.	359.	389.	8753.
DEFICIENCY (FISH)		148.	0.	0.	472.	0.	0.	0.	0.	0.	422.	121.	121.	1284.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	907.	1512.	1512.	1512.	605.	0.	0.	0.	6048.
DEMAND, DOMESTIC		126.	101.	126.	151.	252.	328.	403.	403.	202.	178.	126.	126.	2323.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		126.	101.	126.	151.	1159.	1840.	1915.	1915.	807.	178.	126.	126.	8368.
FLOW, UPSTREAM		136.	121.	162.	181.	2218.	2299.	2623.	2669.	1105.	196.	133.	133.	11966.
FLOW, DOWNSTREAM		10.	20.	36.	0.	1059.	459.	708.	754.	298.	20.	7.	7.	3368.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	406.	676.	676.	676.	271.	0.	0.	0.	2705.
DEMAND, DOMESTIC		32.	26.	32.	39.	54.	84.	103.	103.	52.	45.	32.	32.	644.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		32.	26.	32.	39.	460.	760.	779.	779.	323.	45.	32.	32.	3349.
FLOW, UPSTREAM		32.	47.	90.	75.	1667.	760.	779.	779.	323.	45.	32.	32.	4661.
FLOW, DOWNSTREAM		0.	21.	58.	36.	1197.	0.	0.	0.	0.	0.	0.	0.	1312.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	250.	416.	416.	416.	166.	0.	0.	0.	1656.
DEMAND, DOMESTIC		39.	31.	39.	47.	78.	102.	129.	129.	63.	55.	39.	39.	782.
DEMAND, INDUSTRIAL		0.	8.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		39.	31.	39.	47.	328.	518.	541.	541.	229.	55.	39.	39.	2446.
FLOW, UPSTREAM		73.	85.	114.	119.	900.	518.	804.	796.	742.	85.	85.	85.	4408.
FLOW, DOWNSTREAM		34.	54.	75.	72.	572.	0.	263.	255.	513.	30.	46.	46.	1960.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	95.	158.	158.	158.	63.	0.	0.	0.	632.
DEMAND, DOMESTIC		48.	38.	48.	57.	95.	124.	152.	152.	76.	57.	45.	48.	953.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		48.	38.	48.	57.	190.	282.	310.	310.	139.	57.	45.	48.	1585.
FLOW, UPSTREAM		48.	38.	48.	57.	404.	508.	310.	310.	185.	57.	48.	48.	2071.
FLOW, DOWNSTREAM		0.	0.	0.	0.	214.	226.	0.	0.	46.	0.	0.	0.	486.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		360.	360.	360.	360.	296.	134.	360.	360.	214.	480.	360.	360.	3974.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	271.	451.	451.	451.	180.	0.	0.	0.	1804.
DEMAND, DOMESTIC		408.	327.	408.	490.	617.	1062.	1307.	1307.	854.	372.	408.	408.	8168.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		408.	327.	408.	490.	1088.	1513.	1758.	1758.	834.	372.	408.	408.	9972.
FLOW, UPSTREAM		698.	758.	851.	490.	1088.	1642.	2925.	2925.	2980.	700.	716.	716.	15968.
FLOW, DOWNSTREAM		290.	431.	443.	0.	0.	129.	1167.	867.	2148.	128.	308.	308.	8018.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		190.	49.	37.	480.	600.	354.	0.	0.	0.	472.	172.	172.	2523.
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	4548.	7580.	7580.	7580.	3032.	0.	0.	0.	30320.
DEMAND, DOMESTIC		485.	388.	485.	582.	970.	1260.	1551.	1551.	776.	679.	485.	485.	9697.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		485.	388.	485.	582.	5518.	8840.	9131.	9131.	3808.	679.	485.	485.	40017.
FLOW, UPSTREAM		485.	388.	485.	582.	5518.	8840.	1977.	266.	248.	248.	235.	235.	19507.
FLOW, DOWNSTREAM		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	7154.	8865.	3560.	431.	250.	250.	20510.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	7													
DEMAND, IRRIGATION		0.	0.	0.	0.	54.	90.	90.	90.	36.	0.	0.	0.	360.
DEMAND, DOMESTIC		252.	201.	252.	302.	503.	654.	806.	806.	403.	352.	252.	252.	5035.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		252.	201.	252.	302.	557.	744.	896.	896.	439.	352.	252.	252.	5395.
FLOW, UPSTREAM		86.	4.	4.	13.	68.	31.	11.	3.	3.	3.	3.	3.	232.
FLOW, DOWNSTREAM		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DEFICIENCY		166.	197.	248.	289.	489.	713.	885.	893.	436.	349.	249.	249.	5163.
DEFICIENCY (FISH)		150.	150.	150.	150.	240.	150.	150.	150.	150.	240.	150.	150.	1980.
USE POINT	8													
DEMAND, IRRIGATION		0.	0.	0.	0.	68.	113.	113.	113.	45.	0.	0.	0.	452.
DEMAND, DOMESTIC		2.	1.	2.	2.	3.	5.	6.	6.	3.	2.	2.	2.	36.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		2.	1.	2.	2.	71.	118.	119.	119.	48.	2.	2.	2.	488.
FLOW, UPSTREAM		37.	47.	56.	120.	1422.	816.	125.	56.	48.	48.	45.	45.	2865.
FLOW, DOWNSTREAM		35.	46.	54.	118.	1351.	698.	6.	0.	0.	45.	43.	43.	2440.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	65.	0.	0.	0.	0.	65.
DEFICIENCY (FISH)		115.	104.	96.	32.	0.	0.	144.	150.	150.	194.	107.	107.	1199.
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	135.	225.	225.	225.	90.	0.	0.	0.	900.
DEMAND, DOMESTIC		8.	7.	8.	10.	17.	22.	27.	27.	13.	12.	8.	8.	157.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		8.	7.	8.	10.	152.	247.	252.	252.	103.	12.	8.	8.	1067.
FLOW, UPSTREAM		42.	54.	66.	167.	1517.	774.	30.	7.	7.	53.	50.	50.	2795.
FLOW, DOWNSTREAM		36.	47.	56.	137.	1385.	527.	0.	0.	0.	41.	42.	42.	2291.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	222.	245.	96.	0.	0.	0.	563.
DEFICIENCY (FISH)		116.	103.	94.	13.	0.	0.	150.	150.	150.	199.	108.	108.	1191
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	6734.	11221.	11221.	11221.	4488.	0.	0.	0.	44885.
DEMAND, DOMESTIC		1400.	1120.	1400.	1680.	2799.	3641.	4480.	4480.	2242.	1960.	1400.	1400.	28002.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		1400.	1120.	1400.	1680.	9533.	14862.	15701.	15701.	6730.	1960.	1400.	1400.	72887.
DEMAND, DEFICIENCY		166.	197.	248.	289.	489.	713.	8261.	10068.	4092.	780.	499.	499.	26301.

VERNON CR. DRY YR. (2020) HIGH GROWTH Figure A.94

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

NOTE: Hiram Walker discharge 360 cu.ft./mo. at M P 3.
Water pumped from Okanagan Lake, commencing June 1971.

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2196.	2196.	2196.	2341.	2440.	2440.	2367.	2269.	2196.	2196.	2196.	2196.	
CONTROL POINT	2													
STORAGE		5751.	5751.	5751.	5803.	7099.	6095.	4910.	2704.	1912.	1895.	1930.	1965.	
CONTROL POINT	3													
STORAGE		3033.	3033.	3033.	3132.	4392.	4756.	4206.	3527.	3093.	3033.	3033.	3033.	
CONTROL POINT	4													
STORAGE		618.	626.	626.	658.	1253.	1253.	998.	687.	575.	581.	582.	583.	
CONTROL POINT	5													
STORAGE		20000.	20000.	20000.	20676.	24923.	25000.	23250.	21750.	20000.	20000.	20000.	20000.	
CONTROL POINT	6													
STORAGE		3618.	3534.	3466.	3486.	6737.	983.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	9													
STORAGE		1476.	1476.	1476.	1648.	2480.	2480.	2148.	1798.	1476.	1476.	1476.	1476.	
CONTROL POINT	6													
STORAGE		750.	750.	750.	750.	750.	750.	750.	750.	750.	750.	750.	750.	
CONTROL POINT	6S													
STORAGE		1500.	1500.	1500.	1811.	2757.	3000.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		564.	625.	644.	603.	1890.	560.	560.	560.	560.	553.	560.	560.	8246.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	40.	0.	0.	40.
MEASURING POINT	4													
FLOW		564.	625.	644.	604.	1895.	562.	561.	560.	560.	559.	560.	560.	8255.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	40.	0.	0.	40.
MEASURING POINT	5													
FLOW		572.	634.	656.	634.	2085.	661.	587.	568.	568.	568.	568.	568.	8659.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	32.	0.	0.	32.
MEASURING POINT	8													
FLOW		41.	60.	82.	85.	461.	10.	4.	1.	263.	46.	53.	53.	1153.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		78.	94.	131.	299.	2159.	1115.	263.	83.	83.	83.	83.	83.	4554.
DEFICIENCY (FISH)		282.	266.	229.	61.	0.	0.	97.	277.	277.	397.	277.	277.	2340.
MEASURING POINT	14													
FLOW		42.	53.	64.	144.	1522.	811.	74.	5.	25.	52.	50.	50.	2893.
DEFICIENCY (FISH)		108.	97.	86.	0.	0.	0.	76.	144.	126.	108.	100.	100.	1050.
MEASURING POINT	16													
FLOW		42.	56.	68.	0.	798.	749.	341.	351.	327.	50.	51.	51.	2884.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	17													
FLOW		411.	593.	625.	8.	841.	1450.	1592.	1106.	2339.	284.	434.	434.	10112.
DEFICIENCY (FISH)		69.	0.	0.	472.	0.	0.	0.	0.	0.	346.	46.	46.	949.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	907.	1512.	1512.	1512.	605.	0.	0.	0.	6048.
DEMAND, DOMESTIC		105.	84.	105.	126.	210.	273.	336.	336.	168.	147.	105.	105.	2100.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		105.	84.	105.	126.	1117.	1785.	1848.	1848.	773.	147.	105.	105.	8148.
FLOW, UPSTREAM		114.	143.	182.	126.	2218.	2095.	2404.	2450.	1007.	159.	107.	107.	11112.
FLOW, DOWNSTREAM		9.	59.	77.	0.	1101.	310.	556.	602.	234.	12.	2.	2.	2964.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	325.	541.	541.	541.	216.	0.	0.	0.	2164.
DEMAND, DOMESTIC		27.	21.	27.	32.	54.	78.	86.	86.	43.	37.	27.	27.	537.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		27.	21.	27.	32.	379.	611.	627.	627.	259.	37.	27.	27.	2701.
FLOW, UPSTREAM		31.	86.	111.	75.	1709.	611.	627.	627.	259.	37.	27.	27.	4227.
FLOW, DOWNSTREAM		4.	65.	84.	43.	1330.	0.	0.	0.	0.	0.	0.	0.	1526.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	397.	662.	662.	662.	265.	0.	0.	0.	2648.
DEMAND, DOMESTIC		33.	26.	33.	39.	85.	85.	105.	105.	52.	46.	33.	33.	655.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		33.	26.	33.	39.	482.	747.	767.	767.	317.	46.	33.	33.	3303.
FLOW, UPSTREAM		73.	85.	114.	119.	900.	747.	767.	767.	579.	85.	85.	85.	4406.
FLOW, DOWNSTREAM		40.	59.	81.	80.	418.	0.	0.	0.	262.	39.	52.	52.	1103.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	135.	225.	225.	225.	90.	0.	0.	0.	900.
DEMAND, DOMESTIC		40.	32.	40.	48.	79.	103.	127.	127.	63.	55.	40.	40.	794.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		40.	32.	40.	48.	214.	328.	352.	352.	153.	55.	40.	40.	1694.
FLOW, UPSTREAM		40.	33.	52.	48.	413.	517.	352.	352.	153.	55.	40.	40.	2095.
FLOW, DOWNSTREAM		0.	1.	12.	0.	199.	189.	0.	0.	0.	0.	0.	0.	401.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		360.	339.	348.	360.	281.	171.	360.	360.	360.	480.	360.	360.	4159.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	196.	327.	327.	327.	131.	0.	0.	0.	1308.
DEMAND, DOMESTIC		341.	273.	341.	409.	682.	886.	1090.	1090.	545.	477.	341.	341.	6816.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		341.	273.	341.	409.	878.	1213.	1417.	1417.	676.	477.	341.	341.	8124.
FLOW, UPSTREAM		708.	808.	695.	409.	678.	1895.	2662.	2170.	2592.	709.	722.	722.	15259.
FLOW, DOWNSTREAM		367.	535.	554.	0.	0.	682.	1245.	753.	2006.	232.	381.	381.	7135.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		113.	0.	0.	480.	600.	0.	0.	0.	0.	368.	0.	0.	1561.
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	3821.	6369.	6369.	6369.	2547.	0.	0.	0.	25475.
DEMAND, DOMESTIC		405.	324.	405.	486.	810.	1054.	1297.	1297.	648.	567.	405.	405.	9103.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		405.	324.	405.	486.	4631.	7423.	7666.	7666.	3195.	567.	405.	405.	33578.
FLOW, UPSTREAM		405.	324.	405.	486.	4631.	7423.	4601.	266.	248.	248.	235.	235.	19507.
FLOW, DOWNSTREAM		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	3065.	7400.	2947.	319.	170.	170.	14071.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	7													
DEMAND, IRRIGATION		0.	0.	0.	0.	41.	68.	68.	68.	27.	0.	0.	0.	272.
DEMAND, DOMESTIC		210.	168.	210.	252.	420.	546.	672.	672.	336.	294.	210.	210.	4200.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		210.	168.	210.	252.	461.	614.	740.	740.	363.	294.	210.	210.	4472.
FLOW, UPSTREAM		86.	4.	4.	13.	68.	31.	11.	3.	3.	3.	3.	3.	232.
FLOW, DOWNSTREAM		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DEFICIENCY		124.	164.	206.	239.	393.	583.	729.	737.	360.	291.	207.	207.	4240.
DEFICIENCY (FISH)		150.	150.	150.	150.	240.	150.	150.	150.	150.	240.	150.	150.	1980.
USE POINT	8													
DEMAND, IRRIGATION		0.	0.	0.	0.	41.	68.	68.	68.	27.	0.	0.	0.	272.
DEMAND, DOMESTIC		1.	1.	1.	1.	2.	3.	4.	4.	2.	2.	1.	1.	23.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		1.	1.	1.	1.	43.	71.	72.	72.	29.	2.	1.	1.	295.
FLOW, UPSTREAM		37.	47.	55.	120.	1422.	816.	125.	54.	48.	48.	45.	45.	2863.
FLOW, DOWNSTREAM		36.	46.	55.	119.	1379.	745.	53.	0.	19.	46.	44.	44.	2586.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	18.	0.	0.	0.	0.	18.
DEFICIENCY (FISH)		114.	104.	95.	31.	0.	0.	97.	150.	131.	194.	108.	106.	1128.
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	81.	135.	135.	135.	54.	0.	0.	0.	540.
DEMAND, DOMESTIC		7.	6.	7.	8.	14.	18.	22.	22.	11.	10.	7.	7.	139.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		7.	6.	7.	8.	95.	153.	157.	157.	65.	10.	7.	7.	679.
FLOW, UPSTREAM		43.	54.	65.	148.	1565.	821.	77.	7.	26.	53.	51.	51.	2941.
FLOW, DOWNSTREAM		36.	48.	58.	140.	1450.	668.	0.	0.	0.	43.	44.	44.	2531.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	80.	150.	39.	0.	0.	0.	269.
DEFICIENCY (FISH)		114.	102.	92.	10.	0.	0.	150.	150.	150.	197.	108.	106.	1177.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	5944.	9907.	9907.	9907.	3962.	0.	0.	0.	39627.
DEMAND, DOMESTIC		1169.	935.	1169.	1401.	2336.	3038.	3739.	3739.	1868.	1635.	1169.	1169.	23367.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		1169.	935.	1169.	1401.	8280.	12945.	13646.	13646.	5830.	1635.	1169.	1169.	62994.
DEMAND, DEFICIENCY		124.	164.	206.	239.	393.	583.	3874.	8305.	3346.	610.	377.	377.	18598.

VERNON CR. DRY YR.(2020) MED.GROWTH Figure A.95

Date of Print-out: Feb. 16, 1973

NOTE: Hiram Walker discharge 560 cu.ft./mo. at MP 3.
Water pumped from Okanagan Lake, commencing June 1971.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2196.	2196.	2196.	2341.	2860.	2840.	2367.	2269.	2196.	2196.	2196.	2196.	
CONTROL POINT	2													
STORAGE		5751.	5751.	5751.	5828.	7124.	7285.	5680.	5894.	5222.	5241.	5291.	5341.	
CONTROL POINT	3													
STORAGE		3033.	3033.	3033.	3132.	4392.	4812.	4334.	3690.	3033.	3033.	3033..	3033.	
CONTROL POINT	4													
STORAGE		626.	626.	626.	674.	1293.	1293.	1034.	799.	626.	622.	626.	626.	
CONTROL POINT	5													
STORAGE		20000.	20000.	20000.	20774.	25000.	25000.	23250.	21750.	20000.	20000.	20000.	20000.	
CONTROL POINT	6													
STORAGE		3818.	3818.	3818.	3860.	8639.	9852.	2308.	0.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		100.	88.	92.	3.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	9													
STORAGE		1476.	1476.	1476.	1541.	2480.	2480.	2140.	1796.	1476.	1476.	1476.	1476.	
CONTROL POINT	G													
STORAGE		750.	750.	750.	750.	750.	750.	750.	750.	750.	750.	750.	750.	
CONTROL POINT	GS													
STORAGE		1500.	1500.	1500.	1611.	2757.	3000.	2400.	172.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		590.	646.	670.	609.	2120.	560.	560.	560.	560.	560.	571.	571.	8577.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	40	0.	0.	40
MEASURING POINT	4													
FLOW		590.	646.	670.	610.	2125.	562.	561.	560.	560.	560.	571.	571.	8586.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	40	0.	0.	40
MEASURING POINT	5													
FLOW		598.	655.	682.	640.	2315.	651.	587.	568.	568.	568.	579.	579.	8990.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	32	0.	0.	32
MEASURING POINT	8													
FLOW		48.	65.	89.	92.	500.	10.	4.	32.	454.	49.	60.	60.	1463.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		78.	109.	139.	303.	2186.	1146.	263.	83.	119.	83.	88.	92.	4689.
DEFICIENCY (FISH)		282.	251	221	57	0.	0.	97	277	241	397	272	268	2363
MEASURING POINT	14													
FLOW		42.	53.	64.	144.	1531.	825.	89.	6.	30.	53.	50.	50.	2937.
DEFICIENCY (FISH)		108	97	86	6	0.	0.	61	144	120	187	100	100	1009
MEASURING POINT	16													
FLOW		43.	58.	69.	0.	838.	812.	341.	351.	327.	53.	52.	52.	2996.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	17													
FLOW		512.	690.	734.	8.	1373.	1860.	1871.	1416.	2695.	390.	525.	529.	12603.
DEFICIENCY (FISH)		0.	0.	0.	472	0.	0.	0.	0.	0.	210	0.	0.	682
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	817.	1361.	1361.	1361.	544.	0.	0.	0.	5444.
DEMAND, DOMESTIC		84.	67.	84.	101.	169.	219.	270.	270.	135.	118.	84.	84.	1685.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		84.	67.	84.	101.	986.	1580.	1631.	1631.	679.	118.	84.	84.	7129.
FLOW, UPSTREAM		114.	143.	182.	101.	2218.	1730.	2024.	2070.	847.	123.	92.	92.	9736.
FLOW, DOWNSTREAM		30.	76.	98.	0.	1232.	150.	393.	439.	168.	5.	8.	8.	2607.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	237.	395.	395.	395.	158.	0.	0.	0.	1580.
DEMAND, DOMESTIC		22.	17.	22.	26.	43.	56.	69.	69.	35.	30.	22.	22.	433.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		22.	17.	22.	26.	280.	451.	464.	464.	193.	30.	22.	22.	2013.
FLOW, UPSTREAM		52.	103.	132.	75.	1840.	451.	464.	464.	193.	30.	33.	33.	3870.
FLOW, DOWNSTREAM		30.	86.	110.	49.	1560.	0.	0.	0.	0.	0.	11.	11.	1857.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	370.	617.	617.	617.	247.	0.	0.	0.	2468.
DEMAND, DOMESTIC		26.	21.	26.	32.	53.	68.	84.	84.	42.	37.	26.	26.	525.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		26.	21.	26.	32.	423.	685.	701.	701.	289.	37.	26.	26.	2993.
FLOW, UPSTREAM		73.	85.	114.	119.	900.	685.	701.	732.	742.	85.	85.	85.	4406.
FLOW, DOWNSTREAM		47.	64.	88.	87.	477.	0.	0.	31.	453.	48.	59.	59.	1413.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	129.	214.	214.	214.	86.	0.	0.	0.	857.
DEMAND, DOMESTIC		32.	25.	32.	38.	64.	83.	102.	102.	51.	45.	32.	32.	638.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		32.	25.	32.	38.	193.	297.	316.	316.	137.	45.	32.	32.	1495.
FLOW, UPSTREAM		32.	41.	52.	42.	417.	517.	316.	316.	173.	45.	37.	41.	2031.
FLOW, DOWNSTREAM		0.	16.	20.	4.	226.	220.	0.	0.	36.	0.	5.	9.	536.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		360	344	340	356	254	140	360	360	324	480	355	351	4024
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	157.	262.	262.	262.	105.	0.	0.	0.	1048.
DEMAND, DOMESTIC		276.	219.	274.	328.	547.	711.	876.	876.	438.	383.	274.	274.	5478.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		276.	219.	274.	328.	704.	973.	1138.	1138.	543.	383.	274.	274.	6522.
FLOW, UPSTREAM		741.	849.	936.	328.	1196.	2002.	2662.	2201.	2910.	718.	745.	749.	16036.
FLOW, DOWNSTREAM		467.	630.	662.	0.	492.	1029.	1524.	1063.	2367.	335.	471.	475.	9514.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		13	0.	0.	480	108	0.	0.	0.	0.	265	9	5	880
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	2285.	3808.	3808.	3808.	1523.	0.	0.	0.	15232.
DEMAND, DOMESTIC		311.	248.	311.	373.	621.	808.	994.	994.	497.	435.	311.	311.	6214.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		311.	248.	311.	373.	2906.	4616.	4802.	4802.	2020.	435.	311.	311.	21446.
FLOW, UPSTREAM		311.	248.	311.	373.	2906.	4616.	4802.	4802.	420.	248.	235.	235.	19507.
FLOW, DOWNSTREAM		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	1600.	187.	76.	76.	1939.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	7													
DEMAND, IRRIGATION		0.	0.	0.	0.	27.	45.	45.	45.	18.	0.	0.	0.	180.
DEMAND, DOMESTIC		181.	145.	181.	218.	363.	472.	581.	581.	290.	254.	181.	181.	3628.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		181.	145.	191.	218.	390.	517.	626.	626.	308.	254.	181.	181.	3808.
FLOW, UPSTREAM		86.	4.	4.	13.	68.	31.	11.	3.	3.	3.	3.	3.	232.
FLOW, DOWNSTREAM		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DEFICIENCY		95.	141.	177.	205.	322.	486.	615.	623.	305.	251.	178.	178.	3576.
DEFICIENCY (FISH)		150	150	150	150	240	150	150	150	150	240	150	150	1980
USE POINT	8													
DEMAND, IRRIGATION		0.	0.	0.	0.	32.	54.	54.	54.	22.	0.	0.	0.	216.
DEMAND, DOMESTIC		1.	1.	1.	1.	2.	3.	3.	3.	2.	1.	1.	1.	20.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		1.	1.	1.	1.	34.	57.	57.	57.	24.	1.	1.	1.	236.
FLOW, UPSTREAM		37.	47.	56.	120.	1422.	816.	125.	54.	48.	48.	45.	45.	2663.
FLOW, DOWNSTREAM		36.	46.	55.	119.	1388.	759.	68.	0.	24.	47.	44.	44.	2630.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	3.
DEFICIENCY (FISH)		114	104	95	31	0.	0.	82	150	126	193	106	106	1107
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	54.	90.	90.	90.	36.	0.	0.	0.	360.
DEMAND, DOMESTIC		6.	4.	6.	7.	11.	14.	18.	18.	9.	8.	6.	6.	113.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		6.	4.	6.	7.	65.	104.	108.	108.	45.	8.	6.	6.	473.
FLOW, UPSTREAM		43.	54.	65.	148.	1554.	835.	92.	7.	31.	54.	51.	51.	2985.
FLOW, DOWNSTREAM		37.	50.	59.	141.	1489.	731.	0.	0.	0.	46.	45.	45.	2643.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	16.	101.	14.	0.	0.	0.	131.
DEFICIENCY (FISH)		113	100	91	9	0.	0.	150.	150.	150	194	105	105	1167
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	4108.	6846.	6846.	6846.	2739.	0.	0.	0.	27385.
DEMAND, DOMESTIC		937.	747.	937.	1124.	1873.	2434.	2997.	2997.	1499.	1311.	937.	937.	18730.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		937.	747.	937.	1124.	5981.	9280.	9843.	9843.	4238.	1311.	937.	937.	46115.
DEMAND, DEFICIENCY		95.	141.	177.	205.	322.	486.	631.	727.	1919.	438.	254.	254.	5649.

VERNON CR. DRY YR. (2020) LOW GROWTH Figure A.96

Date of Print-out:
Dec. 7, 1972

FLOWS IN AC. FT.

LOCATION	AREA IN K.AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR	
CPDA 1	8.8	83.	104.	134.	235.	2657.	1392.	253.	108.	104.	104.	104.	104.	5384.	
CPDA 2	15.3	143.	184.	234.	407.	4707.	2478.	443.	190.	184.	184.	184.	184.	9824.	
MPDA 1	20.3	184.	231.	295.	533.	5805.	3025.	565.	236.	229.	229.	229.	229.	11782.	
MPDA 2	28.1	225.	281.	358.	679.	6887.	3584.	700.	281.	274.	274.	274.	274.	14082.	
MPDA 3	26.7	225.	281.	358.	682.	6995.	3558.	702.	282.	275.	275.	275.	275.	14082.	
MPDA 4	37.3	233.	290.	368.	720.	7021.	3612.	734.	288.	281.	281.	281.	281.	14386.	
MPDA 5	49.6	255.	318.	400.	821.	7513.	3835.	820.	318.	303.	303.	303.	303.	15481.	
CPDA 3	6.0	58.	75.	93.	157.	1976.	1062.	177.	80.	75.	75.	75.	75.	3980.	
MPDA 6	6.0	52.	53.	78.	168.	1263.	595.	156.	53.	53.	53.	53.	53.	2629.	
MPDA 7	13.6	121.	141.	189.	366.	3537.	1799.	378.	145.	140.	140.	140.	140.	7238.	
MPDA 8	14.0	124.	144.	193.	377.	3587.	1821.	379.	147.	143.	143.	143.	143.	7340.	VERNON
CPDA 4	2.9	26.	37.	47.	76.	937.	494.	86.	38.	37.	37.	37.	37.	1892.	CREEK
MPDA 9	6.0	52.	66.	84.	151.	1613.	833.	159.	64.	65.	65.	65.	65.	3285.	
MPDA 10	49.2	215.	262.	328.	814.	5514.	2648.	732.	234.	233.	233.	233.	233.	11680.	
CPDA 5	142.7	647.	786.	994.	2243.	17732.	8809.	2128.	746.	728.	728.	728.	728.	36991.	
CPDA 8	1.2	6.	7.	9.	27.	146.	62.	22.	6.	6.	6.	6.	6.	305.	
MPDA 13	13.2	71.	90.	107.	252.	2447.	1351.	246.	96.	86.	86.	83.	83.	4999.	
MPDA 14	17.4	84.	107.	127.	311.	2755.	1492.	296.	118.	100.	100.	96.	96.	5673.	
MPDA 15	20.2	88.	112.	132.	330.	2833.	1526.	311.	113.	103.	103.	100.	100.	5851.	
CPDA 9	29.7	187.	134.	158.	487.	3248.	1714.	378.	131.	121.	121.	117.	117.	6746.	
MPDA 16	32.8	109.	137.	161.	420.	3282.	1732.	389.	133.	123.	123.	120.	120.	6849.	
MPDA 17	187.3	760.	939.	1172.	2725.	21250.	10644.	2568.	884.	862.	862.	859.	859.	44392.	MP 17 = TOTAL OF NATURAL FLOWS YIELDED BY VERNON CR. & EXCLUDING DUTEAU CR DIVERSION
CPDA 6	13.0	110.	131.	164.	383.	4871.	2986.	356.	170.	147.	147.	131.	131.	9637.	
CPDA 7	23.5	201.	234.	308.	681.	7847.	4897.	635.	288.	254.	254.	234.	234.	15497.	DUTEAU
MPDA 11	4.5	41.	46.	64.	124.	1125.	557.	123.	46.	46.	46.	46.	46.	2310.	CREEK
MPDA 12	41.7	347.	398.	528.	1080.	11599.	6385.	1083.	435.	409.	409.	388.	388.	23437.	MP 12 = TOTAL OF NATURAL FLOWS YIELDED BY DUTEAU CR. AT POINT OF DIVERSION (HEADGATES)
	229.0	1116.	1331.	1700.	3505.	32840.	17029.	3682.	1319.	1272.	1272.	1247.	1247.	67828.	MP 17 + MP 12 = SUM OF NATURAL FLOWS YIELDED BY VERNON CR. + DUTEAU CR. AT HEADGATES (EQUIVALENT TO THEORETICAL TOTAL NATURAL YIELD OF DOUBLE BASIN)

3535.31

3535.32

VERNON CR. AVERAGE YEAR (NATURAL FLOW)

Figure A.97

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2200.	2200.	2200.	2435.	2445.	2449.	2372.	2274.	2200.	2200.	2200.	2200.	
CONTROL POINT	2													
STORAGE		5751.	5751.	5751.	5923.	7972.	9059.	7855.	6257.	5751.	5751.	5751.	5751.	
CONTROL POINT	3													
STORAGE		2993.	2993.	2993.	3150.	4988.	4988.	4340.	3641.	2993.	2993.	2993.	2993.	
CONTROL POINT	4													
STORAGE		626.	626.	626.	702.	1253.	1253.	1046.	840.	626.	626.	626.	626.	
CONTROL POINT	5													
STORAGE		10464.	10464.	10464.	11772.	13080.	13080.	12164.	11380.	10464.	10464.	10464.	10464.	
CONTROL POINT	6													
STORAGE		3616.	3616.	3616.	3939.	8816.	9048.	7232.	4486.	3247.	3396.	3825.	3616.	
CONTROL POINT	7													
STORAGE		204.	204.	204.	482.	2037.	2037.	871.	0.	0.	187.	296.	204.	
CONTROL POINT	8													
STORAGE		15.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	9													
STORAGE		1476.	1476.	1476.	1722.	2460.	2460.	2148.	1796.	1476.	1476.	1476.	1476.	
CONTROL POINT	6													
STORAGE		487.	811.	1136.	1540.	1623.	1461.	1136.	811.	487.	487.	487.	487.	
MEASURING POINT	3													
FLOW		280.	268.	342.	234.	3648.	504.	2.	0.	57.	251.	258.	258.	6888.
DEFICIENCY (FISH)		272.	212.	138.	228.	0.	0.	478.	480.	423.	349.	222.	222.	3022.
MEASURING POINT	4													
FLOW		216.	277.	351.	292.	3774.	958.	34.	6.	63.	287.	266.	266.	6396.
DEFICIENCY (FISH)		264.	203.	129.	188.	0.	0.	446.	474.	417.	343.	216.	216.	2896.
MEASURING POINT	5													
FLOW		239.	305.	383.	393.	4265.	781.	120.	28.	88.	279.	286.	286.	7550.
DEFICIENCY (FISH)		241.	175.	97.	87.	0.	0.	380.	462.	395.	321.	194.	194.	2516.
MEASURING POINT	8													
FLOW		122.	143.	190.	216.	1383.	1114.	318.	137.	906.	140.	140.	140.	4520.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		219.	262.	328.	736.	4029.	2424.	721.	289.	386.	233.	233.	233.	10776.
DEFICIENCY (FISH)		145.	98.	32.	0.	0.	0.	0.	151.	4.	247.	127.	127.	931.
MEASURING POINT	16													
FLOW		78.	99.	119.	266.	2583.	1378.	219.	49.	71.	93.	89.	89.	5147.
DEFICIENCY (FISH)		72.	51.	32.	0.	0.	0.	0.	101.	79.	147.	81.	81.	804.
MEASURING POINT	16													
FLOW		103.	129.	152.	146.	2309.	1511.	827.	364.	373.	117.	113.	113.	9087.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	17													
FLOW		699.	856.	1069.	384.	12489.	8921.	2209.	1823.	2849.	725.	758.	786.	29968.
DEFICIENCY (FISH)		0.	0.	0.	96.	0.	0.	0.	0.	0.	0.	0.	0.	96.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	899.	1499.	1499.	1499.	686.	0.	0.	0.	5583.
DEMAND, DOMESTIC		16.	13.	16.	20.	33.	42.	52.	52.	26.	23.	16.	16.	325.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		16.	13.	16.	20.	932.	1541.	1551.	1551.	686.	23.	16.	16.	6381.
FLOW, UPSTREAM		164.	231.	295.	126.	3745.	1939.	1802.	1932.	880.	229.	229.	229.	11789.
FLOW, DOWNSTREAM		148.	218.	279.	106.	2813.	398.	291.	381.	182.	206.	213.	213.	5448.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	258.	426.	426.	426.	178.	0.	0.	0.	1703.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	258.	426.	426.	426.	178.	0.	0.	0.	1703.
FLOW, UPSTREAM		208.	267.	341.	252.	3695.	927.	426.	426.	227.	251.	258.	258.	7735.
FLOW, DOWNSTREAM		208.	267.	341.	252.	3649.	501.	0.	0.	57.	251.	258.	258.	6033.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	622.	703.	703.	703.	281.	0.	0.	0.	2812.
DEMAND, DOMESTIC		2.	1.	2.	2.	3.	4.	8.	9.	3.	2.	2.	2.	33.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		2.	1.	2.	2.	625.	707.	708.	708.	284.	2.	2.	2.	2845.
FLOW, UPSTREAM		122.	141.	189.	208.	1726.	1798.	1018.	863.	788.	149.	148.	148.	7257.
FLOW, DOWNSTREAM		120.	140.	187.	206.	1383.	1092.	310.	135.	584.	138.	138.	138.	4612.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	135.	229.	225.	225.	99.	0.	0.	0.	908.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	135.	229.	225.	225.	99.	0.	0.	0.	908.
FLOW, UPSTREAM		52.	66.	84.	78.	1063.	833.	373.	286.	278.	88.	88.	88.	3200.
FLOW, DOWNSTREAM		52.	66.	84.	78.	928.	600.	148.	61.	188.	65.	65.	65.	2380.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		308.	294.	274.	290	0.	0.	212.	519.	172.	418.	286.	295.	2878.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	192.	321.	321.	321.	128.	0.	0.	0.	1283.
DEMAND, DOMESTIC		75.	60.	75.	90.	151.	196.	241.	241.	120.	105.	75.	75.	1304.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		75.	60.	75.	90.	343.	517.	562.	562.	248.	105.	75.	75.	2787.
DEMAND, TOTAL		75.	60.	75.	90.	343.	517.	562.	562.	248.	105.	75.	75.	2787.
FLOW, UPSTREAM		628.	772.	975.	266.	10257.	4826.	2272.	1219.	1914.	702.	709.	784.	25237.
FLOW, DOWNSTREAM		553.	718.	980.	176.	9914.	4367.	1710.	648.	1660.	597.	634.	634.	22656.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	304	0.	0.	0.	0.	0.	3.	0.	0.	307.
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	2319.	3899.	3899.	3899.	1593.	0.	0.	0.	15609.
DEMAND, DOMESTIC		62.	50.	62.	75.	124.	162.	199.	199.	99.	87.	62.	62.	1243.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		62.	50.	62.	75.	2439.	4021.	4058.	4058.	1642.	87.	62.	62.	16852.
FLOW, UPSTREAM		633.	699.	669.	479.	7867.	8681.	4383.	4383.	1967.	223.	259.	348.	30821.
FLOW, DOWNSTREAM		571.	359.	607.	404.	5368.	4430.	325.	325.	329.	136.	287.	480.	13537.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	7													
DEMAND, IRRIGATION		0.	0.	0.	0.	27.	45.	45.	45.	18.	0.	0.	0.	180.
DEMAND, DOMESTIC		74.	59.	74.	98.	147.	192.	236.	236.	118.	103.	74.	74.	1479.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		74.	59.	74.	98.	174.	237.	281.	281.	136.	103.	74.	74.	1658.
FLOW, UPSTREAM		74.	22.	9.	27.	148.	62.	22.	6.	6.	6.	6.	6.	386.
FLOW, DOWNSTREAM		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DEFICIENCY		0.	37.	65.	61.	26.	175.	259.	275.	136.	97.	68.	68.	1269.
DEFICIENCY (FISH)		150.	180.	180.	180.	240.	180.	180.	180.	180.	240.	180.	150.	1920.
USE POINT	8													
DEMAND, IRRIGATION		0.	0.	0.	0.	32.	54.	54.	54.	22.	0.	0.	0.	216.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	32.	54.	54.	54.	22.	0.	0.	0.	216.
FLOW, UPSTREAM		66.	83.	98.	225.	2387.	1269.	234.	98.	88.	78.	78.	78.	4693.
FLOW, DOWNSTREAM		66.	83.	98.	225.	2275.	1235.	178.	36.	88.	78.	78.	78.	4477.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		88.	67.	82.	0.	0.	0.	0.	114.	82.	160.	76.	76.	745.
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	63.	108.	108.	108.	42.	0.	0.	0.	420.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	63.	108.	108.	108.	42.	0.	0.	0.	420.
FLOW, UPSTREAM		88.	104.	123.	302.	2681.	1688.	234.	33.	78.	87.	93.	93.	5526.
FLOW, DOWNSTREAM		88.	104.	123.	302.	2598.	1304.	126.	0.	33.	87.	93.	93.	4953.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		68.	46.	27.	0.	0.	0.	0.	180.	117.	148.	87.	87.	660.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	6348.	7237.	7237.	7237.	2884.	0.	0.	0.	30943.
DEMAND, DOMESTIC		229.	183.	229.	275.	458.	596.	733.	733.	366.	328.	229.	229.	4590.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		229.	183.	229.	275.	6806.	7833.	7970.	7970.	3250.	328.	229.	229.	35533.
DEMAND, DEFICIENCY		0.	37.	65.	61.	34.	175.	259.	327.	136.	97.	68.	68.	1321.

VERNON CR. AVERAGE YEAR (1970) Figure A.98

NOTE: Hiram Walker discharge 380 cu.ft./sec. at MP 3.
Water pumped from Okanagan Lake, commencing June 1971.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

Date of Print - Oct. 9, 1973

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2198.	2196.	2196.	2431.	2440.	2440.	2367.	2269.	2196.	2196.	2196.	2195.	
CONTROL POINT	2													
STORAGE		5751.	5751.	5751.	5898.	7947.	8902.	6981.	4585.	3853.	3936.	4016.	4096.	
CONTROL POINT	3													
STORAGE		3033.	3033.	3033.	3190.	5055.	5055.	4398.	3690.	3033.	3033.	3033.	3033.	
CONTROL POINT	4													
STORAGE		626.	626.	626.	702.	1253.	1253.	1040.	796.	626.	624.	626.	626.	
CONTROL POINT	5													
STORAGE		20000.	20000.	20000.	21397.	25000.	25000.	23250.	21750.	20000.	20000.	20000.	20000.	
CONTROL POINT	6													
STORAGE		3616.	3616.	3616.	4007.	8394.	5638.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		66.	69.	79.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	9													
STORAGE		1476.	1476.	1476.	1722.	2460.	2460.	2140.	1796.	1476.	1476.	1476.	1475.	
CONTROL POINT	G													
STORAGE		750.	750.	782.	782.	782.	782.	782.	782.	750.	750.	750.	750.	
CONTROL POINT	GS													
STORAGE		1500.	1500.	1500.	1684.	3000.	3000.	587.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		626.	714.	760.	669.	3767.	563.	562.	560.	560.	560.	596.	596.	10533.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	40.	0.	0.	40.
MEASURING POINT	6													
FLOW		634.	723.	769.	707.	3893.	617.	594.	566.	566.	566.	602.	602.	10839.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	34.	0.	0.	34.
MEASURING POINT	5													
FLOW		657.	751.	801.	808.	4384.	840.	680.	588.	588.	588.	624.	624.	11933.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	12.	0.	0.	12.
MEASURING POINT	8													
FLOW		85.	113.	153.	171.	1423.	1303.	494.	314.	570.	87.	103.	103.	4919.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		167.	224.	280.	677.	4774.	2367.	636.	168.	263.	168.	183.	185.	10092.
DEFICIENCY (FISH)		193.	136.	80.	0.	0.	0.	0.	192.	97.	312.	177.	175.	1362.
MEASURING POINT	14													
FLOW		76.	98.	116.	262.	2544.	1311.	154.	13.	45.	91.	87.	87.	4904.
DEFICIENCY (FISH)		74.	52.	34.	0.	0.	0.	0.	137.	105.	149.	63.	63.	677.
MEASURING POINT	16													
FLOW		93.	121.	142.	134.	2181.	1305.	398.	364.	340.	103.	103.	103.	5387.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	17													
FLOW		660.	959.	1059.	195.	9424.	4910.	2449.	1237.	2738.	435.	666.	668.	25402.
DEFICIENCY (FISH)		0.	0.	0.	284.	0.	0.	0.	0.	0.	165.	0.	0.	449.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	907.	1512.	1512.	1512.	605.	0.	0.	0.	6048.
DEMAND, DOMESTIC		126.	101.	126.	151.	252.	328.	403.	403.	202.	176.	126.	125.	2520.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		126.	101.	126.	151.	1159.	1840.	1915.	1915.	807.	176.	126.	125.	8568.
FLOW, UPSTREAM		184.	231.	295.	151.	3746.	2071.	2559.	2649.	1085.	176.	149.	149.	13445.
FLOW, DOWNSTREAM		58.	130.	169.	0.	2587.	231.	644.	734.	278.	0.	23.	23.	4877.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	406.	676.	676.	676.	271.	0.	0.	0.	2705.
DEMAND, DOMESTIC		32.	26.	32.	39.	64.	84.	103.	103.	52.	45.	32.	32.	644.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		32.	26.	32.	39.	470.	760.	779.	779.	323.	45.	32.	32.	3349.
FLOW, UPSTREAM		98.	179.	231.	146.	3669.	760.	779.	779.	323.	45.	68.	68.	7145.
FLOW, DOWNSTREAM		66.	153.	199.	107.	3199.	0.	0.	0.	0.	0.	36.	35.	3796.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	250.	416.	416.	416.	166.	0.	0.	0.	1664.
DEMAND, DOMESTIC		39.	31.	39.	47.	78.	102.	125.	125.	63.	55.	39.	39.	782.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		39.	31.	39.	47.	328.	518.	541.	541.	229.	55.	39.	39.	2446.
FLOW, UPSTREAM		122.	141.	189.	206.	1701.	1799.	1027.	853.	797.	140.	140.	140.	7257.
FLOW, DOWNSTREAM		83.	110.	150.	161.	1373.	1281.	486.	312.	568.	85.	101.	101.	4811.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	95.	158.	158.	158.	63.	0.	0.	0.	632.
DEMAND, DOMESTIC		48.	38.	48.	57.	95.	124.	192.	192.	96.	87.	48.	48.	993.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		48.	38.	48.	57.	190.	282.	310.	310.	139.	87.	48.	48.	1585.
FLOW, UPSTREAM		52.	66.	84.	70.	1063.	833.	373.	310.	234.	67.	63.	65.	3280.
FLOW, DOWNSTREAM		4.	28.	36.	13.	873.	551.	63.	0.	95.	0.	15.	17.	1695.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		356.	332.	324.	347.	0.	0.	297.	360.	265.	480.	345.	343.	3449.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	271.	451.	451.	451.	180.	0.	0.	0.	1804.
DEMAND, DOMESTIC		408.	327.	408.	490.	817.	1062.	1307.	1307.	654.	572.	408.	408.	8159.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		408.	327.	408.	490.	1088.	1513.	1758.	1758.	834.	572.	408.	408.	9972.
FLOW, UPSTREAM		962.	1150.	1308.	490.	8095.	5015.	3757.	2620.	3228.	893.	960.	962.	29431.
FLOW, DOWNSTREAM		554.	823.	900.	0.	7007.	3502.	1999.	862.	2388.	321.	552.	554.	19462.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	480.	0.	0.	0.	0.	0.	279.	0.	0.	759.
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	4548.	7580.	7580.	7580.	3032.	0.	0.	0.	30320.
DEMAND, DOMESTIC		485.	388.	485.	582.	970.	1260.	1551.	1551.	776.	679.	485.	485.	9697.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		485.	388.	485.	582.	5518.	8840.	9131.	9131.	3808.	679.	485.	485.	40017.
FLOW, UPSTREAM		485.	388.	517.	582.	5518.	8840.	9131.	1018.	438.	405.	388.	388.	28099.
FLOW, DOWNSTREAM		0.	0.	32.	0.	0.	0.	0.	0.	0.	0.	0.	0.	32.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	8113.	3370.	273.	97.	97.	11950.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	7													
DEMAND, IRRIGATION		0.	0.	0.	0.	54.	90.	90.	90.	36.	0.	0.	0.	360.
DEMAND, DOMESTIC		252.	201.	252.	302.	503.	654.	806.	806.	403.	352.	252.	252.	5035.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		252.	201.	252.	302.	557.	744.	896.	896.	439.	352.	252.	252.	5395.
FLOW, UPSTREAM		89.	7.	9.	27.	140.	62.	22.	6.	6.	6.	6.	6.	386.
FLOW, DOWNSTREAM		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DEFICIENCY		163.	194.	243.	275.	417.	682.	874.	890.	433.	346.	246.	246.	5009.
DEFICIENCY (FISH)		150.	150.	150.	150.	240.	150.	150.	150.	150.	240.	150.	150.	1980.
USE POINT	8													
DEMAND, IRRIGATION		0.	0.	0.	0.	68.	113.	113.	113.	45.	0.	0.	0.	452.
DEMAND, DOMESTIC		2.	1.	2.	2.	3.	5.	6.	6.	3.	2.	2.	2.	36.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		2.	1.	2.	2.	71.	118.	119.	119.	48.	2.	2.	2.	488.
FLOW, UPSTREAM		65.	83.	95.	225.	2307.	1289.	224.	90.	80.	80.	76.	76.	4593.
FLOW, DOWNSTREAM		63.	82.	93.	223.	2236.	1171.	105.	0.	32.	78.	74.	74.	4234.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	29.	0.	0.	0.	0.	29.
DEFICIENCY (FISH)		87.	68.	54.	0.	0.	0.	45.	150.	118.	162.	76.	76.	836.
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	135.	225.	225.	225.	90.	0.	0.	0.	900.
DEMAND, DOMESTIC		8.	7.	8.	10.	17.	22.	27.	27.	13.	12.	8.	8.	167.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		8.	7.	8.	10.	152.	247.	252.	252.	103.	12.	8.	8.	1067.
FLOW, UPSTREAM		80.	103.	121.	300.	2622.	1345.	169.	17.	49.	95.	91.	91.	5083.
FLOW, DOWNSTREAM		72.	96.	113.	290.	2470.	1096.	0.	0.	0.	83.	83.	83.	4386.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	83.	235.	54.	0.	0.	0.	372.
DEFICIENCY (FISH)		78.	54.	37.	0.	0.	0.	150.	150.	150.	157.	67.	67.	910.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	6736.	11221.	11221.	11221.	4488.	0.	0.	0.	44888.
DEMAND, DOMESTIC		1400.	1120.	1400.	1680.	2799.	3641.	4480.	4480.	2242.	1960.	1400.	1400.	28002.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		1400.	1120.	1400.	1680.	9533.	14862.	15701.	15701.	6730.	1960.	1400.	1400.	72887.
DEMAND, DEFICIENCY		163.	194.	243.	275.	417.	682.	957.	9267.	3857.	619.	943.	943.	17389.

VERNON CR. AVG. YR. (2020) HIGH GROWTH Figure A.99

NOTE: Hiram Walker discharge 560 ac.ft./mo. at MP 3.
Water pumped from Okanagan Lake, commencing June 1971.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2196.	2196.	2196.	2431.	2440.	2440.	2367.	2269.	2196.	2195.	2196.	2196.	
CONTROL POINT	2													
STORAGE		5751.	5751.	5751.	5923.	7972.	9059.	7357.	5261.	4576.	4656.	4736.	4815.	
CONTROL POINT	3													
STORAGE		3033.	3033.	3033.	3190.	5055.	5055.	4398.	3690.	3033.	3033.	3033.	3033.	
CONTROL POINT	4													
STORAGE		626.	626.	626.	702.	1253.	1253.	1040.	754.	626.	626.	626.	626.	
CONTROL POINT	5													
STORAGE		20000.	20000.	20000.	21502.	25000.	25000.	23250.	21750.	20000.	20000.	20000.	20000.	
CONTROL POINT	6													
STORAGE		3616.	3616.	3616.	4008.	9040.	8046.	2060.	0.	0.	0.	0.	0.	
CONTROL POINT	7													
STORAGE		146.	153.	163.	179.	345.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	9													
STORAGE		1476.	1476.	1476.	1722.	2460.	2460.	2140.	1796.	1476.	1475.	1476.	1476.	
CONTROL POINT	6													
STORAGE		750.	810.	922.	922.	998.	998.	998.	998.	750.	750.	750.	750.	
CONTROL POINT	6S													
STORAGE		1500.	1500.	1500.	1684.	3000.	3000.	2400.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		682.	736.	786.	676.	3900.	635.	562.	560.	560.	570.	622.	622.	10881.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	30.	0.	0.	30.
MEASURING POINT	4													
FLOW		660.	745.	795.	714.	4026.	689.	594.	555.	566.	576.	628.	628.	11187.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	24.	0.	0.	24.
MEASURING POINT	5													
FLOW		683.	773.	827.	815.	4517.	912.	680.	588.	588.	598.	650.	650.	12281.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	2.
MEASURING POINT	8													
FLOW		91.	118.	159.	179.	1289.	1074.	268.	86.	482.	96.	109.	109.	4062.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		175.	230.	288.	686.	4750.	2321.	596.	168.	207.	175.	193.	193.	9983.
DEFICIENCY (FISH)		185.	130.	72.	0.	0.	0.	0.	192.	153.	302.	167.	167.	1368.
MEASURING POINT	14													
FLOW		77.	98.	117.	283.	2572.	1358.	201.	31.	64.	91.	88.	88.	5068.
DEFICIENCY (FISH)		73.	52.	33.	0.	0.	0.	0.	119.	86.	149.	62.	62.	636.
MEASURING POINT	16													
FLOW		95.	122.	144.	137.	2266.	1446.	457.	364.	343.	105.	105.	105.	5689.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	17													
FLOW		769.	1047.	1188.	199.	9799.	5148.	2581.	1352.	2755.	561.	777.	777.	26938.
DEFICIENCY (FISH)		0.	0.	0.	281.	0.	0.	0.	0.	0.	39.	0.	0.	320.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	907.	1512.	1512.	1512.	605.	0.	0.	0.	6048.
DEMAND, DOMESTIC		105.	84.	105.	126.	210.	273.	336.	336.	168.	147.	105.	105.	2100.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		105.	84.	105.	126.	1117.	1785.	1848.	1848.	773.	147.	105.	105.	8148.
FLOW, UPSTREAM		184.	231.	295.	126.	3746.	1939.	2360.	2430.	987.	149.	149.	149.	12725.
FLOW, DOWNSTREAM		79.	147.	190.	0.	2629.	154.	492.	582.	214.	2.	44.	44.	6577.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	325.	541.	541.	541.	216.	0.	0.	0.	2164.
DEMAND, DOMESTIC		27.	21.	27.	32.	54.	70.	86.	86.	43.	37.	27.	27.	537.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		27.	21.	27.	32.	379.	611.	627.	627.	259.	37.	27.	27.	2701.
FLOW, UPSTREAM		119.	196.	252.	146.	3711.	683.	627.	627.	259.	47.	89.	89.	6845.
FLOW, DOWNSTREAM		92.	175.	225.	114.	3332.	72.	0.	0.	0.	10.	62.	62.	4144.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	397.	662.	662.	662.	265.	0.	0.	0.	2648.
DEMAND, DOMESTIC		33.	26.	33.	39.	65.	85.	105.	105.	52.	46.	33.	33.	655.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		33.	26.	33.	39.	462.	747.	767.	767.	317.	46.	33.	33.	3303.
FLOW, UPSTREAM		122.	141.	189.	208.	1701.	1799.	1027.	853.	797.	140.	140.	140.	7257.
FLOW, DOWNSTREAM		89.	115.	156.	169.	1239.	1052.	260.	86.	480.	94.	107.	107.	3954.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	135.	225.	225.	225.	90.	0.	0.	0.	900.
DEMAND, DOMESTIC		80.	32.	40.	48.	79.	103.	127.	127.	63.	39.	40.	40.	798.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		80.	-32.	40.	48.	214.	328.	352.	352.	153.	39.	40.	40.	1698.
FLOW, UPSTREAM		32.	66.	84.	70.	1063.	833.	373.	352.	192.	65.	65.	65.	3280.
FLOW, DOWNSTREAM		12.	36.	44.	22.	869.	505.	21.	0.	39.	10.	25.	25.	1585.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		348.	338.	316.	338.	0.	0.	339.	360.	321.	470.	335.	335.	3488.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	196.	327.	327.	327.	131.	0.	0.	0.	1308.
DEMAND, DOMESTIC		341.	273.	341.	409.	682.	886.	1090.	1090.	545.	477.	341.	341.	6815.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		341.	273.	341.	409.	878.	1213.	1417.	1417.	676.	477.	341.	341.	8123.
FLOW, UPSTREAM		1002.	1183.	1348.	409.	8175.	4812.	3489.	2394.	3078.	922.	1002.	1002.	28815.
FLOW, DOWNSTREAM		661.	910.	1007.	0.	7297.	3599.	2072.	977.	2402.	445.	661.	661.	20692.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	480.	0.	0.	0.	0.	0.	155.	0.	0.	635.
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	3621.	6369.	6369.	6369.	2547.	0.	0.	0.	25475.
DEMAND, DOMESTIC		405.	324.	405.	486.	810.	1054.	1297.	1297.	648.	567.	405.	405.	8103.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		405.	324.	405.	486.	4431.	7423.	7666.	7666.	3195.	567.	405.	405.	33578.
FLOW, UPSTREAM		405.	386.	517.	486.	4707.	7423.	7666.	4891.	654.	405.	388.	388.	28315.
FLOW, DOWNSTREAM		0.	62.	112.	0.	76.	0.	0.	0.	0.	0.	0.	0.	248.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	2775.	2541.	161.	17.	17.	5511.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	7													
DEMAND, IRRIGATION		0.	0.	0.	0.	41.	68.	68.	68.	27.	0.	0.	0.	272.
DEMAND, DOMESTIC		210.	168.	210.	252.	420.	546.	672.	672.	336.	294.	210.	210.	4200.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		210.	168.	210.	252.	461.	614.	740.	740.	363.	294.	210.	210.	4472.
FLOW, UPSTREAM		99.	7.	9.	27.	140.	62.	22.	6.	6.	8.	8.	8.	386.
FLOW, DOWNSTREAM		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DEFICIENCY		121.	161.	201.	225.	321.	552.	718.	734.	357.	288.	206.	204.	4086.
DEFICIENCY (FISH)		150.	150.	150.	150.	240.	150.	150.	150.	150.	240.	150.	150.	1980.
USE POINT	8													
DEMAND, IRRIGATION		0.	0.	0.	0.	41.	68.	68.	68.	27.	0.	0.	0.	272.
DEMAND, DOMESTIC		1.	1.	1.	1.	2.	3.	4.	4.	2.	1.	1.	1.	23.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		1.	1.	1.	1.	43.	71.	72.	72.	29.	2.	1.	1.	295.
FLOW, UPSTREAM		65.	83.	98.	225.	2307.	1289.	224.	90.	80.	80.	76.	75.	4593.
FLOW, DOWNSTREAM		64.	82.	97.	224.	2264.	1218.	152.	18.	51.	78.	75.	75.	4398.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		86.	68.	53.	0.	0.	0.	0.	132.	99.	182.	75.	75.	780.
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	81.	135.	135.	135.	54.	0.	0.	0.	540.
DEMAND, DOMESTIC		7.	6.	7.	8.	14.	18.	22.	22.	11.	10.	7.	7.	139.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		7.	6.	7.	8.	95.	153.	157.	157.	65.	10.	7.	7.	679.
FLOW, UPSTREAM		81.	103.	122.	301.	2650.	1392.	216.	35.	68.	95.	92.	92.	5247.
FLOW, DOWNSTREAM		76.	97.	115.	293.	2555.	1239.	59.	0.	3.	85.	85.	85.	4590.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	122.	0.	0.	0.	0.	122.
DEFICIENCY (FISH)		76.	83.	38.	0.	0.	0.	91.	150.	147.	155.	65.	65.	857.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	3944.	9907.	9907.	9907.	3962.	0.	0.	0.	37627.
DEMAND, DOMESTIC		1169.	935.	1169.	1401.	2336.	3038.	3739.	3739.	1868.	1635.	1169.	1169.	23367.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		1169.	935.	1169.	1401.	6280.	12946.	13646.	13646.	5830.	1635.	1169.	1169.	62994.
DEMAND, DEFICIENCY		121.	181.	201.	225.	321.	552.	718.	3531.	2878.	445.	221.	221.	9719.

VERNON CR. AVG. YR. (2020) MED. GROWTH Figure A.100

NOTE: Hiram Walker discharge 560 ac.ft/mo. at MP 3.
Water pumped from Okanagan Lake, commencing June 1971.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

Date of Print-out: Feb. 16, 1973

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT 1													
STORAGE	2196.	2196.	2196.	2431.	2440.	2440.	2367.	2269.	2196.	2196.	2196.	2196.	
CONTROL POINT 2													
STORAGE	5751.	5751.	5751.	5923.	7972.	9059.	7737.	6021.	5496.	5576.	5656.	5736.	
CONTROL POINT 3													
STORAGE	3033.	3033.	3033.	3190.	5055.	5055.	4398.	3690.	3033.	3033.	3033.	3033.	
CONTROL POINT 4													
STORAGE	626.	626.	626.	702.	1253.	1253.	1040.	790.	626.	626.	626.	626.	
CONTROL POINT 5													
STORAGE	20000.	20000.	20000.	21631.	25000.	25000.	23250.	21750.	20000.	20000.	20000.	20000.	
CONTROL POINT 6													
STORAGE	3616.	3616.	3616.	4008.	9040.	9040.	6389.	2468.	1304.	1275.	1352.	1429.	
CONTROL POINT 7													
STORAGE	204.	204.	204.	227.	393.	471.	0.	0.	0.	0.	0.	0.	
CONTROL POINT 8													
STORAGE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT 9													
STORAGE	1476.	1476.	1476.	1722.	2460.	2460.	2140.	1796.	1476.	1476.	1476.	1476.	
CONTROL POINT 6													
STORAGE	750.	893.	1109.	1215.	2500.	2250.	1750.	1250.	750.	750.	750.	750.	
CONTROL POINT 6S													
STORAGE	1500.	1500.	1500.	1684.	3000.	3000.	2400.	1950.	1500.	1500.	1500.	1500.	
MEASURING POINT 3													
FLOW	678.	757.	812.	7071	4130.	1000.	562.	560.	560.	606.	648.	648.	11668.
DEFICIENCY (FISH)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MEASURING POINT 4													
FLOW	686.	766.	821.	745.	4256.	1054.	594.	566.	566.	612.	654.	654.	11974.
DEFICIENCY (FISH)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MEASURING POINT 5													
FLOW	709.	796.	853.	846.	4747.	1277.	680.	588.	588.	634.	676.	676.	13068.
DEFICIENCY (FISH)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0
MEASURING POINT 8													
FLOW	98.	123.	166.	186.	1328.	1136.	334.	154.	510.	105.	116.	116.	4372.
DEFICIENCY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT 10													
FLOW	183.	237.	296.	696.	4771.	2352.	630.	168.	259.	188.	201.	201.	10162.
DEFICIENCY (FISH)	177	123	64	0.	0.	0.	0.	192	101	292	159	159	1267
MEASURING POINT 14													
FLOW	77.	95.	117.	283.	2581.	1372.	216.	46.	69.	92.	88.	88.	5127.
DEFICIENCY (FISH)	73	52	33	0.	0.	0.	0.	104	81	148	62	62	615
MEASURING POINT 16													
FLOW	96.	124.	145.	138.	2305.	1509.	521.	384.	368.	108.	106.	106.	5890.
DEFICIENCY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT 17													
FLOW	878.	1136.	1277.	200.	10431.	5909.	3026.	1697.	2993.	713.	886.	886.	30033.
DEFICIENCY (FISH)	0.	0.	0.	280	0.	0.	0.	0.	0.	0.	0.	0.	280
USE POINT 1													
DEMAND, IRRIGATION	0.	0.	0.	0.	817.	1361.	1361.	1361.	544.	0.	0.	0.	5444.
DEMAND, DOMESTIC	86.	67.	84.	101.	169.	219.	270.	270.	135.	118.	84.	84.	1685.
DEMAND, INDUSTRIAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL	86.	67.	84.	101.	986.	1580.	1631.	1631.	679.	118.	84.	84.	7129.
FLOW, UPSTREAM	184.	231	295.	1226.	3760.	1939.	1960.	2050.	827.	149.	149.	149.	11805.
FLOW, DOWNSTREAM	100.	164.	211.	25.	2760.	359.	329.	419.	148.	31.	65.	65.	4676.
DEMAND, DEFICIENCY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT 2													
DEMAND, IRRIGATION	0.	0.	0.	0.	237.	395.	395.	395.	158.	0.	0.	0.	1580.
DEMAND, DOMESTIC	22.	17.	22.	26.	43.	56.	69.	69.	35.	30.	22.	22.	433.
DEMAND, INDUSTRIAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL	22.	17.	22.	26.	280.	451.	464.	464.	193.	30.	22.	22.	2013.
FLOW, UPSTREAM	140.	213.	273.	171.	3842.	888.	466.	464.	193.	75.	110.	110.	6944.
FLOW, DOWNSTREAM	118.	196.	251.	145.	3562.	437.	0.	0.	0.	45.	88.	88.	4931.
DEMAND, DEFICIENCY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT 3													
DEMAND, IRRIGATION	0.	0.	0.	0.	370.	617.	617.	617.	247.	0.	0.	0.	2468.
DEMAND, DOMESTIC	26.	21.	26.	32.	53.	68.	84.	84.	42.	37.	26.	26.	525.
DEMAND, INDUSTRIAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL	26.	21.	26.	32.	423.	685.	701.	701.	289.	37.	26.	26.	2993.
FLOW, UPSTREAM	122.	141.	189.	206.	1701.	1799.	1027.	853.	797.	140.	140.	140.	7257.
FLOW, DOWNSTREAM	96.	120.	163.	176.	1278.	1114.	326.	152.	508.	103.	114.	114.	4264.
DEMAND, DEFICIENCY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT 4													
DEMAND, IRRIGATION	0.	0.	0.	0.	129.	214.	214.	214.	86.	0.	0.	0.	857.
DEMAND, DOMESTIC	32.	25.	32.	38.	64.	83.	102.	102.	51.	45.	32.	32.	638.
DEMAND, INDUSTRIAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL	32.	25.	32.	38.	193.	297.	316.	316.	137.	45.	32.	32.	1495.
FLOW, UPSTREAM	52.	66.	84.	70.	1063.	833.	373.	316.	228.	65.	65.	65.	3280.
FLOW, DOWNSTREAM	20.	41.	52.	32.	870.	536.	57.	0.	91.	20.	33.	33.	1785.
DEMAND, DEFICIENCY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)	340	319	308	328	0.	0.	303	360	269	460	327	327	3341
USE POINT 5													
DEMAND, IRRIGATION	0.	0.	0.	0.	157.	262.	262.	262.	105.	0.	0.	0.	1048.
DEMAND, DOMESTIC	274.	219.	274.	328.	547.	711.	876.	877.	438.	383.	274.	274.	5474.
DEMAND, INDUSTRIAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL	274.	219.	274.	328.	704.	973.	1138.	1138.	543.	383.	274.	274.	6522.
FLOW, UPSTREAM	1043.	1216.	1399.	328.	8594.	5270.	3591.	2460.	3158.	977.	1043.	1043.	30112.
FLOW, DOWNSTREAM	769.	997.	1115.	0.	7890.	4297.	2453.	1322.	2615.	594.	769.	769.	23590.
DEMAND, DEFICIENCY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)	0.	0.	0.	480	0.	0.	0.	0.	0.	6	0.	0.	486
USE POINT 6													
DEMAND, IRRIGATION	0.	0.	0.	0.	2285.	3808.	3808.	3808.	1523.	0.	0.	0.	15232.
DEMAND, DOMESTIC	311.	248.	311.	373.	621.	808.	998.	998.	897.	435.	311.	311.	6214.
DEMAND, INDUSTRIAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL	311.	248.	311.	373.	2906.	4616.	4802.	4802.	2020.	435.	311.	311.	21446.
FLOW, UPSTREAM	383.	391.	527.	479.	5223.	7646.	5302.	5302.	2520.	435.	311.	311.	28830.
FLOW, DOWNSTREAM	72.	143.	216.	106.	2317.	3030.	500.	500.	500.	0.	0.	0.	7384.
DEMAND, DEFICIENCY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT 7													
DEMAND, IRRIGATION	0.	0.	0.	0.	27.	45.	45.	45.	18.	0.	0.	0.	180.
DEMAND, DOMESTIC	181.	145.	181.	218.	363.	472.	581.	581.	290.	254.	181.	181.	3628.
DEMAND, INDUSTRIAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL	181.	145.	181.	218.	390.	517.	626.	626.	308.	254.	181.	181.	3808.
FLOW, UPSTREAM	89.	7.	9.	27.	140.	62.	22.	6.	6.	6.	6.	6.	386.
FLOW, DOWNSTREAM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DEFICIENCY	92.	138.	172.	191.	250.	455.	604.	620.	302.	248.	175.	175.	3422.
DEFICIENCY (FISH)	150	150	150	150	240	150	150	150	150	240	150	150	1980
USE POINT 8													
DEMAND, IRRIGATION	0.	0.	0.	0.	32.	54.	54.	54.	22.	0.	0.	0.	216.
DEMAND, DOMESTIC	1.	1.	1.	1.	2.	3.	3.	3.	2.	1.	1.	1.	20.
DEMAND, INDUSTRIAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL	1.	1.	1.	1.	34.	57.	57.	57.	24.	1.	1.	1.	236.
FLOW, UPSTREAM	65.	83.	98.	225.	2307.	1289.	224.	90.	80.	80.	76.	78.	4693.
FLOW, DOWNSTREAM	64.	82.	97.	224.	2273.	1232.	167.	33.	56.	79.	75.	75.	4657.
DEMAND, DEFICIENCY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)	86	68	53	0.	0.	0.	0.	117	94	161	75	75	729
USE POINT 9													
DEMAND, IRRIGATION	0.	0.	0.	0.	54.	90.	90.	90.	36.	0.	0.	0.	360.
DEMAND, DOMESTIC	6.	4.	6.	7.	11.	14.	18.	18.	9.	8.	6.	6.	113.
DEMAND, INDUSTRIAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL	6.	4.	6.	7.	65.	104.	108.	108.	45.	8.	6.	6.	473.
FLOW, UPSTREAM	81.	103.	122.	301.	2659.	1406.	231.	50.	73.	96.	92.	92.	5306.
FLOW, DOWNSTREAM	75.	99.	116.	294.	2594.	1302.	123.	0.	28.	88.	86.	86.	4891.
DEMAND, DEFICIENCY	0.	0.	0.	0.	0.	0.	0.	58.	0.	0.	0.	0.	58.
DEFICIENCY (FISH)	75	51	34	0.	0.	0.	27	150	122	152	64	64	739
GRAND TOTALS FOR ALL THE USE POINTS:													
DEMAND, IRRIGATION	0.	0.	0.	0.	4108.	6846.	6846.	6846.	2739.	0.	0.	0.	27383.
DEMAND, DOMESTIC	937.	747.	937.	1124.	1873.	2434.	2997.	2997.	1499.	1311.	937.	937.	18730.
DEMAND, INDUSTRIAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL	937.	747.	937.	1124.	5981.	9280.	9843.	9843.	4238.	1311.	937.	937.	46115.
DEMAND, DEFICIENCY	92.	138.	172.	191.	250.	455.	604.	678.	302.	248.	175.	175.	3480.

VERNON CR. AVG. YR. (2020) LOW GROWTH Figure A.101

Date Of Print - out :
Dec. 7, 1972

FLOWS IN AC. FT.

LOCATION	AREA IN K. AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR	
CPDA 1	8.8	148.	185.	238.	420.	4882.	2443.	450.	190.	185.	185.	185.	185.	9493.	
CPDA 2	15.3	258.	324.	414.	724.	8262.	4335.	784.	339.	324.	324.	324.	324.	16732.	
MPDA 1	20.3	331.	414.	530.	969.	10302.	5344.	1018.	419.	409.	409.	409.	409.	20982.	
MPDA 2	28.1	418.	520.	661.	1304.	12504.	6404.	1319.	513.	502.	502.	502.	502.	25650.	
MPDA 3	28.7	421.	524.	665.	1320.	12556.	6426.	1332.	515.	504.	504.	504.	504.	25775.	
MPDA 4	37.3	466.	578.	719.	1547.	13305.	6746.	1523.	552.	541.	541.	541.	541.	27600.	
MPDA 5	49.6	547.	677.	826.	1930.	14870.	7438.	1865.	624.	613.	613.	613.	613.	31210.	
CPDA 3	6.0	101.	131.	163.	276.	3422.	1832.	309.	138.	131.	131.	131.	131.	6897.	
MPDA 6	6.0	99.	100.	149.	320.	2397.	1129.	297.	100.	100.	100.	100.	100.	4989.	
MPDA 7	13.6	222.	257.	346.	677.	6391.	3233.	679.	262.	255.	255.	255.	255.	13087.	
MPDA 8	14.0	227.	262.	353.	698.	6494.	3278.	696.	285.	259.	259.	259.	259.	13318.	VERNON CREEK
CPDA 4	2.9	50.	65.	82.	134.	1636.	861.	150.	66.	65.	65.	65.	65.	3306.	
MPDA 9	5.0	93.	120.	153.	280.	2898.	1487.	292.	118.	117.	117.	117.	117.	5907.	
MPDA 10	49.2	492.	604.	727.	2002.	11834.	5581.	1756.	511.	510.	510.	510.	510.	25547.	
CPDA 5	182.7	1481.	1775.	2182.	5543.	36887.	17923.	5067.	1572.	1983.	1993.	1993.	1993.	78802.	
CPDA 8	1.2	13.	16.	20.	60.	298.	133.	49.	13.	13.	13.	13.	13.	655.	
MPDA 13	13.2	146.	189.	218.	535.	4589.	2446.	920.	184.	168.	168.	163.	163.	9485.	
MPDA 14	17.4	181.	229.	266.	718.	5326.	2785.	655.	218.	202.	202.	197.	197.	11176.	
MPDA 15	20.2	196.	249.	288.	759.	5829.	2917.	723.	232.	217.	217.	211.	211.	11890.	
CPDA 9	29.7	261.	328.	372.	1092.	6880.	3478.	972.	289.	274.	274.	268.	268.	14756.	
MPDA 16	32.8	277.	345.	391.	1173.	7145.	3591.	1040.	302.	287.	287.	281.	281.	15402.	
MPDA 17	187.3	1903.	2200.	2634.	7039.	45159.	21999.	6379.	1928.	1898.	1898.	1888.	1888.	98707.	MPI7 = TOTAL OF NATURAL FLOWS YIELDED BY VERNON CR @ EXCLUDING DUTEAU CR. DIVERSION
CPDA 6	13.0	193.	228.	290.	569.	8105.	4837.	619.	288.	253.	253.	228.	228.	16096.	
CPDA 7	23.5	360.	415.	546.	1081.	13393.	7682.	1129.	487.	447.	447.	415.	415.	26819.	DUTEAU CREEK
MPDA 11	4.5	75.	85.	118.	229.	2059.	1017.	226.	85.	85.	85.	85.	85.	4232.	
MPDA 12	41.7	639.	719.	973.	2011.	20481.	11059.	1993.	781.	741.	741.	710.	710.	41926.	MPI2 = TOTAL OF NATURAL FLOWS YIELDED BY DUTEAU CR. AT POINT OF DIVERSION (HEADGATES)
	229.0	2442.	2919.	3607.	9050.	65640.	33059.	8372.	2709.	2635.	2635.	2598.	2598.	138233.	MPI7 + MPI2 = SUM OF NATURAL FLOWS YIELDED BY VERNON CR. + DUTEAU CR. AT HEADGATES (EQUIVALENT TO THEORETICAL TOTAL NATURAL YIELD OF DOUBLE BASIN)

VERNON CR. WET YEAR (NATURAL FLOW)

Figure A.102

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2200.	2200.	2200.	2445.	2445.	2445.	2372.	2274.	2200.	2200.	2200.	2200.	
CONTROL POINT	2													
STORAGE		5751.	5751.	5751.	6056.	9585.	9585.	8339.	6974.	5751.	5751.	5751.	5751.	
CONTROL POINT	3													
STORAGE		2993.	2993.	2993.	3269.	6988.	6988.	4360.	3641.	2993.	2993.	2993.	2993.	
CONTROL POINT	4													
STORAGE		626.	626.	626.	760.	1253.	1253.	1040.	840.	626.	626.	626.	625.	
CONTROL POINT	5													
STORAGE		10464.	10464.	10464.	11772.	13080.	13080.	12164.	11380.	10464.	10464.	10464.	10464.	
CONTROL POINT	6													
STORAGE		3616.	3616.	3616.	4185.	9040.	9040.	7232.	5381.	3616.	3616.	3616.	3616.	
CONTROL POINT	7													
STORAGE		204.	204.	204.	716.	2037.	2037.	1426.	0.	194.	204.	204.	204.	
CONTROL POINT	8													
STORAGE		22.	0.	0.	0.	124.	20.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	9													
STORAGE		1476.	1476.	1476.	1722.	2460.	2460.	2140.	1796.	1476.	1476.	1476.	1476.	
CONTROL POINT	6													
STORAGE		487.	811.	1136.	1623.	1623.	1461.	1136.	811.	487.	487.	487.	487.	
MEASURING POINT	3													
FLOW		606.	511.	869.	752.	7340.	4659.	874.	2.	1004.	481.	488.	488.	17751.
DEFICIENCY (FISH)		76.	0.	0.	0.	0.	0.	0.	478.	0.	119.	0.	0.	673.
MEASURING POINT	4													
FLOW		449.	566.	704.	979.	8590.	4779.	856.	38.	1040.	517.	524.	524.	19573.
DEFICIENCY (FISH)		31.	0.	0.	0.	0.	0.	0.	442.	0.	83.	0.	0.	556.
MEASURING POINT	5													
FLOW		530.	686.	811.	1362.	10195.	9472.	1188.	110.	1112.	598.	598.	598.	23182.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	370.	0.	0.	0.	0.	370.
MEASURING POINT	8													
FLOW		226.	261.	352.	421.	4350.	2570.	636.	257.	626.	258.	258.	258.	10472.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		492.	604.	728.	1868.	11206.	5355.	1745.	486.	633.	519.	518.	517.	24846.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MEASURING POINT	14													
FLOW		187.	212.	267.	857.	4998.	2599.	952.	151.	167.	189.	184.	184.	10385.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	51.	0.	0.	51.
MEASURING POINT	16													
FLOW		263.	326.	371.	867.	6014.	3299.	1152.	474.	329.	273.	268.	268.	14106.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	17													
FLOW		1696.	2108.	2523.	4355.	34988.	18290.	6113.	1778.	3791.	1750.	1782.	1782.	80854.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	599.	1499.	1499.	1499.	600.	0.	0.	0.	5998.
DEMAND, DOMESTIC		16.	13.	16.	20.	33.	42.	52.	52.	26.	23.	16.	16.	325.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		16.	13.	16.	20.	632.	1541.	1551.	1551.	626.	23.	16.	16.	6321.
FLOW, UPSTREAM		330.	418.	530.	421.	8773.	5384.	2337.	1883.	1705.	606.	609.	609.	20963.
FLOW, DOWNSTREAM		314.	401.	514.	401.	5841.	3803.	786.	332.	1079.	386.	393.	393.	14642.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	255.	426.	426.	426.	170.	0.	0.	0.	1703.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	255.	426.	426.	426.	170.	0.	0.	0.	1703.
FLOW, UPSTREAM		401.	507.	645.	736.	8044.	4863.	1087.	425.	1172.	479.	486.	486.	19331.
FLOW, DOWNSTREAM		401.	507.	645.	736.	7789.	4437.	661.	0.	1002.	479.	486.	486.	17628.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	422.	703.	703.	703.	281.	0.	0.	0.	2812.
DEMAND, DOMESTIC		2.	1.	2.	2.	3.	4.	5.	5.	3.	2.	2.	2.	33.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		2.	1.	2.	2.	425.	707.	708.	708.	284.	2.	2.	2.	2845.
FLOW, UPSTREAM		223.	256.	367.	401.	4572.	3232.	1327.	960.	903.	255.	255.	255.	13087.
FLOW, DOWNSTREAM		221.	255.	365.	399.	4247.	2525.	619.	252.	619.	253.	253.	253.	10242.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	135.	225.	225.	225.	90.	0.	0.	0.	980.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	135.	225.	225.	225.	90.	0.	0.	0.	900.
FLOW, UPSTREAM		95.	120.	153.	146.	2401.	1487.	505.	318.	330.	117.	117.	117.	5905.
FLOW, DOWNSTREAM		95.	120.	153.	146.	2266.	1262.	280.	93.	240.	117.	117.	117.	5005.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		265.	240.	207.	214.	0.	0.	80.	267.	120.	363.	243.	243.	2242.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	192.	321.	321.	321.	128.	0.	0.	0.	1283.
DEMAND, DOMESTIC		75.	60.	75.	90.	151.	196.	241.	241.	120.	105.	75.	75.	1504.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		75.	60.	75.	90.	343.	517.	562.	562.	248.	105.	75.	75.	2787.
FLOW, UPSTREAM		1442.	1781.	2146.	3235.	28090.	15023.	5252.	1810.	3856.	1528.	1535.	1535.	66833.
FLOW, DOWNSTREAM		1367.	1701.	2071.	3165.	27747.	14506.	4690.	1248.	3208.	1423.	1460.	1460.	64046.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	2315.	3859.	3859.	3859.	1543.	0.	0.	0.	15435.
DEMAND, DOMESTIC		62.	50.	62.	75.	124.	162.	199.	199.	99.	87.	62.	62.	1243.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		62.	50.	62.	75.	2439.	4021.	4058.	4058.	1642.	87.	62.	62.	16678.
FLOW, UPSTREAM		1215.	1063.	1559.	1296.	26108.	18261.	5091.	4383.	3306.	1376.	1358.	1356.	56371.
FLOW, DOWNSTREAM		1153.	1013.	1497.	1221.	23669.	14240.	1033.	325.	1666.	1289.	1296.	1296.	49693.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	7													
DEMAND, IRRIGATION		0.	0.	0.	0.	27.	45.	45.	45.	18.	0.	0.	0.	180.
DEMAND, DOMESTIC		74.	59.	74.	88.	147.	192.	236.	236.	118.	103.	74.	74.	1475.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		74.	59.	74.	88.	174.	237.	281.	281.	136.	103.	74.	74.	1655.
FLOW, UPSTREAM		74.	38.	20.	60.	174.	237.	69.	13.	13.	13.	13.	13.	737.
FLOW, DOWNSTREAM		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DEFICIENCY		0.	24.	54.	28.	0.	0.	212.	268.	123.	90.	61.	61.	918.
DEFICIENCY (FISH)		150.	150.	150.	150.	240.	150.	150.	150.	150.	240.	150.	150.	1980.
USE POINT	8													
DEMAND, IRRIGATION		0.	0.	0.	0.	32.	54.	54.	54.	22.	0.	0.	0.	216.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	32.	54.	54.	54.	22.	0.	0.	0.	216.
FLOW, UPSTREAM		132.	169.	197.	495.	4271.	2314.	471.	171.	155.	155.	150.	150.	8814.
FLOW, DOWNSTREAM		132.	169.	197.	495.	4239.	2260.	417.	117.	133.	155.	150.	150.	8614.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		18.	0.	0.	0.	0.	0.	0.	33.	17.	85.	0.	0.	153.
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	63.	105.	105.	105.	42.	0.	0.	0.	420.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	63.	105.	105.	105.	42.	0.	0.	0.	420.
FLOW, UPSTREAM		184.	232.	268.	739.	5299.	2730.	620.	165.	181.	203.	198.	198.	11017.
FLOW, DOWNSTREAM		184.	232.	268.	739.	5236.	2625.	515.	60.	139.	203.	198.	198.	10597.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	90.	11.	37.	0.	0.	138.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	4340.	7237.	7237.	7237.	2896.	0.	0.	0.	28943.
DEMAND, DOMESTIC		229.	183.	229.	275.	458.	596.	733.	733.	366.	320.	229.	229.	4580.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		229.	183.	229.	275.	4798.	7833.	7970.	7970.	3260.	320.	229.	229.	33525.
DEMAND, DEFICIENCY		0.	21.	54.	28.	0.	0.	212.	268.	123.	90.	61.	61.	918.

VERNON CR. WET YEAR (1970) Figure A.103

Date of Print - out : Feb. 9 , 1973

NOTE: Hiram Walker discharge 560 ac.ft./mo. at MP 3.
Water pumped from Okanagan Lake, commencing June 1971.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2196.	2196.	2196.	2440.	2440.	2440.	2367.	2269.	2196.	2196.	2196.	2195.	
CONTROL POINT	2													
STORAGE		5751.	5751.	5751.	6058.	9585.	9585.	8283.	8201.	5848.	5751.	5781.	5751.	
CONTROL POINT	3													
STORAGE		3033.	3033.	3033.	3309.	5055.	5055.	4398.	3690.	3033.	3033.	3033.	3033.	
CONTROL POINT	4													
STORAGE		626.	626.	626.	780.	1293.	1293.	1040.	840.	626.	626.	626.	626.	
CONTROL POINT	5													
STORAGE		20000.	20000.	20000.	22500.	25000.	25000.	23250.	21750.	20000.	20000.	20000.	20000.	
CONTROL POINT	6													
STORAGE		3618.	3618.	3618.	4314.	9040.	9040.	3210.	0.	0.	0.	98.	190.	
CONTROL POINT	7													
STORAGE		204.	204.	204.	247.	564.	712.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	9													
STORAGE		1476.	1476.	1476.	1722.	2460.	2460.	2140.	1798.	1478.	1476.	1476.	1475.	
CONTROL POINT	6													
STORAGE		750.	1080.	1568.	1915.	2500.	2250.	1750.	1250.	750.	750.	750.	750.	
CONTROL POINT	6S													
STORAGE		1500.	1500.	1500.	1837.	3000.	3000.	2400.	0.	0.	96.	184.	312.	
MEASURING POINT	3													
FLOW		822.	957.	1067.	1142.	7958.	4386.	573.	562.	562.	738.	906.	906.	20579.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MEASURING POINT	4													
FLOW		867.	1012.	1122.	1369.	8708.	4706.	763.	598.	598.	774.	942.	942.	22401.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MEASURING POINT	5													
FLOW		948.	1110.	1229.	1752.	10273.	5399.	1085.	670.	670.	846.	1014.	1014.	26010.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MEASURING POINT	8													
FLOW		189.	231.	315.	376.	4420.	2759.	812.	436.	686.	205.	221.	221.	10871.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		444.	566.	680.	1811.	11151.	5298.	1660.	401.	586.	443.	462.	462.	23962.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	37.	0.	0.	37
MEASURING POINT	14													
FLOW		165.	211.	245.	655.	4957.	2535.	487.	86.	141.	187.	182.	182.	10033.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	64.	9.	53.	0.	0.	126.
MEASURING POINT	16													
FLOW		253.	320.	361.	855.	5886.	3093.	940.	414.	442.	259.	258.	258.	13339.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	17													
FLOW		1687.	2211.	2513.	3039.	32958.	17147.	5529.	1887.	3525.	1406.	1772.	1772.	75444.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	907.	1512.	1512.	1512.	605.	0.	0.	0.	6048.
DEMAND, DOMESTIC		126.	101.	126.	151.	252.	328.	403.	403.	202.	176.	126.	126.	2520.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		126.	101.	126.	151.	1159.	1840.	1915.	1915.	807.	176.	126.	126.	8568.
FLOW, UPSTREAM		330.	414.	530.	421.	6773.	5344.	2393.	2600.	1037.	304.	409.	409.	20954.
FLOW, DOWNSTREAM		204.	313.	404.	270.	5614.	3504.	478.	685.	230.	128.	283.	283.	12396.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	406.	676.	676.	676.	271.	0.	0.	0.	2705.
DEMAND, DOMESTIC		32.	26.	32.	39.	64.	84.	103.	103.	52.	45.	32.	32.	644.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		32.	26.	32.	39.	470.	760.	779.	779.	323.	45.	32.	32.	3349.
FLOW, UPSTREAM		291.	419.	535.	605.	7817.	4564.	779.	779.	323.	221.	376.	376.	17085.
FLOW, DOWNSTREAM		259.	393.	503.	566.	7347.	3804.	0.	0.	0.	175.	344.	344.	13736.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	250.	416.	416.	416.	166.	0.	0.	0.	1664.
DEMAND, DOMESTIC		39.	31.	39.	47.	78.	102.	128.	128.	63.	55.	39.	39.	782.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		39.	31.	39.	47.	328.	518.	541.	541.	229.	55.	39.	39.	2446.
FLOW, UPSTREAM		223.	256.	347.	401.	4645.	3232.	1336.	970.	912.	255.	255.	255.	13087.
FLOW, DOWNSTREAM		184.	225.	308.	354.	4317.	2714.	795.	429.	683.	200.	216.	216.	10641.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	95.	158.	158.	158.	63.	0.	0.	0.	632.
DEMAND, DOMESTIC		48.	38.	48.	57.	95.	124.	152.	152.	76.	57.	48.	48.	953.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		48.	38.	48.	57.	190.	282.	310.	310.	139.	57.	48.	48.	1585.
FLOW, UPSTREAM		96.	120.	153.	146.	2401.	1487.	505.	315.	330.	117.	117.	117.	5905.
FLOW, DOWNSTREAM		47.	82.	105.	89.	2211.	1205.	195.	8.	191.	50.	69.	69.	4321.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		313.	278.	255.	271.	0.	0.	165.	352.	169.	430.	291.	291.	2815.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	271.	451.	451.	451.	180.	0.	0.	0.	1804.
DEMAND, DOMESTIC		408.	327.	408.	490.	817.	1052.	1307.	1307.	654.	572.	408.	408.	8188.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		408.	327.	408.	490.	1088.	1513.	1758.	1758.	834.	572.	408.	408.	9992.
FLOW, UPSTREAM		1776.	2139.	2479.	2351.	27032.	15082.	6076.	3176.	3863.	1665.	1868.	1868.	69375.
FLOW, DOWNSTREAM		1368.	1812.	2071.	1861.	25944.	13569.	4318.	1418.	3029.	1093.	1460.	1460.	59403.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	4548.	7580.	7580.	7580.	3032.	0.	0.	0.	30320.
DEMAND, DOMESTIC		485.	388.	485.	582.	970.	1260.	1551.	1551.	776.	679.	485.	485.	9697.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		485.	388.	485.	582.	5518.	8840.	9131.	9131.	3808.	679.	485.	485.	40017.
FLOW, UPSTREAM		789.	718.	973.	929.	21313.	12354.	9631.	6885.	1235.	679.	485.	485.	56476.
FLOW, DOWNSTREAM		304.	330.	488.	347.	15795.	3514.	500.	0.	0.	0.	0.	0.	21278.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	2246.	2573.	0.	0.	0.	4819.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	7													
DEMAND, IRRIGATION		0.	0.	0.	0.	54.	90.	90.	90.	36.	0.	0.	0.	360.
DEMAND, DOMESTIC		252.	201.	252.	302.	503.	654.	806.	806.	403.	352.	252.	252.	5035.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		252.	201.	252.	302.	557.	744.	896.	896.	439.	352.	252.	252.	5395.
FLOW, UPSTREAM		96.	16.	20.	60.	298.	133.	49.	13.	13.	13.	13.	13.	737.
FLOW, DOWNSTREAM		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DEFICIENCY		156.	185.	232.	242.	259.	611.	847.	883.	426.	339.	239.	239.	4658.
DEFICIENCY (FISH)		150.	150.	150.	150.	240.	150.	150.	150.	150.	240.	150.	150.	1980.
USE POINT	8													
DEMAND, IRRIGATION		0.	0.	0.	0.	68.	113.	113.	113.	45.	0.	0.	0.	432.
DEMAND, DOMESTIC		2.	1.	2.	2.	3.	5.	6.	6.	3.	2.	2.	2.	36.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		2.	1.	2.	2.	71.	118.	119.	119.	48.	2.	2.	2.	468.
FLOW, UPSTREAM		132.	169.	197.	495.	4271.	2314.	471.	171.	155.	155.	150.	150.	8830.
FLOW, DOWNSTREAM		130.	168.	195.	493.	4200.	2196.	352.	52.	107.	153.	148.	148.	8342.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		20.	0.	0.	0.	0.	0.	0.	98.	43.	97.	2.	2.	262.
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	135.	225.	225.	225.	90.	0.	0.	0.	900.
DEMAND, DOMESTIC		8.	7.	8.	10.	17.	22.	27.	27.	13.	12.	8.	8.	157.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		8.	7.	8.	10.	152.	247.	252.	252.	103.	12.	8.	8.	1057.
FLOW, UPSTREAM		182.	231.	266.	737.	5260.	2666.	555.	100.	155.	201.	196.	195.	10745.
FLOW, DOWNSTREAM		176.	226.	258.	727.	5108.	2419.	303.	0.	52.	189.	188.	186.	9830.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	152.	0.	0.	0.	0.	152.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	150.	98.	51.	0.	0.	299.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	6734.	11221.	11221.	11221.	4488.	0.	0.	0.	44885.
DEMAND, DOMESTIC		1400.	1120.	1400.	1680.	2799.	3641.	4480.	4480.	2242.	1950.	1400.	1400.	28002.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		1400.	1120.	1400.	1680.	9533.	14862.	15701.	15701.	6730.	1950.	1400.	1400.	72887.
DEMAND, DEFICIENCY		156.	185.	232.	242.	259.	611.	847.	3281.	2999.	339.	239.	239.	9629.

VERNON CR. WET YR. (2020) HIGH GROWTH Figure A.104

NOTE: Hiram Walker discharge 560 cs ft./mo. at MP 3.
Water pumped from Okanagan Lake, commencing June 1971.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

Date of Print-Out: Feb.12 , 1973

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2196.	2196.	2196.	2440.	2440.	2440.	2367.	2269.	2196.	2196.	2196.	2195.	
CONTROL POINT	2													
STORAGE		5751.	5751.	5751.	6056.	9585.	9585.	8339.	8478.	5751.	5751.	5751.	5751.	
CONTROL POINT	3													
STORAGE		3033.	3033.	3033.	3309.	5055.	5055.	4398.	3690.	3033.	3033.	3033.	3033.	
CONTROL POINT	4													
STORAGE		626.	626.	626.	760.	1253.	1253.	1040.	908.	626.	626.	626.	626.	
CONTROL POINT	5													
STORAGE		20000.	20000.	20000.	22500.	25000.	25000.	23250.	21750.	20000.	20000.	20000.	20000.	
CONTROL POINT	6													
STORAGE		3618.	3618.	3618.	4314.	9040.	9040.	4875.	0.	0.	38.	213.	388.	
CONTROL POINT	7													
STORAGE		208.	208.	208.	247.	564.	712.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	9													
STORAGE		1476.	1476.	1476.	1722.	2460.	2460.	2140.	1796.	1476.	1476.	1476.	1476.	
CONTROL POINT	G													
STORAGE		750.	1144.	1712.	2155.	2500.	2250.	1750.	1250.	750.	750.	750.	750.	
CONTROL POINT	GS													
STORAGE		1500.	1500.	1500.	1837.	3000.	3000.	2400.	184.	0.	130.	258.	386.	
MEASURING POINT	3													
FLOW		848.	979.	1093.	1174.	8091.	4590.	736.	562.	830.	880.	932.	932.	21647.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MEASURING POINT	4													
FLOW		893.	1034.	1148.	1401.	8841.	4910.	926.	598.	866.	916.	968.	968.	23469.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MEASURING POINT	5													
FLOW		976.	1132.	1255.	1784.	10406.	5603.	1248.	670.	938.	988.	1040.	1040.	27078.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MEASURING POINT	8													
FLOW		195.	236.	321.	384.	4286.	2530.	586.	208.	600.	214.	227.	227.	10014.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		452.	572.	688.	1820.	11127.	5252.	1618.	393.	536.	455.	470.	470.	23853.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	25.	0.	0.	25.
MEASURING POINT	14													
FLOW		166.	211.	246.	656.	4985.	2582.	534.	133.	160.	187.	183.	183.	10226.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	17.	0.	53.	0.	0.	70.
MEASURING POINT	16													
FLOW		255.	321.	363.	858.	5971.	3234.	1082.	414.	499.	261.	260.	260.	13778.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	17													
FLOW		1796.	2299.	2622.	3172.	33226.	17517.	5907.	1993.	3872.	1666.	1881.	1881.	77833.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	907.	1512.	1512.	1512.	605.	0.	0.	0.	6048.
DEMAND, DOMESTIC		105.	84.	105.	126.	210.	273.	336.	336.	168.	147.	105.	105.	2100.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		105.	84.	105.	126.	1117.	1785.	1848.	1848.	773.	147.	105.	105.	8148.
FLOW, UPSTREAM		330.	414.	530.	421.	6773.	5344.	2337.	2381.	1207.	409.	409.	409.	20964.
FLOW, DOWNSTREAM		225.	330.	425.	295.	5656.	3559.	489.	533.	434.	262.	304.	304.	12816.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	325.	541.	541.	541.	216.	0.	0.	0.	2164.
DEMAND, DOMESTIC		27.	21.	27.	32.	54.	70.	86.	86.	43.	37.	27.	27.	537.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		27.	21.	27.	32.	379.	611.	627.	627.	259.	37.	27.	27.	2701.
FLOW, UPSTREAM		312.	436.	556.	630.	7859.	4619.	790.	627.	527.	355.	397.	397.	17505.
FLOW, DOWNSTREAM		285.	415.	529.	598.	7480.	4008.	163.	0.	268.	318.	370.	370.	14804.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	397.	662.	662.	662.	265.	0.	0.	0.	2648.
DEMAND, DOMESTIC		33.	26.	33.	39.	65.	85.	105.	105.	52.	46.	33.	33.	655.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		33.	26.	33.	39.	462.	747.	767.	767.	317.	46.	33.	33.	3303.
FLOW, UPSTREAM		223.	256.	347.	401.	4645.	3232.	1336.	970.	912.	255.	255.	255.	13087.
FLOW, DOWNSTREAM		190.	230.	314.	362.	4183.	2485.	569.	203.	595.	209.	222.	222.	9784.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	135.	225.	225.	225.	90.	0.	0.	0.	900.
DEMAND, DOMESTIC		40.	32.	40.	48.	79.	103.	127.	127.	63.	55.	40.	40.	794.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		40.	32.	40.	48.	214.	328.	352.	352.	153.	55.	40.	40.	1694.
FLOW, UPSTREAM		95.	120.	153.	146.	2401.	1487.	505.	352.	296.	117.	117.	117.	5906.
FLOW, DOWNSTREAM		55.	88.	113.	98.	2187.	1159.	153.	0.	143.	62.	77.	77.	4212.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		305.	272.	247.	262.	0.	0.	207.	360.	217.	418.	283.	283.	2854.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	196.	327.	327.	327.	131.	0.	0.	0.	1308.
DEMAND, DOMESTIC		341.	273.	341.	409.	682.	886.	1090.	1090.	545.	477.	341.	341.	6815.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		341.	273.	341.	409.	878.	1213.	1417.	1417.	676.	477.	341.	341.	8124.
FLOW, UPSTREAM		1816.	2172.	2519.	2400.	27007.	15011.	5971.	2942.	3995.	1828.	1908.	1908.	69477.
FLOW, DOWNSTREAM		1475.	1899.	2178.	1991.	26129.	13798.	4554.	1525.	3319.	1361.	1567.	1567.	61353.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	3821.	6369.	6369.	6369.	2547.	0.	0.	0.	25475.
DEMAND, DOMESTIC		405.	324.	405.	486.	810.	1054.	1297.	1297.	648.	567.	405.	405.	8103.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		405.	324.	405.	486.	4631.	7423.	7666.	7666.	3195.	567.	405.	405.	33578.
FLOW, UPSTREAM		869.	718.	971.	929.	22440.	13771.	8166.	8166.	1419.	567.	405.	405.	58828.
FLOW, DOWNSTREAM		464.	394.	568.	443.	17809.	6348.	500.	500.	0.	0.	0.	0.	27026.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	1776.	0.	0.	0.	1776.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	7													
DEMAND, IRRIGATION		0.	0.	0.	0.	41.	68.	68.	68.	27.	0.	0.	0.	272.
DEMAND, DOMESTIC		210.	168.	210.	252.	420.	546.	672.	672.	336.	294.	210.	210.	4200.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		210.	168.	210.	252.	461.	614.	740.	740.	363.	294.	210.	210.	4472.
FLOW, UPSTREAM		96.	16.	20.	50.	298.	133.	49.	13.	13.	13.	13.	13.	737.
FLOW, DOWNSTREAM		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DEFICIENCY		114.	152.	190.	192.	163.	481.	691.	727.	350.	281.	197.	197.	3735.
DEFICIENCY (FISH)		150.	150.	150.	150.	240.	150.	150.	150.	150.	240.	150.	150.	1980.
USE POINT	8													
DEMAND, IRRIGATION		0.	0.	0.	0.	41.	68.	68.	68.	27.	0.	0.	0.	272.
DEMAND, DOMESTIC		1.	1.	1.	1.	2.	3.	4.	4.	2.	2.	1.	1.	23.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		1.	1.	1.	1.	43.	71.	72.	72.	29.	2.	1.	1.	295.
FLOW, UPSTREAM		132.	169.	197.	495.	4271.	2314.	471.	171.	155.	155.	150.	150.	8830.
FLOW, DOWNSTREAM		131.	168.	196.	494.	4228.	2243.	399.	99.	126.	153.	149.	149.	8535.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		19.	0.	0.	0.	0.	0.	0.	51.	24.	87.	1.	1.	183.
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	81.	135.	135.	135.	54.	0.	0.	0.	540.
DEMAND, DOMESTIC		7.	6.	7.	8.	14.	18.	22.	22.	11.	10.	7.	7.	134.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		7.	6.	7.	8.	95.	153.	157.	157.	65.	10.	7.	7.	679.
FLOW, UPSTREAM		183.	231.	267.	736.	5288.	2713.	602.	147.	174.	201.	197.	197.	10938.
FLOW, DOWNSTREAM		176.	225.	260.	730.	5193.	2560.	485.	0.	109.	191.	190.	190.	10259.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	150.	41.	49.	0.	0.	240.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	5944.	9907.	9907.	9907.	3962.	0.	0.	0.	39627.
DEMAND, DOMESTIC		1169.	935.	1169.	1401.	2336.	3038.	3739.	3739.	1868.	1635.	1169.	1169.	23367.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		1169.	935.	1169.	1401.	8280.	12945.	13646.	13646.	5830.	1635.	1169.	1169.	62994.
DEMAND, DEFICIENCY		114.	152.	190.	192.	163.	481.	691.	737.	2126.	281.	197.	197.	5521.

VERNON CR. WET YR. (2020) MED. GROWTH Figure A.105

NOTE: Hiram Walker discharge 560 ac. ft./mo. at MP 3. Water pumped from Okanagan Lake, commencing June 1971.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

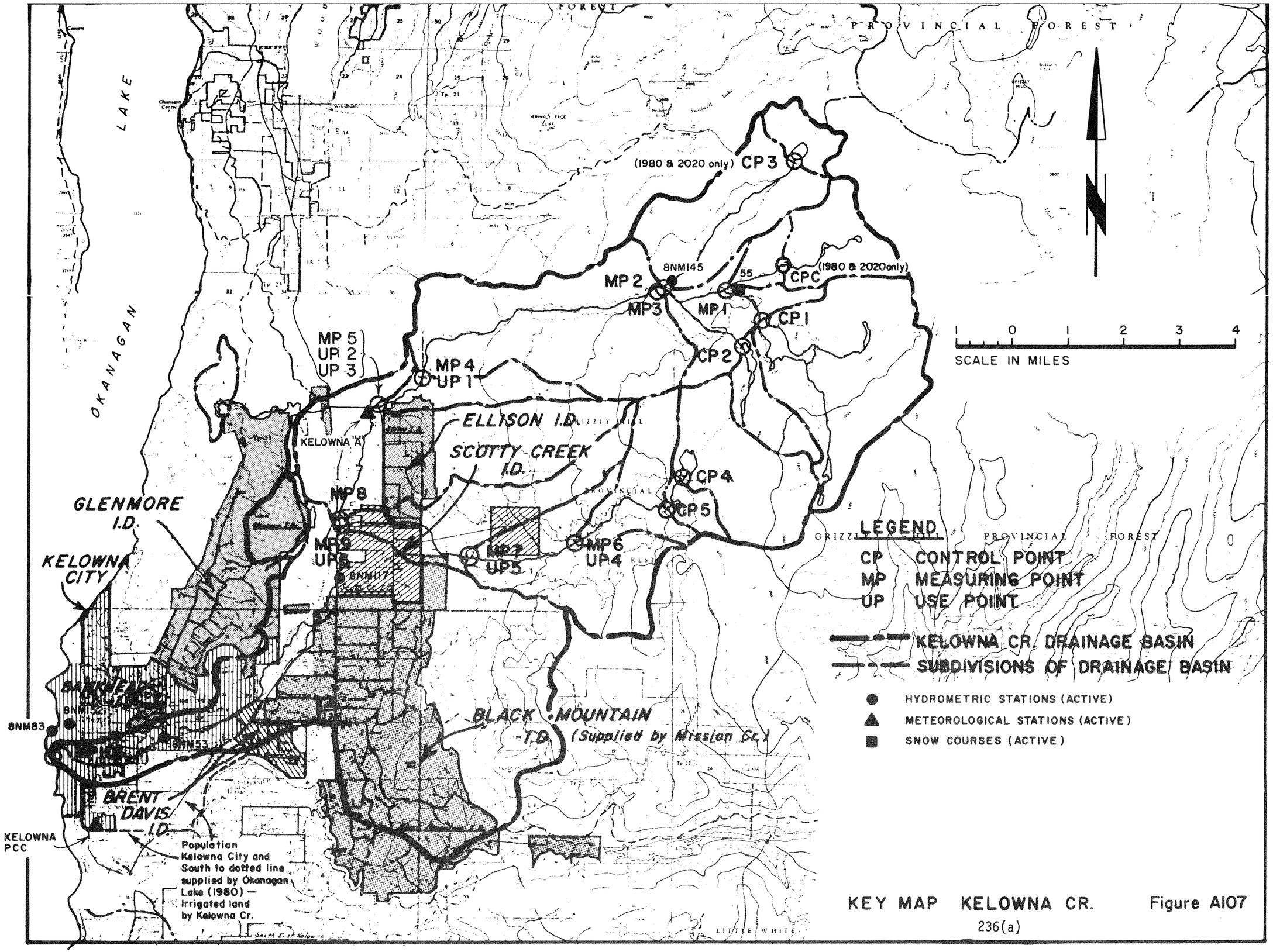
Date of Print-out: Feb 16, 1973

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2196.	2196.	2196.	2440.	2440.	2440.	2367.	2269.	2196.	2196.	2196.	2196.	
CONTROL POINT	2													
STORAGE		5751.	5751.	5751.	6056.	9583.	9583.	8339.	6856.	5791.	5791.	5791.	5791.	
CONTROL POINT	3													
STORAGE		3033.	3033.	3033.	3309.	5055.	5055.	4398.	3690.	3033.	3033.	3033.	3033.	
CONTROL POINT	4													
STORAGE		826.	826.	826.	760.	1253.	1253.	1040.	840.	826.	826.	826.	826.	
CONTROL POINT	5													
STORAGE		20000.	20000.	20000.	22500.	25000.	25000.	23250.	21750.	20000.	20000.	20000.	20000.	
CONTROL POINT	6													
STORAGE		3616.	3616.	3616.	4314.	9040.	9040.	7232.	5962.	5127.	3423.	3616.	3616.	
CONTROL POINT	7													
STORAGE		204.	204.	204.	247.	564.	712.	307.	0.	0.	2.	15.	28.	
CONTROL POINT	8													
STORAGE		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	9													
STORAGE		1476.	1476.	1476.	1722.	2460.	2460.	2140.	1796.	1476.	1476.	1476.	1476.	
CONTROL POINT	G													
STORAGE		750.	1220.	1750.	2306.	2500.	2250.	1750.	1250.	750.	750.	750.	750.	
CONTROL POINT	GS													
STORAGE		1500.	1500.	1500.	1837.	3000.	3000.	2400.	1950.	1500.	1500.	1500.	1500.	
MEASURING POINT	3													
FLOW		874.	1000.	1119.	1205.	8321.	4955.	1116.	562.	1370.	916.	958.	958.	23354.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0
MEASURING POINT	4													
FLOW		919.	1055.	1174.	1432.	9071.	5275.	1306.	598.	1406.	952.	994.	994.	25176.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MEASURING POINT	5													
FLOW		1000.	1153.	1281.	1815.	10636.	5968.	1628.	670.	1478.	1024.	1066.	1066.	28785.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MEASURING POINT	8													
FLOW		202.	241.	328.	391.	4325.	2592.	652.	274.	628.	223.	234.	234.	10324.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		460.	579.	696.	1830.	11148.	5283.	1654.	395.	586.	465.	478.	478.	24052.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	15	0.	0.	15
MEASURING POINT	14													
FLOW		166.	211.	246.	656.	4994.	2596.	549.	148.	165.	188.	183.	183.	10285.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	2	0.	52	0.	0.	54
MEASURING POINT	16													
FLOW		256.	323.	364.	859.	6010.	3297.	1146.	468.	524.	264.	261.	261.	14033.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	17													
FLOW		1905.	2388.	2731.	3302.	33729.	18278.	6732.	2395.	4648.	1818.	1990.	1990.	81906.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	817.	1361.	1361.	1361.	544.	0.	0.	0.	5444.
DEMAND, DOMESTIC		84.	67.	84.	101.	169.	219.	270.	270.	135.	118.	84.	84.	1685.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		84.	67.	84.	101.	986.	1580.	1631.	1631.	679.	118.	84.	84.	7129.
FLOW, UPSTREAM		336.	419.	537.	421.	6773.	5344.	2331.	2001.	1587.	409.	409.	409.	20964.
FLOW, DOWNSTREAM		286.	367.	446.	320.	5787.	3764.	700.	370.	908.	291.	325.	325.	13839.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	237.	395.	395.	395.	158.	0.	0.	0.	1580.
DEMAND, DOMESTIC		22.	17.	22.	26.	43.	56.	69.	69.	35.	30.	22.	22.	433.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		22.	17.	22.	26.	280.	451.	464.	464.	193.	30.	22.	22.	2013.
FLOW, UPSTREAM		333.	453.	577.	655.	7990.	4824.	1007.	464.	1001.	384.	418.	418.	18524.
FLOW, DOWNSTREAM		311.	436.	555.	629.	7710.	4373.	543.	0.	808.	354.	396.	396.	16511.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	370.	617.	617.	617.	247.	0.	0.	0.	2468.
DEMAND, DOMESTIC		26.	21.	26.	32.	53.	68.	84.	84.	42.	37.	26.	26.	525.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		26.	21.	26.	32.	423.	685.	701.	701.	289.	37.	26.	26.	2993.
FLOW, UPSTREAM		223.	256.	347.	401.	4645.	3232.	1336.	970.	912.	255.	255.	255.	13087.
FLOW, DOWNSTREAM		197.	235.	321.	369.	4222.	2547.	635.	269.	623.	218.	229.	229.	10094.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	129.	214.	214.	214.	86.	0.	0.	0.	857.
DEMAND, DOMESTIC		32.	25.	32.	38.	64.	83.	102.	102.	51.	45.	32.	32.	638.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		32.	25.	32.	38.	193.	297.	316.	316.	137.	45.	32.	32.	1495.
FLOW, UPSTREAM		95.	120.	153.	146.	2401.	1487.	505.	318.	330.	117.	117.	117.	5906.
FLOW, DOWNSTREAM		63.	95.	121.	108.	2208.	1190.	189.	2.	193.	72.	85.	85.	4411.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		297	265	239	252	0.	0.	171	358	167	408	275	275	2707
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	157.	262.	262.	262.	105.	0.	0.	0.	1048.
DEMAND, DOMESTIC		274.	219.	274.	328.	547.	711.	876.	876.	438.	383.	274.	274.	5474.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		274.	219.	274.	328.	704.	973.	1138.	1138.	543.	383.	274.	274.	6522.
FLOW, UPSTREAM		1857.	2205.	2560.	2448.	27297.	15469.	6453.	3010.	4613.	1883.	1949.	1949.	71693.
FLOW, DOWNSTREAM		1583.	1985.	2286.	2120.	26593.	14496.	5315.	1872.	4077.	1505.	1675.	1675.	65171.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	2285.	3808.	3808.	3808.	1523.	0.	0.	0.	15232.
DEMAND, DOMESTIC		311.	248.	311.	373.	621.	808.	994.	994.	497.	435.	311.	311.	6214.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		311.	248.	311.	373.	2906.	4616.	4802.	4802.	2020.	435.	311.	311.	21446.
FLOW, UPSTREAM		963.	718.	1105.	929.	24316.	16578.	5302.	5302.	2523.	435.	696.	1079.	59943.
FLOW, DOWNSTREAM		652.	470.	794.	556.	21410.	11962.	500.	500.	500.	0.	385.	758.	38497.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	7													
DEMAND, IRRIGATION		0.	0.	0.	0.	27.	45.	45.	45.	18.	0.	0.	0.	180.
DEMAND, DOMESTIC		181.	145.	181.	218.	363.	472.	581.	581.	290.	258.	181.	181.	3628.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		181.	145.	181.	218.	390.	517.	626.	626.	308.	258.	181.	181.	3808.
FLOW, UPSTREAM		96.	16.	20.	60.	298.	133.	49.	13.	13.	13.	13.	13.	737.
FLOW, DOWNSTREAM		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DEFICIENCY		85.	129.	161.	158.	92.	384.	577.	613.	295.	241.	168.	168.	3071.
DEFICIENCY (FISH)		150	150	150	150	240	150	150	150	150	240	150	150	1980
USE POINT	8													
DEMAND, IRRIGATION		0.	0.	0.	0.	32.	54.	54.	54.	22.	0.	0.	0.	216.
DEMAND, DOMESTIC		1.	1.	1.	1.	2.	3.	3.	3.	2.	1.	1.	1.	20.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		1.	1.	1.	1.	34.	57.	57.	57.	24.	1.	1.	1.	236.
FLOW, UPSTREAM		132.	169.	197.	495.	4271.	2314.	471.	171.	155.	155.	150.	150.	8830.
FLOW, DOWNSTREAM		131.	168.	196.	494.	4237.	2257.	414.	114.	131.	154.	149.	149.	8594.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		19	0.	0.	0.	0.	0.	0.	36	19	86	1	1	162
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	54.	90.	90.	90.	36.	0.	0.	0.	360.
DEMAND, DOMESTIC		6.	4.	6.	7.	11.	14.	18.	18.	9.	8.	6.	6.	113.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		6.	4.	6.	7.	65.	104.	108.	108.	45.	8.	6.	6.	473.
FLOW, UPSTREAM		183.	231.	267.	738.	5297.	2727.	617.	162.	179.	202.	197.	197.	10997.
FLOW, DOWNSTREAM		177.	227.	261.	731.	5232.	2623.	509.	54.	134.	194.	191.	191.	10528.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	96	16	46	0.	0.	158
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	4108.	6846.	6846.	6846.	2739.	0.	0.	0.	27385.
DEMAND, DOMESTIC		937.	747.	937.	1124.	1873.	2434.	2997.	2997.	1499.	1311.	937.	937.	18730.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		937.	747.	937.	1124.	5981.	9280.	9843.	9843.	4238.	1311.	937.	937.	46115.
DEMAND, DEFICIENCY		85.	129.	161.	158.	92.	384.	577.	613.	295.	241.	168.	168.	3071.

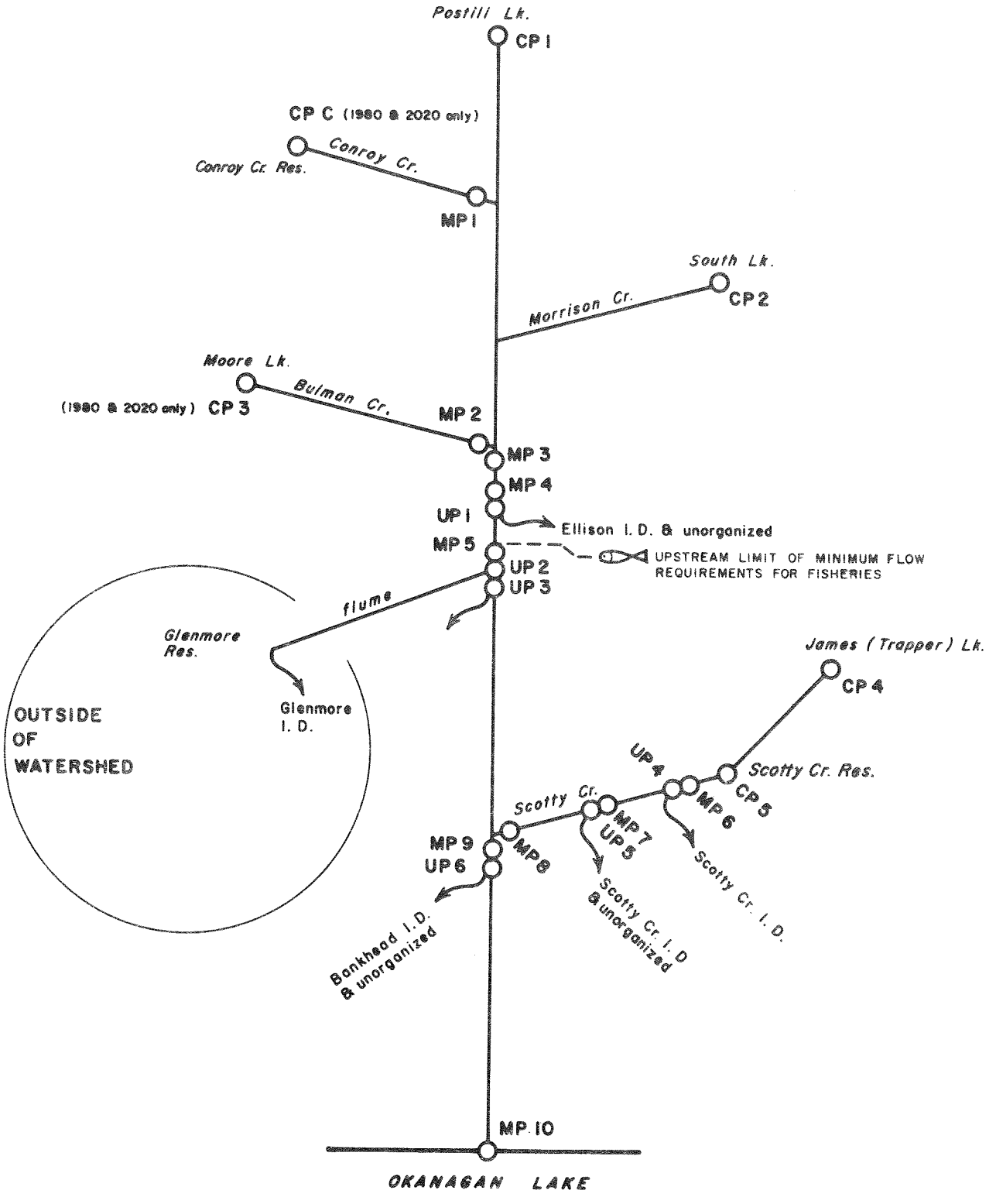
VERNON CR. WET YR. (2020) LOW GROWTH Figure A.106

APPENDIX A-8

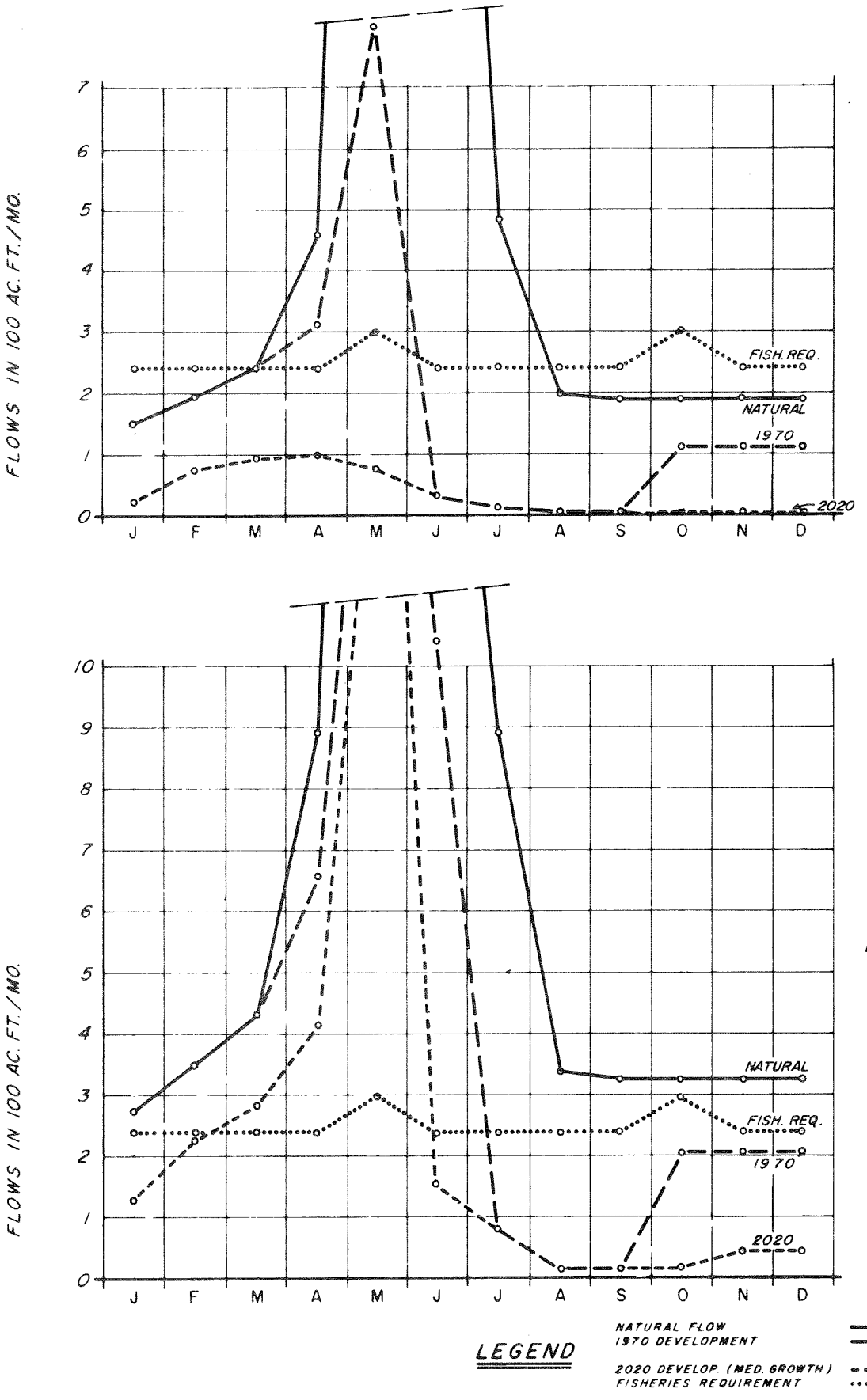
KELOWNA CREEK DATA



KEY MAP KELOWNA CR. Figure A107

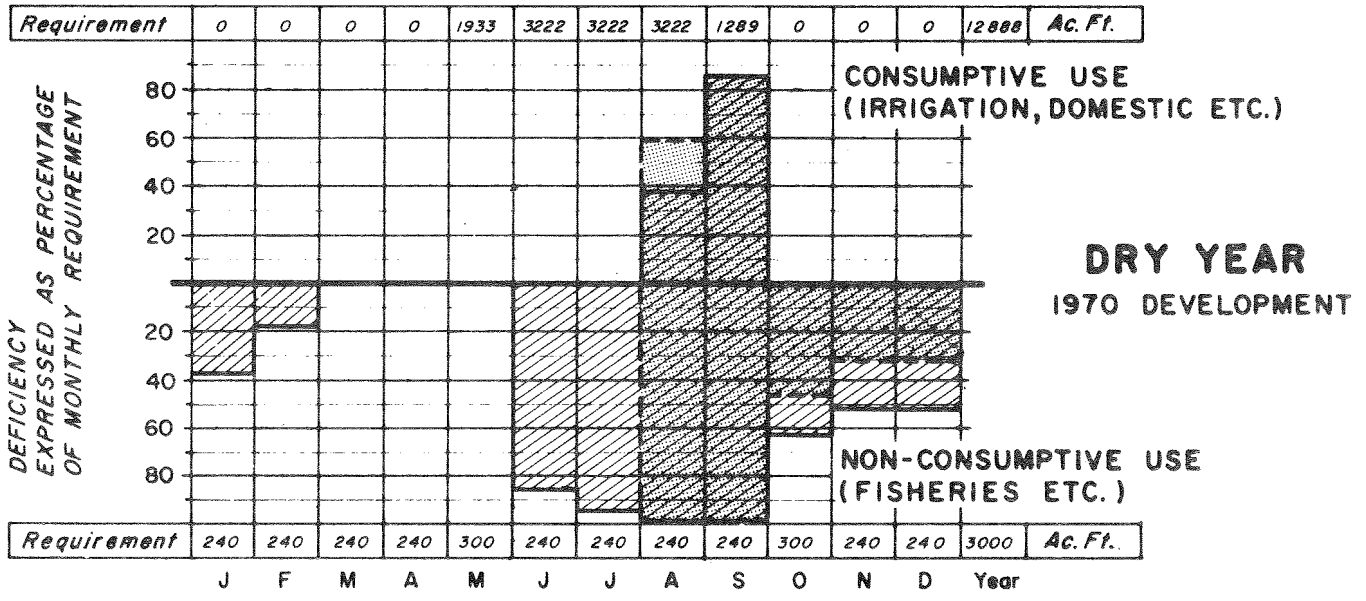


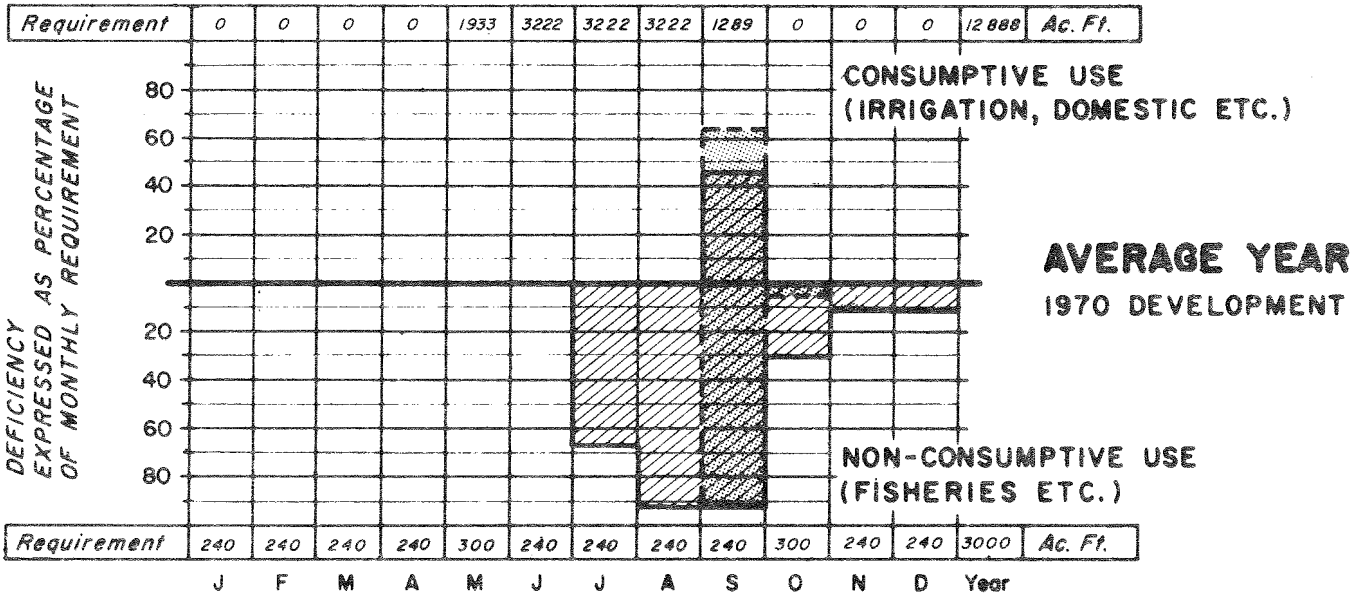
KELOWNA CR. SCHEMATIC



KELOWNA CR. (MP 10)
HYDROGRAPHS OF FLOWS AT MOUTH

Figure A.109

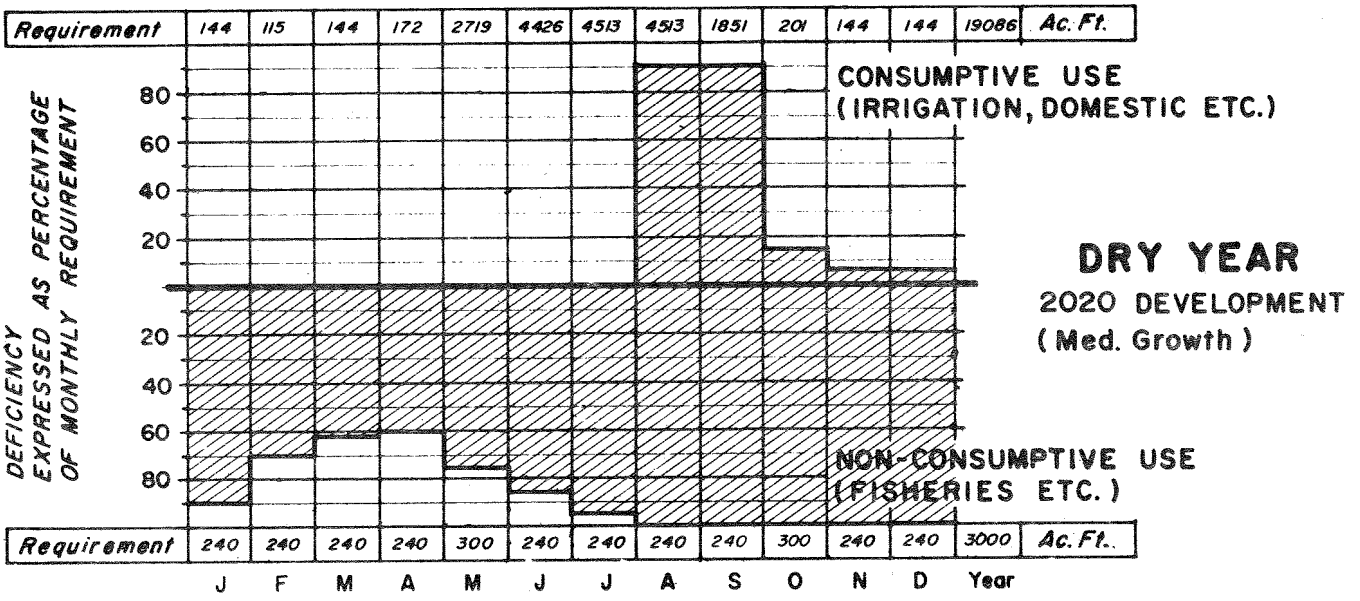


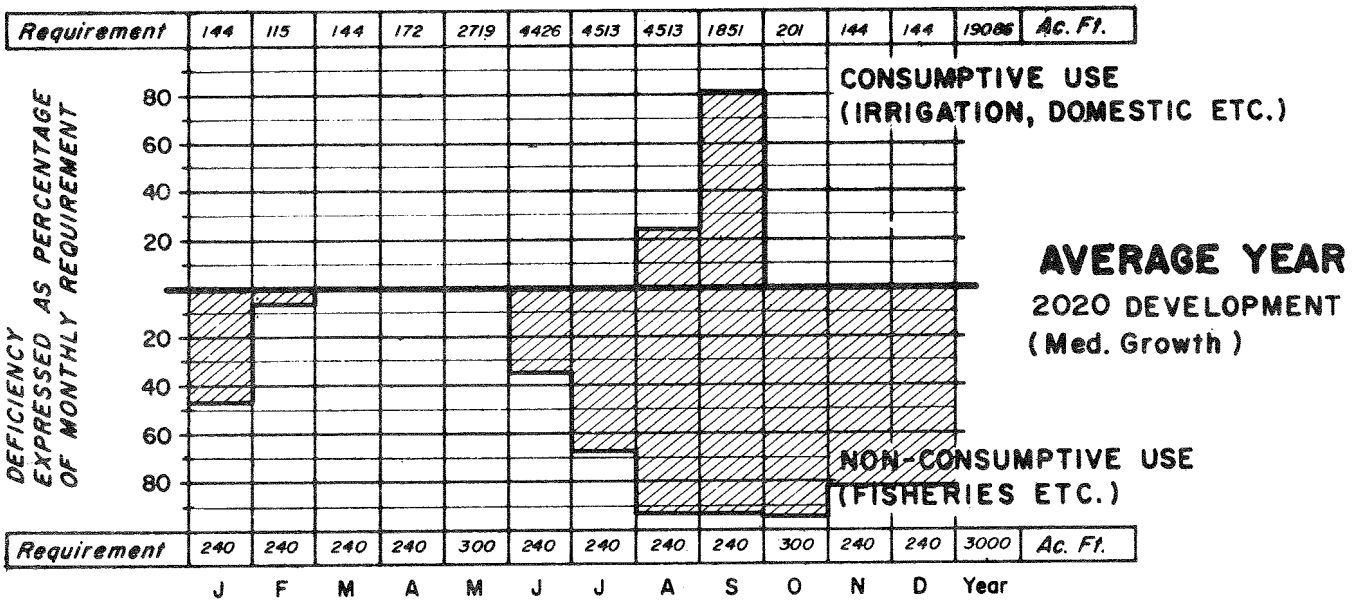


LEGEND ////// Historic (Simulated) Operation
▓▓▓▓ Modified (Simulated) Operation

NOTES: 1. Consumptive Use deficiencies are totals for whole basin.
2. Non-Consumptive deficiencies are those extant at creek mouth.
3. In a Wet Year, a fisheries deficiency of $^{161\ (Hist)}/_{0\ (Mod)}$ ac. ft. exists at mouth in each Aug. & Sept.

KELOWNA CR. (1970) DEFICIENCY DIAGRAM Figure A.110





LEGEND ////// Historic (Simulated) Operation

NOTES:

1. Consumptive Use deficiencies are totals for whole basin.
2. Non-Consumptive deficiencies are those extant at creek mouth.
3. In a Wet Year, a fisheries deficiency exists at mouth of 161 ac.ft. in Aug. & Sept., 97 ac.ft. in Oct.

KELOWNA CR. (2020) DEFICIENCY DIAGRAM Figure A.111

Date Of Print - out:
Dec. 7, 1972

FLOWS IN AC. FT.

LOCATION	AREA IN K. AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR
CPDA 1	5.0	32.	44.	51.	82.	1237.	696.	100.	49.	44.	44.	44.	44.	2466.
MPDA 1	2.2	13.	18.	22.	37.	436.	228.	40.	15.	18.	18.	18.	18.	883.
CPDA 2	1.0	6.	9.	10.	17.	230.	126.	19.	9.	9.	9.	9.	9.	452.
CPDA 3	0.7	4.	6.	7.	12.	144.	76.	13.	6.	6.	6.	6.	6.	292.
MPDA 2	3.8	22.	28.	36.	63.	689.	354.	67.	28.	28.	28.	28.	28.	1400.
MPDA 3	13.9	84.	111.	137.	229.	2919.	1572.	260.	117.	111.	111.	111.	111.	5875.
MPDA 4	20.1	100.	129.	160.	288.	3303.	1753.	311.	134.	127.	127.	127.	127.	6588.
MPDA 5	21.3	101.	131.	162.	294.	3334.	1767.	316.	135.	129.	129.	129.	129.	6756.
CPDA 4	2.9	18.	25.	30.	48.	671.	369.	57.	27.	25.	25.	25.	25.	1343.
CPDA 5	3.3	21.	28.	34.	55.	753.	412.	64.	30.	28.	28.	28.	28.	1510.
MPDA 6	5.1	30.	40.	49.	84.	1032.	552.	94.	42.	40.	40.	40.	40.	2081.
MPDA 7	8.8	39.	50.	63.	117.	1251.	654.	123.	51.	49.	49.	49.	49.	2543.
MPDA 8	11.3	44.	55.	69.	132.	1362.	708.	136.	56.	54.	54.	54.	54.	2776.
MPDA 9	38.5	149.	191.	238.	443.	4797.	2521.	467.	195.	187.	187.	187.	187.	9748.
MPDA 10	55.4	152.	195.	243.	459.	4872.	2554.	480.	198.	190.	190.	190.	190.	9912.

KELOWNA CR. DRY YEAR (NATURAL FLOW)

Figure A.112

Date of Print-out:
Dec. 4, 1972

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2438.	2438.	2438.	2528.	3757.	3587.	1333.	0.	0.	44.	88.	132.	
CONTROL POINT	2													
STORAGE		240.	240.	240.	257.	480.	0.	0.	0.	0.	9.	18.	27.	
CONTROL POINT	4													
STORAGE		334.	334.	334.	362.	1053.	1086.	504.	0.	0.	28.	56.	75.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	0.	87.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		84.	112.	136.	131.	1537.	2223.	2433.	1458.	112.	59.	98.	98.	8395.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		43.	54.	69.	85.	196.	54.	14.	5.	5.	28.	28.	28.	599.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		151.	195.	242.	312.	603.	33.	13.	3.	3.	111.	111.	111.	2086.
DEFICIENCY (FISH)		89.	45.	0.	0.	0.	207.	227.	237.	237.	189.	129.	129.	1489.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	240.	481.	481.	481.	160.	0.	0.	0.	1603.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	240.	481.	481.	481.	160.	0.	0.	0.	1603.
FLOW, UPSTREAM		99.	130.	160.	190.	1921.	2484.	2484.	1486.	128.	75.	75.	75.	9207.
FLOW, DOWNSTREAM		99.	130.	160.	190.	1681.	2003.	2003.	1005.	0.	75.	75.	75.	7636.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	32.	0.	0.	0.	32.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	706.	1177.	1177.	1177.	471.	0.	0.	0.	4708.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	706.	1177.	1177.	1177.	471.	0.	0.	0.	4708.
FLOW, UPSTREAM		(SAME AS UP 3)												
FLOW, DOWNSTREAM														
DEMAND, DEFICIENCY														
DEFICIENCY														
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	314.	524.	524.	524.	210.	0.	0.	0.	2096.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	314.	524.	524.	524.	210.	0.	0.	0.	2096.
FLOW, UPSTREAM		100.	132.	162.	196.	1712.	2217.	2088.	1088.	1.	76.	76.	76.	7702.
FLOW, DOWNSTREAM		100.	132.	162.	196.	692.	316.	387.	0.	0.	76.	76.	76.	2213.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	635.	680.	0.	0.	0.	1315.
DEFICIENCY (FISH)		140.	108.	78.	44.	0.	0.	0.	240.	240.	224.	164.	164.	1402.
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	206.	343.	343.	343.	137.	0.	0.	0.	1372.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	206.	343.	343.	343.	137.	0.	0.	0.	1372.
FLOW, UPSTREAM		30.	39.	49.	36.	279.	601.	675.	945.	39.	14.	14.	14.	2335.
FLOW, DOWNSTREAM		30.	39.	49.	36.	73.	258.	332.	202.	0.	14.	14.	14.	1061.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	98.	0.	0.	0.	98.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	217.	361.	361.	361.	145.	0.	0.	0.	1445.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	217.	361.	361.	361.	145.	0.	0.	0.	1445.
FLOW, UPSTREAM		39.	49.	62.	69.	292.	361.	361.	211.	9.	23.	23.	23.	1522.
FLOW, DOWNSTREAM		39.	49.	62.	69.	75.	0.	0.	0.	0.	23.	23.	23.	363.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	150.	136.	0.	0.	0.	286.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	250.	416.	416.	416.	166.	0.	0.	0.	1664.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	250.	416.	416.	416.	166.	0.	0.	0.	1664.
FLOW, UPSTREAM		148.	191.	237.	297.	979.	416.	416.	9.	9.	198.	198.	198.	3026.
FLOW, DOWNSTREAM		148.	191.	237.	297.	729.	0.	0.	0.	0.	198.	198.	198.	1926.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	407.	157.	0.	0.	0.	564.
DEFICIENCY (FISH)		92.	48.	3.	0.	0.	240.	240.	240.	240.	192.	132.	132.	1560.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	1933.	3222.	3222.	3222.	1289.	0.	0.	0.	12888.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	1933.	3222.	3222.	3222.	1289.	0.	0.	0.	12888.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	1193.	1103.	0.	0.	0.	2296.

KELOWNA CR. DRY YEAR (1970) Figure A.113

Date of Print-Out:
Feb. 9, 1975

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNJAL
CONTROL POINT	1													
STORAGE		2439.	2439.	2439.	2521.	3476.	548.	0.	0.	0.	0.	21.	62.	
CONTROL POINT	C													
STORAGE		336.	336.	336.	368.	560.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		240.	240.	240.	257.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		301.	292.	282.	312.	983.	894.	165.	0.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	0.	64.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		92.	105.	135.	87.	2833.	5094.	807.	118.	111.	111.	90.	90.	9431.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		4.	5.	7.	15.	111.	54.	14.	5.	5.	5.	5.	5.	235.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		3.	45.	63.	54.	74.	33.	13.	3.	3.	3.	3.	3.	303.
DEFICIENCY (FISH)		237.	195.	177.	181.	226.	207.	227.	237.	237.	297.	237.	237.	2695.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	227.	378.	378.	378.	151.	0.	0.	0.	1512.
DEMAND, DOMESTIC		20.	16.	20.	24.	40.	52.	53.	53.	32.	28.	20.	20.	398.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		20.	16.	20.	24.	267.	430.	441.	441.	183.	28.	20.	20.	1910.
FLOW, UPSTREAM		107.	123.	159.	148.	3017.	5235.	858.	132.	127.	127.	108.	108.	10293.
FLOW, DOWNSTREAM		87.	107.	139.	122.	2750.	4805.	417.	0.	0.	99.	86.	86.	8698.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	309.	56.	0.	0.	0.	365.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	825.	1375.	1375.	1375.	550.	0.	0.	0.	5500.
DEMAND, DOMESTIC		36.	29.	36.	43.	71.	93.	114.	114.	57.	50.	36.	36.	715.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		36.	29.	36.	43.	896.	1468.	1489.	1489.	607.	50.	36.	36.	5215.
FLOW, UPSTREAM														
FLOW, DOWNSTREAM		(SAME	AS	UP	3)									
DEMAND, DEFICIENCY														
DEFICIENCY														
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	272.	454.	454.	454.	181.	0.	0.	0.	1815.
DEMAND, DOMESTIC		17.	14.	17.	21.	35.	45.	56.	56.	28.	24.	17.	17.	347.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		17.	14.	17.	21.	307.	499.	510.	510.	209.	24.	17.	17.	2162.
FLOW, UPSTREAM		88.	109.	141.	128.	2781.	4819.	422.	1.	1.	100.	87.	87.	8704.
FLOW, DOWNSTREAM		35.	66.	88.	64.	1578.	2852.	0.	0.	0.	25.	34.	34.	4777.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	1577.	1998.	815.	0.	0.	0.	4390.
DEFICIENCY (FISH)		205.	174.	152.	176.	0.	0.	240.	240.	240.	275.	206.	206.	2114.
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	181.	302.	302.	302.	121.	0.	0.	0.	1208.
DEMAND, DOMESTIC		35.	28.	35.	42.	70.	91.	112.	112.	56.	49.	35.	35.	700.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		35.	28.	35.	42.	251.	393.	414.	414.	177.	49.	35.	35.	1908.
FLOW, UPSTREAM		63.	48.	59.	54.	297.	705.	822.	206.	39.	39.	39.	39.	2410.
FLOW, DOWNSTREAM		28.	20.	24.	12.	46.	312.	408.	0.	0.	0.	4.	4.	858.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	208.	138.	10.	0.	0.	355.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	191.	318.	318.	318.	127.	0.	0.	0.	1272.
DEMAND, DOMESTIC		37.	30.	37.	45.	74.	97.	119.	119.	59.	52.	37.	37.	743.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		37.	30.	37.	45.	265.	415.	437.	437.	186.	52.	37.	37.	2015.
FLOW, UPSTREAM		37.	30.	37.	45.	265.	415.	437.	9.	9.	9.	13.	13.	1319.
FLOW, DOWNSTREAM		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	428.	177.	43.	24.	24.	696.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	1704.	2840.	2840.	2840.	1136.	0.	0.	0.	11360.
DEMAND, DOMESTIC		43.	35.	43.	52.	86.	112.	138.	138.	69.	60.	43.	43.	862.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		43.	35.	43.	52.	1790.	2952.	2978.	2978.	1205.	60.	43.	43.	12222.
FLOW, UPSTREAM		43.	76.	101.	96.	1790.	2952.	29.	9.	9.	35.	43.	43.	5226.
FLOW, DOWNSTREAM		0.	41.	58.	44.	0.	0.	0.	0.	0.	0.	0.	0.	143.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	2949.	2969.	1196.	25.	0.	0.	7139.
DEFICIENCY (FISH)		240.	199.	182.	196.	300.	240.	240.	240.	240.	300.	240.	240.	2857.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	3400.	5667.	5667.	5667.	2266.	0.	0.	0.	22667.
DEMAND, DOMESTIC		188.	152.	188.	227.	376.	490.	602.	602.	301.	263.	188.	188.	3765.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		188.	152.	188.	227.	3776.	6157.	6269.	6269.	2567.	263.	188.	188.	25432.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	4526.	5912.	2382.	78.	24.	24.	12946.

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Figure A.114

Date of Print — out :
Feb. 12 , 1973.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2439.	2439.	2439.	2521.	3758.	3355.	43.	0.	0.	13.	46.	79.	
CONTROL POINT	C													
STORAGE		336.	336.	336.	368.	560.	0.	0.	0.	0.	8.	15.	30.	
CONTROL POINT	2													
STORAGE		240.	240.	240.	257.	400.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		318.	323.	330.	378.	1049.	941.	206.	0.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	0.	61.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		85.	111.	136.	87.	1573.	3307.	3571.	159.	111.	98.	53.	83.	9364.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		4.	5.	7.	18.	111.	54.	14.	5.	5.	5.	5.	5.	238.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		23.	74.	91.	96.	74.	33.	13.	3.	3.	3.	3.	3.	419.
DEFICIENCY (FISH)		217.	166.	149.	144.	226.	207.	227.	237.	237.	297.	237.	237.	2581.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	231.	386.	386.	386.	154.	0.	0.	0.	1543.
DEMAND, DOMESTIC		15.	12.	15.	18.	30.	39.	48.	48.	24.	21.	15.	15.	300.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		15.	12.	15.	18.	261.	425.	434.	434.	178.	21.	15.	15.	1843.
FLOW, UPSTREAM		100.	129.	160.	146.	1957.	3488.	3622.	175.	127.	114.	79.	79.	10176.
FLOW, DOWNSTREAM		85.	117.	145.	128.	1696.	3063.	3186.	0.	0.	93.	64.	64.	8643.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	259.	51.	0.	0.	0.	310.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	660.	1100.	1100.	1100.	440.	0.	0.	0.	4400.
DEMAND, DOMESTIC		27.	22.	27.	33.	54.	71.	87.	87.	43.	38.	27.	27.	543.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		27.	22.	27.	33.	714.	1171.	1187.	1187.	483.	38.	27.	27.	4943.
FLOW, UPSTREAM														
FLOW, DOWNSTREAM		(SAME AS UP 3)												
DEMAND, DEFICIENCY														
DEFICIENCY														
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	306.	510.	510.	510.	204.	0.	0.	0.	2040.
DEMAND, DOMESTIC		14.	11.	14.	16.	27.	35.	44.	44.	22.	19.	14.	14.	274.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		14.	11.	14.	16.	333.	545.	554.	554.	226.	19.	14.	14.	2314.
FLOW, UPSTREAM		86.	119.	147.	134.	1727.	3077.	3193.	1.	1.	96.	65.	65.	8709.
FLOW, DOWNSTREAM		45.	86.	106.	85.	680.	1361.	1452.	0.	0.	37.	24.	24.	3900.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	1740.	708.	0.	0.	0.	2448.
DEFICIENCY (FISH)		195.	154.	134.	155.	0.	0.	0.	240.	240.	263.	216.	210.	1813.
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	200.	333.	333.	333.	133.	0.	0.	0.	1332.
DEMAND, DOMESTIC		27.	21.	27.	32.	53.	69.	85.	85.	43.	37.	27.	27.	533.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		27.	21.	27.	32.	253.	402.	418.	418.	176.	37.	27.	27.	1865.
FLOW, UPSTREAM		46.	34.	42.	36.	300.	721.	828.	247.	39.	39.	39.	39.	2410.
FLOW, DOWNSTREAM		19.	13.	15.	4.	47.	319.	410.	0.	0.	2.	12.	12.	853.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	171.	137.	0.	0.	0.	308.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	209.	348.	348.	348.	139.	0.	0.	0.	1392.
DEMAND, DOMESTIC		28.	23.	28.	34.	57.	74.	91.	91.	45.	40.	28.	28.	567.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		28.	23.	28.	34.	266.	422.	439.	439.	184.	40.	28.	28.	1959.
FLOW, UPSTREAM		28.	23.	28.	37.	266.	422.	439.	9.	9.	11.	21.	21.	1314.
FLOW, DOWNSTREAM		0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	3.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	430.	175.	29.	7.	7.	648.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	826.	1376.	1376.	1376.	551.	0.	0.	0.	5505.
DEMAND, DOMESTIC		33.	26.	33.	39.	66.	85.	105.	105.	53.	46.	33.	33.	657.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		33.	26.	33.	39.	892.	1461.	1481.	1481.	604.	46.	33.	33.	6162.
FLOW, UPSTREAM		53.	96.	119.	120.	892.	1461.	1481.	9.	9.	46.	33.	33.	4352.
FLOW, DOWNSTREAM		20.	70.	86.	81.	0.	0.	0.	0.	0.	0.	0.	0.	257.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	1472.	595.	0.	0.	0.	2057.
DEFICIENCY (FISH)		220.	170.	154.	159.	300.	240.	240.	240.	240.	300.	240.	240.	2745.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	2432.	4053.	4053.	4053.	1621.	0.	0.	0.	16212.
DEMAND, DOMESTIC		144.	115.	144.	172.	287.	373.	460.	460.	230.	201.	144.	144.	2874.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		144.	115.	144.	172.	2719.	4426.	4513.	4513.	1851.	201.	144.	144.	19086.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	4072.	1666.	29.	7.	7.	5781.

KELOWNA CR. DRY YR. (2020) MED. GROWTH

Figure A.115

Date of Print-out:
Feb. 16, 1973.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2439.	2439.	2439.	2521.	3758.	4065.	2607.	495.	0.	66.	88.	132.	
CONTROL POINT	C													
STORAGE		336.	336.	336.	368.	560.	560.	0.	0.	0.	15.	30.	45.	
CONTROL POINT	2													
STORAGE		240.	240.	240.	257.	400.	292.	0.	0.	0.	0.	9.	18.	
CONTROL POINT	4													
STORAGE		334.	334.	334.	382.	1053.	1004.	319.	0.	0.	0.	13.	26.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	0.	82.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		88.	111.	136.	87.	1193.	2125.	2389.	2428.	606.	92.	37.	37.	9239.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		8.	26.	34.	42.	122.	54.	14.	5.	5.	5.	5.	5.	325.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		99.	120.	159.	158.	429.	33.	13.	3.	3.	3.	9.	9.	989.
DEFICIENCY (FISH)		181	120	90	82	0.	207	227	237	237	297	231	231	2140
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	227.	378.	378.	378.	151.	0.	0.	0.	1512.
DEMAND, DOMESTIC		10.	8.	10.	12.	19.	25.	31.	31.	15.	13.	10.	10.	194.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		10.	8.	10.	12.	246.	403.	409.	409.	166.	13.	10.	10.	1706.
FLOW, UPSTREAM		100.	129.	160.	146.	1977.	2398.	2429.	2446.	622.	68.	53.	53.	10078.
FLOW, DOWNSTREAM		90.	121.	150.	134.	1331.	1903.	2011.	2035.	456.	55.	43.	43.	8372.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	629.	1048.	1048.	1048.	419.	0.	0.	0.	4192.
DEMAND, DOMESTIC		17.	14.	17.	21.	34.	45.	55.	55.	28.	24.	17.	17.	344.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		17.	14.	17.	21.	663.	1093.	1103.	1103.	447.	24.	17.	17.	4536.
FLOW, UPSTREAM														
FLOW, DOWNSTREAM		(SAME AS UP 3)												
DEMAND, DEFICIENCY														
DEFICIENCY														
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	293.	492.	492.	492.	197.	0.	0.	0.	1908.
DEMAND, DOMESTIC		9.	7.	9.	10.	17.	22.	28.	28.	14.	12.	9.	9.	176.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		9.	7.	9.	10.	312.	514.	520.	520.	211.	12.	9.	9.	2142.
FLOW, UPSTREAM		91.	123.	152.	140.	1362.	1917.	2015.	2036.	457.	55.	46.	46.	8438.
FLOW, DOWNSTREAM		65.	102.	126.	109.	387.	310.	393.	413.	0.	20.	18.	18.	1961.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	201.	0.	0.	0.	201.
DEFICIENCY (FISH)		175	138	114	131	0.	0.	0.	0.	240	289	222	222	1522
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	204.	340.	340.	340.	136.	0.	0.	0.	1360.
DEMAND, DOMESTIC		17.	14.	17.	20.	34.	44.	54.	54.	27.	24.	17.	17.	339.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		17.	14.	17.	20.	238.	384.	394.	394.	163.	24.	17.	17.	1699.
FLOW, UPSTREAM		30.	39.	49.	36.	279.	683.	778.	360.	39.	39.	26.	26.	2386.
FLOW, DOWNSTREAM		13.	25.	32.	16.	41.	299.	384.	0.	0.	15.	9.	9.	843.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	34.	124.	0.	0.	0.	158.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	213.	355.	355.	355.	142.	0.	0.	0.	1420.
DEMAND, DOMESTIC		18.	14.	18.	22.	36.	47.	58.	58.	29.	25.	18.	18.	361.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		18.	14.	18.	22.	249.	402.	413.	413.	171.	25.	18.	18.	1781.
FLOW, UPSTREAM		22.	35.	45.	49.	260.	602.	413.	9.	9.	26.	18.	18.	1306.
FLOW, DOWNSTREAM		4.	21.	27.	27.	11.	0.	0.	0.	0.	0.	0.	0.	90.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	404.	162.	1.	0.	0.	567.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	213.	355.	355.	355.	142.	0.	0.	0.	1420.
DEMAND, DOMESTIC		21.	17.	21.	25.	42.	55.	67.	67.	34.	29.	21.	21.	420.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		21.	17.	21.	25.	255.	410.	422.	422.	176.	29.	21.	21.	1840.
FLOW, UPSTREAM		77.	133.	166.	168.	610.	410.	422.	422.	9.	29.	27.	27.	2500.
FLOW, DOWNSTREAM		56.	116.	145.	143.	355.	0.	0.	0.	0.	0.	6.	6.	827.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	167.	0.	0.	0.	167.
DEFICIENCY (FISH)		184	124	95	97	0.	240.	240	240	240	300	234	234	2228
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	1781.	2968.	2968.	2968.	1187.	0.	0.	0.	11872.
DEMAND, DOMESTIC		92.	74.	92.	110.	182.	238.	293.	293.	147.	127.	92.	92.	1832.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		92.	74.	92.	110.	1963.	3206.	3261.	3261.	1334.	127.	92.	92.	13704.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	438.	654.	1.	0.	0.	1093.

KELOWNA CR. DRY YR. (2020) LOW GROWTH

Figure A.116

Date Of Print — out:
Dec. 7, 1972

FLOWS IN AC. FT.

LOCATION	AREA IN K. AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR
CPDA 1	5.0	49.	67.	78.	127.	1892.	1061.	154.	75.	67.	67.	67.	67.	3773.
MPDA 1	2.2	21.	28.	36.	58.	693.	362.	64.	28.	28.	28.	28.	28.	1403.
CPDA 2	1.0	10.	13.	16.	26.	357.	195.	30.	14.	13.	13.	13.	13.	715.
CPDA 3	0.7	7.	9.	12.	18.	228.	126.	21.	9.	9.	9.	9.	9.	461.
MPDA 2	3.8	36.	45.	59.	102.	1169.	569.	109.	45.	45.	45.	45.	45.	2254.
MPDA 3	13.9	134.	175.	216.	364.	4579.	2459.	410.	164.	175.	175.	175.	175.	9222.
MPDA 4	20.1	164.	211.	263.	466.	5319.	2863.	515.	216.	207.	207.	207.	207.	10882.
MPDA 5	21.3	168.	215.	267.	501.	5396.	2834.	528.	219.	210.	210.	210.	210.	10961.
CPDA 4	2.9	28.	38.	46.	75.	1038.	569.	88.	42.	39.	39.	39.	39.	2079.
CPDA 5	3.3	32.	44.	53.	85.	1168.	637.	100.	47.	44.	44.	44.	44.	2362.
MPDA 6	5.1	49.	63.	79.	134.	1628.	867.	149.	66.	63.	63.	63.	63.	3287.
MPDA 7	8.8	66.	83.	105.	203.	2050.	1063.	209.	84.	81.	81.	81.	81.	4187.
MPDA 8	11.3	75.	94.	116.	237.	2266.	1166.	239.	93.	90.	90.	90.	90.	4647.
MPDA 9	38.5	254.	323.	402.	790.	7911.	4115.	811.	324.	311.	311.	311.	311.	16176.
MPDA 10	55.4	274.	347.	428.	887.	8274.	4272.	891.	341.	328.	328.	328.	328.	17026.

1540

KELOWNA CR. AVERAGE YEAR (NATURAL FLOW)

Figure A.117

Date of Print-out:
Dec. 4, 1972

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2438.	2438.	2438.	2865.	4063.	4063.	2947.	200.	0.	87.	139.	291.	
CONTROL POINT	2													
STORAGE		240.	240.	240.	264.	400.	400.	0.	0.	0.	13.	26.	26.	
CONTROL POINT	4													
STORAGE		336.	336.	336.	409.	1112.	1112.	787.	137.	0.	36.	78.	117.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	0.	138.	138.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		134.	174.	217.	211.	2946.	2650.	2326.	2463.	462.	90.	94.	90.	11058.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		75.	93.	118.	162.	1010.	682.	30.	0.	0.	81.	81.	81.	2613.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		276.	348.	428.	658.	3839.	1040.	80.	17.	17.	260.	260.	260.	7385.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	160.	223.	223.	52.	52.	52.	762.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	240.	481.	481.	481.	180.	0.	0.	0.	1663.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	240.	481.	481.	481.	180.	0.	0.	0.	1663.
FLOW, UPSTREAM		168.	218.	263.	332.	3688.	2803.	2431.	2498.	474.	180.	180.	180.	13539.
FLOW, DOWNSTREAM		168.	218.	263.	332.	3448.	2403.	2036.	2094.	314.	129.	129.	129.	11634.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	706.	1177.	1177.	1177.	471.	0.	0.	0.	4708.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	706.	1177.	1177.	1177.	471.	0.	0.	0.	4708.
FLOW, UPSTREAM		(SAME AS UP 3)												
FLOW, DOWNSTREAM														
DEMAND, DEFICIENCY														
DEFICIENCY														
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	314.	824.	824.	824.	218.	0.	0.	0.	3003.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	314.	824.	824.	824.	218.	0.	0.	0.	3003.
FLOW, UPSTREAM		188.	214.	268.	347.	3819.	2936.	2842.	2897.	317.	180.	180.	180.	11972.
FLOW, DOWNSTREAM		168.	214.	268.	347.	2490.	733.	341.	398.	0.	129.	129.	129.	5263.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	304.	0.	0.	0.	304.
DEFICIENCY (FISH)		72.	26.	0.	0.	0.	0.	0.	0.	240.	171.	111.	111.	731.
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	286.	343.	343.	343.	137.	0.	0.	0.	1372.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	286.	343.	343.	343.	137.	0.	0.	0.	1372.
FLOW, UPSTREAM		48.	63.	79.	66.	798.	387.	644.	686.	208.	86.	86.	86.	3894.
FLOW, DOWNSTREAM		46.	63.	79.	66.	580.	316.	301.	343.	63.	24.	24.	24.	2132.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	217.	361.	361.	361.	148.	0.	0.	0.	1448.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	217.	361.	361.	361.	148.	0.	0.	0.	1448.
FLOW, UPSTREAM		66.	83.	105.	129.	1010.	716.	361.	361.	81.	42.	42.	42.	2638.
FLOW, DOWNSTREAM		66.	83.	105.	129.	793.	349.	0.	0.	0.	42.	42.	42.	1691.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	64.	0.	0.	0.	64.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	280.	416.	416.	416.	166.	0.	0.	0.	1684.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	280.	416.	416.	416.	166.	0.	0.	0.	1684.
FLOW, UPSTREAM		256.	321.	403.	562.	3763.	1299.	416.	416.	28.	191.	191.	191.	8657.
FLOW, DOWNSTREAM		256.	321.	403.	562.	3613.	883.	0.	0.	0.	191.	191.	191.	6811.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	148.	0.	0.	0.	148.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	240.	240.	240.	109.	49.	46.	927.
GRAND TOTALS FOR ALL THE USE POINTS!														
DEMAND, IRRIGATION		0.	0.	0.	0.	1933.	3222.	3222.	3222.	1289.	0.	0.	0.	12888.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	1933.	3222.	3222.	3222.	1289.	0.	0.	0.	12888.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	574.	0.	0.	0.	574.

KELOWNA CR. AVERAGE YEAR (1970)

Figure A.118

Date of Print-Out:
Feb. 9, 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2439.	2439.	2439.	2566.	4065.	3812.	0.	0.	0.	42.	109.	176.	
CONTROL POINT	C													
STORAGE		338.	338.	338.	386.	560.	0.	0.	0.	0.	25.	80.	75.	
CONTROL POINT	2													
STORAGE		240.	240.	240.	266.	400.	0.	0.	0.	0.	0.	13.	26.	
CONTROL POINT	4													
STORAGE		328.	334.	334.	409.	1112.	1112.	610.	0.	0.	0.	9.	18.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	0.	130.	140.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		135.	174.	216.	143.	2533.	4511.	4222.	184.	174.	107.	61.	61.	12521.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		9.	29.	46.	75.	917.	348.	30.	9.	9.	9.	9.	9.	1499.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		94.	187.	239.	363.	1582.	157.	88.	17.	17.	17.	17.	17.	2787.
DEFICIENCY (FISH)		146.	53.	1.	0.	0.	83.	160.	223.	223.	283.	223.	223.	1618.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	227.	378.	378.	378.	151.	0.	0.	0.	1512.
DEMAND, DOMESTIC		20.	16.	20.	24.	40.	52.	63.	63.	32.	26.	20.	20.	396.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		20.	16.	20.	24.	267.	430.	441.	441.	183.	26.	20.	20.	1910.
FLOW, UPSTREAM		146.	210.	262.	264.	3273.	4855.	4327.	216.	206.	139.	93.	93.	14104.
FLOW, DOWNSTREAM		146.	194.	242.	240.	3006.	4425.	3886.	0.	23.	111.	73.	73.	12419.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	225.	0.	0.	0.	0.	225.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	825.	1375.	1375.	1375.	550.	0.	0.	0.	5500.
DEMAND, DOMESTIC		38.	29.	36.	43.	71.	93.	114.	114.	97.	80.	36.	36.	713.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		38.	29.	36.	43.	896.	1468.	1489.	1489.	647.	80.	36.	36.	6215.
FLOW, UPSTREAM														
FLOW, DOWNSTREAM		(SAME AS UP 3)												
DEMAND, DEFICIENCY														
DEFICIENCY														
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	272.	454.	454.	454.	181.	0.	0.	0.	1815.
DEMAND, DOMESTIC		17.	14.	17.	21.	35.	45.	56.	56.	28.	24.	17.	17.	347.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		17.	14.	17.	21.	307.	499.	510.	510.	209.	24.	17.	17.	2162.
FLOW, UPSTREAM		149.	198.	247.	255.	3077.	4457.	3898.	3.	26.	114.	76.	76.	12576.
FLOW, DOWNSTREAM		96.	155.	194.	191.	1874.	2490.	1899.	0.	0.	40.	23.	23.	6985.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	1998.	790.	0.	0.	0.	2786.
DEFICIENCY (FISH)		144.	85.	46.	49.	0.	0.	0.	240.	240.	280.	217.	217.	1498.
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	181.	302.	302.	302.	121.	0.	0.	0.	1208.
DEMAND, DOMESTIC		38.	28.	35.	42.	70.	91.	112.	112.	56.	49.	35.	35.	709.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		38.	28.	35.	42.	251.	393.	414.	414.	177.	49.	35.	35.	1908.
FLOW, UPSTREAM		84.	57.	79.	80.	795.	857.	791.	676.	63.	63.	54.	54.	3603.
FLOW, DOWNSTREAM		19.	29.	44.	18.	544.	464.	377.	282.	0.	14.	19.	19.	1809.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	114.	0.	0.	0.	114.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	191.	318.	318.	318.	127.	0.	0.	0.	1272.
DEMAND, DOMESTIC		37.	30.	37.	45.	74.	97.	119.	119.	59.	52.	37.	37.	743.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		37.	30.	37.	45.	265.	415.	437.	437.	186.	52.	37.	37.	2015.
FLOW, UPSTREAM		37.	49.	70.	87.	965.	660.	437.	280.	18.	32.	37.	37.	2709.
FLOW, DOWNSTREAM		0.	19.	33.	42.	700.	245.	0.	0.	0.	0.	0.	0.	1039.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	157.	188.	20.	0.	0.	345.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	1704.	2840.	2840.	2840.	1136.	0.	0.	0.	11360.
DEMAND, DOMESTIC		43.	35.	43.	52.	86.	112.	138.	138.	69.	60.	43.	43.	862.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		43.	35.	43.	52.	1790.	2952.	2978.	2978.	1205.	60.	43.	43.	12222.
FLOW, UPSTREAM		117.	198.	257.	319.	3046.	2952.	1974.	20.	20.	60.	43.	43.	9049.
FLOW, DOWNSTREAM		74.	163.	214.	267.	1290.	0.	0.	0.	0.	0.	0.	0.	1974.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	1004.	2958.	1185.	0.	0.	0.	5147.
DEFICIENCY (FISH)		166.	79.	26.	0.	0.	240.	240.	240.	240.	300.	240.	240.	2009.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	3490.	5667.	5667.	5667.	2266.	0.	0.	0.	22667.
DEMAND, DOMESTIC		188.	152.	188.	227.	376.	490.	602.	602.	301.	263.	188.	188.	3765.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		188.	152.	188.	227.	3776.	6157.	6269.	6269.	2567.	263.	188.	188.	26432.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	1004.	5336.	2257.	20.	0.	0.	8617.

KELOWNA CR. AVG. YR. (2020) HIGH GROWTH

Figure A.119

Date of Print - out :
Feb. 12, 1973.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2439.	2439.	2439.	2566.	4065.	4065.	2489.	0.	0.	67.	134.	201.	
CONTROL POINT	C													
STORAGE		336.	336.	336.	386.	560.	560.	0.	0.	0.	25.	50.	75.	
CONTROL POINT	2													
STORAGE		240.	240.	240.	266.	400.	400.	0.	0.	0.	13.	26.	39.	
CONTROL POINT	4													
STORAGE		334.	334.	334.	409.	1112.	1112.	604.	0.	0.	8.	30.	56.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	0.	130.	140.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		135.	174.	216.	143.	2533.	2780.	3466.	2673.	174.	63.	60.	60.	12481.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		20.	49.	63.	96.	914.	332.	30.	9.	9.	9.	9.	9.	1549.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		132.	230.	283.	418.	2639.	157.	80.	17.	17.	17.	43.	43.	4076.
DEFICIENCY (FISH)		108.	10.	0.	0.	0.	83.	160.	223.	223.	283.	197.	197.	1484.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	231.	386.	386.	386.	154.	0.	0.	0.	1563.
DEMAND, DOMESTIC		15.	12.	15.	18.	30.	39.	48.	48.	24.	21.	15.	15.	300.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		15.	12.	15.	18.	261.	425.	434.	434.	178.	21.	15.	15.	1863.
FLOW, UPSTREAM		166.	210.	262.	264.	3273.	3124.	3569.	2705.	206.	101.	92.	92.	14064.
FLOW, DOWNSTREAM		151.	198.	247.	246.	3012.	2699.	3135.	2271.	28.	80.	77.	77.	12221.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	660.	1100.	1100.	1100.	440.	0.	0.	0.	4400.
DEMAND, DOMESTIC		27.	22.	27.	33.	54.	71.	87.	87.	43.	38.	27.	27.	543.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		27.	22.	27.	33.	714.	1171.	1187.	1187.	483.	38.	27.	27.	4943.
FLOW, UPSTREAM														
FLOW, DOWNSTREAM														
DEMAND, DEFICIENCY		(SAME AS UP 3)												
DEFICIENCY														
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	306.	510.	510.	510.	204.	0.	0.	0.	2040.
DEMAND, DOMESTIC		14.	11.	14.	16.	27.	35.	44.	44.	22.	19.	14.	14.	274.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		14.	11.	14.	16.	333.	545.	554.	554.	226.	19.	14.	14.	2314.
FLOW, UPSTREAM		154.	202.	252.	261.	3083.	2731.	3147.	2274.	31.	83.	80.	80.	12378.
FLOW, DOWNSTREAM		113.	169.	211.	212.	2036.	1015.	1406.	533.	0.	26.	39.	39.	5799.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	678.	0.	0.	0.	678.
DEFICIENCY (FISH)		127.	71.	28.	28.	0.	0.	0.	0.	240.	274.	201.	201.	1171.
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	200.	333.	333.	333.	133.	0.	0.	0.	1332.
DEMAND, DOMESTIC		27.	21.	27.	32.	53.	69.	85.	85.	43.	37.	27.	27.	533.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		27.	21.	27.	32.	253.	402.	418.	418.	176.	37.	27.	27.	1865.
FLOW, UPSTREAM		48.	63.	79.	60.	795.	857.	797.	670.	63.	59.	37.	37.	3565.
FLOW, DOWNSTREAM		21.	42.	52.	28.	542.	455.	379.	252.	0.	22.	10.	10.	1813.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	113.	0.	0.	0.	113.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	209.	348.	348.	348.	139.	0.	0.	0.	1392.
DEMAND, DOMESTIC		28.	23.	28.	34.	57.	74.	91.	91.	45.	40.	28.	28.	567.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		28.	23.	28.	34.	266.	422.	439.	439.	184.	40.	28.	28.	1959.
FLOW, UPSTREAM		39.	62.	78.	97.	963.	651.	439.	270.	18.	40.	28.	28.	2713.
FLOW, DOWNSTREAM		11.	39.	50.	63.	697.	229.	0.	0.	0.	0.	0.	0.	1089.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	169.	166.	0.	0.	0.	335.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	826.	1376.	1376.	1376.	551.	0.	0.	0.	5505.
DEMAND, DOMESTIC		33.	26.	33.	39.	66.	85.	105.	105.	53.	46.	33.	33.	657.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		33.	26.	33.	39.	892.	1461.	1481.	1481.	604.	46.	33.	33.	6162.
FLOW, UPSTREAM		145.	232.	291.	361.	3205.	1461.	1481.	553.	20.	46.	59.	59.	7913.
FLOW, DOWNSTREAM		112.	206.	258.	322.	2313.	0.	0.	0.	0.	0.	26.	26.	3263.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	928.	584.	0.	0.	0.	1512.
DEFICIENCY (FISH)		128.	34.	0.	0.	0.	240.	240.	240.	240.	300.	214.	214.	1850.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	2432.	4053.	4053.	4053.	1621.	0.	0.	0.	16212.
DEMAND, DOMESTIC		144.	115.	144.	172.	287.	373.	460.	460.	230.	201.	144.	144.	2874.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		144.	115.	144.	172.	2719.	4426.	4513.	4513.	1851.	201.	144.	144.	19086.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	1097.	1561.	0.	0.	0.	2658.

KELOWNA CR AVG. YR. (2020) MED. GROWTH

Figure A.120

Date of Print-out
Feb. 16, 1973.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2439.	2439.	2439.	2566.	4065.	4065.	3537.	1924.	1153.	1220.	1287.	1354.	
CONTROL POINT	C													
STORAGE		336.	336.	336.	388.	589.	589.	487.	0.	0.	29.	90.	73.	
CONTROL POINT	2													
STORAGE		240.	240.	240.	266.	400.	400.	115.	0.	0.	13.	26.	39.	
CONTROL POINT	4													
STORAGE		334.	334.	334.	409.	1112.	1112.	654.	0.	0.	32.	71.	110.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	0.	130.	140.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		138.	174.	216.	143.	2533.	2332.	2262.	2399.	945.	60.	60.	60.	11319.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		40.	65.	83.	120.	946.	370.	30.	9.	9.	9.	16.	16.	1713.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		104.	271.	335.	460.	3395.	929.	80.	17.	17.	54.	82.	82.	5926.
DEFICIENCY (FISH)		56	0.	0.	0.	0.	0.	160	223	223	246	156	156	1224
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	227.	378.	378.	378.	151.	0.	0.	0.	1512.
DEMAND, DOMESTIC		16.	8.	16.	12.	19.	25.	31.	31.	15.	13.	10.	10.	194.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		16.	8.	16.	12.	246.	403.	409.	409.	166.	13.	10.	10.	1706.
FLOW, UPSTREAM		106.	210.	282.	264.	3273.	2676.	2367.	2431.	977.	92.	92.	92.	12902.
FLOW, DOWNSTREAM		156.	202.	252.	252.	3027.	2273.	1958.	2022.	811.	79.	82.	82.	11196.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	629.	1048.	1048.	1048.	419.	0.	0.	0.	4192.
DEMAND, DOMESTIC		17.	14.	17.	21.	34.	45.	55.	55.	28.	24.	17.	17.	344.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		17.	14.	17.	21.	663.	1093.	1103.	1103.	447.	24.	17.	17.	4536.
FLOW, UPSTREAM														
FLOW, DOWNSTREAM														
DEMAND, DEFICIENCY														
DEFICIENCY		(SAME AS UP 3)												
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	295.	492.	492.	492.	197.	0.	0.	0.	1968.
DEMAND, DOMESTIC		9.	7.	9.	10.	17.	22.	28.	28.	14.	12.	9.	9.	174.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		9.	7.	9.	10.	312.	514.	520.	520.	211.	12.	9.	9.	2142.
FLOW, UPSTREAM		139.	206.	257.	267.	3096.	2395.	1970.	2025.	814.	82.	85.	85.	11353.
FLOW, DOWNSTREAM		133.	185.	231.	236.	2123.	698.	347.	402.	156.	46.	59.	59.	4675.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		107	55	9	4	0.	0.	0.	0.	84	254	181	181	875
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	204.	340.	340.	340.	136.	0.	0.	0.	1360.
DEMAND, DOMESTIC		17.	14.	17.	20.	34.	44.	54.	54.	27.	24.	17.	17.	339.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		17.	14.	17.	20.	238.	384.	394.	394.	163.	24.	17.	17.	1699.
FLOW, UPSTREAM		48.	63.	79.	60.	795.	857.	747.	720.	63.	31.	24.	24.	3511.
FLOW, DOWNSTREAM		31.	48.	62.	40.	557.	473.	353.	326.	0.	7.	7.	7.	1912.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	100.	0.	0.	0.	100.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	213.	355.	355.	355.	142.	0.	0.	0.	1420.
DEMAND, DOMESTIC		18.	14.	18.	22.	36.	49.	58.	58.	29.	25.	18.	18.	361.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		18.	14.	18.	22.	249.	402.	413.	413.	171.	25.	18.	18.	1781.
FLOW, UPSTREAM		49.	69.	80.	109.	978.	869.	413.	344.	18.	25.	25.	25.	2812.
FLOW, DOWNSTREAM		31.	55.	70.	87.	729.	267.	0.	0.	0.	0.	7.	7.	1253.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	69.	153.	0.	0.	0.	222.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	213.	355.	355.	355.	142.	0.	0.	0.	1420.
DEMAND, DOMESTIC		21.	17.	21.	25.	42.	55.	67.	67.	34.	29.	21.	21.	420.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		21.	17.	21.	25.	255.	410.	422.	422.	176.	29.	21.	21.	1840.
FLOW, UPSTREAM		185.	264.	331.	409.	3324.	1182.	422.	422.	176.	86.	86.	86.	6953.
FLOW, DOWNSTREAM		164.	247.	310.	384.	3069.	772.	0.	0.	0.	57.	65.	65.	5113.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		76	0.	0.	0.	0.	0.	240	240	240	263	175	175	1409
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	1781.	2968.	2968.	2968.	1187.	0.	0.	0.	11872.
DEMAND, DOMESTIC		92.	74.	92.	118.	182.	238.	293.	293.	147.	127.	92.	92.	1832.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		92.	74.	92.	118.	1963.	3206.	3261.	3261.	1334.	127.	92.	92.	13704.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	69.	253.	0.	0.	0.	322.

KELOWNA CR. AVG. YR. (2020) LOW GROWTH

Figure A.121

Date of Print-out:
Dec. 7, 1972

FLOWS IN AC. FT.

LOCATION	AREA IN K. AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR
CPDA 1	5.0	83.	114.	133.	216.	3186.	1782.	261.	127.	116.	114.	114.	114.	6369.
MPDA 1	2.2	38.	49.	62.	103.	1218.	635.	113.	49.	49.	49.	49.	49.	2466.
CPDA 2	1.0	17.	23.	28.	44.	609.	333.	52.	24.	23.	23.	23.	23.	1222.
CPDA 3	0.7	12.	16.	20.	32.	398.	269.	36.	16.	16.	16.	16.	16.	865.
MPDA 2	3.8	65.	89.	105.	183.	1973.	1811.	194.	80.	80.	80.	80.	80.	4812.
MPDA 3	13.9	234.	305.	379.	648.	7931.	4244.	716.	328.	305.	305.	305.	305.	15987.
MPDA 4	20.1	301.	384.	478.	917.	9498.	4964.	983.	387.	372.	372.	372.	372.	19369.
MPDA 5	21.3	316.	396.	491.	962.	9686.	5048.	990.	396.	381.	381.	381.	381.	19802.
CPDA 4	2.9	49.	66.	80.	128.	1771.	968.	151.	71.	66.	66.	66.	66.	3580.
CPDA 5	3.3	56.	76.	91.	147.	1999.	1088.	171.	88.	76.	76.	76.	76.	4010.
MPDA 6	5.1	88.	118.	138.	237.	2838.	1595.	262.	116.	110.	110.	110.	110.	5720.
MPDA 7	8.8	128.	156.	196.	399.	3739.	1928.	488.	186.	149.	149.	149.	149.	7608.
MPDA 8	11.3	147.	183.	227.	491.	4248.	2153.	486.	176.	171.	171.	171.	171.	8782.
MPDA 9	38.5	497.	627.	772.	1442.	14769.	7548.	1629.	606.	588.	588.	588.	586.	30383.
MPDA 10	58.4	893.	744.	891.	2118.	16367.	8299.	2026.	687.	667.	667.	667.	667.	34384.

35541

KELOWNA CR. WET YEAR (NATURAL FLOW)

Figure A.122

Date of Print-out:
Dec. 4, 1972

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2438.	2438.	2438.	2654.	4663.	4663.	3174.	1118.	542.	656.	770.	884.	
CONTROL POINT	2													
STORAGE		248.	248.	248.	284.	498.	498.	0.	0.	0.	23.	46.	69.	
CONTROL POINT	4													
STORAGE		334.	334.	334.	462.	1112.	1112.	886.	397.	263.	329.	334.	334.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	0.	140.	140.	92.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		235.	308.	378.	379.	6406.	4244.	2005.	2383.	872.	167.	167.	167.	17707.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		147.	182.	228.	362.	3078.	1650.	86.	22.	22.	104.	168.	170.	5960.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		993.	742.	991.	1729.	12118.	9038.	397.	79.	79.	463.	524.	529.	23184.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	181.	181.	0.	0.	0.	322.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	240.	481.	481.	481.	160.	0.	0.	0.	1603.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	240.	481.	481.	481.	160.	0.	0.	0.	1603.
FLOW, UPSTREAM		302.	380.	477.	696.	7969.	4964.	2242.	2451.	946.	235.	235.	235.	21096.
FLOW, DOWNSTREAM		302.	380.	477.	696.	7729.	4963.	1841.	2050.	700.	235.	235.	235.	19487.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	706.	1177.	1177.	1177.	471.	0.	0.	0.	4708.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	706.	1177.	1177.	1177.	471.	0.	0.	0.	4708.
FLOW, UPSTREAM														
FLOW, DOWNSTREAM		(SAME AS UP 3)												
DEMAND, DEFICIENCY														
DEFICIENCY														
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	314.	524.	524.	524.	210.	0.	0.	0.	2098.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	314.	524.	524.	524.	210.	0.	0.	0.	2098.
FLOW, UPSTREAM		311.	378.	488.	701.	7920.	4647.	1878.	2059.	789.	244.	244.	244.	19923.
FLOW, DOWNSTREAM		311.	378.	490.	701.	6988.	2948.	177.	358.	108.	244.	244.	244.	13119.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	63.	0.	132.	86.	0.	0.	281.
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	298.	343.	343.	343.	137.	0.	0.	0.	1372.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	298.	343.	343.	343.	137.	0.	0.	0.	1372.
FLOW, UPSTREAM		86.	110.	138.	198.	2947.	1986.	886.	885.	263.	43.	184.	189.	5725.
FLOW, DOWNSTREAM		86.	110.	138.	198.	1841.	1163.	223.	322.	106.	43.	184.	189.	4383.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	217.	361.	361.	361.	145.	0.	0.	0.	1445.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	217.	361.	361.	361.	145.	0.	0.	0.	1445.
FLOW, UPSTREAM		125.	156.	196.	278.	2744.	1378.	361.	361.	145.	82.	143.	148.	6309.
FLOW, DOWNSTREAM		125.	156.	196.	278.	2827.	1247.	0.	0.	0.	82.	143.	148.	4864.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	230.	816.	816.	816.	186.	0.	0.	0.	1864.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	230.	816.	816.	816.	186.	0.	0.	0.	1864.
FLOW, UPSTREAM		900.	626.	772.	1253.	18718.	6761.	816.	816.	186.	384.	645.	698.	29879.
FLOW, DOWNSTREAM		900.	626.	772.	1253.	16468.	4325.	0.	0.	0.	306.	645.	698.	19215.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	240.	240.	240.	0.	0.	0.	720.
GRAND TOTALS FOR ALL THE USE POINTS!														
DEMAND, IRRIGATION		0.	0.	0.	0.	1933.	3822.	3822.	3822.	1309.	0.	0.	0.	12908.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	1933.	3822.	3822.	3822.	1309.	0.	0.	0.	12908.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

KELOWNA CR. WET YEAR (1970)

Figure A.123

Date of Print-Out:
Feb. 9 , 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2439.	2439.	2439.	2655.	4065.	4065.	1836.	0.	0.	114.	228.	342.	
CONTROL POINT	C													
STORAGE		336.	336.	336.	424.	560.	560.	0.	0.	0.	43.	86.	129.	
CONTROL POINT	2													
STORAGE		240.	240.	240.	284.	400.	400.	0.	0.	0.	23.	46.	69.	
CONTROL POINT	4													
STORAGE		334.	334.	334.	462.	1112.	1112.	801.	103.	0.	47.	113.	179.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	0.	140.	140.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		235.	304.	378.	259.	5883.	4233.	4905.	2155.	304.	108.	108.	108.	18980.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		75.	124.	156.	275.	2935.	1346.	80.	22.	22.	22.	32.	32.	5121.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		406.	590.	703.	1382.	9753.	2092.	397.	79.	79.	160.	216.	216.	16073.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	161.	161.	140.	24.	24.	510.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	227.	378.	378.	378.	151.	0.	0.	0.	1512.
DEMAND, DOMESTIC		20.	16.	20.	24.	40.	52.	63.	63.	32.	28.	20.	20.	398.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		20.	16.	20.	24.	267.	430.	441.	441.	183.	28.	20.	20.	1910.
FLOW, UPSTREAM		302.	384.	477.	536.	7446.	4953.	5142.	2223.	372.	176.	176.	176.	22363.
FLOW, DOWNSTREAM		282.	368.	457.	512.	7179.	4523.	4701.	1782.	189.	148.	156.	156.	20453.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	825.	1375.	1375.	1375.	550.	0.	0.	0.	5500.
DEMAND, DOMESTIC		36.	29.	36.	43.	71.	93.	114.	114.	57.	50.	36.	35.	715.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		36.	29.	36.	43.	896.	1468.	1489.	1489.	607.	50.	36.	36.	6215.
FLOW, UPSTREAM														
FLOW, DOWNSTREAM														
DEMAND, DEFICIENCY														
DEFICIENCY		(SAME	AS	UP 3)										
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	272.	454.	454.	454.	181.	0.	0.	0.	1815.
DEMAND, DOMESTIC		17.	14.	17.	21.	35.	45.	56.	56.	28.	24.	17.	17.	347.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		17.	14.	17.	21.	307.	499.	510.	510.	209.	24.	17.	17.	2162.
FLOW, UPSTREAM		291.	380.	470.	557.	7370.	4507.	4738.	1791.	198.	157.	165.	165.	20889.
FLOW, DOWNSTREAM		238.	337.	417.	493.	6167.	2640.	2739.	0.	0.	83.	112.	112.	13338.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	208.	818.	0.	0.	0.	826.
DEFICIENCY (FISH)		2.	0.	0.	0.	0.	0.	0.	240.	240.	217.	128.	128.	955.
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	181.	302.	302.	302.	121.	0.	0.	0.	1208.
DEMAND, DOMESTIC		35.	28.	35.	42.	70.	91.	112.	112.	56.	49.	35.	35.	700.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		35.	28.	35.	42.	251.	393.	414.	414.	177.	49.	35.	35.	1908.
FLOW, UPSTREAM		86.	110.	138.	108.	2047.	1506.	713.	812.	212.	62.	43.	43.	5860.
FLOW, DOWNSTREAM		51.	82.	103.	66.	1796.	1113.	299.	398.	35.	13.	8.	8.	3972.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	191.	318.	318.	318.	127.	0.	0.	0.	1272.
DEMAND, DOMESTIC		37.	30.	37.	45.	74.	97.	119.	119.	59.	52.	37.	37.	743.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		37.	30.	37.	45.	265.	415.	437.	437.	186.	52.	37.	37.	2015.
FLOW, UPSTREAM		90.	128.	161.	228.	2699.	1528.	437.	437.	74.	52.	47.	47.	5928.
FLOW, DOWNSTREAM		53.	98.	124.	183.	2434.	1113.	0.	0.	0.	0.	10.	10.	4025.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	112.	0.	0.	0.	112.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	1704.	2840.	2840.	2840.	1136.	0.	0.	0.	11360.
DEMAND, DOMESTIC		43.	35.	43.	52.	86.	112.	138.	138.	69.	60.	43.	43.	862.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		43.	35.	43.	52.	1790.	2952.	2978.	2978.	1205.	60.	43.	43.	12222.
FLOW, UPSTREAM		354.	509.	627.	958.	9885.	4331.	2978.	58.	58.	141.	180.	180.	20259.
FLOW, DOWNSTREAM		311.	474.	584.	906.	8095.	1379.	0.	0.	0.	81.	137.	137.	12104.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	2920.	1147.	0.	0.	0.	4067.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	240.	240.	240.	219.	103.	103.	1145.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	3400.	5667.	5667.	5667.	2266.	0.	0.	0.	22667.
DEMAND, DOMESTIC		188.	152.	188.	227.	376.	490.	602.	602.	301.	263.	188.	188.	3765.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		188.	152.	188.	227.	3776.	6157.	6269.	6269.	2567.	263.	188.	188.	25432.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	3128.	1877.	0.	0.	0.	5005.

KELOWNA CR. WET YEAR (2020) HIGH GROWTH

Figure A.124

Date of Print-out:
Feb. 12 , 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2439.	2439.	2439.	2655.	4065.	4065.	3111.	396.	0.	114.	228.	342.	
CONTROL POINT	C													
STORAGE		336.	336.	336.	424.	560.	560.	487.	0.	0.	43.	86.	129.	
CONTROL POINT	2													
STORAGE		240.	240.	240.	284.	400.	400.	0.	0.	0.	23.	46.	69.	
CONTROL POINT	4													
STORAGE		334.	334.	334.	462.	1112.	1112.	795.	91.	0.	66.	132.	198.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	0.	140.	140.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		235.	304.	378.	259.	5883.	4233.	3143.	3521.	700.	108.	108.	108.	18980.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		92.	138.	173.	296.	2932.	1330.	80.	22.	22.	27.	49.	49.	5210.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		450.	627.	747.	1437.	10810.	3823.	397.	79.	79.	203.	260.	260.	19172.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	161.	161.	97.	0.	0.	419.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	231.	386.	386.	386.	154.	0.	0.	0.	1543.
DEMAND, DOMESTIC		15.	12.	15.	18.	30.	39.	48.	48.	24.	21.	15.	15.	300.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		15.	12.	15.	18.	261.	425.	434.	434.	178.	21.	15.	15.	1843.
FLOW, UPSTREAM		302.	384.	477.	536.	7446.	4953.	3380.	3589.	768.	176.	176.	176.	22363.
FLOW, DOWNSTREAM		287.	372.	462.	518.	7185.	4528.	2946.	3155.	590.	155.	161.	161.	20520.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	660.	1100.	1100.	1100.	440.	0.	0.	0.	4400.
DEMAND, DOMESTIC		27.	22.	27.	33.	54.	71.	87.	87.	43.	38.	27.	27.	543.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		27.	22.	27.	33.	714.	1171.	1187.	1187.	483.	38.	27.	27.	4943.
FLOW, UPSTREAM														
FLOW, DOWNSTREAM														
DEMAND, DEFICIENCY		(SAME	AS	UP 3)										
DEFICIENCY														
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	306.	510.	510.	510.	204.	0.	0.	0.	2040.
DEMAND, DOMESTIC		14.	11.	14.	16.	27.	35.	44.	44.	22.	19.	14.	14.	274.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		14.	11.	14.	16.	333.	545.	554.	554.	226.	19.	148	14.	2314.
FLOW, UPSTREAM		296.	384.	475.	563.	7376.	4612.	2983.	3164.	599.	164.	170.	170.	20956.
FLOW, DOWNSTREAM		255.	351.	434.	514.	6329.	2896.	1242.	1423.	0.	107.	129.	129.	13809.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	110.	0.	0.	0.	110.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	240.	193.	111.	111.	655.
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	200.	333.	333.	333.	133.	0.	0.	0.	1332.
DEMAND, DOMESTIC		27.	21.	27.	32.	53.	69.	85.	85.	43.	37.	27.	27.	533.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		27.	21.	27.	32.	253.	402.	418.	418.	176.	37.	27.	27.	1865.
FLOW, UPSTREAM		86.	110.	138.	108.	2047.	1506.	719.	818.	200.	43.	43.	43.	5851.
FLOW, DOWNSTREAM		59.	89.	111.	76.	1794.	1104.	301.	400.	24.	6.	16.	16.	3996.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	209.	348.	348.	348.	139.	0.	0.	0.	1392.
DEMAND, DOMESTIC		28.	23.	28.	34.	57.	74.	91.	91.	45.	40.	28.	28.	567.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		28.	23.	28.	34.	266.	422.	439.	439.	184.	40.	28.	28.	1959.
FLOW, UPSTREAM		98.	135.	169.	238.	2697.	1519.	439.	439.	63.	45.	55.	55.	5952.
FLOW, DOWNSTREAM		70.	112.	141.	204.	2431.	1097.	0.	0.	0.	5.	27.	27.	4114.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	121.	0.	0.	0.	121.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	826.	1376.	1376.	1376.	551.	0.	0.	0.	5505.
DEMAND, DOMESTIC		33.	26.	33.	39.	66.	85.	105.	105.	53.	46.	33.	33.	657.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		33.	26.	33.	39.	892.	1461.	1481.	1481.	604.	46.	33.	33.	6162.
FLOW, UPSTREAM		388.	537.	661.	1000.	10044.	4571.	1481.	1481.	58.	170.	214.	214.	20819.
FLOW, DOWNSTREAM		355.	511.	628.	961.	9152.	3110.	0.	0.	0.	124.	181.	181.	15203.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	546.	0.	0.	0.	545.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	240.	240.	240.	176.	59.	59.	1014.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	2432.	4053.	4053.	4053.	1621.	0.	0.	0.	16212.
DEMAND, DOMESTIC		144.	115.	144.	172.	287.	373.	460.	460.	230.	201.	144.	144.	2874.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		144.	115.	144.	172.	2719.	4426.	4513.	4513.	1851.	201.	144.	144.	19086.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	777.	0.	0.	0.	777.

KELOWNA CR. WET YR. (2020) MED. GROWTH

Figure A.125

Date of Print-out:
Feb. 16, 1973.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

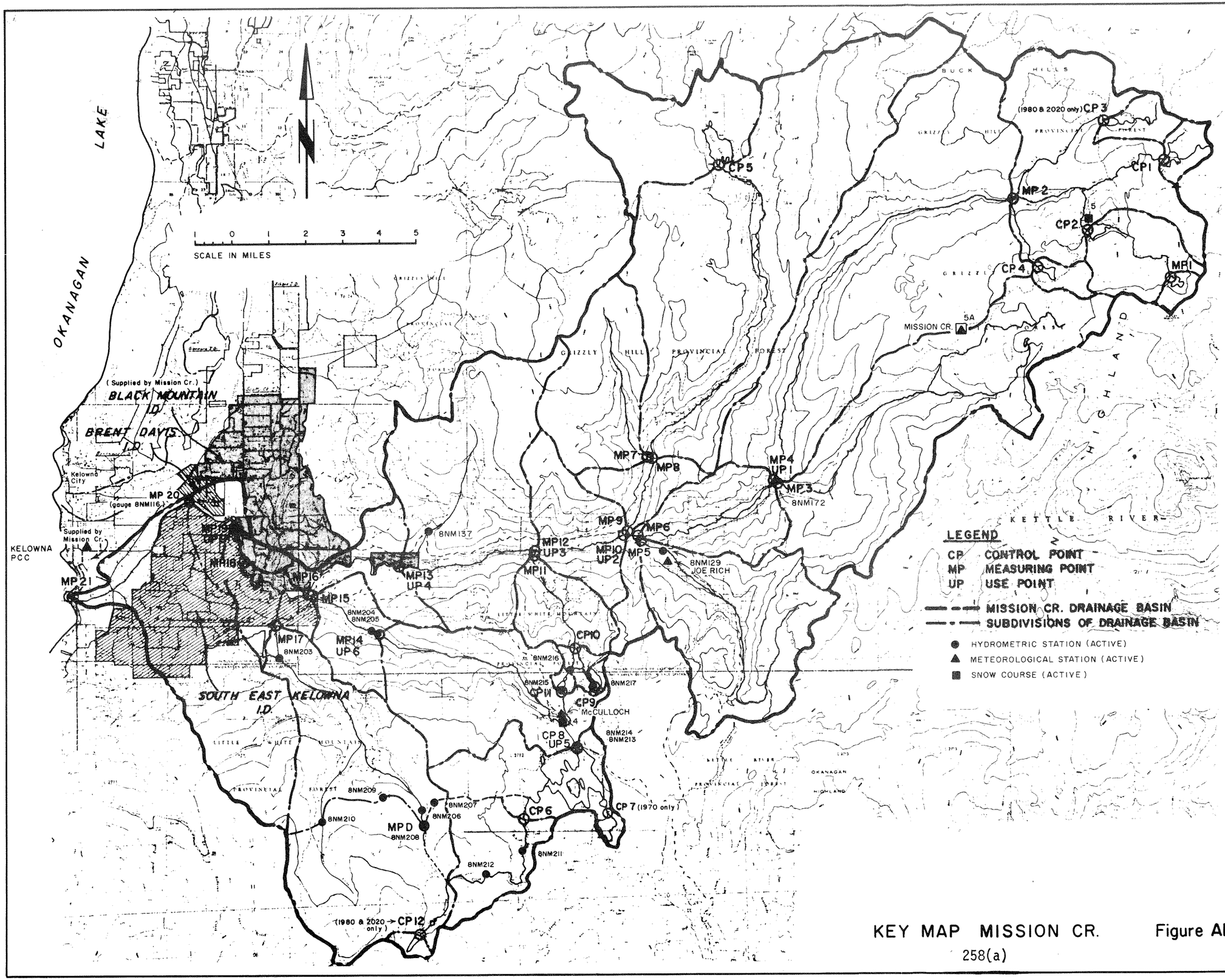
		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		2439.	2439.	2439.	2655.	4065.	4065.	3537.	2800.	2239.	2353.	2439.	2439.	
CONTROL POINT	C													
STORAGE		336.	336.	336.	424.	560.	560.	487.	0.	0.	43.	86.	129.	
CONTROL POINT	2													
STORAGE		240.	240.	240.	284.	400.	400.	348.	0.	0.	23.	46.	69.	
CONTROL POINT	4													
STORAGE		334.	334.	334.	462.	1112.	1112.	845.	191.	5.	71.	137.	203.	
CONTROL POINT	5													
STORAGE		0.	0.	0.	0.	140.	140.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	3													
FLOW		235.	304.	378.	259.	5883.	4233.	1941.	2319.	865.	108.	136.	222.	16883.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		112.	154.	193.	320.	2964.	1368.	80.	22.	22.	55.	69.	69.	5428.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	10													
FLOW		502.	668.	799.	1499.	11566.	5043.	397.	79.	79.	277.	340.	425.	21575.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	161.	23	0.	0.	345	
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	227.	378.	378.	378.	151.	0.	0.	0.	1512.
DEMAND, DOMESTIC		10.	8.	10.	12.	19.	25.	31.	31.	15.	13.	10.	10.	194.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		10.	8.	10.	12.	246.	403.	409.	409.	166.	13.	10.	10.	1706.
FLOW, UPSTREAM		302.	384.	477.	536.	7446.	4953.	2178.	2387.	933.	175.	204.	290.	20266.
FLOW, DOWNSTREAM		292.	376.	467.	524.	7200.	4550.	1769.	1978.	767.	163.	194.	280.	18560.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	629.	1048.	1048.	1048.	419.	0.	0.	0.	4192.
DEMAND, DOMESTIC		17.	14.	17.	21.	34.	45.	55.	55.	28.	24.	17.	17.	344.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		17.	14.	17.	21.	663.	1093.	1103.	1103.	447.	24.	17.	17.	4535.
FLOW, UPSTREAM														
FLOW, DOWNSTREAM														
DEMAND, DEFICIENCY		(SAME AS UP 3)												
DEFICIENCY														
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	295.	492.	492.	492.	197.	0.	0.	0.	1968.
DEMAND, DOMESTIC		9.	7.	9.	10.	17.	22.	28.	28.	14.	12.	9.	9.	174.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		9.	7.	9.	10.	312.	514.	520.	520.	211.	12.	9.	9.	2142.
FLOW, UPSTREAM		301.	388.	480.	569.	7391.	4634.	1806.	1987.	776.	172.	203.	289.	18995.
FLOW, DOWNSTREAM		275.	367.	454.	538.	6416.	3027.	183.	364.	118.	136.	177.	263.	12318.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	57	0.	122	164	63	0.	406
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	204.	340.	340.	340.	136.	0.	0.	0.	1350.
DEMAND, DOMESTIC		17.	14.	17.	20.	34.	44.	54.	54.	27.	24.	17.	17.	339.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		17.	14.	17.	20.	238.	384.	394.	394.	163.	24.	17.	17.	1699.
FLOW, UPSTREAM		85.	110.	138.	108.	2047.	1506.	669.	768.	295.	43.	43.	43.	5856.
FLOW, DOWNSTREAM		69.	96.	121.	88.	1809.	1122.	275.	374.	132.	19.	26.	26.	4157.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	213.	355.	355.	355.	142.	0.	0.	0.	1420.
DEMAND, DOMESTIC		18.	14.	18.	22.	36.	47.	58.	58.	29.	25.	18.	18.	351.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		18.	14.	18.	22.	249.	402.	413.	413.	171.	25.	18.	18.	1781.
FLOW, UPSTREAM		108.	142.	179.	250.	2712.	1537.	413.	413.	171.	58.	65.	55.	6113.
FLOW, DOWNSTREAM		90.	128.	161.	228.	2463.	1135.	0.	0.	0.	33.	47.	47.	4332.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	213.	355.	355.	355.	142.	0.	0.	0.	1420.
DEMAND, DOMESTIC		21.	17.	21.	25.	42.	55.	67.	67.	34.	29.	21.	21.	420.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		21.	17.	21.	25.	255.	410.	422.	422.	176.	29.	21.	21.	1840.
FLOW, UPSTREAM		428.	569.	701.	1048.	10163.	4740.	422.	422.	176.	227.	282.	368.	19546.
FLOW, DOWNSTREAM		407.	552.	680.	1023.	9908.	4330.	0.	0.	0.	198.	261.	347.	17706.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	240	240	240	102	0.	0.	822
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	1781.	2968.	2968.	2968.	1187.	0.	0.	0.	11872.
DEMAND, DOMESTIC		92.	74.	92.	110.	182.	238.	293.	293.	147.	127.	92.	92.	1832.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		92.	74.	92.	110.	1963.	3206.	3261.	3261.	1334.	127.	92.	92.	13704.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

KELOWNA CR. WET YR. (2020) LOW GROWTH

Figure A.126

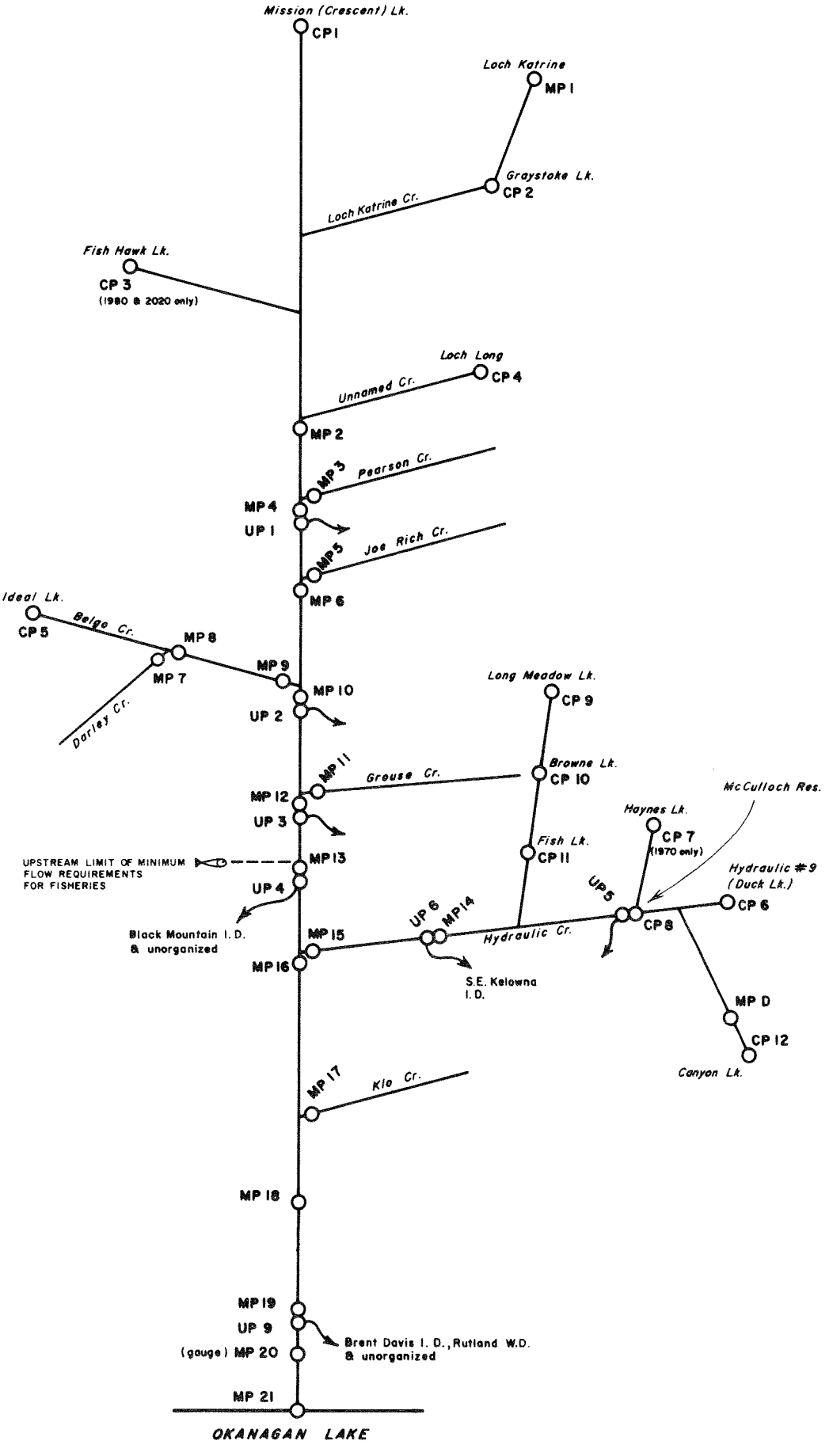
APPENDIX A-9

MISSION CREEK DATA



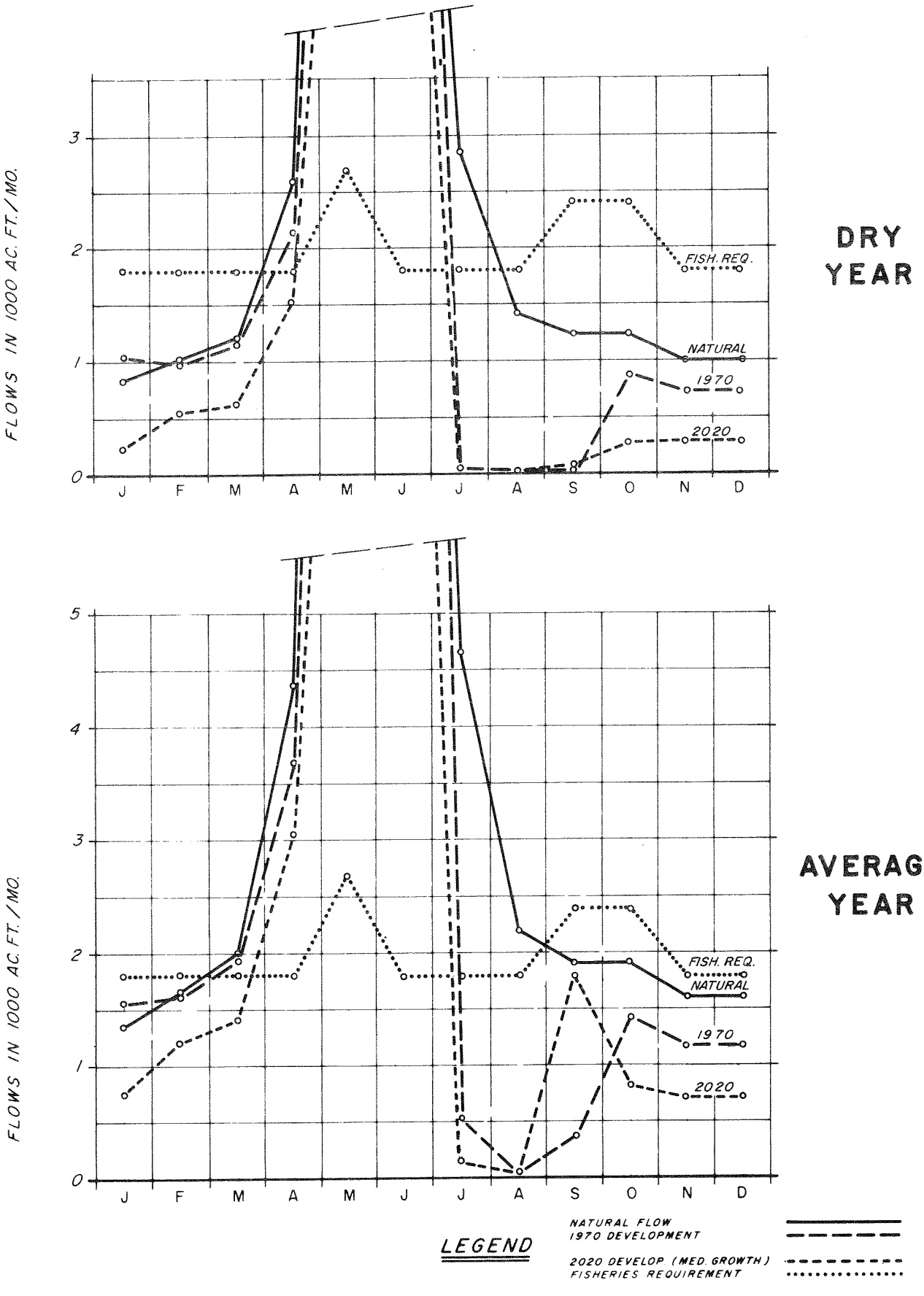
KEY MAP MISSION CR. Figure A127

258(a)



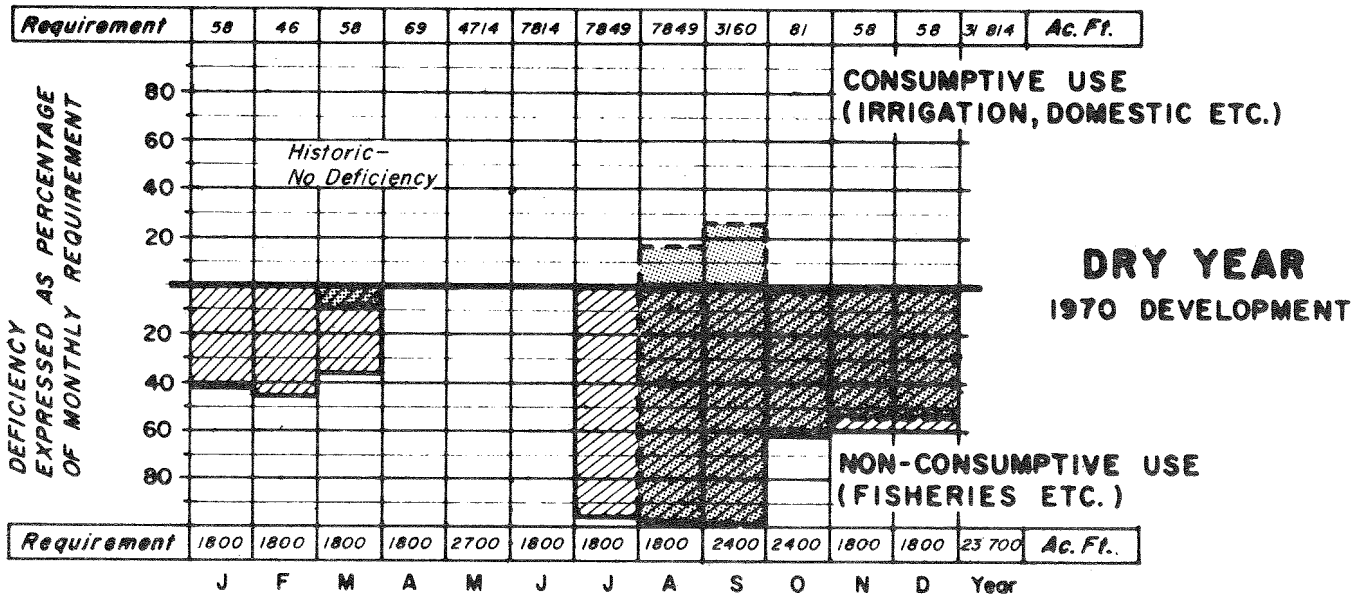
MISSION CR. SCHEMATIC

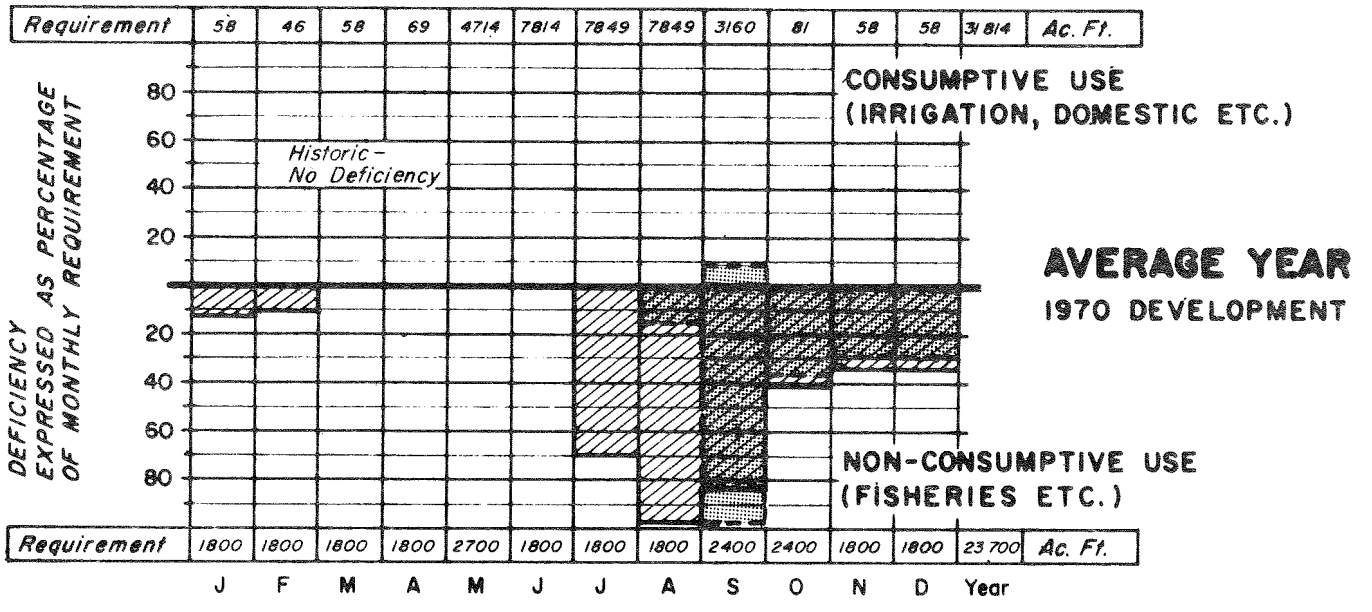
Figure A.128



MISSION CR. (MP 21)
HYDROGRAPHS OF FLOWS AT MOUTH

Figure A.129

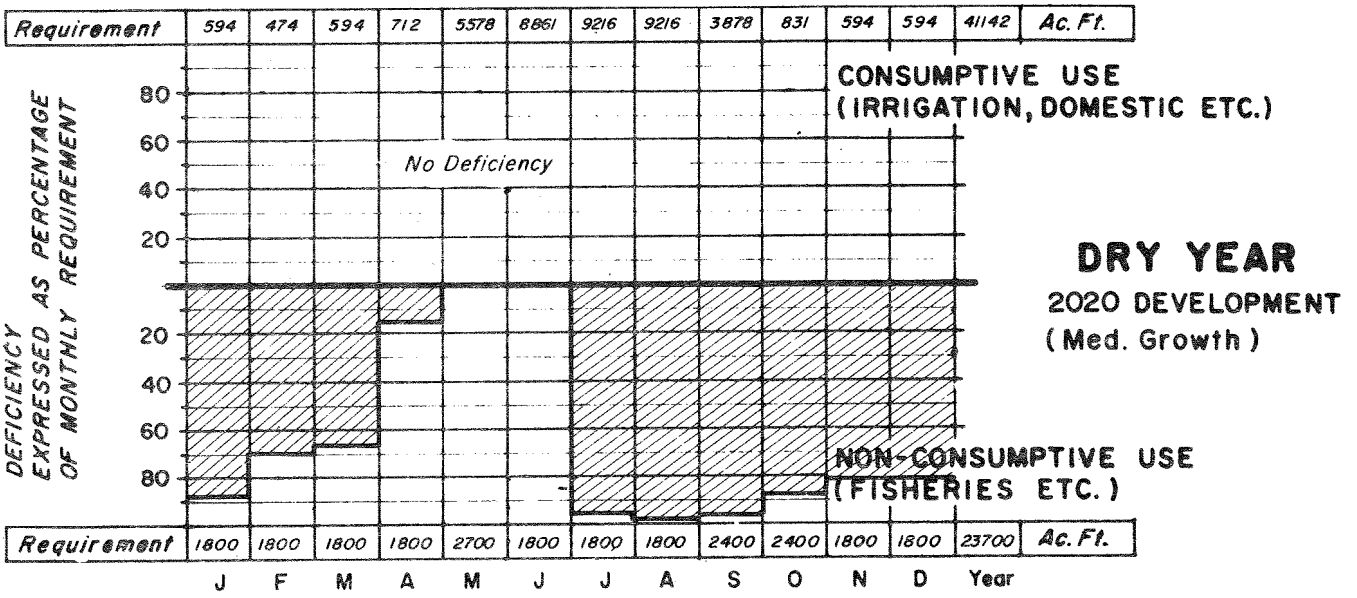


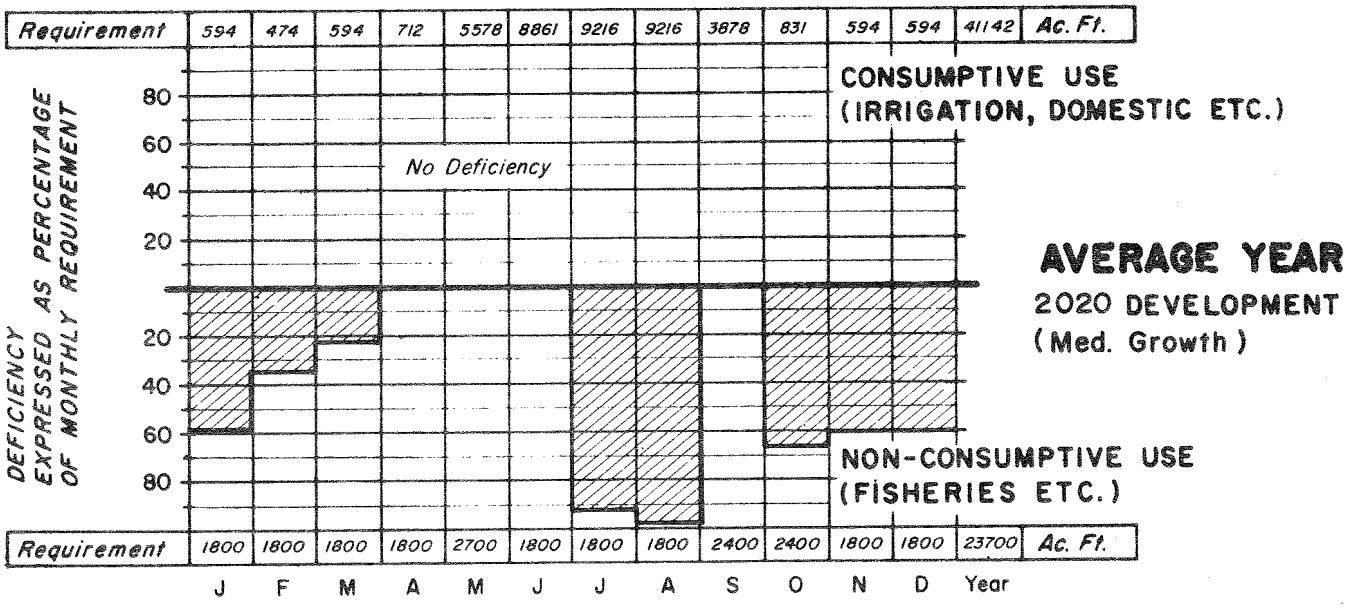


LEGEND Historic (Simulated) Operation
Modified (Simulated) Operation

NOTES: 1. Consumptive Use deficiencies are totals for whole basin.
2. Non-Consumptive deficiencies are those extant at creek mouth.
3. In a Wet Year, a fisheries deficiency of $^{1400\ (Hist)}/_{0\ (Mod)}$ ac. ft. exists at mouth in August.

MISSION CR. (1970) DEFICIENCY DIAGRAM Figure A.130





LEGEND ////// Historic (Simulated) Operation

NOTES:
1. Consumptive Use deficiencies are totals for whole basin.
2. Non-Consumptive deficiencies are those extant at creek mouth.
3. In a Wet Year, a fisheries deficiency exists at mouth of 601 ac.ft. in Aug. & 283 ac.ft. in Oct.

MISSION CR. (2020) DEFICIENCY DIAGRAM Figure A.131

Date Of Print-out:
Dec. 7, 1972

FLOWS IN AC. FT.

LOCATION	AREA IN K.AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR
CPDA 1	1.0	0.	0.	0.	6.	669.	550.	6.	6.	6.	6.	0.	0.	1250.
MPDA 1	0.5	0.	0.	0.	1.	398.	335.	1.	1.	1.	1.	0.	0.	740.
CPDA 2	4.0	2.	2.	2.	24.	2730.	2241.	26.	24.	22.	22.	2.	2.	5100.
CPDA 3	1.2	1.	1.	1.	9.	766.	620.	10.	9.	8.	8.	1.	1.	1435.
CPDA 4	0.8	0.	0.	0.	5.	535.	440.	5.	5.	5.	5.	0.	0.	1000.
MPDA 2	18.9	36.	38.	38.	173.	11299.	8935.	209.	171.	137.	137.	38.	38.	21247.
MPDA 3	18.0	75.	92.	106.	240.	5975.	4183.	273.	152.	124.	124.	90.	90.	11525.
MPDA 4	63.9	232.	279.	311.	784.	26146.	19199.	923.	578.	462.	462.	275.	275.	49926.
MPDA 5	9.8	39.	47.	61.	129.	1078.	532.	123.	45.	45.	45.	45.	45.	2232.
MPDA 6	78.3	281.	338.	388.	954.	27474.	19847.	1081.	633.	517.	517.	330.	330.	52692.
CPDA 5	7.7	49.	68.	78.	127.	1939.	1097.	155.	77.	68.	68.	68.	68.	3881.
MPDA 7	7.0	40.	54.	62.	109.	1576.	894.	130.	63.	54.	54.	54.	54.	3143.
MPDA 8	43.0	230.	302.	358.	658.	10270.	6161.	754.	366.	321.	321.	300.	300.	20340.
MPDA 9	45.3	237.	310.	368.	681.	10447.	6268.	775.	373.	328.	328.	307.	307.	20711.
MPDA 10	125.1	524.	654.	765.	1653.	38072.	26168.	1874.	1013.	852.	852.	644.	644.	73714.
MPDA 11	3.2	10.	12.	16.	39.	252.	117.	34.	11.	11.	11.	11.	11.	533.
MPDA 12	133.1	547.	682.	802.	1737.	38687.	26465.	1951.	1038.	877.	877.	670.	670.	75004.
MPDA 13	147.7	596.	741.	877.	1902.	40056.	27149.	2107.	1095.	933.	933.	725.	725.	77838.
CPDA 6	9.1	55.	73.	85.	148.	2130.	1205.	176.	85.	73.	73.	73.	73.	4247.
CPDA 7	0.4	2.	2.	3.	6.	48.	22.	6.	2.	2.	2.	2.	2.	100.
CPDA 8	13.7	78.	97.	121.	223.	2725.	1490.	247.	110.	97.	97.	97.	97.	5480.
CPDA 9	0.2	1.	1.	1.	3.	24.	11.	3.	1.	1.	1.	1.	1.	50.
CPDA 10	0.7	3.	3.	5.	11.	84.	39.	10.	3.	3.	3.	3.	3.	175.
CPDA 11	0.9	4.	4.	7.	15.	108.	51.	13.	4.	4.	4.	4.	4.	225.
MPDA 14	22.4	113.	134.	173.	346.	3552.	1874.	356.	144.	132.	132.	132.	132.	7221.
MPDA 15	25.1	116.	137.	177.	358.	3615.	1901.	366.	147.	135.	135.	135.	135.	7357.
MPDA 16	176.3	714.	881.	1058.	2271.	43722.	29073.	2483.	1245.	1070.	1070.	862.	862.	85310.
CPDA 12	0.4	1.	1.	1.	5.	213.	160.	6.	5.	3.	3.	1.	1.	402.
MPDA 17	19.4	88.	114.	131.	256.	5226.	3421.	301.	161.	134.	134.	112.	112.	10189.
MPDA 18	197.0	801.	995.	1188.	2527.	48948.	32494.	2784.	1405.	1204.	1204.	975.	975.	95500.
MPDA 19	198.0	801.	995.	1188.	2527.	48948.	32494.	2784.	1405.	1204.	1204.	975.	975.	95500.
MPDA 20	199.5	801.	995.	1188.	2527.	48948.	32494.	2784.	1405.	1204.	1204.	975.	975.	95500.
MPDA 21	214.0	820.	1020.	1217.	2588.	49641.	32881.	2848.	1433.	1228.	1228.	999.	999.	96902.

353545

353546

MISSION CR. DRY YEAR (NATURAL FLOW) Figure A.132

Date of Printout:
Sept. 11, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	0.	550.	402.	198.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	0.	2107.	1412.	695.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	0.	400.	268.	132.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		2737.	2737.	2737.	2737.	4676.	5475.	3495.	1826.	1735.	1803.	1871.	1939.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	69.	231.	155.	76.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		2531.	2531.	2531.	2939.	8436.	8436.	6385.	2531.	1938.	2130.	2300.	2470.	
CONTROL POINT	9													
STORAGE		0.	0.	0.	0.	24.	35.	38.	39.	0.	0.	0.	0.	
CONTROL POINT	10													
STORAGE		0.	0.	0.	0.	60.	88.	95.	97.	0.	0.	0.	0.	
CONTROL POINT	11													
STORAGE		0.	0.	0.	0.	24.	35.	38.	39.	0.	0.	0.	0.	
CONTROL POINT	12													
STORAGE		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	2													
FLOW		36.	38.	38.	172.	11299.	5878.	1183.	1226.	1161.	136.	63.	63.	21294.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		281.	338.	388.	954.	27326.	16543.	1808.	1442.	1442.	516.	356.	356.	51751.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		231.	302.	368.	658.	8331.	5363.	2734.	2036.	412.	253.	232.	232.	21140.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		238.	310.	368.	681.	8509.	5450.	2755.	2043.	419.	260.	239.	239.	21509.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	15													
FLOW		164.	204.	247.	127.	637.	2008.	10.	1527.	3.	29.	31.	31.	5018.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	16													
FLOW		739.	930.	1104.	2013.	36511.	21518.	1259.	1529.	514.	862.	692.	692.	68362.
DEFICIENCY (FISH)		1061.	870.	696.	0.	0.	0.	541.	271.	1886.	1538.	1108.	1108.	9079.
MEASURING POINT	18													
FLOW		771.	969.	1155.	2112.	37444.	21988.	1358.	1567.	552.	900.	730.	730.	70275.
DEFICIENCY (FISH)		1029.	831.	645.	0.	0.	0.	442.	233.	1848.	1500.	1070.	1070.	8668.
MEASURING POINT	20													
FLOW		742.	946.	1126.	2077.	36627.	20648.	0.	209.	0.	859.	701.	701.	64635.
DEFICIENCY (FISH)		1058.	854.	674.	0.	0.	0.	1800.	1591.	2400.	1541.	1099.	1099.	12116.
MEASURING POINT	21													
FLOW		761.	971.	1155.	2138.	37321.	21034.	64.	237.	24.	883.	725.	725.	66037.
DEFICIENCY (FISH)		1039.	829.	645.	0.	0.	0.	1736.	1563.	2376.	1517.	1075.	1075.	11855.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
FLOW, UPSTREAM		232.	279.	311.	784.	26146.	16142.	1897.	1633.	1485.	460.	300.	300.	49970.
FLOW, DOWNSTREAM		232.	279.	311.	784.	25998.	15895.	1650.	1386.	1386.	460.	300.	300.	48982.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
FLOW, UPSTREAM		525.	654.	765.	1653.	35985.	22066.	4581.	3491.	1867.	782.	601.	601.	73571.
FLOW, DOWNSTREAM		525.	654.	765.	1653.	35961.	22030.	4545.	3455.	1852.	782.	601.	601.	73426.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	42.	70.	70.	70.	28.	0.	0.	0.	280.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	42.	70.	70.	70.	28.	0.	0.	0.	280.
FLOW, UPSTREAM		548.	682.	802.	1737.	36579.	22327.	4621.	3481.	1878.	808.	527.	627.	74717.
FLOW, DOWNSTREAM		548.	682.	802.	1737.	36537.	22257.	4551.	3411.	1850.	808.	627.	627.	74437.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	2037.	3395.	3395.	3395.	1359.	0.	0.	0.	13581.
DEMAND, DOMESTIC		23.	18.	23.	27.	46.	59.	73.	73.	37.	32.	23.	23.	457.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		23.	18.	23.	27.	2083.	3454.	3468.	3468.	1396.	32.	23.	23.	14038.
FLOW, UPSTREAM		596.	741.	877.	1902.	37905.	22941.	4708.	3468.	1905.	863.	682.	682.	77270.
FLOW, DOWNSTREAM		573.	723.	854.	1875.	35822.	19487.	1240.	0.	509.	831.	659.	659.	63232.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		1227.	1077.	946.	0.	0.	0.	560.	1800.	1891.	1569.	1141.	1141.	11352.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
FLOW, UPSTREAM		133.	170.	198.	0.	1457.	4314.	2574.	4164.	861.	0.	0.	0.	13871.
FLOW, DOWNSTREAM		133.	170.	198.	0.	1424.	4260.	2520.	4110.	839.	0.	0.	0.	13654.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	1557.	2596.	2596.	2596.	1038.	0.	0.	0.	10383.
DEMAND, DOMESTIC		0.	5.	6.	7.	12.	17.	20.	20.	10.	8.	6.	6.	123.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	5.	6.	7.	1569.	2613.	2616.	2616.	1048.	8.	6.	6.	10506.
FLOW, UPSTREAM		167.	206.	249.	122.	2143.	4593.	2616.	4140.	1048.	34.	34.	34.	15356.
FLOW, DOWNSTREAM		151.	201.	243.	115.	574.	1980.	0.	1524.	0.	26.	26.	26.	4880.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	759.	1265.	1265.	1265.	506.	0.	0.	0.	5060.
DEMAND, DOMESTIC		29.	23.	29.	35.	58.	75.	93.	93.	46.	41.	29.	29.	580.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		29.	23.	29.	35.	817.	1340.	1358.	1358.	552.	41.	29.	29.	5640.
FLOW, UPSTREAM		771.	969.	1155.	2112.	37444.	21988.	1358.	1567.	552.	900.	730.	730.	70275.
FLOW, DOWNSTREAM		742.	946.	1126.	2077.	36627.	20648.	0.	209.	0.	859.	701.	701.	64635.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		1058.	854.	674.	0.	0.	0.	1800.	1591.	2400.	1541.	1099.	1099.	12116.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	4598.	7663.	7663.	7663.	3067.	0.	0.	0.	30654.
DEMAND, DOMESTIC		58.	46.	58.	69.	116.	151.	186.	186.	93.	81.	58.	58.	1160.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		58.	46.	58.	69.	4714.	7814.	7849.	7849.	3160.	81.	58.	58.	31814.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

MISSION CR. DRY YEAR (1970) Figure A.133

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	0.	550.	402.	198.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	0.	2241.	2267.	1353.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	0.	620.	630.	561.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	0.	440.	445.	330.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		2737.	2737.	2737.	2737.	4676.	5475.	2683.	0.	68.	136.	204.	272.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	600.	1708.	1340.	660.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		3585.	3585.	3585.	3897.	7183.	4364.	0.	0.	0.	7.	54.	101.	
CONTROL POINT	9													
STORAGE		0.	0.	0.	0.	24.	35.	38.	39.	0.	0.	0.	0.	
CONTROL POINT	10													
STORAGE		0.	0.	0.	0.	60.	88.	95.	97.	0.	0.	0.	0.	
CONTROL POINT	11													
STORAGE		0.	0.	0.	0.	24.	35.	38.	39.	0.	0.	0.	0.	
CONTROL POINT	12													
STORAGE		46.	46.	46.	46.	46.	206.	212.	131.	46.	46.	46.	46.	
MEASURING POINT	2													
FLOW		36.	38.	38.	172.	11299.	5084.	315.	1472.	2578.	136.	63.	63.	21294.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		281.	338.	388.	954.	27326.	15749.	940.	1688.	2859.	516.	356.	356.	51751.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		231.	302.	358.	658.	8131.	5363.	3546.	3049.	253.	253.	232.	232.	22807.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		238.	310.	368.	681.	8509.	5450.	3567.	3056.	260.	260.	239.	239.	23176.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	15													
FLOW		13.	84.	96.	12.	63.	28.	10.	3.	3.	3.	3.	3.	321.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	16													
FLOW		304.	582.	669.	1556.	36029.	19106.	1395.	1456.	1759.	438.	380.	380.	64053.
DEFICIENCY (FISH)		1496.	1218.	1131.	244.	0.	0.	405.	344.	641.	1962.	1420.	1420.	10281.
MEASURING POINT	18													
FLOW		336.	621.	720.	1655.	36962.	19576.	1494.	1494.	1797.	476.	418.	418.	65966.
DEFICIENCY (FISH)		1464.	1179.	1080.	145.	0.	0.	306.	306.	603.	1924.	1382.	1382.	9771.
MEASURING POINT	20													
FLOW		105.	436.	489.	1378.	36047.	18220.	0.	0.	1126.	153.	187.	187.	58327.
DEFICIENCY (FISH)		1695.	1364.	1311.	422.	0.	0.	1800.	1800.	1274.	2247.	1613.	1613.	15139.
MEASURING POINT	21													
FLOW		124.	461.	518.	1439.	36741.	18606.	44.	28.	1150.	177.	211.	211.	59729.
DEFICIENCY (FISH)		1676.	1339.	1282.	361.	0.	0.	1736.	1772.	1250.	2223.	1589.	1589.	14817.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
FLOW, UPSTREAM		232.	279.	311.	784.	26146.	15348.	1029.	1879.	2902.	460.	300.	300.	49970.
FLOW, DOWNSTREAM		232.	279.	311.	784.	25998.	15101.	782.	1632.	2803.	460.	300.	300.	48982.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
FLOW, UPSTREAM		525.	654.	765.	1653.	35985.	21272.	4525.	4750.	3125.	782.	601.	601.	75237.
FLOW, DOWNSTREAM		523.	654.	765.	1653.	35963.	21236.	4489.	4714.	3110.	782.	601.	601.	75092.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	120.	200.	200.	200.	80.	0.	0.	0.	800.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	120.	200.	200.	200.	80.	0.	0.	0.	800.
FLOW, UPSTREAM		548.	682.	802.	1737.	36579.	21533.	4565.	4760.	3136.	808.	627.	627.	76383.
FLOW, DOWNSTREAM		548.	682.	802.	1737.	36459.	21333.	4365.	4560.	3056.	808.	627.	627.	75563.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1298.	2163.	2163.	2163.	865.	0.	0.	0.	8652.
DEMAND, DOMESTIC		307.	246.	307.	369.	615.	799.	983.	983.	492.	430.	307.	307.	6149.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		307.	246.	307.	369.	1913.	2962.	3146.	3146.	1357.	430.	307.	307.	14797.
FLOW, UPSTREAM		596.	741.	877.	1902.	37827.	22017.	4522.	4597.	3117.	863.	682.	682.	78416.
FLOW, DOWNSTREAM		289.	495.	570.	1533.	35914.	19055.	1376.	1451.	1754.	433.	375.	375.	63619.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		1511.	1305.	1230.	267.	0.	0.	424.	349.	646.	1967.	1425.	1425.	10549.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
FLOW, UPSTREAM		133.	170.	198.	66.	3167.	6027.	5173.	992.	937.	185.	123.	123.	17294.
FLOW, DOWNSTREAM		133.	170.	198.	66.	3134.	5973.	5119.	938.	915.	185.	123.	123.	17077.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	3539.	5898.	5898.	5898.	2359.	0.	0.	0.	23592.
DEMAND, DOMESTIC		157.	125.	157.	188.	314.	408.	502.	502.	251.	219.	157.	157.	3137.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		157.	125.	157.	188.	3853.	6306.	6400.	6400.	2610.	219.	157.	157.	26729.
FLOW, UPSTREAM		167.	206.	249.	188.	3853.	6306.	5215.	968.	1124.	219.	157.	157.	18609.
FLOW, DOWNSTREAM		13.	81.	92.	0.	0.	0.	0.	94.	94.	0.	0.	0.	1264.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	1185.	5432.	1486.	0.	0.	0.	8103.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	454.	756.	756.	756.	302.	0.	0.	0.	3024.
DEMAND, DOMESTIC		231.	185.	231.	277.	461.	600.	738.	738.	369.	323.	231.	231.	4615.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		231.	185.	231.	277.	915.	1356.	1494.	1494.	671.	323.	231.	231.	7639.
FLOW, UPSTREAM		336.	621.	720.	1655.	36962.	19576.	1494.	1494.	1797.	476.	418.	418.	65966.
FLOW, DOWNSTREAM		105.	436.	489.	1378.	36047.	18220.	0.	0.	1126.	153.	187.	187.	58327.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		1695.	1364.	1311.	422.	0.	0.	1800.	1800.	1274.	2247.	1613.	1613.	15139.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	5614.	9354.	9354.	9354.	3742.	0.	0.	0.	37418.
DEMAND, DOMESTIC		695.	556.	695.	834.	1390.	1807.	2223.	2223.	1112.	972.	695.	695.	13897.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		695.	556.	695.	834.	7004.	11161.	11577.	11577.	4854.	972.	695.	695.	51315.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	1185.	9432.	1486.	0.	0.	0.	8103.

MISSION CR. DRY YR. (2020) HIGH GROWTH

Figure A.134

Date of Print out:
Sept. 6, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	0.	550.	402.	198.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	0.	2241.	2267.	1020.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	0.	620.	630.	0.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	0.	440.	445.	330.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		2737.	2737.	2737.	2737.	4676.	5475.	2187.	0.	68.	136.	204.	272.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	600.	1708.	1340.	660.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		3585.	3385.	3585.	3924.	8926.	8950.	6258.	3585.	3249.	3288.	3358.	3428.	
CONTROL POINT	9													
STORAGE		0.	0.	0.	0.	24.	35.	38.	39.	0.	0.	0.	0.	
CONTROL POINT	10													
STORAGE		0.	0.	0.	0.	60.	88.	95.	97.	0.	0.	0.	0.	
CONTROL POINT	11													
STORAGE		0.	0.	0.	0.	24.	35.	38.	39.	0.	0.	0.	0.	
CONTROL POINT	12													
STORAGE		46.	46.	46.	46.	46.	206.	212.	131.	46.	46.	46.	46.	
MEASURING POINT	2													
FLOW		36.	38.	38.	172.	11299.	5084.	315.	2366.	1684.	136.	63.	63.	21294.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		281.	338.	388.	954.	27326.	15749.	940.	2582.	1965.	516.	356.	356.	51751.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		231.	302.	358.	658.	8331.	5363.	4042.	2553.	253.	253.	232.	232.	22807.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		238.	310.	368.	681.	8509.	5450.	4063.	2560.	260.	260.	239.	239.	23176.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	15													
FLOW		36.	102.	119.	12.	63.	28.	10.	101.	3.	3.	3.	3.	483.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	16													
FLOW		371.	636.	736.	1610.	35899.	18853.	1665.	1726.	789.	500.	424.	424.	63632.
DEFICIENCY (FISH)		1429.	1164.	1064.	190.	0.	0.	135.	74.	1611.	1900.	1376.	1376.	10319.
MEASURING POINT	18													
FLOW		403.	675.	787.	1709.	36832.	19323.	1764.	1764.	827.	538.	462.	462.	65545.
DEFICIENCY (FISH)		1397.	1125.	1013.	91.	0.	0.	36.	36.	1573.	1862.	1338.	1338.	9809.
MEASURING POINT	20													
FLOW		206.	518.	590.	1473.	35757.	17677.	0.	0.	58.	262.	265.	265.	57070.
DEFICIENCY (FISH)		1594.	1282.	1210.	327.	0.	0.	1800.	1800.	2342.	2138.	1535.	1535.	15563.
MEASURING POINT	21													
FLOW		225.	543.	619.	1534.	36451.	18063.	64.	28.	82.	286.	289.	289.	58872.
DEFICIENCY (FISH)		1575.	1257.	1181.	266.	0.	0.	1736.	1772.	2318.	2114.	1511.	1511.	15241.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
FLOW, UPSTREAM		232.	279.	311.	784.	26146.	15348.	1029.	2773.	2008.	460.	300.	300.	49970.
FLOW, DOWNSTREAM		232.	279.	311.	784.	25998.	15101.	782.	2526.	1909.	460.	300.	300.	48982.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
FLOW, UPSTREAM		529.	654.	765.	1653.	35985.	21272.	5021.	5148.	2231.	782.	601.	601.	75237.
FLOW, DOWNSTREAM		525.	654.	765.	1653.	35963.	21236.	4985.	5112.	2216.	782.	601.	601.	75092.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	45.	76.	76.	76.	30.	0.	0.	0.	303.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	45.	76.	76.	76.	30.	0.	0.	0.	303.
FLOW, UPSTREAM		548.	682.	802.	1737.	36579.	21533.	5061.	5138.	2242.	808.	627.	627.	76383.
FLOW, DOWNSTREAM		548.	682.	802.	1737.	36534.	21457.	4985.	5062.	2212.	808.	627.	627.	76080.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1593.	2656.	2656.	2656.	1063.	0.	0.	0.	10624.
DEMAND, DOMESTIC		263.	210.	263.	315.	525.	683.	840.	840.	420.	368.	263.	263.	5253.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		263.	210.	263.	315.	2118.	3339.	3496.	3496.	1483.	368.	263.	263.	15877.
FLOW, UPSTREAM		596.	741.	877.	1902.	37902.	22141.	5142.	5119.	2267.	863.	682.	682.	78913.
FLOW, DOWNSTREAM		333.	531.	614.	1587.	35784.	18802.	1646.	1623.	784.	495.	419.	419.	63036.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		1467.	1269.	1186.	213.	0.	0.	154.	177.	1616.	1905.	1381.	1381.	10749.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
FLOW, UPSTREAM		133.	170.	198.	39.	1451.	3188.	3501.	3665.	1273.	153.	100.	100.	13967.
FLOW, DOWNSTREAM		133.	170.	198.	39.	1418.	3130.	3447.	3611.	1251.	153.	100.	100.	13750.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	1869.	3115.	3115.	3115.	1246.	0.	0.	0.	12460.
DEMAND, DOMESTIC		134.	107.	134.	161.	268.	348.	428.	428.	214.	187.	134.	134.	2677.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		134.	107.	134.	161.	2137.	3463.	3543.	3543.	1460.	187.	134.	134.	15137.
FLOW, UPSTREAM		167.	206.	249.	161.	2137.	3463.	3543.	3641.	1460.	187.	134.	134.	15482.
FLOW, DOWNSTREAM		33.	99.	115.	0.	0.	0.	0.	98.	0.	0.	0.	0.	345.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	681.	1134.	1134.	1134.	454.	0.	0.	0.	4537.
DEMAND, DOMESTIC		197.	157.	197.	236.	394.	512.	630.	630.	315.	276.	197.	197.	3938.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		197.	157.	197.	236.	1075.	1646.	1764.	1764.	769.	276.	197.	197.	8475.
FLOW, UPSTREAM		403.	675.	787.	1709.	36832.	19323.	1764.	1764.	827.	538.	462.	462.	65545.
FLOW, DOWNSTREAM		206.	518.	590.	1473.	35757.	17677.	0.	0.	58.	262.	265.	265.	57070.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		1594.	1282.	1210.	327.	0.	0.	1800.	1800.	2342.	2138.	1535.	1535.	15563.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	4391.	7310.	7310.	7310.	2929.	0.	0.	0.	29274.
DEMAND, DOMESTIC		596.	474.	594.	712.	1187.	1543.	1898.	1898.	949.	831.	594.	594.	11868.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		596.	474.	594.	712.	5578.	8861.	9216.	9216.	3878.	831.	594.	594.	41142.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

MISSION CR. DRY YR. (2020) MED. GROWTH Figure A.135

Date of Print out:
Sept. 10, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	0.	550.	402.	198.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	0.	2241.	2267.	1650.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	0.	620.	630.	561.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	0.	440.	445.	330.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		2737.	2737.	2737.	2737.	4676.	5475.	2391.	497.	565.	633.	701.	769.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	600.	1708.	1340.	660.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		3585.	3585.	3585.	3954.	9582.	10629.	8975.	3585.	3585.	3585.	3585.	3585.	
CONTROL POINT	9													
STORAGE		0.	0.	0.	0.	24.	35.	38.	39.	0.	0.	0.	0.	
CONTROL POINT	10													
STORAGE		0.	0.	0.	0.	60.	88.	95.	97.	0.	0.	0.	0.	
CONTROL POINT	11													
STORAGE		0.	0.	0.	0.	24.	35.	38.	39.	0.	0.	0.	0.	
CONTROL POINT	12													
STORAGE		46.	46.	46.	46.	46.	206.	212.	131.	46.	46.	46.	46.	
MEASURING POINT	2													
FLOW		38.	38.	38.	172.	11299.	5084.	315.	1175.	2875.	136.	63.	63.	21294.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		281.	338.	388.	954.	27326.	15749.	940.	1391.	3156.	516.	356.	356.	51751.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		231.	302.	358.	658.	8131.	5363.	3839.	2260.	253.	253.	232.	232.	22310.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		238.	310.	368.	681.	8509.	5450.	3859.	2267.	260.	260.	239.	239.	22679.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	15													
FLOW		61.	122.	144.	12.	63.	28.	10.	3856.	90.	76.	98.	98.	4658.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	16													
FLOW		446.	695.	811.	1669.	35918.	18685.	1322.	3858.	2028.	642.	569.	569.	67111.
DEFICIENCY (FISH)		1354.	1105.	989.	131.	0.	0.	478.	0.	372.	1758.	1231.	1231.	8649.
MEASURING POINT	18													
FLOW		478.	734.	862.	1768.	36751.	19155.	1421.	3896.	2066.	680.	607.	607.	69024.
DEFICIENCY (FISH)		1322.	1066.	938.	32.	0.	0.	379.	0.	334.	1720.	1193.	1193.	8177.
MEASURING POINT	20													
FLOW		317.	605.	701.	1575.	35886.	17830.	0.	2475.	1446.	455.	446.	446.	62181.
DEFICIENCY (FISH)		1483.	1195.	1099.	225.	0.	0.	1800.	0.	954.	1945.	1354.	1354.	11409.
MEASURING POINT	21													
FLOW		336.	630.	730.	1636.	36580.	18216.	64.	2503.	1470.	479.	470.	470.	63583.
DEFICIENCY (FISH)		1464.	1170.	1070.	164.	0.	0.	1736.	0.	930.	1921.	1330.	1330.	11115.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
FLOW, UPSTREAM		232.	279.	311.	784.	26146.	15348.	1029.	1582.	3199.	460.	300.	300.	49970.
FLOW, DOWNSTREAM		232.	279.	311.	784.	25998.	15101.	782.	1335.	3100.	460.	300.	300.	48982.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
FLOW, UPSTREAM		525.	654.	765.	1653.	35985.	21272.	4817.	3664.	3422.	782.	601.	601.	74740.
FLOW, DOWNSTREAM		525.	654.	765.	1653.	35985.	21236.	4781.	3628.	3407.	782.	601.	601.	74595.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	42.	70.	70.	70.	28.	0.	0.	0.	280.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	42.	70.	70.	70.	28.	0.	0.	0.	280.
FLOW, UPSTREAM		548.	682.	802.	1737.	36579.	21533.	4857.	3654.	3433.	808.	627.	627.	75868.
FLOW, DOWNSTREAM		548.	682.	802.	1737.	36537.	21463.	4787.	3584.	3405.	808.	627.	627.	75606.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1775.	2958.	2958.	2958.	1183.	0.	0.	0.	11832.
DEMAND, DOMESTIC		213.	171.	213.	256.	427.	568.	683.	683.	341.	213.	213.	213.	4267.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		213.	171.	213.	256.	2202.	3513.	3641.	3641.	1524.	299.	213.	213.	16099.
FLOW, UPSTREAM		596.	741.	877.	1902.	37905.	22147.	4944.	3641.	3460.	863.	682.	682.	78439.
FLOW, DOWNSTREAM		383.	570.	664.	1646.	35703.	18634.	1303.	0.	1938.	564.	469.	469.	62340.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		1417.	1230.	1136.	154.	0.	0.	497.	1800.	464.	1836.	1331.	1331.	11196.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
FLOW, UPSTREAM		133.	170.	198.	9.	825.	2161.	2463.	6382.	937.	192.	170.	170.	13810.
FLOW, DOWNSTREAM		133.	170.	198.	9.	792.	2107.	2409.	6328.	915.	192.	170.	170.	13593.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	1293.	2156.	2156.	2156.	862.	0.	0.	0.	8623.
DEMAND, DOMESTIC		109.	87.	109.	131.	218.	284.	349.	349.	175.	153.	109.	109.	2182.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		109.	87.	109.	131.	1511.	2440.	2505.	2505.	1037.	153.	109.	109.	10805.
FLOW, UPSTREAM		187.	206.	249.	131.	1511.	2440.	2505.	6358.	1124.	226.	204.	204.	15325.
FLOW, DOWNSTREAM		98.	119.	140.	0.	0.	0.	0.	3853.	87.	73.	95.	95.	4560.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	544.	907.	907.	907.	363.	0.	0.	0.	3628.
DEMAND, DOMESTIC		161.	129.	161.	193.	321.	418.	514.	514.	257.	225.	161.	161.	3215.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		161.	129.	161.	193.	865.	1325.	1421.	1421.	620.	225.	161.	161.	6843.
FLOW, UPSTREAM		478.	734.	862.	1768.	36751.	19155.	1421.	3896.	2066.	680.	607.	607.	69024.
FLOW, DOWNSTREAM		317.	605.	701.	1575.	35886.	17830.	0.	2475.	1446.	455.	446.	446.	62181.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		1483.	1195.	1099.	225.	0.	0.	1800.	0.	954.	1945.	1354.	1354.	11409.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	3857.	6486.	6486.	6486.	2574.	0.	0.	0.	86213.
DEMAND, DOMESTIC		483.	387.	483.	580.	966.	1257.	1546.	1546.	773.	677.	483.	483.	9664.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		483.	387.	483.	580.	4823.	7688.	7974.	7974.	3345.	677.	483.	483.	35377.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

MISSION CR. DRY YR. (2020) LOW GROWTH Figure A.136

Date Of Print-out:
Dec. 7, 1972

FLOWS IN AC. FT.

LOCATION	AREA IN K. AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR
CPDA 1	1.0	0.	0.	0.	8.	856.	704.	8.	8.	8.	8.	0.	0.	1600.
MPDA 1	0.5	0.	0.	0.	2.	492.	414.	2.	2.	2.	2.	0.	0.	915.
CPDA 2	4.0	3.	3.	3.	32.	3475.	2851.	34.	32.	29.	29.	3.	3.	6493.
CPDA 3	1.2	1.	1.	1.	12.	988.	800.	13.	12.	11.	11.	1.	1.	1852.
CPDA 4	0.8	0.	0.	0.	6.	685.	563.	6.	6.	6.	6.	0.	0.	1280.
MPDA 2	18.9	49.	52.	52.	231.	14734.	11625.	280.	228.	182.	182.	52.	52.	27717.
MPDA 3	18.0	118.	144.	169.	381.	8410.	5773.	423.	225.	186.	186.	141.	141.	16297.
MPDA 4	63.9	354.	426.	482.	1190.	35727.	25891.	1374.	826.	664.	664.	418.	418.	68435.
MPDA 5	9.8	69.	82.	107.	235.	1863.	912.	221.	78.	78.	78.	78.	78.	3877.
MPDA 6	78.3	443.	534.	621.	1511.	38081.	27029.	1668.	924.	763.	763.	517.	517.	73371.
CPDA 5	7.7	75.	104.	120.	195.	2957.	1668.	238.	118.	104.	104.	104.	104.	5891.
MPDA 7	7.0	62.	85.	98.	175.	2426.	1368.	204.	97.	84.	84.	84.	84.	4850.
MPDA 8	43.0	365.	477.	568.	1055.	15520.	9167.	1190.	563.	499.	490.	471.	471.	30846.
MPDA 9	45.3	377.	491.	587.	1100.	15840.	9321.	1231.	577.	512.	512.	484.	484.	31919.
MPDA 10	125.1	830.	1036.	1223.	2645.	54183.	36478.	2930.	1512.	1286.	1286.	1013.	1013.	105436.
MPDA 11	3.2	20.	22.	30.	76.	472.	218.	68.	20.	20.	20.	20.	20.	1005.
MPDA 12	133.1	875.	1089.	1291.	2810.	55308.	37014.	3078.	1560.	1334.	1334.	1060.	1060.	107813.
MPDA 13	147.7	963.	1196.	1427.	3125.	57716.	38202.	3370.	1660.	1433.	1433.	1159.	1159.	112841.
CPDA 6	9.1	85.	113.	133.	233.	3269.	1840.	274.	131.	113.	113.	113.	113.	6527.
CPDA 7	0.4	3.	3.	5.	11.	83.	39.	10.	3.	3.	3.	3.	3.	173.
CPDA 8	13.7	126.	155.	194.	362.	4285.	2325.	395.	173.	155.	155.	155.	155.	6633.
CPDA 9	0.2	2.	2.	3.	6.	42.	19.	5.	2.	2.	2.	2.	2.	87.
CPDA 10	0.7	6.	6.	9.	20.	146.	68.	18.	6.	6.	6.	6.	6.	303.
CPDA 11	0.9	8.	8.	12.	25.	187.	88.	23.	8.	8.	8.	8.	8.	390.
MPDA 14	22.4	189.	222.	289.	589.	5784.	3019.	596.	236.	218.	218.	218.	218.	11797.
MPDA 15	25.1	196.	231.	299.	623.	5939.	3087.	623.	243.	225.	225.	225.	225.	12140.
MPDA 16	176.3	1165.	1436.	1736.	3781.	63795.	41350.	4020.	1909.	1684.	1684.	1390.	1390.	125300.
CPDA 12	0.4	2.	2.	2.	6.	284.	214.	8.	6.	5.	5.	2.	2.	537.
MPDA 17	19.4	138.	178.	206.	408.	7587.	4876.	470.	242.	203.	203.	175.	175.	14881.
MPDA 18	197.0	1304.	1615.	1943.	4194.	71399.	46234.	4495.	2152.	1868.	1868.	1566.	1566.	140204.
MPDA 19	198.0	1305.	1616.	1944.	4199.	71413.	46239.	4498.	2153.	1869.	1869.	1567.	1567.	140238.
MPDA 20	199.5	1306.	1617.	1946.	4205.	71433.	46248.	4504.	2154.	1870.	1870.	1568.	1568.	140288.
MPDA 21	214.0	1347.	1669.	2008.	4334.	72886.	46917.	4648.	2223.	1928.	1928.	1614.	1614.	142891.

3535-49

MISSION CR. AVERAGE YEAR (NATURAL FLOW)

Figure A.137

Date of Printout:
Sept. 11, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	0.	600.	402.	198.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	0.	2107.	1412.	695.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	0.	400.	268.	132.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		2737.	2737.	2737.	2737.	5475.	5475.	4544.	3441.	2737.	2737.	2737.	2737.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	69.	231.	155.	76.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		2531.	2531.	2531.	3120.	8436.	8436.	6496.	2531.	2134.	2426.	2531.	2531.	
CONTROL POINT	9													
STORAGE		0.	0.	0.	0.	42.	61.	66.	50.	0.	0.	0.	0.	
CONTROL POINT	10													
STORAGE		0.	0.	0.	0.	104.	153.	166.	150.	0.	0.	0.	0.	
CONTROL POINT	11													
STORAGE		0.	0.	0.	0.	42.	61.	66.	41.	0.	0.	0.	0.	
CONTROL POINT	12													
STORAGE		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	2													
FLOW		49.	52.	52.	231.	14733.	8518.	1304.	1284.	1207.	182.	52.	52.	27717.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		448.	533.	620.	1512.	37932.	23675.	2445.	1734.	1690.	764.	518.	518.	72385.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		365.	476.	569.	1056.	12783.	9167.	2121.	1668.	1202.	499.	471.	471.	30847.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		377.	491.	588.	1101.	13103.	9321.	2162.	1681.	1215.	512.	484.	484.	31518.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	15													
FLOW		270.	333.	410.	254.	4809.	4298.	238.	1847.	7.	62.	221.	326.	13074.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	16													
FLOW		1216.	1519.	1824.	3388.	57631.	35647.	1770.	1853.	1636.	1469.	1363.	1468.	110784.
DEFICIENCY (FISH)		584.	281.	0.	0.	0.	0.	30.	0.	764.	931.	437.	332.	3359.
MEASURING POINT	18													
FLOW		1271.	1588.	1913.	3572.	59229.	36445.	1951.	1919.	1702.	1535.	1429.	1534.	114090.
DEFICIENCY (FISH)		527.	212.	0.	0.	0.	0.	0.	0.	698.	865.	371.	266.	2939.
MEASURING POINT	20													
FLOW		1246.	1567.	1886.	3547.	58446.	35120.	601.	563.	1152.	1496.	1402.	1507.	108533.
DEFICIENCY (FISH)		554.	233.	0.	0.	0.	0.	1199.	1237.	1248.	904.	398.	293.	6066.
MEASURING POINT	21													
FLOW		1286.	1619.	1945.	3696.	59699.	35789.	745.	614.	1199.	1563.	1448.	1553.	111136.
DEFICIENCY (FISH)		514.	181.	0.	0.	0.	0.	1055.	1186.	1201.	857.	352.	247.	5593.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
FLOW, UPSTREAM		353.	426.	482.	1191.	35726.	22784.	2395.	1882.	1665.	665.	419.	419.	68436.
FLOW, DOWNSTREAM		353.	426.	482.	1191.	35578.	22537.	2151.	1635.	1591.	665.	419.	419.	67448.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
FLOW, UPSTREAM		830.	1036.	1223.	2647.	51297.	33123.	4639.	3426.	2916.	1287.	1013.	1013.	104450.
FLOW, DOWNSTREAM		830.	1036.	1223.	2647.	51275.	33087.	4603.	3390.	2901.	1287.	1013.	1013.	104305.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	42.	70.	70.	70.	28.	0.	0.	0.	280.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	42.	70.	70.	70.	28.	0.	0.	0.	280.
FLOW, UPSTREAM		874.	1088.	1291.	2812.	52400.	33624.	4751.	3437.	2948.	1334.	1060.	1060.	106679.
FLOW, DOWNSTREAM		874.	1088.	1291.	2812.	52358.	33554.	4681.	3367.	2920.	1334.	1060.	1060.	106399.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	2037.	3395.	3395.	3395.	1359.	0.	0.	0.	13581.
DEMAND, DOMESTIC		23.	18.	23.	27.	46.	59.	73.	73.	37.	32.	23.	23.	457.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		23.	18.	23.	27.	2083.	3454.	3468.	3468.	1396.	32.	23.	23.	14038.
FLOW, UPSTREAM		962.	1195.	1427.	3127.	54766.	38742.	4973.	3458.	3019.	1433.	1159.	1159.	111430.
FLOW, DOWNSTREAM		932.	1177.	1404.	3100.	52683.	31288.	1505.	0.	1623.	1401.	1136.	1136.	97392.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		861.	623.	396.	0.	0.	0.	295.	1800.	777.	999.	664.	664.	7079.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
FLOW, UPSTREAM		206.	262.	311.	0.	4945.	6291.	2703.	4390.	765.	0.	157.	262.	20292.
FLOW, DOWNSTREAM		206.	262.	311.	0.	4912.	6237.	2649.	4336.	743.	0.	157.	262.	20075.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	1557.	2596.	2596.	2596.	1038.	0.	0.	0.	10383.
DEMAND, DOMESTIC		6.	5.	6.	7.	12.	17.	20.	20.	10.	8.	6.	6.	123.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		6.	5.	6.	7.	1569.	2613.	2616.	2616.	1048.	8.	6.	6.	10506.
FLOW, UPSTREAM		269.	329.	408.	228.	6224.	6843.	2627.	4436.	1048.	63.	226.	329.	23231.
FLOW, DOWNSTREAM		263.	324.	400.	221.	4655.	4230.	211.	1840.	0.	55.	214.	319.	12731.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	759.	1265.	1265.	1265.	506.	0.	0.	0.	5060.
DEMAND, DOMESTIC		29.	23.	29.	35.	58.	75.	93.	93.	46.	41.	29.	29.	580.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		29.	23.	29.	35.	817.	1340.	1358.	1358.	552.	41.	29.	29.	5640.
FLOW, UPSTREAM		1274.	1589.	1914.	3576.	59243.	36451.	1954.	1920.	1703.	1538.	1436.	1538.	114125.
FLOW, DOWNSTREAM		1245.	1566.	1885.	3541.	58426.	35111.	596.	562.	1151.	1495.	1401.	1506.	108488.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		555.	234.	0.	0.	0.	0.	1204.	1238.	1249.	905.	399.	294.	6078.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	4598.	7663.	7663.	7663.	3067.	0.	0.	0.	30654.
DEMAND, DOMESTIC		58.	46.	58.	69.	116.	151.	186.	186.	93.	81.	58.	58.	1160.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		58.	46.	58.	69.	4714.	7814.	7849.	7849.	3160.	81.	58.	58.	31814.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

MISSION CR. AVERAGE YEAR (1970) Figure A.138

Date of Print-out:
Sept. 7, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	0.	600.	402.	198.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	0.	2850.	2884.	1650.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	0.	800.	813.	561.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	0.	563.	569.	330.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		2737.	2737.	2737.	2737.	5475.	5475.	4105.	2652.	2737.	2737.	2737.	2737.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	600.	2000.	1340.	660.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		3585.	3585.	3585.	4174.	11330.	10815.	5526.	306.	0.	136.	304.	472.	
CONTROL POINT	9													
STORAGE		0.	0.	0.	0.	42.	61.	66.	50.	0.	0.	0.	0.	
CONTROL POINT	10													
STORAGE		0.	0.	0.	0.	104.	153.	166.	150.	0.	0.	0.	0.	
CONTROL POINT	11													
STORAGE		0.	0.	0.	0.	42.	61.	66.	41.	0.	0.	0.	0.	
CONTROL POINT	12													
STORAGE		46.	46.	46.	46.	46.	260.	219.	131.	46.	46.	46.	46.	
MEASURING POINT	2													
FLOW		48.	52.	52.	231.	14733.	6812.	424.	2157.	2921.	182.	52.	52.	27717.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		443.	533.	620.	1512.	37932.	21969.	1565.	2607.	3404.	764.	518.	518.	72385.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		365.	476.	569.	1056.	12783.	9167.	2560.	2017.	413.	499.	471.	471.	30847.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		377.	491.	589.	1101.	13103.	9321.	2601.	2030.	426.	512.	484.	484.	31518.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	15													
FLOW		119.	213.	259.	73.	154.	68.	27.	7.	7.	7.	7.	7.	948.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	16													
FLOW		781.	1171.	1389.	2965.	53069.	30073.	1310.	1427.	2548.	1016.	865.	865.	97379.
DEFICIENCY (FISH)		1019.	629.	411.	0.	0.	0.	490.	373.	0.	1384.	935.	935.	6176.
MEASURING POINT	18													
FLOW		834.	1240.	1478.	3049.	54667.	30871.	1491.	1493.	2614.	1082.	931.	931.	100685.
DEFICIENCY (FISH)		962.	560.	322.	0.	0.	0.	309.	307.	0.	1318.	869.	869.	5516.
MEASURING POINT	20													
FLOW		609.	1257.	1249.	2782.	53786.	29530.	5.	1.	1945.	761.	702.	702.	93129.
DEFICIENCY (FISH)		1191.	743.	551.	0.	0.	0.	1795.	1799.	455.	1639.	1098.	1098.	10369.
MEASURING POINT	21													
FLOW		649.	1109.	1338.	2931.	55039.	30199.	149.	52.	1992.	808.	748.	748.	95732.
DEFICIENCY (FISH)		1151.	691.	482.	0.	0.	0.	1681.	1748.	408.	1592.	1052.	1052.	9837.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
FLOW, UPSTREAM		353.	426.	482.	1191.	35726.	21078.	1518.	2755.	3404.	665.	419.	419.	68436.
FLOW, DOWNSTREAM		353.	426.	482.	1191.	35578.	20831.	1271.	2508.	3305.	665.	419.	419.	67448.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
FLOW, UPSTREAM		830.	1036.	1223.	2647.	51297.	31417.	4198.	4648.	3841.	1287.	1013.	1013.	104450.
FLOW, DOWNSTREAM		830.	1036.	1223.	2647.	51275.	31381.	4162.	4612.	3826.	1287.	1013.	1013.	104305.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	120.	200.	200.	200.	80.	0.	0.	0.	800.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	120.	200.	200.	200.	80.	0.	0.	0.	800.
FLOW, UPSTREAM		874.	1088.	1291.	2812.	52406.	31918.	4311.	4659.	3873.	1334.	1060.	1060.	106679.
FLOW, DOWNSTREAM		874.	1088.	1291.	2812.	52280.	31718.	4110.	4459.	3793.	1334.	1060.	1060.	105879.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1298.	2163.	2163.	2163.	869.	0.	0.	0.	8652.
DEMAND, DOMESTIC		307.	246.	307.	369.	615.	799.	983.	983.	492.	430.	307.	307.	6145.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		307.	246.	307.	369.	1913.	2962.	3146.	3146.	1357.	430.	307.	307.	14797.
FLOW, UPSTREAM		962.	1195.	1427.	3127.	54688.	32906.	4402.	4560.	3892.	1433.	1159.	1159.	110910.
FLOW, DOWNSTREAM		655.	949.	1120.	2758.	52775.	29944.	1256.	1414.	2535.	1003.	852.	852.	96113.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		1145.	851.	680.	0.	0.	0.	544.	386.	0.	1397.	948.	948.	6899.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
FLOW, UPSTREAM		206.	262.	311.	0.	2574.	5754.	6276.	6335.	1343.	156.	94.	94.	23405.
FLOW, DOWNSTREAM		206.	262.	311.	0.	2541.	5700.	6222.	6281.	1321.	156.	94.	94.	23188.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	3539.	5898.	5898.	5898.	2359.	0.	0.	0.	23592.
DEMAND, DOMESTIC		157.	125.	157.	188.	314.	408.	502.	502.	251.	219.	157.	157.	3137.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		157.	125.	157.	188.	3853.	6306.	6400.	6400.	2610.	219.	157.	157.	26729.
FLOW, UPSTREAM		289.	329.	408.	228.	3853.	6306.	6400.	6400.	1620.	219.	157.	157.	26350.
FLOW, DOWNSTREAM		118.	204.	249.	40.	0.	0.	0.	0.	0.	0.	0.	0.	605.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	984.	0.	0.	0.	984.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	454.	756.	756.	756.	302.	0.	0.	0.	3024.
DEMAND, DOMESTIC		231.	185.	231.	277.	461.	600.	738.	738.	369.	323.	231.	231.	4615.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		231.	185.	231.	277.	915.	1356.	1494.	1494.	671.	323.	231.	231.	7639.
FLOW, UPSTREAM		839.	1241.	1479.	3053.	54681.	30877.	1494.	1494.	2615.	1083.	933.	933.	100720.
FLOW, DOWNSTREAM		608.	1056.	1243.	2776.	53766.	29521.	0.	0.	1944.	760.	701.	701.	93081.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		1192.	744.	552.	0.	0.	0.	1800.	1800.	456.	1640.	1099.	1099.	10382.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	5614.	9354.	9354.	9354.	3742.	0.	0.	0.	37418.
DEMAND, DOMESTIC		695.	556.	695.	834.	1390.	1807.	2223.	2223.	1112.	972.	695.	695.	13897.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		695.	556.	695.	834.	7004.	11161.	11577.	11577.	4854.	972.	695.	695.	51315.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	984.	0.	0.	0.	984.

MISSION CR. AVG. YR. (2020) HIGH GROWTH Figure A.139

Date of Printout:
Sept. 6, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	0.	600.	402.	198.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	0.	2850.	2884.	1650.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	0.	800.	813.	561.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	0.	563.	569.	330.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		2737.	2737.	2737.	2737.	5475.	5475.	4325.	3668.	2737.	2737.	2737.	2737.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	600.	2000.	1340.	660.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		3585.	3585.	3585.	4174.	11950.	11950.	9201.	3585.	3448.	3585.	3585.	3585.	
CONTROL POINT	9													
STORAGE		0.	0.	0.	0.	42.	61.	66.	50.	0.	0.	0.	0.	
CONTROL POINT	10													
STORAGE		0.	0.	0.	0.	104.	153.	166.	150.	0.	0.	0.	0.	
CONTROL POINT	11													
STORAGE		0.	0.	0.	0.	42.	61.	66.	41.	0.	0.	0.	0.	
CONTROL POINT	12													
STORAGE		46.	46.	46.	46.	46.	260.	219.	131.	46.	46.	46.	46.	
MEASURING POINT	2													
FLOW		49.	52.	52.	231.	14733.	6812.	424.	2157.	2921.	182.	52.	52.	27717.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		443.	533.	620.	1512.	37932.	21969.	1565.	2607.	3404.	764.	518.	518.	72385.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		365.	476.	569.	1056.	12783.	9167.	2340.	1221.	1430.	499.	471.	471.	30847.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		377.	491.	588.	1101.	13103.	9321.	2381.	1234.	1443.	512.	484.	484.	31518.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	15													
FLOW		142.	231.	282.	100.	1250.	1996.	743.	3261.	7.	35.	198.	198.	8443.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	16													
FLOW		848.	1225.	1456.	2946.	54034.	31748.	1580.	3659.	3489.	1106.	1100.	1100.	104291.
DEFICIENCY (FISH)		952.	575.	344.	0.	0.	0.	220.	0.	0.	1294.	700.	700.	4785.
MEASURING POINT	18													
FLOW		904.	1294.	1545.	3130.	55632.	32546.	1761.	3725.	3556.	1172.	1166.	1166.	107597.
DEFICIENCY (FISH)		895.	506.	255.	0.	0.	0.	39.	0.	0.	1228.	634.	634.	4191.
MEASURING POINT	20													
FLOW		710.	1139.	1350.	2904.	54591.	30915.	5.	1963.	2788.	898.	971.	971.	99205.
DEFICIENCY (FISH)		1090.	681.	450.	0.	0.	0.	1795.	0.	0.	1502.	829.	829.	7156.
MEASURING POINT	21													
FLOW		750.	1191.	1409.	3053.	55844.	31584.	149.	2014.	2835.	945.	1017.	1017.	101808.
DEFICIENCY (FISH)		1050.	609.	391.	0.	0.	0.	1651.	0.	0.	1455.	783.	783.	6722.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
FLOW, UPSTREAM		353.	426.	482.	1191.	35726.	21078.	1518.	2755.	3404.	665.	419.	419.	68436.
FLOW, DOWNSTREAM		353.	426.	482.	1191.	35578.	20831.	1271.	2508.	3305.	665.	419.	419.	67448.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
FLOW, UPSTREAM		830.	1036.	1223.	2647.	51297.	31417.	3978.	3852.	4826.	1287.	1013.	1013.	104450.
FLOW, DOWNSTREAM		830.	1036.	1223.	2647.	51275.	31381.	3942.	3816.	4843.	1287.	1013.	1013.	104305.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	45.	76.	76.	76.	30.	0.	0.	0.	303.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	45.	76.	76.	76.	30.	0.	0.	0.	303.
FLOW, UPSTREAM		874.	1088.	1291.	2812.	52409.	31918.	4090.	3863.	4890.	1334.	1060.	1060.	106679.
FLOW, DOWNSTREAM		874.	1088.	1291.	2812.	52355.	31842.	4014.	3787.	4860.	1334.	1060.	1060.	106375.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1993.	2656.	2656.	2656.	1063.	0.	0.	0.	10624.
DEMAND, DOMESTIC		263.	210.	263.	315.	525.	683.	840.	840.	420.	368.	263.	263.	5253.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		263.	210.	263.	315.	2118.	3339.	3496.	3496.	1483.	368.	263.	263.	15877.
FLOW, UPSTREAM		962.	1195.	1427.	3127.	54763.	33030.	4306.	3888.	4959.	1433.	1159.	1159.	111407.
FLOW, DOWNSTREAM		699.	985.	1164.	2812.	52645.	29691.	810.	392.	3476.	1065.	896.	896.	95530.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		1101.	815.	636.	0.	0.	0.	990.	1408.	0.	1335.	904.	904.	8093.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
FLOW, UPSTREAM		208.	262.	311.	0.	1954.	4839.	4135.	6732.	1177.	152.	262.	262.	20292.
FLOW, DOWNSTREAM		208.	262.	311.	0.	1921.	4785.	4081.	6678.	1155.	152.	262.	262.	20075.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	1869.	3115.	3115.	3115.	1246.	0.	0.	0.	12460.
DEMAND, DOMESTIC		134.	107.	134.	161.	268.	348.	428.	428.	214.	187.	134.	134.	2677.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		134.	107.	134.	161.	2137.	3463.	3543.	3543.	1460.	187.	134.	134.	15137.
FLOW, UPSTREAM		208.	329.	400.	228.	3253.	5391.	4259.	6797.	1469.	215.	325.	325.	23237.
FLOW, DOWNSTREAM		135.	222.	272.	67.	1096.	1928.	716.	3254.	0.	28.	191.	191.	8100.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	681.	1134.	1134.	1134.	454.	0.	0.	0.	4537.
DEMAND, DOMESTIC		197.	157.	197.	236.	394.	512.	630.	630.	315.	276.	197.	197.	3938.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		197.	157.	197.	236.	1075.	1646.	1764.	1764.	769.	276.	197.	197.	8475.
FLOW, UPSTREAM		906.	1295.	1566.	3134.	55646.	32552.	1764.	3726.	3556.	1173.	1167.	1167.	107632.
FLOW, DOWNSTREAM		709.	1138.	1349.	2898.	54571.	30906.	0.	1962.	2787.	897.	970.	970.	99157.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		1091.	662.	451.	0.	0.	0.	1800.	0.	0.	1503.	830.	830.	7167.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	4391.	7318.	7318.	7318.	2929.	0.	0.	0.	29274.
DEMAND, DOMESTIC		594.	474.	594.	712.	1187.	1543.	1898.	1898.	949.	831.	594.	594.	11868.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		594.	474.	594.	712.	5578.	8861.	9216.	9216.	3878.	831.	594.	594.	41142.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

MISSION CR. AVG. YR. (2020) MED. GROWTH

Figure A.140

Date of Print-out :
Sept. 10, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	0.	600.	402.	198.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	0.	2850.	2884.	1650.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	0.	800.	813.	561.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	0.	563.	569.	330.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		2737.	2737.	2737.	2737.	5475.	5475.	4544.	3668.	2737.	2737.	2737.	2737.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	600.	2000.	1340.	660.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		3585.	3585.	3585.	4174.	11950.	11950.	9201.	3585.	3585.	3585.	3585.	3585.	
CONTROL POINT	9													
STORAGE		0.	0.	0.	0.	42.	61.	66.	50.	0.	0.	0.	0.	
CONTROL POINT	10													
STORAGE		0.	0.	0.	0.	104.	153.	166.	150.	0.	0.	0.	0.	
CONTROL POINT	11													
STORAGE		0.	0.	0.	0.	42.	61.	66.	41.	0.	0.	0.	0.	
CONTROL POINT	12													
STORAGE		46.	46.	46.	46.	46.	260.	219.	131.	46.	46.	46.	46.	
MEASURING POINT	2													
FLOW		49.	52.	52.	231.	14733.	6812.	424.	2157.	2921.	182.	52.	52.	27717.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		443.	533.	620.	1512.	37932.	21969.	1565.	2607.	3404.	764.	518.	518.	72385.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		365.	476.	569.	1056.	12783.	9167.	2121.	1440.	1430.	499.	471.	471.	30847.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		377.	491.	588.	1101.	13103.	9321.	2162.	1453.	1443.	512.	484.	484.	31518.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	15													
FLOW		167.	251.	307.	130.	1876.	3019.	1781.	4299.	290.	209.	223.	223.	12775.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	16													
FLOW		923.	1284.	1531.	3035.	54579.	32603.	2260.	4777.	3732.	1349.	1175.	1175.	108424.
DEFICIENCY (FISH)		877.	516.	269.	0.	0.	0.	0.	0.	0.	1051.	625.	625.	3963.
MEASURING POINT	18													
FLOW		980.	1353.	1620.	3219.	56177.	33401.	2461.	4843.	3798.	1415.	1241.	1241.	111730.
DEFICIENCY (FISH)		820.	447.	180.	0.	0.	0.	0.	0.	0.	985.	559.	559.	3550.
MEASURING POINT	20													
FLOW		821.	1226.	1461.	3036.	55346.	32091.	1028.	3424.	3180.	1192.	1082.	1082.	104970.
DEFICIENCY (FISH)		979.	574.	339.	0.	0.	0.	772.	0.	0.	1208.	718.	718.	5308.
MEASURING POINT	21													
FLOW		841.	1278.	1520.	3185.	56599.	32760.	1172.	3475.	3227.	1239.	1128.	1128.	107573.
DEFICIENCY (FISH)		959.	522.	280.	0.	0.	0.	628.	0.	0.	1161.	672.	672.	4874.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
FLOW, UPSTREAM		355.	426.	482.	1191.	35726.	21078.	1518.	2755.	3404.	665.	419.	419.	68436.
FLOW, DOWNSTREAM		333.	426.	482.	1191.	35578.	20831.	1271.	2508.	3305.	665.	419.	419.	67448.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
FLOW, UPSTREAM		830.	1036.	1223.	2647.	51297.	31417.	3739.	4071.	4838.	1287.	1013.	1013.	104450.
FLOW, DOWNSTREAM		830.	1036.	1223.	2647.	51275.	31381.	3723.	4035.	4843.	1287.	1013.	1013.	104305.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	42.	70.	70.	70.	28.	0.	0.	0.	280.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	42.	70.	70.	70.	28.	0.	0.	0.	280.
FLOW, UPSTREAM		874.	1088.	1291.	2812.	52400.	31918.	3871.	4082.	4896.	1334.	1060.	1060.	106679.
FLOW, DOWNSTREAM		874.	1088.	1291.	2812.	52358.	31848.	3801.	4012.	4862.	1334.	1060.	1060.	106399.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1779.	2938.	2938.	2938.	1183.	0.	0.	0.	11832.
DEMAND, DOMESTIC		213.	171.	213.	256.	427.	555.	683.	683.	341.	299.	213.	213.	4267.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		213.	171.	213.	256.	2202.	3513.	3641.	3641.	1524.	299.	213.	213.	16099.
FLOW, UPSTREAM		962.	1195.	1427.	3127.	54766.	33036.	4093.	4133.	4961.	1433.	1159.	1159.	111830.
FLOW, DOWNSTREAM		749.	1024.	1214.	2871.	52564.	29523.	452.	472.	3437.	1134.	946.	946.	95331.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		1051.	776.	586.	0.	0.	0.	1348.	1328.	0.	1266.	854.	854.	8063.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
FLOW, UPSTREAM		236.	262.	311.	0.	1954.	4839.	4135.	5732.	1037.	292.	262.	262.	20292.
FLOW, DOWNSTREAM		236.	262.	311.	0.	1921.	4785.	4081.	6678.	1015.	292.	262.	262.	20075.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	1293.	2156.	2156.	2156.	862.	0.	0.	0.	8623.
DEMAND, DOMESTIC		109.	87.	109.	131.	218.	284.	349.	349.	175.	153.	109.	109.	2182.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		109.	87.	109.	131.	1511.	2440.	2505.	2505.	1037.	153.	109.	109.	10805.
FLOW, UPSTREAM		269.	329.	406.	228.	3233.	5391.	4259.	6797.	1320.	355.	325.	325.	23237.
FLOW, DOWNSTREAM		160.	242.	297.	97.	1722.	2951.	1754.	4292.	283.	202.	216.	216.	12432.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	944.	907.	907.	907.	363.	0.	0.	0.	3628.
DEMAND, DOMESTIC		161.	129.	161.	193.	321.	418.	514.	514.	257.	225.	161.	161.	3215.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		161.	129.	161.	193.	865.	1325.	1421.	1421.	620.	225.	161.	161.	6843.
FLOW, UPSTREAM		981.	1354.	1621.	3223.	56191.	33407.	2444.	4844.	3799.	1416.	1242.	1242.	111765.
FLOW, DOWNSTREAM		820.	1225.	1460.	3030.	55326.	32082.	1023.	3423.	3179.	1191.	1081.	1081.	104922.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		980.	575.	340.	0.	0.	0.	777.	0.	0.	1209.	719.	719.	5319.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	3857.	6428.	6428.	6428.	2572.	0.	0.	0.	25713.
DEMAND, DOMESTIC		483.	387.	483.	580.	966.	1257.	1546.	1546.	773.	677.	483.	483.	9664.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		483.	387.	483.	580.	4823.	7685.	7974.	7974.	3345.	677.	483.	483.	35377.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

MISSION CR. AVG. YR. (2020) LOW GROWTH

Figure A.141

Date Of Print - out:
Dec. 7, 1972

FLOWS IN AC. FT.

LOCATION	AREA IN K. AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR
CPDA 1	1.0	0.	0.	0.	12.	1248.	1027.	12.	12.	12.	12.	0.	0.	2333.
MPDA 1	0.5	0.	0.	0.	2.	703.	592.	2.	2.	2.	2.	0.	0.	1307.
CPDA 2	4.0	4.	4.	4.	46.	5051.	4142.	50.	46.	43.	43.	4.	4.	9440.
CPDA 3	1.2	2.	2.	2.	17.	1448.	1171.	19.	17.	15.	15.	2.	2.	2713.
CPDA 4	0.8	0.	0.	0.	9.	999.	821.	9.	9.	9.	9.	0.	0.	1867.
MPDA 2	18.9	75.	79.	79.	345.	21733.	17123.	420.	341.	271.	271.	79.	79.	40895.
MPDA 3	18.0	206.	250.	297.	668.	13305.	8970.	727.	370.	310.	310.	243.	243.	25899.
MPDA 4	63.9	598.	723.	826.	2017.	54989.	39363.	2282.	1317.	1069.	1069.	705.	705.	105663.
MPDA 5	9.8	134.	161.	208.	474.	3557.	1728.	439.	149.	149.	149.	149.	149.	7446.
MPDA 6	78.3	779.	941.	1104.	2695.	59621.	41581.	2892.	1513.	1265.	1265.	901.	901.	115457.
CPDA 5	7.7	127.	176.	204.	330.	4963.	2791.	401.	198.	176.	176.	176.	176.	9894.
MPDA 7	7.0	108.	146.	169.	309.	4111.	2301.	353.	165.	144.	144.	144.	144.	8237.
MPDA 8	43.0	638.	829.	995.	1869.	26035.	15165.	2074.	959.	857.	857.	816.	816.	51912.
MPDA 9	45.3	665.	861.	1035.	1970.	26687.	15476.	2164.	987.	885.	885.	844.	844.	53302.
MPDA 10	125.1	1463.	1825.	2169.	4736.	86817.	57302.	5121.	2522.	2172.	2172.	1766.	1766.	169830.
MPDA 11	3.2	40.	46.	61.	160.	953.	438.	138.	41.	41.	41.	41.	41.	2040.
MPDA 12	133.1	1556.	1936.	2309.	5101.	89104.	58380.	5442.	2619.	2270.	2270.	1864.	1864.	174715.
MPDA 13	147.7	1735.	2155.	2581.	5770.	93804.	60667.	6050.	2818.	2465.	2465.	2059.	2059.	184627.
CPDA 6	9.1	147.	192.	229.	405.	5524.	3089.	469.	221.	192.	192.	192.	192.	11047.
CPDA 7	0.4	7.	7.	10.	21.	158.	74.	20.	7.	7.	7.	7.	7.	330.
CPDA 8	13.7	223.	271.	345.	648.	7433.	4000.	698.	300.	271.	271.	271.	271.	15004.
CPDA 9	0.2	3.	3.	5.	11.	79.	37.	10.	3.	3.	3.	3.	3.	165.
CPDA 10	0.7	12.	12.	17.	38.	277.	130.	35.	12.	12.	12.	12.	12.	577.
CPDA 11	0.9	15.	15.	22.	48.	356.	167.	45.	15.	15.	15.	15.	15.	742.
MPDA 14	22.4	348.	405.	531.	1102.	10375.	5359.	1098.	425.	396.	396.	396.	396.	21227.
MPDA 15	25.1	368.	430.	560.	1201.	10790.	5541.	1179.	443.	415.	415.	415.	415.	22171.
MPDA 16	176.3	2126.	2614.	3172.	7089.	105044.	66403.	7325.	3282.	2901.	2901.	2495.	2495.	207848.
CPDA 12	0.4	3.	3.	3.	10.	424.	319.	13.	10.	7.	7.	3.	3.	803.
MPDA 17	19.4	243.	314.	364.	743.	12384.	7811.	832.	406.	347.	347.	304.	304.	24400.
MPDA 18	197.0	2377.	2936.	3545.	7866.	117538.	74261.	8185.	3694.	3253.	3253.	2804.	2804.	232517.
MPDA 19	198.0	2382.	2942.	3551.	7892.	117623.	74298.	8207.	3698.	3257.	3257.	2809.	2809.	232725.
MPDA 20	199.5	2390.	2952.	3560.	7931.	117752.	74353.	8240.	3704.	3263.	3263.	2815.	2815.	233037.
MPDA 21	214.0	2501.	3093.	3715.	8402.	120596.	75787.	8665.	3826.	3378.	3378.	2928.	2928.	239199.

3535b2

3535b3

MISSION CR. WET YEAR (NATURAL FLOW)

Figure A.142

Date of Printout:
Sept. 11, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	0.	600.	402.	198.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	0.	2107.	1412.	695.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	0.	400.	268.	132.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		2737.	2737.	2737.	2737.	5475.	5475.	4544.	3688.	2737.	2737.	2737.	2737.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	69.	231.	155.	76.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		2531.	2531.	2531.	3546.	8436.	8436.	6496.	2531.	2395.	2531.	2531.	2531.	
CONTROL POINT	9													
STORAGE		0.	0.	0.	0.	79.	116.	103.	50.	0.	0.	0.	0.	
CONTROL POINT	10													
STORAGE		0.	0.	0.	0.	198.	291.	304.	150.	0.	0.	0.	0.	
CONTROL POINT	11													
STORAGE		0.	0.	0.	0.	79.	116.	84.	41.	0.	0.	0.	0.	
CONTROL POINT	12													
STORAGE		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	2													
FLOW		73.	79.	79.	345.	21733.	14016.	1444.	1396.	1295.	270.	79.	79.	40891.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		760.	941.	1103.	2694.	59472.	38227.	3670.	2321.	2191.	1265.	901.	901.	114467.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		633.	829.	995.	1869.	23298.	15164.	3005.	1836.	1789.	858.	816.	816.	51913.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		665.	861.	1034.	1970.	23950.	15475.	3095.	1864.	1817.	886.	844.	844.	53304.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	15													
FLOW		494.	601.	744.	547.	13290.	8919.	1030.	2344.	19.	491.	586.	586.	29651.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	16													
FLOW		2231.	2768.	3332.	6408.	102511.	62867.	5310.	3294.	2923.	2945.	2643.	2643.	199875.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	18													
FLOW		2348.	2911.	3511.	6816.	105636.	64405.	5696.	3425.	3054.	3076.	2774.	2774.	206426.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	20													
FLOW		2332.	2903.	3497.	6846.	105032.	63156.	4393.	2077.	2512.	3045.	2755.	2755.	201303.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	21													
FLOW		2444.	3044.	3652.	7317.	107876.	64591.	4819.	2199.	2627.	3160.	2869.	2869.	207467.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
FLOW, UPSTREAM		592.	723.	826.	2016.	54988.	36256.	3306.	2372.	2094.	1069.	705.	705.	105660.
FLOW, DOWNSTREAM		592.	723.	826.	2016.	54840.	36009.	3059.	2125.	1995.	1069.	705.	705.	104672.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
FLOW, UPSTREAM		1465.	1825.	2167.	4735.	83931.	53947.	6830.	4206.	4029.	2172.	1766.	1766.	168839.
FLOW, DOWNSTREAM		1465.	1825.	2167.	4735.	83909.	53911.	6794.	4170.	4014.	2172.	1766.	1766.	168694.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	42.	70.	70.	70.	28.	0.	0.	0.	280.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	42.	70.	70.	70.	28.	0.	0.	0.	280.
FLOW, UPSTREAM		1558.	1937.	2308.	5100.	66197.	54990.	7115.	4268.	4112.	2270.	1864.	1864.	173583.
FLOW, DOWNSTREAM		1558.	1937.	2308.	5100.	86155.	54920.	7045.	4198.	4084.	2270.	1864.	1864.	173303.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	2037.	3395.	3395.	3395.	1359.	0.	0.	0.	13581.
DEMAND, DOMESTIC		23.	18.	23.	27.	46.	59.	73.	73.	37.	32.	23.	23.	457.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		23.	18.	23.	27.	2083.	3454.	3468.	3468.	1396.	32.	23.	23.	14038.
FLOW, UPSTREAM		1737.	2155.	2580.	5770.	90855.	57207.	7652.	4396.	4279.	2465.	2059.	2059.	183214.
FLOW, DOWNSTREAM		1714.	2137.	2557.	5743.	88772.	53753.	4184.	928.	2883.	2433.	2036.	2036.	169176.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		86.	0.	0.	0.	0.	0.	0.	872.	0.	0.	0.	0.	958.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
FLOW, UPSTREAM		355.	449.	536.	0.	11891.	10213.	3186.	4622.	704.	356.	449.	449.	33210.
FLOW, DOWNSTREAM		355.	449.	536.	0.	11858.	10159.	3132.	4568.	682.	356.	449.	449.	32993.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	1557.	2596.	2596.	2596.	1038.	0.	0.	0.	10383.
DEMAND, DOMESTIC		6.	5.	6.	7.	12.	17.	20.	20.	10.	8.	6.	6.	123.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		6.	5.	6.	7.	1569.	2613.	2616.	2616.	1048.	8.	6.	6.	10506.
FLOW, UPSTREAM		479.	581.	722.	455.	14444.	11351.	3565.	4941.	1048.	480.	573.	573.	39212.
FLOW, DOWNSTREAM		473.	576.	716.	448.	12875.	8738.	949.	2325.	0.	472.	567.	567.	28706.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	759.	1265.	1265.	1265.	506.	0.	0.	0.	5060.
DEMAND, DOMESTIC		29.	23.	29.	35.	58.	75.	93.	93.	46.	41.	29.	29.	580.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		29.	23.	29.	35.	817.	1340.	1358.	1358.	552.	41.	29.	29.	5640.
FLOW, UPSTREAM		2353.	2917.	3517.	6842.	105721.	64441.	5718.	3429.	3058.	3080.	2778.	2778.	206632.
FLOW, DOWNSTREAM		2324.	2894.	3488.	6807.	104904.	63101.	4360.	2071.	2506.	3039.	2749.	2749.	200992.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	4598.	7663.	7663.	7663.	3067.	0.	0.	0.	30654.
DEMAND, DOMESTIC		58.	46.	58.	69.	116.	151.	186.	186.	93.	81.	58.	58.	1160.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		58.	46.	58.	69.	4714.	7814.	7849.	7849.	3160.	81.	58.	58.	31814.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

MISSION CR. WET YEAR (1970)

Figure A.143

Date of Print-out:
Sept. 7, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	0.	600.	402.	198.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	0.	4142.	3330.	1650.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	0.	1171.	1139.	561.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	0.	821.	670.	330.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		2737.	2737.	2737.	2737.	5475.	5475.	4566.	3668.	2737.	2737.	2737.	2737.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	600.	2000.	1340.	660.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		3585.	3585.	3585.	4600.	11950.	11950.	7844.	3110.	2080.	2477.	2893.	3309.	
CONTROL POINT	9													
STORAGE		0.	0.	0.	0.	79.	116.	103.	50.	0.	0.	0.	0.	
CONTROL POINT	10													
STORAGE		0.	0.	0.	0.	198.	291.	304.	150.	0.	0.	0.	0.	
CONTROL POINT	11													
STORAGE		0.	0.	0.	0.	79.	116.	84.	41.	0.	0.	0.	0.	
CONTROL POINT	12													
STORAGE		46.	46.	46.	46.	46.	304.	219.	131.	46.	46.	46.	46.	
MEASURING POINT	2													
FLOW		75.	79.	79.	345.	21733.	10389.	1592.	3162.	3009.	270.	79.	79.	40891.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		780.	941.	1103.	2694.	59472.	34600.	3818.	4087.	3905.	1265.	901.	901.	114467.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		639.	829.	995.	1869.	23298.	15164.	3005.	1836.	1789.	858.	816.	816.	51913.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		665.	861.	1034.	1970.	23950.	15475.	3095.	1864.	1817.	886.	844.	844.	53304.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	15													
FLOW		363.	481.	593.	366.	8015.	3730.	81.	19.	19.	19.	19.	19.	13704.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	16													
FLOW		1795.	2420.	2897.	5885.	97328.	54413.	4701.	2926.	4624.	2075.	1792.	1792.	182648.
DEFICIENCY (FISH)		4.	0.	0.	0.	0.	0.	0.	0.	0.	325.	8.	8.	345.
MEASURING POINT	18													
FLOW		1913.	2563.	3076.	6293.	100453.	55951.	5087.	3057.	4755.	2206.	1923.	1923.	189199.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	0.	0.	194.	0.	0.	194.
MEASURING POINT	20													
FLOW		1695.	2393.	2860.	6081.	95751.	54686.	3648.	1573.	4094.	1893.	1702.	1702.	182077.
DEFICIENCY (FISH)		105.	0.	0.	0.	0.	0.	0.	227.	0.	507.	98.	98.	1038.
MEASURING POINT	21													
FLOW		1807.	2534.	3015.	6552.	102595.	56121.	4074.	1695.	4208.	2008.	1816.	1816.	188241.
DEFICIENCY (FISH)		0.	0.	0.	0.	0.	0.	0.	105.	0.	392.	0.	0.	497.
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
FLOW, UPSTREAM		599.	723.	826.	2016.	54988.	32629.	3654.	4138.	3808.	1069.	705.	705.	105660.
FLOW, DOWNSTREAM		599.	723.	826.	2016.	54840.	32382.	3207.	3891.	3709.	1069.	705.	705.	104672.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
FLOW, UPSTREAM		1465.	1825.	2167.	4735.	83931.	50320.	6978.	5972.	5743.	2172.	1766.	1766.	168639.
FLOW, DOWNSTREAM		1465.	1825.	2167.	4735.	83909.	50284.	6942.	5936.	5728.	2172.	1766.	1766.	168594.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	120.	200.	200.	200.	80.	0.	0.	0.	800.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	120.	200.	200.	200.	80.	0.	0.	0.	800.
FLOW, UPSTREAM		1558.	1937.	2308.	5100.	86197.	51363.	7263.	6034.	5826.	2270.	1864.	1864.	173583.
FLOW, DOWNSTREAM		1558.	1937.	2308.	5100.	86077.	51163.	7063.	5834.	5746.	2270.	1864.	1864.	172783.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1298.	2163.	2163.	2163.	865.	0.	0.	0.	8652.
DEMAND, DOMESTIC		307.	246.	307.	369.	615.	799.	983.	983.	492.	430.	307.	307.	6145.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		307.	246.	307.	369.	1913.	2962.	3146.	3146.	1357.	430.	307.	307.	14797.
FLOW, UPSTREAM		1737.	2155.	2560.	5770.	90777.	53450.	7670.	6032.	5941.	2465.	2059.	2059.	182624.
FLOW, DOWNSTREAM		1433.	1909.	2273.	5401.	88864.	50488.	4524.	2886.	4584.	2035.	1752.	1752.	167897.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		370.	0.	0.	0.	0.	0.	0.	0.	0.	365.	48.	48.	831.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
FLOW, UPSTREAM		355.	449.	536.	0.	8900.	8717.	6020.	6081.	2266.	95.	33.	33.	33486.
FLOW, DOWNSTREAM		355.	449.	536.	0.	8867.	8663.	5966.	6027.	2244.	95.	33.	33.	33269.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	3539.	5898.	5898.	5898.	2359.	0.	0.	0.	23592.
DEMAND, DOMESTIC		157.	125.	157.	188.	314.	408.	502.	502.	251.	219.	157.	157.	3137.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		157.	125.	157.	188.	3853.	6306.	6400.	6400.	2610.	219.	157.	157.	26729.
FLOW, UPSTREAM		479.	581.	722.	455.	11453.	9855.	6400.	6400.	2610.	219.	157.	157.	39486.
FLOW, DOWNSTREAM		322.	456.	565.	267.	7600.	3549.	0.	0.	0.	0.	0.	0.	12759.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	454.	756.	756.	756.	302.	0.	0.	0.	3024.
DEMAND, DOMESTIC		231.	185.	231.	277.	461.	600.	738.	738.	369.	323.	231.	231.	4615.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		231.	185.	231.	277.	915.	1356.	1494.	1494.	671.	323.	231.	231.	7639.
FLOW, UPSTREAM		1918.	2569.	3082.	6319.	100538.	55998.	5109.	3061.	4759.	2210.	1927.	1927.	189405.
FLOW, DOWNSTREAM		1687.	2388.	2851.	6042.	99623.	54831.	3615.	1567.	4088.	1887.	1696.	1696.	181706.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		113.	0.	0.	0.	0.	0.	0.	223.	0.	513.	104.	104.	1067.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	5614.	9354.	9354.	9354.	3742.	0.	0.	0.	37418.
DEMAND, DOMESTIC		695.	556.	695.	834.	1390.	1807.	2223.	2223.	1112.	972.	695.	695.	13897.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		695.	556.	695.	834.	7004.	11161.	11577.	11577.	4854.	972.	695.	695.	51315.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

MISSION CR. WET YR. (2020) HIGH GROWTH

Figure A.144

Date of Printout :
Sept. 6, 1973 (revision)

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	0.	600.	402.	198.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	0.	4142.	3350.	1650.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	0.	1171.	1139.	561.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	0.	821.	670.	330.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		2737.	2737.	2737.	2737.	5479.	5479.	4564.	3668.	2737.	2737.	2737.	2737.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	600.	2000.	1340.	660.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		3585.	3585.	3585.	4800.	11950.	11950.	9201.	3585.	3585.	3585.	3585.	3585.	
CONTROL POINT	9													
STORAGE		0.	0.	0.	0.	79.	116.	103.	50.	0.	0.	0.	0.	
CONTROL POINT	10													
STORAGE		0.	0.	0.	0.	198.	291.	304.	150.	0.	0.	0.	0.	
CONTROL POINT	11													
STORAGE		0.	0.	0.	0.	79.	116.	84.	41.	0.	0.	0.	0.	
CONTROL POINT	12													
STORAGE		48.	48.	48.	48.	48.	304.	219.	131.	48.	48.	48.	48.	
MEASURING POINT	2													
FLOW		75.	79.	79.	345.	21733.	10389.	1592.	3162.	3009.	270.	79.	79.	40891.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		780.	941.	1103.	2694.	59472.	34600.	3818.	4087.	3905.	1265.	901.	901.	114467.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		639.	829.	995.	1869.	23298.	15164.	3005.	1836.	1789.	858.	816.	816.	51913.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		666.	861.	1034.	1970.	23950.	15475.	3095.	1864.	1817.	896.	844.	844.	53304.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	15													
FLOW		366.	499.	616.	393.	9731.	6573.	1560.	3759.	140.	448.	458.	458.	25020.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	16													
FLOW		1863.	2474.	2964.	5966.	98914.	57003.	5974.	6440.	4668.	2566.	2275.	2275.	193382.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	18													
FLOW		1980.	2617.	3143.	6374.	102039.	58541.	6360.	6571.	4799.	2697.	2406.	2406.	199933.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	20													
FLOW		1796.	2475.	2961.	6203.	101177.	56986.	4651.	4817.	4040.	2431.	2219.	2219.	191975.
DEFICIENCY (FISH)		4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.
MEASURING POINT	21													
FLOW		1908.	2616.	3116.	6674.	104021.	58421.	5077.	4939.	4155.	2546.	2333.	2333.	198139.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
FLOW, UPSTREAM		599.	723.	826.	2016.	54988.	32629.	3454.	4136.	3808.	1069.	705.	705.	105660.
FLOW, DOWNSTREAM		599.	723.	826.	2016.	54840.	32382.	3207.	3889.	3709.	1069.	705.	705.	104672.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
FLOW, UPSTREAM		1466.	1825.	2167.	4735.	83931.	50320.	6978.	5972.	5743.	2172.	1760.	1760.	168839.
FLOW, DOWNSTREAM		1466.	1825.	2167.	4735.	83909.	50284.	6942.	5936.	5728.	2172.	1760.	1760.	168694.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	45.	76.	76.	76.	30.	0.	0.	0.	303.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	45.	76.	76.	76.	30.	0.	0.	0.	303.
FLOW, UPSTREAM		1558.	1937.	2308.	5100.	86197.	51363.	7263.	6034.	5826.	2270.	1864.	1864.	173583.
FLOW, DOWNSTREAM		1558.	1937.	2308.	5100.	86152.	51287.	7187.	5958.	5796.	2270.	1864.	1864.	173280.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1593.	2656.	2656.	2656.	1063.	0.	0.	0.	10624.
DEMAND, DOMESTIC		263.	210.	263.	315.	525.	683.	840.	840.	420.	368.	263.	263.	5253.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		263.	210.	263.	315.	2118.	3339.	3496.	3496.	1483.	368.	263.	263.	15877.
FLOW, UPSTREAM		1737.	2155.	2580.	5770.	90852.	53574.	7794.	6156.	5991.	2465.	2059.	2059.	183191.
FLOW, DOWNSTREAM		1474.	1945.	2317.	5455.	88734.	50235.	4298.	2660.	4508.	2097.	1798.	1796.	167316.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		326.	0.	0.	0.	0.	0.	0.	0.	0.	303.	4.	4.	637.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
FLOW, UPSTREAM		355.	449.	536.	0.	6900.	8717.	4663.	6964.	1237.	492.	449.	449.	33210.
FLOW, DOWNSTREAM		355.	449.	536.	0.	6867.	8663.	4609.	6910.	1215.	492.	449.	449.	32993.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	1869.	3115.	3115.	3115.	1246.	0.	0.	0.	12460.
DEMAND, DOMESTIC		134.	107.	134.	161.	268.	348.	426.	428.	214.	187.	134.	134.	2677.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		134.	107.	134.	161.	2137.	3463.	3543.	3543.	1460.	187.	134.	134.	15137.
FLOW, UPSTREAM		479.	581.	722.	455.	11653.	9855.	5042.	7253.	1581.	616.	573.	573.	39212.
FLOW, DOWNSTREAM		345.	474.	588.	294.	9316.	6392.	1499.	3760.	121.	429.	439.	439.	24675.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	681.	1134.	1134.	1134.	454.	0.	0.	0.	4537.
DEMAND, DOMESTIC		197.	157.	197.	236.	394.	512.	630.	630.	315.	276.	197.	197.	3950.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		197.	157.	197.	236.	1(	1646.	1764.	1764.	769.	276.	197.	197.	8475.
FLOW, UPSTREAM		1985.	2623.	3169.	6600.	1021	58577.	6382.	6575.	4803.	2701.	2410.	2410.	200139.
FLOW, DOWNSTREAM		1788.	2488.	2952.	6104.	1011	56931.	4618.	4811.	4034.	2425.	2213.	2213.	191364.
DEMAND, DEFICIENCY		0.	0.	0.	0.	).	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		12.	0.	0.	0.	).	0.	0.	0.	0.	0.	0.	0.	12.
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	4391.	7318.	7318.	7318.	2929.	0.	0.	0.	29274.
DEMAND, DOMESTIC		594.	474.	594.	712.	1187.	1543.	1898.	1898.	949.	831.	594.	594.	11868.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		594.	474.	594.	712.	5578.	8861.	9216.	9216.	3878.	831.	594.	594.	41142.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

MISSION CR. WET YR. (2020) MED. GROWTH Figure A.145

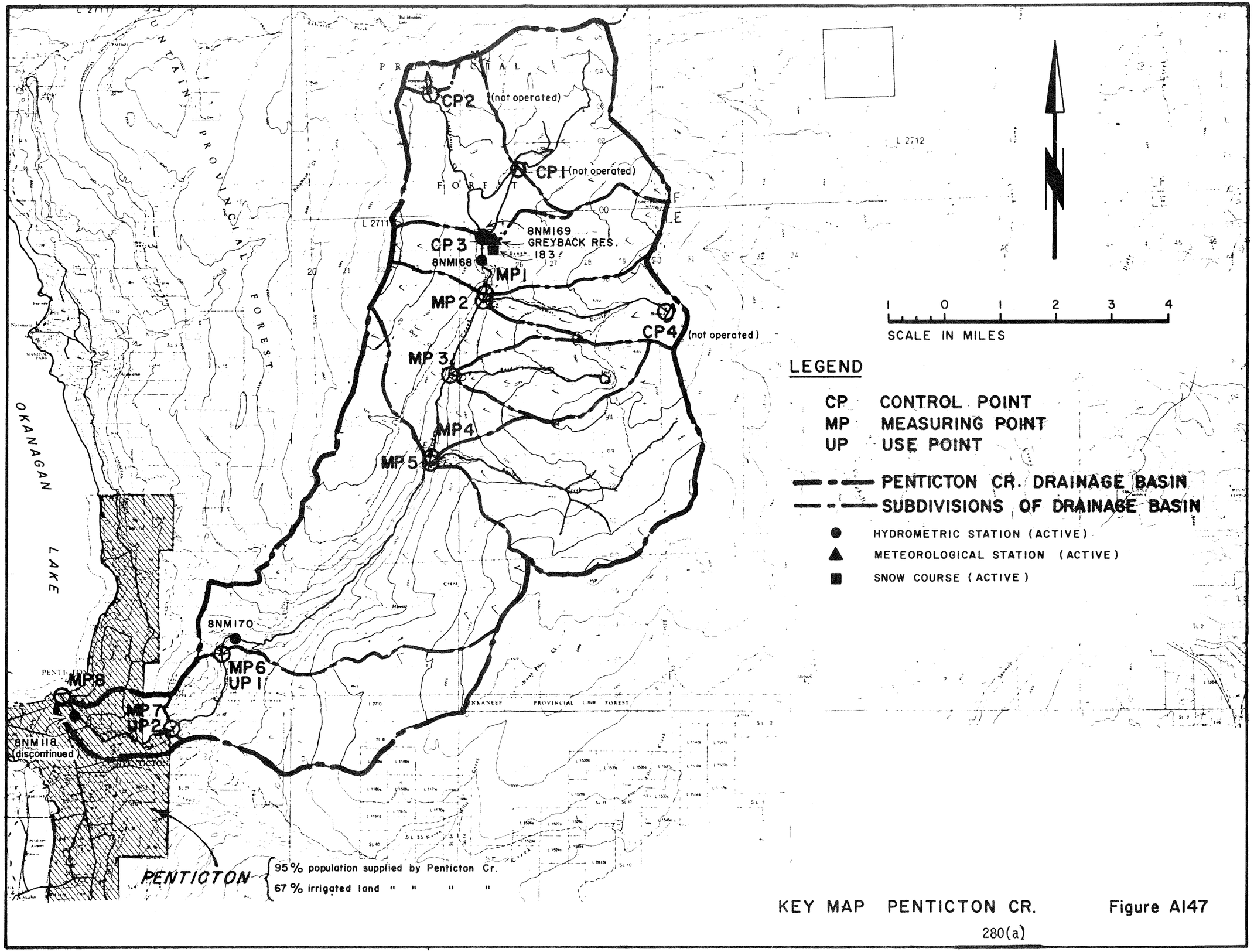
STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
STORAGE		0.	0.	0.	0.	0.	600.	402.	198.	0.	0.	0.	0.	
CONTROL POINT	2													
STORAGE		0.	0.	0.	0.	0.	4142.	3350.	1650.	0.	0.	0.	0.	
CONTROL POINT	3													
STORAGE		0.	0.	0.	0.	0.	1171.	1139.	561.	0.	0.	0.	0.	
CONTROL POINT	4													
STORAGE		0.	0.	0.	0.	0.	821.	670.	330.	0.	0.	0.	0.	
CONTROL POINT	5													
STORAGE		2737.	2737.	2737.	2737.	5479.	5479.	4944.	3668.	2737.	2737.	2737.	2737.	
CONTROL POINT	6													
STORAGE		0.	0.	0.	0.	600.	2000.	1340.	660.	0.	0.	0.	0.	
CONTROL POINT	8													
STORAGE		3585.	3585.	3585.	4600.	11950.	11950.	9201.	3585.	3585.	3585.	3585.	3585.	
CONTROL POINT	9													
STORAGE		0.	0.	0.	0.	79.	116.	103.	50.	0.	0.	0.	0.	
CONTROL POINT	10													
STORAGE		0.	0.	0.	0.	198.	291.	304.	150.	0.	0.	0.	0.	
CONTROL POINT	11													
STORAGE		0.	0.	0.	0.	79.	116.	84.	41.	0.	0.	0.	0.	
CONTROL POINT	12													
STORAGE		46.	46.	46.	46.	46.	304.	219.	131.	46.	46.	46.	46.	
MEASURING POINT	2													
FLOW		75.	79.	79.	345.	21733.	10389.	1592.	3162.	3009.	270.	79.	79.	40891.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	6													
FLOW		780.	941.	1103.	2694.	59472.	34600.	3818.	4087.	3905.	1265.	901.	901.	114467.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		639.	329.	995.	1869.	23298.	15164.	3005.	1836.	1789.	858.	816.	816.	51913.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	9													
FLOW		665.	961.	1034	1970.	23950.	15475.	3095.	1864.	1817.	886.	844.	844.	53304.
DEFICIENCY		0.	0.	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	15													
FLOW		391.	519.	641.	423.	10357.	7596.	2618.	4797.	563.	482.	483.	483.	29352.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	16													
FLOW		1938.	2333.	3039.	6055.	99459.	57858.	6873.	7339.	5052.	2669.	2350.	2350.	197515.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	18													
FLOW		2055.	2676.	3218.	6463.	102584.	59396.	7259.	7470.	5183.	2800.	2481.	2481.	204066.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	20													
FLOW		1907.	2562.	3072.	6336.	101932.	58162.	5893.	6059.	4573.	2585.	2330.	2330.	197740.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	21													
FLOW		2019.	2703.	3227.	6806.	104776.	59597.	6319.	6181.	4685.	2700.	2444.	2444.	203904.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	148.	247.	247.	247.	99.	0.	0.	0.	988.
FLOW, UPSTREAM		599.	723.	826.	2016.	54388.	32629.	3454.	4138.	3808.	1069.	705.	705.	105660.
FLOW, DOWNSTREAM		599.	723.	826.	2016.	54388.	32382.	3207.	3891.	3709.	1069.	705.	705.	104672.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	22.	36.	36.	36.	15.	0.	0.	0.	145.
FLOW, UPSTREAM		1465.	1825.	2167.	4735.	83931.	50320.	6978.	5972.	5743.	2172.	1766.	1766.	168839.
FLOW, DOWNSTREAM		1465.	1825.	2167.	4735.	83909.	50284.	6942.	5936.	5728.	2172.	1766.	1766.	168694.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	3													
DEMAND, IRRIGATION		0.	0.	0.	0.	42.	70.	70.	70.	28.	0.	0.	0.	280.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	42.	70.	70.	70.	28.	0.	0.	0.	280.
FLOW, UPSTREAM		1558.	1937.	2308.	5100.	86197.	51363.	7263.	6034.	5826.	2270.	1864.	1864.	173583.
FLOW, DOWNSTREAM		1558.	1937.	2308.	5100.	86155.	51293.	7193.	5964.	5798.	2270.	1864.	1864.	173303.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	4													
DEMAND, IRRIGATION		0.	0.	0.	0.	1775.	2958.	2958.	2958.	1183.	0.	0.	0.	11832.
DEMAND, DOMESTIC		213.	171.	213.	256.	427.	555.	683.	683.	341.	299.	213.	213.	4267.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		213.	171.	213.	256.	2202.	3513.	3641.	3641.	1524.	299.	213.	213.	16099.
FLOW, UPSTREAM		1737.	2155.	2580.	5770.	90855.	53580.	7800.	6162.	5993.	2465.	2059.	2059.	183214.
FLOW, DOWNSTREAM		1524.	1984.	2367.	5514.	88653.	50067.	4159.	2521.	4469.	2166.	1846.	1846.	167115.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY (FISH)		276.	0.	0.	0.	0.	0.	0.	0.	0.	234.	0.	0.	510.
USE POINT	5													
DEMAND, IRRIGATION		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
DEMAND, DOMESTIC		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		0.	0.	0.	0.	33.	54.	54.	54.	22.	0.	0.	0.	217.
FLOW, UPSTREAM		355.	449.	536.	0.	8300.	8717.	4563.	6964.	1237.	492.	449.	449.	33210.
FLOW, DOWNSTREAM		355.	449.	536.	0.	8867.	8663.	4609.	6910.	1215.	492.	449.	449.	32993.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	6													
DEMAND, IRRIGATION		0.	0.	0.	0.	1293.	2156.	2156.	2156.	862.	0.	0.	0.	8623.
DEMAND, DOMESTIC		109.	87.	109.	131.	218.	284.	349.	349.	175.	153.	109.	109.	2182.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		109.	87.	109.	131.	1511.	2440.	2505.	2505.	1037.	153.	109.	109.	10805.
FLOW, UPSTREAM		479.	581.	722.	455.	11453.	9855.	5042.	7283.	1581.	616.	573.	573.	39212.
FLOW, DOWNSTREAM		370.	494.	613.	324.	9942.	7415.	2537.	4778.	544.	463.	464.	464.	28407.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	9													
DEMAND, IRRIGATION		0.	0.	0.	0.	544.	907.	907.	907.	363.	0.	0.	0.	3628.
DEMAND, DOMESTIC		161.	129.	161.	193.	321.	418.	514.	514.	257.	225.	161.	161.	3215.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		161.	129.	161.	193.	865.	1325.	1421.	1421.	620.	225.	161.	161.	6843.
FLOW, UPSTREAM		2063.	2682.	3224.	6480.	102669.	59432.	7281.	7474.	5187.	2804.	2485.	2485.	204272.
FLOW, DOWNSTREAM		1899.	2553.	3063.	6296.	101404.	58107.	5860.	6053.	4567.	2579.	2324.	2324.	197429.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	3857.	6428.	6428.	6428.	2572.	0.	0.	0.	25713.
DEMAND, DOMESTIC		483.	387.	483.	580.	966.	1257.	1546.	1546.	773.	677.	483.	483.	9664.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		483.	387.	483.	580.	4823.	7685.	7974.	7974.	3345.	677.	483.	483.	35377.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

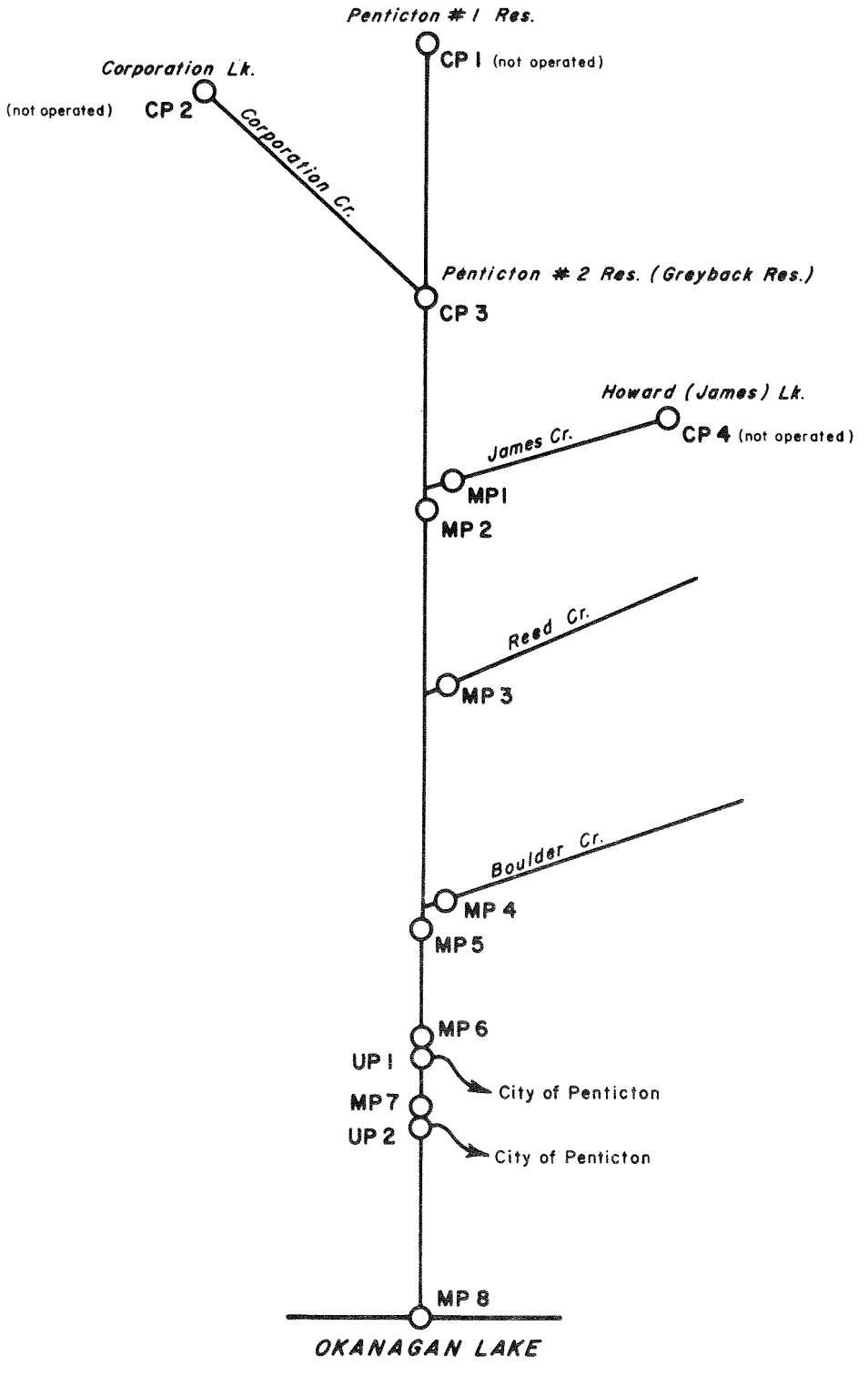
MISSION CR. WET YR. (2020) LOW GROWTH Figure A.146

APPENDIX A-10

PENTICTON CREEK DATA

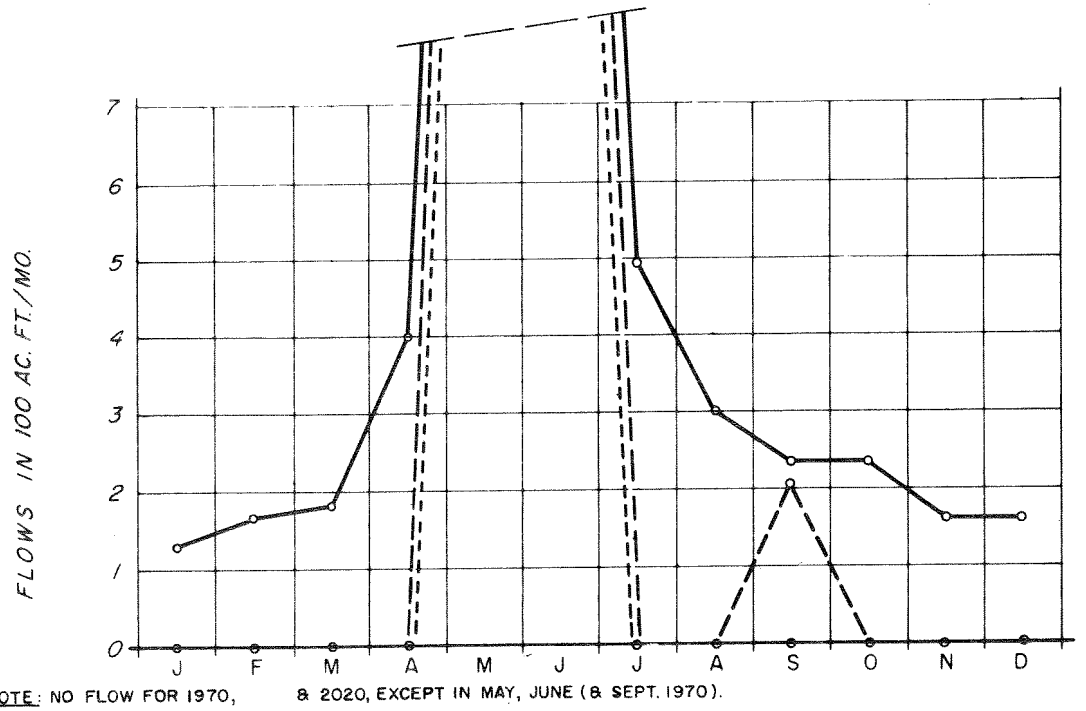


KEY MAP PENTICTON CR. Figure A147



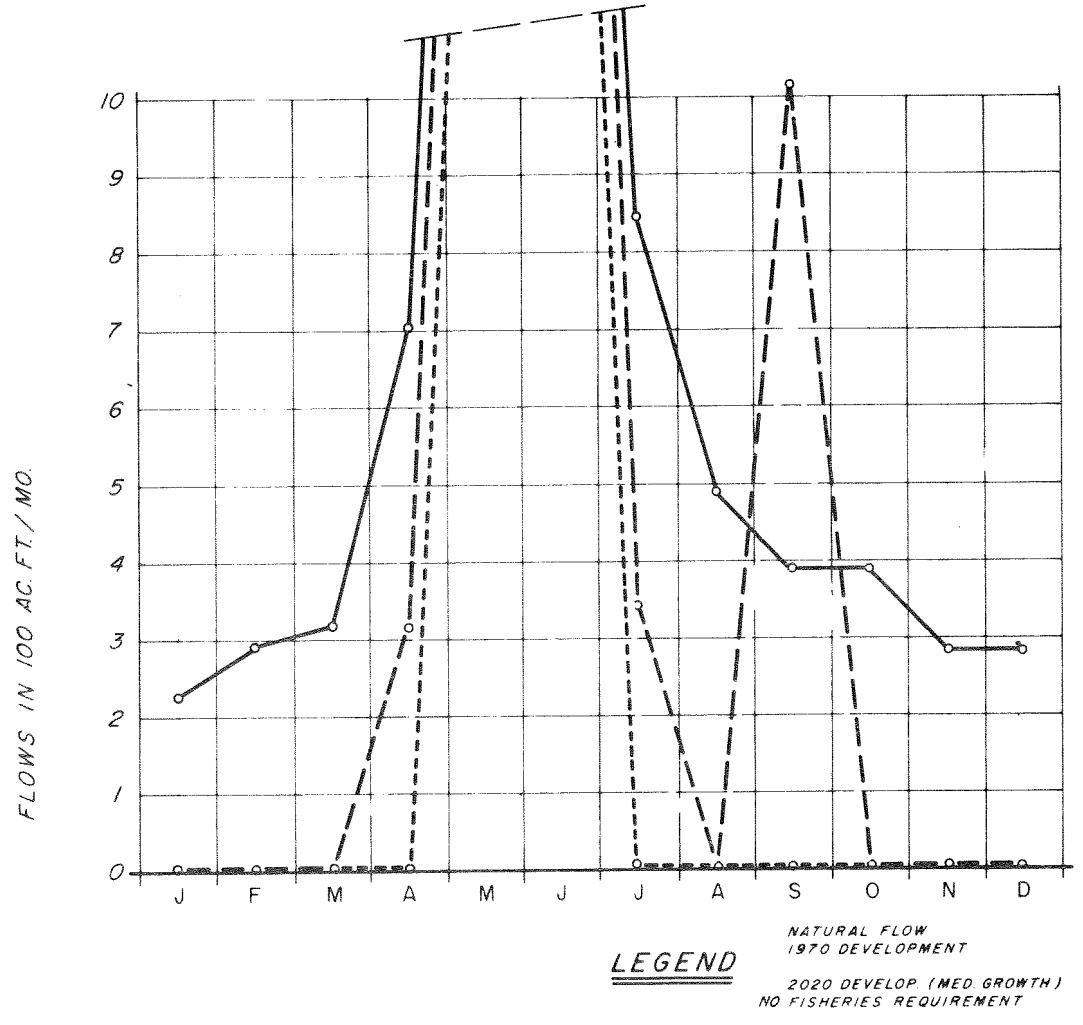
PENTICTON CR. SCHEMATIC

Figure A.148



DRY YEAR

NOTE: NO FLOW FOR 1970, & 2020, EXCEPT IN MAY, JUNE (& SEPT. 1970).



AVERAGE YEAR

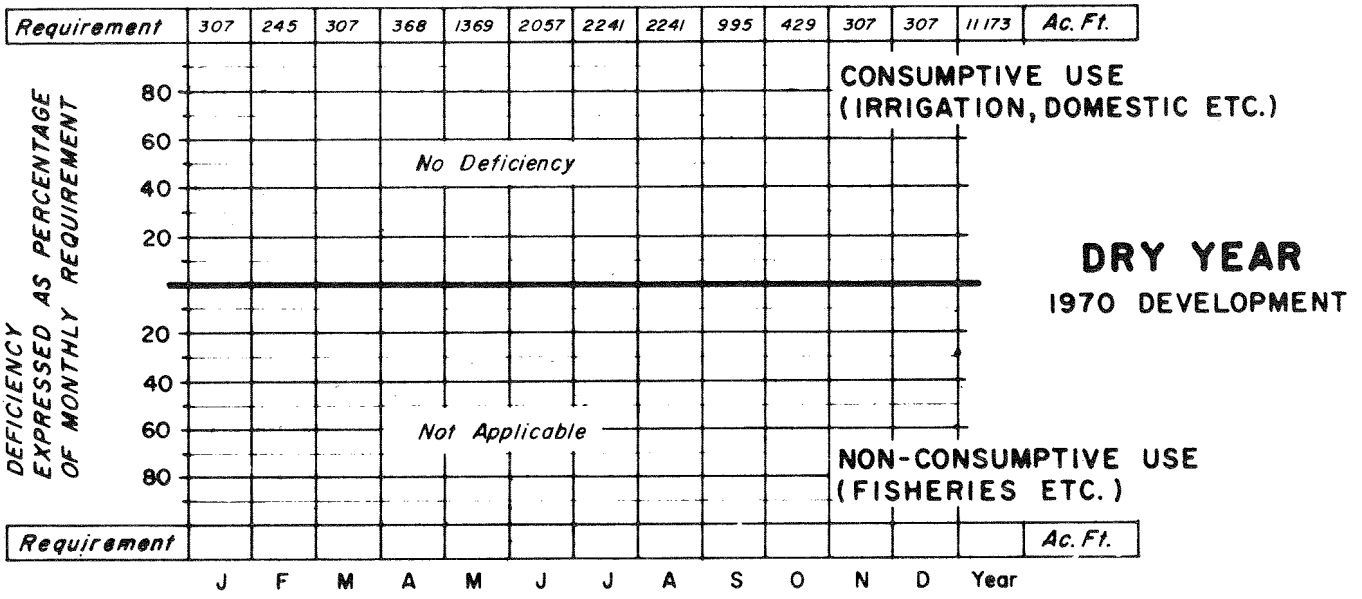
LEGEND

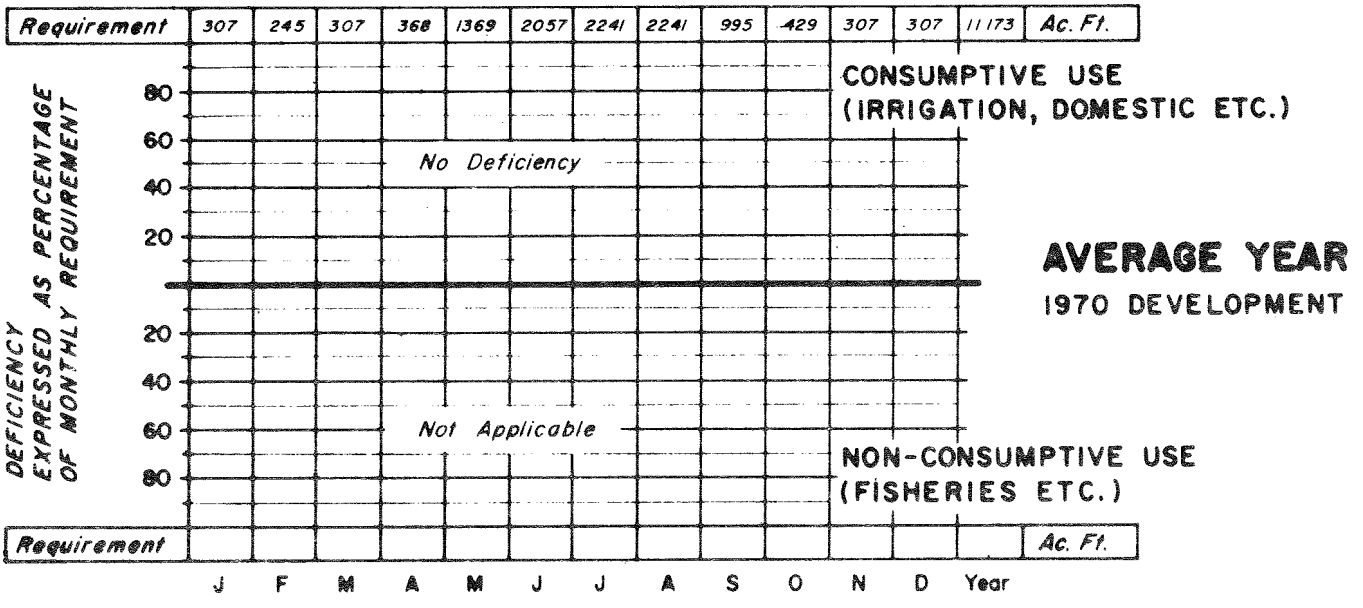
NATURAL FLOW
1970 DEVELOPMENT

2020 DEVELOP. (MED. GROWTH)
NO FISHERIES REQUIREMENT

PENTICTON CR. (MP 8)
HYDROGRAPHS OF FLOWS AT MOUTH

Figure A.149

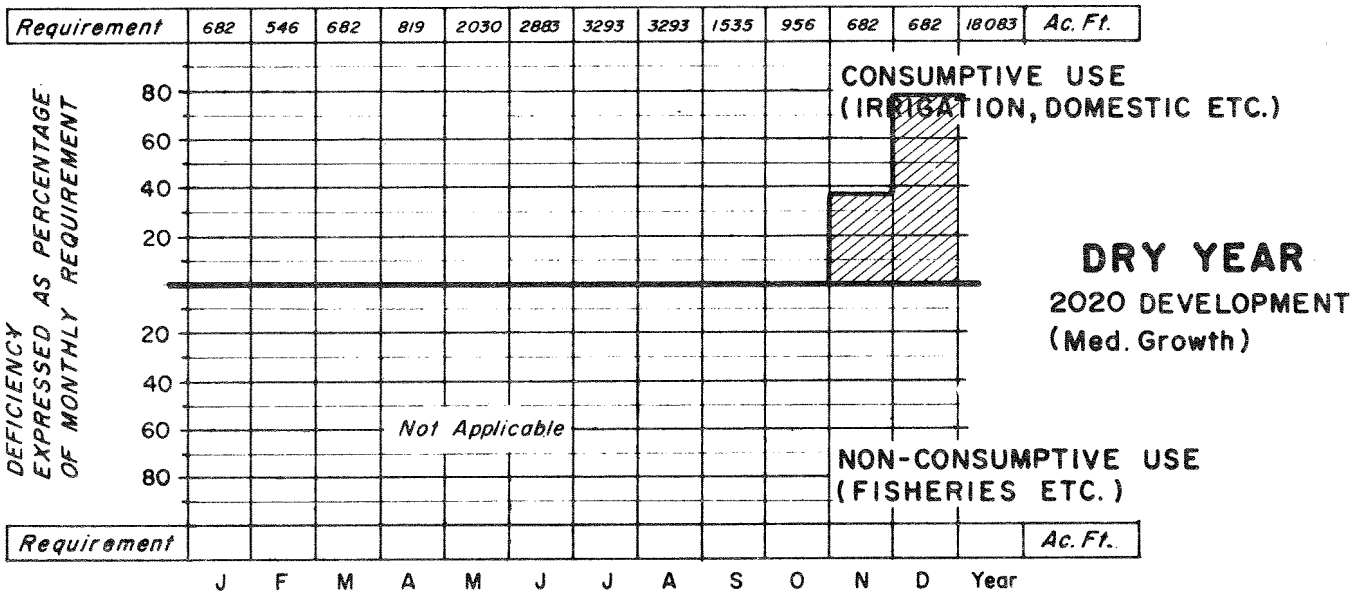


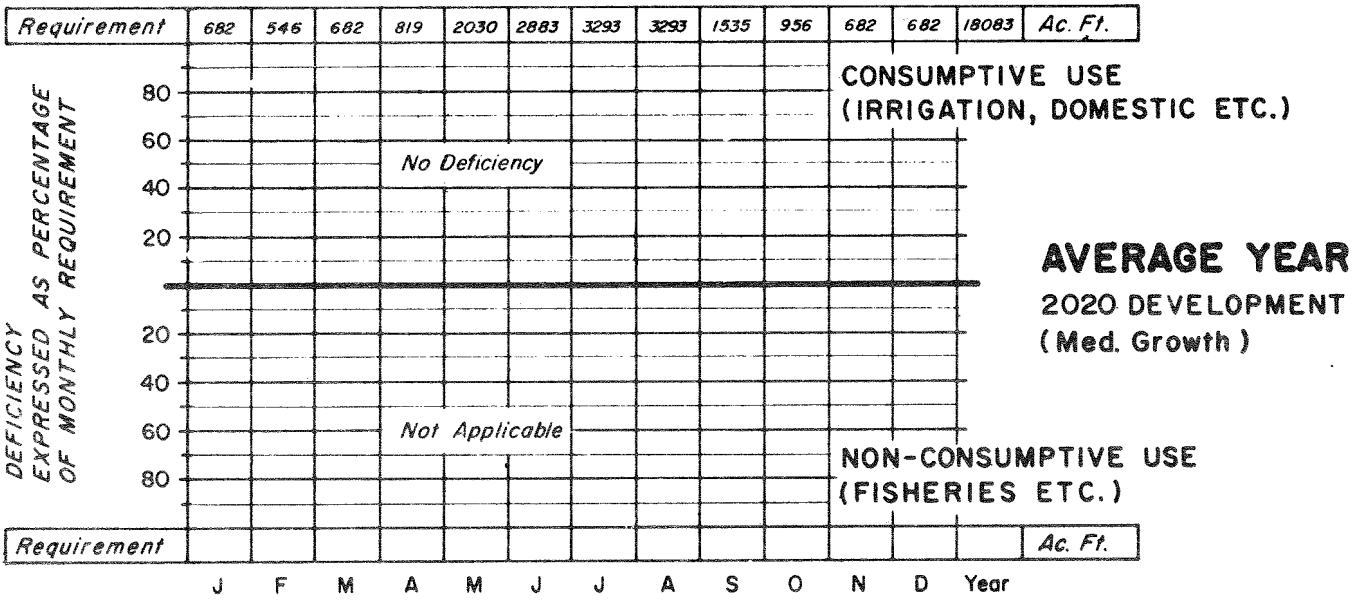


LEGEND
Historic (Simulated) Operation
Modified (Simulated) Operation

NOTES:
1. No Minimum Flow Requirement from Fisheries has been stated for Penticton Cr.
2. Non-Consumptive deficiencies are those extant at creek mouth.
3. In a Wet Year, a fisheries deficiency of 0 ac. ft. exists at mouth.

PENTICTON CR. (1970) DEFICIENCY DIAGRAM Figure A.150





LEGEND ////// Historic (Simulated) Operation

NOTES:
1. No Minimum Flow Requirement from Fisheries has been stated for Penticton Cr.
2. Consumptive Use deficiencies are totals for whole basin.
3. Non-Consumptive deficiencies are those extant at creek mouth.
4. In a Wet Year, a fisheries deficiency of 0 ac. ft. exists at mouth.

PENTICTON CR. (2020) DEFICIENCY DIAGRAM Figure A.151

Date Of Print-out:
Dec. 7, 1972

FLOWS IN AC. FT.

LOCATION	AREA IN K.AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR
CPDA 1	4.5	13.	17.	17.	41.	1658.	1224.	55.	38.	28.	28.	17.	17.	3153.
CPDA 2	0.3	1.	1.	1.	3.	123.	94.	3.	3.	2.	2.	1.	1.	237.
CPDA 3	8.2	27.	34.	34.	80.	2896.	2102.	106.	72.	53.	53.	34.	34.	5523.
CPDA 4	0.2	0.	0.	0.	1.	100.	82.	1.	1.	1.	1.	0.	0.	187.
MPDA 1	2.1	4.	4.	4.	15.	894.	898.	19.	15.	12.	12.	4.	4.	1686.
MPDA 2	14.0	41.	53.	53.	129.	5133.	3791.	170.	117.	88.	88.	53.	53.	9766.
MPDA 3	2.2	6.	8.	8.	20.	803.	594.	27.	19.	14.	14.	8.	8.	1528.
MPDA 4	6.8	18.	22.	23.	62.	2529.	1880.	79.	56.	42.	42.	22.	22.	4788.
MPDA 5	26.9	83.	105.	108.	256.	9335.	6814.	332.	222.	169.	169.	105.	105.	17802.
MPDA 6	37.9	117.	149.	161.	359.	10838.	7712.	446.	277.	216.	216.	148.	148.	20786.
MPDA 7	43.6	131.	168.	183.	402.	11392.	8029.	493.	298.	235.	235.	166.	166.	21899.
MPDA 8	44.9	131.	168.	183.	402.	11392.	8029.	493.	298.	235.	235.	166.	166.	21899.

NOTE: NO MINIMUM FLOW REQUIREMENT FROM FISHERIES HAS BEEN STATED.

PENTICTON CR. DRY YEAR (NATURAL FLOW)

Figure A.152

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
CONTROL POINT	2													
CONTROL POINT	3													
STORAGE		4943.	4866.	4742.	4778.	7674.	9776.	8028.	6086.	5120.	4926.	4786.	4846.	
CONTROL POINT	4													
MEASURING POINT	2													
FLOW		218.	130.	177.	94.	2237.	1688.	1917.	2060.	1054.	282.	193.	193.	10243.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		259.	182.	733.	222.	6438.	4712.	2080.	2166.	1135.	363.	245.	245.	18260.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		0.	0.	0.	0.	7126.	3870.	0.	0.	206.	0.	0.	0.	11202.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	756.	1260.	1260.	1260.	504.	0.	0.	0.	5040.
DEMAND, DOMESTIC		112.	89.	112.	134.	223.	290.	357.	357.	179.	156.	112.	112.	2233.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		112.	89.	112.	134.	979.	1550.	1617.	1617.	683.	156.	112.	112.	7273.
FLOW, UPSTREAM		293.	227.	285.	324.	7340.	5610.	2194.	2220.	1182.	410.	289.	289.	21263.
FLOW, DOWNSTREAM		181.	138.	173.	190.	6961.	4060.	577.	603.	499.	254.	177.	177.	13990.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DOMESTIC		195.	156.	195.	234.	390.	507.	624.	624.	312.	273.	195.	195.	3900.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		195.	156.	195.	234.	390.	507.	624.	624.	312.	273.	195.	195.	3900.
FLOW, UPSTREAM		195.	156.	195.	234.	7516.	4377.	624.	624.	518.	273.	195.	195.	15102.
FLOW, DOWNSTREAM		0.	0.	0.	0.	7126.	3870.	0.	0.	206.	0.	0.	0.	11202.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION,		0.	0.	0.	0.	756.	1260.	1260.	1260.	504.	0.	0.	0.	5040.
DEMAND, DOMESTIC		307.	245.	307.	368.	613.	797.	981.	981.	491.	429.	307.	307.	6133.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL,		307.	245.	307.	368.	1369.	2057.	2241.	2241.	995.	429.	307.	307.	11173.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

PENTICTON CR. DRY YEAR (1970)

Figure A.153

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
CONTROL POINT	2													
CONTROL POINT	3													
STORAGE		4320.	3899.	3347.	2869.	5765.	7867.	4924.	1787.	413.	0.	0.	0.	
CONTROL POINT	4													
MEASURING POINT	2													
FLOW		646.	476.	605.	608.	2237.	1688.	3112.	3255.	1462.	501.	53.	53.	14596.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		687.	526.	661.	736.	6438.	4712.	3275.	3361.	1543.	582.	108.	105.	22731.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		0.	0.	0.	0.	6375.	2932.	0.	0.	0.	0.	0.	0.	9307.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	603.	1005.	1005.	1005.	402.	0.	0.	0.	4020.
DEMAND, DOMESTIC		356.	285.	356.	427.	711.	925.	1138.	1138.	569.	498.	356.	356.	7115.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		356.	285.	356.	427.	1314.	1930.	2143.	2143.	971.	498.	356.	356.	11135.
FLOW, UPSTREAM		721.	571.	713.	838.	7940.	5610.	3389.	3415.	1590.	629.	149.	149.	25714.
FLOW, DOWNSTREAM		365.	286.	357.	411.	6626.	3680.	1246.	1272.	619.	131.	0.	0.	14993.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	207.	207.	414.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	47.	79.	79.	79.	31.	0.	0.	0.	315.
DEMAND, DOMESTIC		379.	304.	379.	455.	759.	986.	1214.	1214.	607.	531.	379.	379.	7586.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		379.	304.	379.	455.	806.	1065.	1293.	1293.	638.	531.	379.	379.	7901.
FLOW, UPSTREAM		379.	304.	379.	455.	7181.	3997.	1293.	1293.	638.	150.	18.	18.	16105.
FLOW, DOWNSTREAM		0.	0.	0.	0.	6375.	2932.	0.	0.	0.	0.	0.	0.	9307.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	381.	361.	361.	1103.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	650.	1084.	1084.	1084.	433.	0.	0.	0.	4335.
DEMAND, DOMESTIC		735.	589.	735.	882.	1470.	1911.	2352.	2352.	1176.	1029.	735.	735.	14701.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		735.	589.	735.	882.	2120.	2995.	3436.	3436.	1609.	1029.	735.	735.	19036.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	381.	568.	568.	1517.

NOTE : NO MINIMUM FLOW REQUIREMENT FOR FISHERIES HAS BEEN STATED.

PENTICTON CR. DRY YR. (2020) HIGH GROWTH

Figure A.154

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
CONTROL POINT	2													
CONTROL POINT	3													
STORAGE		4373.	3995.	3496.	3081.	5977.	8079.	5279.	2285.	985.	264.	0.	0.	
CONTROL POINT	4													
MEASURING POINT	2													
FLOW		593.	431.	552.	545.	2237.	1688.	2969.	3112.	1388.	809.	317.	53.	14694.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		634.	483.	608.	673.	6438.	4712.	3132.	3218.	1469.	890.	369.	103.	22731.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		0.	0.	0.	0.	6465.	3044.	0.	0.	0.	0.	0.	0.	9509.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	619.	1032.	1032.	1032.	413.	0.	0.	0.	4128.
DEMAND, DOMESTIC		329.	263.	329.	395.	659.	856.	1054.	1054.	527.	461.	329.	329.	6585.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		329.	263.	329.	395.	1278.	1888.	2086.	2086.	940.	461.	329.	329.	10713.
FLOW, UPSTREAM		668.	528.	660.	775.	7940.	5510.	3246.	3272.	1516.	937.	413.	149.	25714.
FLOW, DOWNSTREAM		339.	265.	331.	380.	6662.	3722.	1160.	1186.	576.	476.	84.	0.	15181.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	183.	183.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	45.	76.	76.	76.	30.	0.	0.	0.	303.
DEMAND, DOMESTIC		353.	283.	353.	424.	707.	919.	1131.	1131.	565.	495.	353.	353.	7067.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		353.	283.	353.	424.	752.	995.	1207.	1207.	595.	495.	353.	353.	7370.
FLOW, UPSTREAM		353.	283.	353.	424.	7217.	4039.	1207.	1207.	595.	495.	102.	18.	16293.
FLOW, DOWNSTREAM		0.	0.	0.	0.	6465.	3044.	0.	0.	0.	0.	0.	0.	9509.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	251.	335.	586.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	664.	1108.	1108.	1108.	443.	0.	0.	0.	4431.
DEMAND, DOMESTIC		682.	546.	682.	819.	1366.	1775.	2185.	2185.	1092.	956.	682.	682.	13652.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		682.	546.	682.	819.	2030.	2883.	3293.	3293.	1535.	956.	682.	682.	18083.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	251.	515.	765.

NOTE : NO MINIMUM FLOW REQUIREMENT FOR FISHERIES HAS BEEN STATED.

PENTICTON CR. DRY YR. (2020) MED. GROWTH

Figure A.155

Date of Print-out:
Feb. 16, 1973.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
CONTROL POINT	2													
CONTROL POINT	3													
STORAGE		4425.	4089.	3642.	3290.	6186.	8288.	5689.	2888.	1682.	1033.	570.	107.	
CONTROL POINT	4													
MEASURING POINT	2													
FLOW		541.	389.	500.	482.	2237.	1688.	2772.	2915.	1294.	737.	518.	518.	14587.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		582.	441.	556.	610.	6438.	4712.	2935.	3021.	1375.	818.	568.	568.	22624.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		0.	0.	0.	0.	6586.	3209.	0.	0.	0.	0.	0.	0.	9795.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	647.	1078.	1078.	1078.	431.	0.	0.	0.	4312.
DEMAND, DOMESTIC		305.	244.	305.	366.	611.	794.	977.	977.	489.	428.	305.	305.	6106.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		305.	244.	305.	366.	1258.	1872.	2055.	2055.	920.	428.	305.	305.	10418.
FLOW, UPSTREAM		616.	486.	608.	712.	7940.	5610.	3049.	3075.	1422.	865.	612.	612.	25607.
FLOW, DOWNSTREAM		311.	242.	303.	346.	6682.	3738.	994.	1020.	502.	437.	307.	307.	15189.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DOMESTIC		325.	260.	325.	390.	651.	846.	1041.	1041.	521.	456.	325.	325.	6506.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		325.	260.	325.	390.	651.	846.	1041.	1041.	521.	456.	325.	325.	6506.
FLOW, UPSTREAM		325.	260.	325.	390.	7237.	4055.	1041.	1041.	521.	456.	325.	325.	16301.
FLOW, DOWNSTREAM		0.	0.	0.	0.	6586.	3209.	0.	0.	0.	0.	0.	0.	9795.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	647.	1078.	1078.	1078.	431.	0.	0.	0.	4312.
DEMAND, DOMESTIC		630.	504.	630.	756.	1262.	1640.	2018.	2018.	1010.	884.	630.	630.	12612.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		630.	504.	630.	756.	1909.	2718.	3096.	3096.	1441.	884.	630.	630.	16924.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

NOTE: NO MINIMUM FLOW REQUIREMENT FOR FISHERIES HAS BEEN STATED.

PENTICTON CR. DRY YR. (2020) LOW GROWTH

Figure A.156

FLOWS IN AC. FT.

Date Of Print-out:
Dec. 7, 1972

LOCATION	AREA IN K. AC	J	F	M	A	M	J	J	A	S	O	N	D	YEAR
CPDA 1	4.5	22.	28.	26.	66.	2533.	1857.	87.	60.	44.	44.	26.	28.	4823.
CPDA 2	0.3	1.	1.	1.	4.	185.	141.	5.	4.	3.	3.	1.	1.	350.
CPDA 3	8.2	43.	55.	55.	126.	4463.	3220.	169.	114.	84.	84.	55.	55.	8522.
CPDA 4	0.2	0.	0.	0.	1.	146.	120.	1.	1.	1.	1.	0.	0.	272.
MPDA 1	2.1	9.	7.	7.	24.	1333.	1036.	29.	23.	18.	18.	7.	7.	2514.
MPDA 2	14.0	66.	85.	86.	204.	7850.	5799.	270.	184.	138.	138.	85.	85.	14950.
MPDA 3	2.2	10.	12.	13.	32.	1230.	904.	42.	29.	22.	22.	12.	12.	2342.
MPDA 4	6.8	30.	36.	37.	98.	3844.	2850.	125.	87.	66.	66.	36.	36.	7310.
MPDA 5	26.9	135.	172.	179.	413.	14383.	10418.	533.	353.	268.	268.	172.	172.	27486.
MPDA 6	37.9	199.	255.	276.	611.	17003.	11953.	748.	450.	353.	353.	252.	252.	32704.
MPDA 7	43.6	227.	291.	319.	701.	18009.	12516.	841.	489.	388.	388.	286.	286.	34739.
MPDA 8	44.9	228.	292.	320.	705.	18024.	12522.	844.	490.	389.	389.	286.	286.	34776.

PENTICTON CR. AVERAGE YEAR (NATURAL FLOW)

Figure A.157

Date of Print-out:
Oct. 20, 1972

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
CONTROL POINT	2													
CONTROL POINT	3													
STORAGE		9081.	9088.	9100.	9120.	8192.	10240.	8699.	8748.	8120.	9079.	9059.	9039.	
CONTROL POINT	4													
MEASURING POINT	2													
FLOW		146.	39.	74.	184.	4779.	3711.	2010.	1937.	1764.	179.	108.	108.	19039.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		219.	120.	107.	343.	11312.	8370.	2276.	2105.	1894.	309.	193.	193.	27591.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		1.	1.	1.	318.	13584.	8817.	344.	1.	1020.	1.	1.	1.	23690.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	756.	1260.	1260.	1260.	504.	0.	0.	0.	5040.
DEMAND, DOMESTIC		112.	89.	112.	134.	223.	290.	357.	357.	179.	156.	112.	112.	2233.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		112.	89.	112.	134.	979.	1550.	1617.	1617.	683.	156.	112.	112.	7273.
FLOW, UPSTREAM		279.	209.	264.	591.	13932.	9905.	2488.	2202.	1979.	198.	273.	273.	32799.
FLOW, DOWNSTREAM		167.	120.	152.	457.	12953.	8355.	871.	585.	1296.	238.	161.	161.	25515.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DOMESTIC		195.	156.	195.	234.	390.	507.	624.	624.	312.	273.	195.	195.	3900.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		195.	156.	195.	234.	390.	507.	624.	624.	312.	273.	195.	195.	3900.
FLOW, UPSTREAM		195.	156.	195.	547.	13959.	8918.	964.	624.	1331.	273.	195.	195.	27552.
FLOW, DOWNSTREAM		0.	0.	0.	313.	13569.	8411.	340.	0.	1019.	0.	0.	0.	23652.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	756.	1260.	1260.	1260.	504.	0.	0.	0.	5040.
DEMAND, DOMESTIC		307.	245.	307.	368.	613.	797.	981.	981.	491.	429.	307.	307.	6133.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		307.	245.	307.	368.	1369.	2057.	2241.	2241.	995.	429.	307.	307.	11173.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

NOTE: NO MINIMUM FLOW REQUIREMENT FROM FISHERIES HAS BEEN STATED.

PENTICTON CR. AVERAGE YEAR (1970)

Figure A.158

Date of Print-out:
Feb. 9, 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
CONTROL POINT	2													
CONTROL POINT	3													
STORAGE		4418.	4121.	3705.	3524.	7880.	9850.	7254.	4306.	3085.	2444.	1996.	1548.	
CONTROL POINT	4													
MEASURING POINT	2													
FLOW		574.	383.	502.	385.	3495.	3789.	2865.	3132.	1359.	779.	534.	534.	18331.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		643.	470.	595.	594.	10028.	8448.	3129.	3300.	1489.	909.	621.	621.	30867.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		1.	1.	1.	5.	11549.	7557.	4.	1.	1.	1.	1.	1.	19123.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	603.	1005.	1005.	1005.	402.	0.	0.	0.	4020.
DEMAND, DOMESTIC		356.	285.	356.	427.	711.	925.	1138.	1138.	569.	498.	356.	356.	7115.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		356.	285.	356.	427.	1314.	1930.	2143.	2143.	971.	498.	356.	356.	11135.
FLOW, UPSTREAM		707.	553.	692.	792.	12648.	9983.	3343.	3397.	1874.	994.	701.	701.	36085.
FLOW, DOWNSTREAM		351.	268.	336.	365.	11334.	8053.	1200.	1254.	603.	496.	345.	345.	24950.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	47.	79.	79.	79.	31.	0.	0.	0.	315.
DEMAND, DOMESTIC		379.	304.	379.	455.	759.	986.	1214.	1214.	607.	531.	379.	379.	7586.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		379.	304.	379.	455.	806.	1065.	1293.	1293.	638.	531.	379.	379.	7901.
FLOW, UPSTREAM		379.	304.	379.	455.	12340.	8616.	1293.	1293.	638.	531.	379.	379.	25985.
FLOW, DOWNSTREAM		0.	0.	0.	0.	11534.	7551.	0.	0.	0.	0.	0.	0.	19085.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	650.	1084.	1084.	1084.	433.	0.	0.	0.	4335.
DEMAND, DOMESTIC		735.	589.	735.	882.	1470.	1911.	2352.	2352.	1176.	1029.	735.	735.	14701.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		735.	589.	735.	882.	2120.	2995.	3436.	3436.	1609.	1029.	735.	735.	19036.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

NOTE: NO MINIMUM FLOW REQUIREMENT FOR FISHERIES HAS BEEN STATED.

PENTICTON CR. AVG. YR. (2020) HIGH GROWTH

Figure A.159

Date of Print - out :
Feb.12, 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
CONTROL POINT	2													
CONTROL POINT	3													
STORAGE		4471.	4217.	3854.	3736.	7880.	9850.	7397.	4592.	3445.	2877.	2482.	2087.	
CONTROL POINT	4													
MEASURING POINT	2													
FLOW		521.	340.	449.	322.	3707.	3789.	2722.	2989.	1285.	706.	481.	481.	17792.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		590.	427.	542.	531.	10240.	8448.	2986.	3157.	1415.	835.	568.	568.	30309.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		1.	1.	1.	5.	11851.	7669.	4.	1.	1.	1.	1.	1.	19537.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	619.	1032.	1032.	1032.	413.	0.	0.	0.	4128.
DEMAND, DOMESTIC		329.	263.	329.	395.	659.	856.	1054.	1054.	527.	461.	329.	329.	6585.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		329.	263.	329.	395.	1278.	1888.	2086.	2086.	940.	461.	329.	329.	10713.
FLOW, UPSTREAM		654.	510.	639.	729.	12850.	9983.	3200.	3254.	1500.	921.	648.	648.	35546.
FLOW, DOWNSTREAM		325.	247.	310.	334.	11582.	8095.	1114.	1168.	560.	460.	319.	319.	24833.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	45.	76.	76.	76.	30.	0.	0.	0.	303.
DEMAND, DOMESTIC		353.	283.	353.	424.	707.	919.	1131.	1131.	565.	495.	353.	353.	7067.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		353.	283.	353.	424.	752.	995.	1207.	1207.	595.	495.	353.	353.	7370.
FLOW, UPSTREAM		353.	283.	353.	424.	12588.	8658.	1207.	1207.	595.	495.	353.	353.	26869.
FLOW, DOWNSTREAM		0.	0.	0.	0.	11836.	7663.	0.	0.	0.	0.	0.	0.	19499.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	664.	1108.	1108.	1108.	443.	0.	0.	0.	4431.
DEMAND, DOMESTIC		682.	546.	682.	819.	1366.	1775.	2185.	2185.	1092.	956.	682.	682.	13652.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		682.	546.	682.	819.	2030.	2883.	3293.	3293.	1535.	956.	682.	682.	18083.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

NOTE : NO MINIMUM FLOW REQUIREMENT FOR FISHERIES HAS BEEN STATED

PENTICTON CR. AVG. YR. (2020) MED.GROWTH

Figure A.160

Date of Print - out:
Feb. 16, 1973.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
CONTROL POINT	2													
CONTROL POINT	3													
STORAGE		4523.	4311.	4000.	3945.	7880.	9850.	7594.	4986.	3933.	3437.	3094.	2751.	
CONTROL POINT	4													
MEASURING POINT	2													
FLOW		469.	298.	397.	259.	3916.	3789.	2525.	2792.	1191.	634.	429.	429.	17128.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		538.	385.	490.	468.	10449.	8448.	2789.	2960.	1321.	764.	516.	516.	29644.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		1.	1.	1.	5.	12181.	7834.	4.	1.	1.	1.	1.	1.	20032.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	647.	1078.	1078.	1078.	431.	0.	0.	0.	4312.
DEMAND, DOMESTIC		305.	244.	305.	366.	611.	794.	977.	977.	489.	428.	305.	305.	6106.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		305.	244.	305.	366.	1258.	1872.	2055.	2055.	920.	428.	305.	305.	10418.
FLOW, UPSTREAM		602.	468.	587.	666.	13069.	9983.	3003.	3057.	1406.	849.	596.	596.	34882.
FLOW, DOWNSTREAM		297.	224.	282.	300.	11811.	8111.	948.	1002.	486.	421.	291.	291.	24464.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DOMESTIC		325.	260.	325.	390.	651.	846.	1041.	1041.	521.	456.	325.	325.	6506.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		325.	260.	325.	390.	651.	846.	1041.	1041.	521.	456.	325.	325.	6506.
FLOW, UPSTREAM		325.	260.	325.	390.	12817.	8674.	1041.	1041.	521.	456.	325.	325.	26500.
FLOW, DOWNSTREAM		0.	0.	0.	0.	12166.	7828.	0.	0.	0.	0.	0.	0.	19994.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	647.	1078.	1078.	1078.	431.	0.	0.	0.	4312.
DEMAND, DOMESTIC		630.	504.	630.	756.	1262.	1640.	2018.	2018.	1010.	884.	630.	630.	12612.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		630.	504.	630.	756.	1909.	2718.	3096.	3096.	1441.	884.	630.	630.	16924.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

NOTE : NO MINIMUM FLOW REQUIREMENT FOR FISHERIES HAS BEEN STATED.

PENTICTON CR. AVG. YR. (2020) LOW GROWTH

Figure A.161

Date Of Print-out:
Dec. 7, 1972

FLOWS IN AC. FT.

LOCATION	AREA IN K.AC.	J	F	M	A	M	J	J	A	S	O	N	D	YEAR
CPDA 1	4.5	36.	46.	46.	108.	4050.	2957.	143.	97.	72.	72.	46.	46.	7718.
CPDA 2	0.3	2.	2.	2.	6.	292.	222.	8.	6.	4.	4.	2.	2.	552.
CPDA 3	8.2	71.	91.	91.	207.	7176.	5155.	278.	187.	137.	137.	91.	91.	13711.
CPDA 4	0.2	0.	0.	0.	2.	225.	185.	2.	2.	2.	2.	0.	0.	420.
MPDA 1	2.1	9.	11.	11.	38.	2095.	1625.	47.	36.	29.	29.	11.	11.	3953.
MPDA 2	14.0	110.	142.	143.	335.	12562.	9174.	444.	301.	224.	224.	142.	142.	23944.
MPDA 3	2.2	17.	21.	21.	53.	1969.	1442.	69.	48.	36.	36.	21.	21.	3752.
MPDA 4	6.8	49.	60.	62.	160.	6142.	4534.	205.	142.	108.	108.	80.	80.	11689.
MPDA 5	26.9	227.	291.	303.	688.	23177.	16688.	888.	581.	442.	442.	291.	291.	44309.
MPDA 6	37.9	353.	453.	494.	1100.	27977.	19480.	1317.	762.	603.	603.	444.	464.	53990.
MPDA 7	43.6	413.	529.	584.	1306.	29924.	20500.	1520.	839.	674.	674.	513.	513.	57988.
MPDA 8	44.9	419.	536.	591.	1338.	30026.	20843.	1548.	844.	679.	679.	518.	518.	58232.

PENTICTON CR. WET YEAR (NATURAL FLOW)

Figure A.162

Date of Print-out:
Oct. 20, 1972

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
CONTROL POINT	2													
CONTROL POINT	3													
STORAGE		5120.	5120.	5120.	5120.	8192.	10240.	8499.	6861.	5120.	5120.	5120.	5120.	
CONTROL POINT	4													
MEASURING POINT	2													
FLOW		110.	142.	142.	335.	9491.	7126.	2184.	1938.	1965.	224.	142.	142.	23941.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		227.	291.	302.	688.	20106.	14641.	2629.	2218.	2188.	442.	291.	291.	44314.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		111.	290.	282.	968.	25503.	16438.	1046.	240.	1410.	250.	211.	211.	47060.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	756.	1260.	1260.	1260.	504.	0.	0.	0.	5040.
DEMAND, DOMESTIC		112.	89.	112.	134.	223.	290.	357.	357.	179.	156.	112.	112.	2233.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		112.	89.	112.	134.	979.	1550.	1617.	1617.	683.	156.	112.	112.	7273.
FLOW, UPSTREAM		353.	453.	494.	1100.	24905.	17392.	3058.	2399.	2349.	603.	444.	444.	53993.
FLOW, DOWNSTREAM		241.	364.	381.	966.	23926.	15842.	1441.	782.	1666.	447.	332.	332.	46720.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DOMESTIC		195.	156.	195.	234.	390.	507.	624.	624.	312.	273.	195.	195.	3900.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		195.	156.	195.	234.	390.	507.	624.	624.	312.	273.	195.	195.	3900.
FLOW, UPSTREAM		300.	439.	470.	1172.	25873.	16902.	1644.	859.	1737.	518.	401.	401.	50716.
FLOW, DOWNSTREAM		105.	283.	275.	938.	25483.	16395.	1020.	235.	1425.	245.	206.	206.	46816.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	756.	1260.	1260.	1260.	504.	0.	0.	0.	5040.
DEMAND, DOMESTIC		307.	245.	307.	368.	613.	797.	981.	981.	491.	429.	307.	307.	6133.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		307.	245.	307.	368.	1369.	2057.	2241.	2241.	995.	429.	307.	307.	11173.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

NOTE: NO MINIMUM FLOW REQUIREMENT FROM FISHERIES HAS BEEN STATED.

PENTICTON CR. WET YEAR (1970)

Figure A.163

Date of Print-out:
Feb. 9 , 1973.

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
CONTROL POINT	2													
CONTROL POINT	3													
STORAGE		4602.	4541.	4388.	4596.	7880.	9850.	7934.	5336.	4406.	4051.	3829.	3607.	
CONTROL POINT	4													
MEASURING POINT	2													
FLOW		433.	203.	295.	127.	9279.	7204.	2359.	2898.	1154.	579.	364.	364.	25259.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		550.	352.	455.	480.	19894.	14719.	2804.	3178.	1377.	797.	513.	513.	45632.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		6.	7.	7.	246.	24620.	15578.	25.	5.	5.	5.	5.	5.	40515.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	603.	1005.	1005.	1005.	402.	0.	0.	0.	4020.
DEMAND, DOMESTIC		356.	285.	356.	427.	711.	925.	1138.	1138.	569.	498.	356.	356.	7115.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		356.	285.	356.	427.	1314.	1930.	2143.	2143.	971.	498.	356.	356.	11135.
FLOW, UPSTREAM		676.	514.	646.	892.	24693.	17470.	3233.	3359.	1538.	958.	666.	655.	55311.
FLOW, DOWNSTREAM		320.	229.	290.	465.	23379.	15540.	1090.	1216.	567.	460.	310.	310.	44176.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	47.	79.	79.	79.	31.	0.	0.	0.	315.
DEMAND, DOMESTIC		379.	304.	379.	455.	759.	986.	1214.	1214.	607.	531.	379.	379.	7586.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		379.	304.	379.	455.	806.	1065.	1293.	1293.	638.	531.	379.	379.	7901.
FLOW, UPSTREAM		379.	304.	379.	671.	25326.	16600.	1293.	1293.	638.	531.	379.	379.	48172.
FLOW, DOWNSTREAM		0.	0.	0.	216.	24520.	15535.	0.	0.	0.	0.	0.	0.	40271.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	650.	1084.	1084.	1084.	433.	0.	0.	0.	4335.
DEMAND, DOMESTIC		735.	589.	735.	882.	1470.	1911.	2352.	2352.	1176.	1029.	735.	735.	14701.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		735.	589.	735.	882.	2120.	2995.	3436.	3436.	1609.	1029.	735.	735.	19035.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

NOTE : NO MINIMUM FLOW REQUIREMENT FOR FISHERIES HAS BEEN STATED.

PENTICTON CR. WET YR. (2020) HIGH GROWTH

Figure A.164

Date of Print - out :
Feb.12, 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
CONTROL POINT	2													
CONTROL POINT	3													
STORAGE		4655.	4637.	4537.	4745.	7880.	9850.	8077.	5622.	4766.	4484.	4315.	4146.	
CONTROL POINT	4													
MEASURING POINT	2													
FLOW		380.	160.	242.	127.	9428.	7204.	2216.	2755.	1080.	506.	311.	311.	24720.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		497.	309.	402.	480.	20043.	14719.	2661.	3035.	1303.	724.	460.	460.	45093.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		6.	7.	7.	309.	24859.	15690.	26.	5.	5.	5.	5.	5.	40929.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	619.	1032.	1032.	1032.	413.	0.	0.	0.	4128.
DEMAND, DOMESTIC		329.	263.	329.	395.	659.	856.	1054.	1054.	527.	461.	329.	329.	5585.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		329.	263.	329.	395.	1278.	1888.	2086.	2086.	940.	461.	329.	329.	10713.
FLOW, UPSTREAM		623.	471.	593.	892.	24842.	17470.	3090.	3216.	1464.	885.	613.	613.	54722.
FLOW, DOWNSTREAM		294.	208.	264.	497.	23564.	15582.	1004.	1130.	524.	424.	284.	284.	44059.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	45.	76.	76.	76.	30.	0.	0.	0.	303.
DEMAND, DOMESTIC		353.	283.	353.	424.	707.	919.	1131.	1131.	565.	495.	353.	353.	7067.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		353.	283.	353.	424.	752.	995.	1207.	1207.	595.	495.	353.	353.	7370.
FLOW, UPSTREAM		353.	283.	353.	703.	25511.	16642.	1207.	1207.	595.	495.	353.	353.	48055.
FLOW, DOWNSTREAM		0.	0.	0.	279.	24759.	15647.	0.	0.	0.	0.	0.	0.	40685.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	664.	1108.	1108.	1108.	443.	0.	0.	0.	4431.
DEMAND, DOMESTIC		682.	546.	682.	819.	1366.	1775.	2185.	2185.	1092.	956.	682.	682.	13652.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		682.	546.	682.	819.	2030.	2883.	3293.	3293.	1535.	956.	682.	682.	18083.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

NOTE : NO MINIMUM FLOW REQUIREMENT FOR FISHERIES HAS BEEN STATED.

PENTICTON CR. WET YR. (2020) MED. GROWTH

Figure A.165

Date of Print-out:
Feb. 16, 1973

STORAGES GIVEN ARE FOR THE END OF THE MONTH
UNITS FOR DEMANDS, STORAGES, FLOWS, AND DEFICIENCIES ARE ACRE FEET

		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
CONTROL POINT	1													
CONTROL POINT	2													
CONTROL POINT	3													
STORAGE		4707.	4731.	4683.	4891.	7880.	9850.	8175.	5917.	4925.	4715.	4598.	4481.	
CONTROL POINT	4													
MEASURING POINT	2													
FLOW		328.	118.	190.	127.	9574.	7204.	2118.	2558.	1217.	434.	259.	259.	24385.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	5													
FLOW		445.	267.	350.	480.	20189.	14719.	2563.	2838.	1440.	652.	408.	408.	44758.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MEASURING POINT	8													
FLOW		6.	7.	7.	372.	25126.	15855.	125.	5.	236.	5.	5.	5.	41753.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	1													
DEMAND, IRRIGATION		0.	0.	0.	0.	647.	1078.	1078.	1078.	431.	0.	0.	0.	4312.
DEMAND, DOMESTIC		305.	244.	305.	366.	611.	794.	977.	977.	489.	428.	305.	305.	6106.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		305.	244.	305.	366.	1258.	1872.	2055.	2055.	920.	428.	305.	305.	10418.
FLOW, UPSTREAM		571.	429.	541.	892.	24988.	17470.	2992.	3019.	1601.	813.	561.	561.	54437.
FLOW, DOWNSTREAM		266.	185.	236.	526.	23730.	15598.	937.	964.	681.	385.	256.	256.	44019.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
USE POINT	2													
DEMAND, IRRIGATION		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, DOMESTIC		325.	260.	325.	390.	651.	846.	1041.	1041.	521.	456.	325.	325.	6506.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		325.	260.	325.	390.	651.	846.	1041.	1041.	521.	456.	325.	325.	6506.
FLOW, UPSTREAM		325.	260.	325.	732.	25677.	16658.	1140.	1041.	752.	456.	325.	325.	48015.
FLOW, DOWNSTREAM		0.	0.	0.	342.	25026.	15812.	99.	0.	231.	0.	0.	0.	41509.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
GRAND TOTALS FOR ALL THE USE POINTS:														
DEMAND, IRRIGATION		0.	0.	0.	0.	647.	1078.	1078.	1078.	431.	0.	0.	0.	4312.
DEMAND, DOMESTIC		630.	504.	630.	756.	1262.	1640.	2018.	2018.	1010.	884.	630.	630.	12612.
DEMAND, INDUSTRIAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEMAND, TOTAL		630.	504.	630.	756.	1909.	2718.	3096.	3096.	1441.	884.	630.	630.	16924.
DEMAND, DEFICIENCY		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

NOTE: NO MINIMUM FLOW REQUIREMENT FOR FISHERIES HAS BEEN STATED.

PENTICTON CR. WET YR. (2020) LOW GROWTH

Figure A.166

APPENDIX A-11

OKANAGAN BASIN STUDY
FLOWS IN THE MAIN TRIBUTARY BASINS

APPENDIX A-11
OKANAGAN BASIN STUDY
FLOWS IN THE MAIN TRIBUTARY BASINS

A.11.1 GENERAL

As described in the report, "Computer Method of Distributing Okanagan Basin Flows by Sub-Basins," (issued in draft form in June 1971) preliminary estimates were made of the monthly flows from 36 sub-basins for the period of record 1921-1969. Since data were scarce and scattered, a simplified "model" had to be used. The results were considered to represent a reasonable first approximation to the actual flows which had occurred, with the exception of Trout Creek and adjacent basins where there were serious discrepancies between recorded flows and flows computed by the model. It was therefore thought that with the exception of the flows in Trout Creek the results were adequate for preliminary planning purposes; also since Trout Creek flows were overestimated but the basin totals were correct, the computed flows in the other sub-basins would tend to err on the low or "safe" side.

In the Fall of 1971 the Trout Creek basin was selected for a detailed pilot water management study; and since data on flows during the critical dry period is basic to any such study, it was obvious that better estimates were required than those provided by the above model. In the Okanagan the three year period 1929-31 was the critical period. Since it was also proposed to carry out studies of seven other large sub-basins, and since hydrologic data would be equally important to them, further studies have been made to prepare new estimates of the flows which occurred during the drought period 1929-31, in the eight sub-basins. As outlined in the following sections, full advantage has been taken of all the information presently available.

A.11.2 AVAILABLE DATA

For the present study, the output from the previous study in the form of estimated flows in the sub-basins and the distribution of precipitation evaporation and runoff throughout the basin for the period 1921-69 were available. In addition the model was run and data were obtained for 1970, a very dry year. Data allowing computation of natural discharges in 1970 were also available in the form of recorded discharges at the mouths of the various creeks, information on the amount of land under irrigation within each drainage basin, and on the change in storage in the major reservoirs.

Without doing a considerable amount of detailed work none of the estimates could be considered as being completely reliable, since most of the major creeks had diversions into or out of them, and minor storages which were not recorded. Also estimates of areas irrigated from each creek and the consumptive use of water per acre irrigated probably contained inaccuracies. It was therefore not possible to consider any particular piece of data as being precise. Taken together, however, the data provided a considerable amount of information about the distribution of flows in 1970. In addition, a hydrologic simulation model developed by M.C. Quick and A. Pipes for the Fraser River basin and adapted to the Okanagan basin provided output for the year 1970 and this gave additional insight into the distribution of flows.

A.11.3 METHOD

The basic method was to try and use all the available data and try to develop a consistent pattern for the runoff in 1970, the best documented dry year, and then relate flows during the drought period 1929-31 to the flows in 1970. Results are presented in a form which enables flows to be computed for any sub-basin in any of the main tributaries. There are almost certainly anomalies and inaccuracies in detail but the overall pattern is believed to be reasonably representative. It is hoped that they will be adequate for study purposes.

a) Relation with 1970

The relationship between flows in the three years of the drought period 1929, 1930 and 1931 to the "base" year of 1970, the dry year with the most data, is given in Table A.9. The percentages shown were estimated from the preliminary computer model described in the draft report, Computer Method for Distributing Okanagan Basin Flows by Sub-Basin." Using Table A.9, data for 1970 can be converted to data for 1929, 1930 and 1931.

b) Variation of Runoff

The variation of total annual runoff with elevation in 1970 for the various sub-basins is given in Table A.10. It is believed that the figures tend to underestimate the contribution from the high areas and overestimate the contribution from the lower areas - thus tending to err on the safe side for studies involving the regulation of upland reservoirs.

c) Distribution of Annual Runoff by Months.

Table A.11 gives the distribution of annual runoff by month for 1970. These distributions were obtained by plotting mass curves for selected tributaries and interpolating. The pattern of flow in any particular sub-basin is highly dependent on local conditions such as exposure, groundwater flows, etc.,

TABLE A.9

OKANAGAN TRIBUTARY FLOWS DURING 1929-31

CREEK	FLOWS AS % OF 1970 FLOW		
	1929	1930	1931
VERNON	97	92	78
KELOWNA	98	93	79
MISSION	98	94	80
PENTICTON	99	95	81
EQUESIS	97	92	78
POWERS	98	93	80
PEACHLAND	99	94	82
TROUT	100	95	83

TABLE A.10

1970 RUNOFF IN INCHES

ELEVATION BAND	"BASE" RUNOFF IN INCHES	
Over 6500	19.6	
6000 - 6500	15.0	These figures multiplied by 100% for Vernon, Kelowna and Mission
5500 - 6000	11.1	
5000 - 5500	7.7	
4500 - 5000	5.0	by 75% for Penticton
4000 - 4500	3.0	by 92.5% for Equesis
3500 - 4000	1.5	by 87.5% for Powers and Peachland
3000 - 3500	.7	
3500 - 3000	0	by 33.3% for Trout Creek*
2000 - 2500	0	

* Trout Creek in rain shadow -- so has lower precipitation. Also there may be considerable groundwater -- which does not show up in the Creek -- and hence is not available for regulation.

TABLE A.11

DISTRIBUTION OF ANNUAL RUNOFF BY MONTH

BAND ELEV.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.
Over 6500	2	21	26	23	15	2.35
6000 - 6500	4	24	29	18	13	1.35
5500 - 6000	6	28	31	13	10	1.35
5000 - 5500	8	33	29	12	6	1.35
4500 - 5000	9	41	24	10	3.5	.85
4000 - 4500	10	48	21	6	3.5	.85
3500 - 4000	12	56	15	3	2.5	.85
3000 - 3500	13	60	13	1.5	1.0	.85
2500 - 3000	14	61	12	1	.8	.55
All Bands	JAN.	FEB.	MAR.	OCT.	NOV.	DEC.
	.77	2.47	5.1	.77	.77	.77

but the figures in Table A.11 are considered to be broadly representative. No attempt has been made to vary the pattern of flow with elevation for the period October to March.

d) Area Elevation Data

Area elevation data for the eight tributary basins are given in Table A.12.

e) Comparison of Computed and Recorded Flows

Table A.13 gives a comparison of computed and "estimated from records" flows for the eight sub-basins. The computed flows were obtained from Tables A.10 and A.12. It will be noted that there are some discrepancies, but the explanations for these are offered. It was considered preferable to maintain a coherent overall pattern at the expense of some local discrepancies rather than match up the figures closely at the expense of coherence in the overall pattern.

A.11.4 SUMMARY

Using Table A.9, A.10 and A.11 monthly estimates of flow during the drought period 1929 to 1931 can be estimated for any sub-basin of Vernon, Kelowna, Mission, Penticton, Equesis, Powers, Peachland or Trout Creek. There will no doubt be local inaccuracies but the information in the tables represent the writer's best judgement at this time.

TABLE A-12

AREA ELEVATION DATA

ELEVATION BAND (ft)	DRAINAGE AREA (ACRES)							
	VERNON	KELOWNA	MISSION	PENTICTON	EQUESIS	POWERS	PEACHLAND	TROUT
Over 6500	--	--	1,297	404	--	--	--	57
6000 - 6500	19	--	16,821	5,694	--	12	7	4,524
5500 - 6000	374	--	24,107	10,442	292	520	1,455	20,662
5000 - 5500	4,054	2,378	24,172	11,797	5,141	1,750	3,268	33,910
4500 - 5000	28,712	13,478	42,696	5,858	7,596	9,100	3,928	41,038
4000 - 4500	23,874	6,417	42,377	2,261	11,636	8,720	9,623	30,147
3500 - 4000	17,424	3,478	20,684	1,892	8,455	4,250	5,958	10,597
3000 - 3500	17,560	3,724	15,480	1,719	5,862	1,770	5,270	14,541
2500 - 3000	15,879	2,891	9,599	1,559	4,637	2,110	3,261	10,207
2000 - 2500	19,390	3,923	5,168	1,435	3,309	1,100	1,442	9,941
1500 - 2000	32,243	7,202	7,589	937	1,837	1,050	277	4,334
Below 1500	27,270	8,809	5,038	417	622	360	90	1,121

TABLE A-13

COMPARISON OF ESTIMATES OF RUNOFF FOR 1970
(in thousand acre feet)

CREEK	RECORDED[1] FLOW	IRRIGATION[2] REQUIREMENT	OVER YEAR[3] STORAGE CHANGE	NATURAL[4] FLOW	ESTI-[5] MATE	REMARKS
VERNON	15.5	17.0	11.0	21.5	24.1	Difficult to take account of diversions, etc.
KELOWNA	6.5	11.0	1.0	16.5	9.5	Probably overestimated irrigation need.
MISSION	72.5	28.5	3.0	98.0	93.3	
PENTICTON	--	7.0	1.0	--	21.2	Earlier records showed correct order of magnitude.
EQUESIS	8.6	1.2	--	9.8	9.9	
POWERS	7.5	4.6	.5	11.6	7.2	Diversions not counted in estimate - area irrigated probably over-estimated.
PEACHLAND	7.1	2.1	1.7	7.5	7.2	
TROUT	8.8	17.0	2.6	23.2	25.0	

NOTES: [1] In most cases recorded at the mouth

[2] Estimated by multiplying the area irrigated by the water use (water use estimated between licensed duty and consumptive use - depending on estimate of how much return water would appear in the creek). Appreciable errors possible.

[3] Estimated from records of major storages near beginning and end of 1970.

[4] Col. 1 + Col. 2 - Col. 3.

[5] Estimated by method explained in the text.

APPENDIX B

TRIBUTARY FLOW DISTRIBUTION MODEL RESULTS

B-1 Computer Print-Outs of Estimated Monthly Natural Discharges of Tributaries at their Mouths. Print-Outs are for Each Year for the Period of Record, April 1921 to March 1970, Inclusive

B-2 Computer Print-Outs of Estimated Monthly Natural Discharges of Tributaries at their Mouths. Print-Outs are by Tributary for the 50 Year Study Period.

APPENDIX B

TRIBUTARY FLOW DISTRIBUTION MODEL RESULTS

(Derived Natural Historic Monthly Discharges at Mouths of 36 Tributary Streams in the Okanagan Basin, 1921 to 1970)

The tributary flow distribution model which provided estimates of natural flows at the mouths of 26 tributaries and 9 low lying areas of Okanagan Basin over the 50 year study period (1921-1970) is described in detail in Technical Supplement II - Water Quantity Computer Models. These estimates were the first ones made for the tributaries and were followed later by more detailed studies of the 8 most heavily utilized tributaries as outlined in Appendix A of this Technical Supplement.

TRIBUTARY FLOW DISTRIBUTION

The model is a physical one. Meteorological data from a few long term stations at different elevations were used to derive general relationships between precipitation, potential evaporation and actual evaporation. Simple assumptions were made about the variation in precipitation with elevation and latitude.

With these, estimates were made of the annual precipitation and actual evapotranspiration and, by subtraction, runoff from each of the elevation bands of each of the sub-basins for each of the years of record. The comparison between computed and recorded values of the runoff from those sub-basins with records provided the necessary criteria for adjusting the parameter or model.

RESULTS (Appendix B-1 and B-2)

In the first set of computer print outs estimated monthly natural discharges of each of the 28 tributaries at their mouths and 8 low lying areas for each year starting in April are shown. The upper portion of the page contains the creeks which are tributary to Okanagan Lake while the lower portion covers the tributaries south of Okanagan Lake. In both instances, totals for all creeks for each month as well as annual totals for each creek are shown.

In the second set of print outs each sheet covers one tributary over the 50 year study period followed by a second sheet showing the percent flow exceeding by the month. For reference a fold out map is contained at the back of the map showing the 35 selected tributaries as well as some 9 low lying areas for which computer print outs have also been obtained. The latter have been included in order to provide a full accounting of the total estimated natural runoff.

DISCUSSION

Major discrepancies between recorded and calculated flows were apparent in Trout and Park Rill Creeks. In both cases, the mathematical model consistantly

predicted considerably higher flows than had been recorded; in the case of Trout Creek by up to 200% and in Park Rill up to 1,000%. After considerable thought, it was decided that as the discrepancies were so great, the flow in these two creeks should be left as calculated by the model rather than changed to their recorded flows. Since the method always gave the correct total, this meant the estimates of the other creeks would be, if anything, on the low side, thus giving a small factor of safety when matching supply and demand.

The methodology developed in the course of this modelling proved useful in later work. The model also showed up some of the areas in which there were hydrologic problems and which required further investigation.

APPENDIX B-1

COMPUTER PRINT-OUTS OF ESTIMATED MONTHLY NATURAL DISCHARGES OF TRIBUTARIES AT THEIR MOUTHS. PRINT-OUTS ARE FOR EACH YEAR FOR THE PERIOD OF RECORD, APRIL 1921 TO MARCH 1970, INCLUSIVE

(SEE APPENDIX B-2 FOR PRINT-OUTS BY TRIBUTARY AND REFERENCE MAP AT BACK OR APPENDIX B-2).

YEAR 1921-22
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.6	3.1	1.9	0.6	0.3	0.0	0.1	0.0	0.0	0.1	0.0	0.1	7.0
IRISH CREEK	0.2	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
EQUESIS CREEK	1.3	7.2	4.8	1.8	1.0	0.2	0.4	0.1	0.1	0.2	0.1	0.2	17.4
NASHMITO CREEK	0.8	4.7	3.4	1.3	0.7	0.1	0.2	0.1	0.1	0.1	0.1	0.2	11.8
LOW AREA 9	0.1	0.6	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
WHITEMAN CREEK	2.1	13.0	9.6	3.7	2.0	0.4	0.7	0.2	0.2	0.4	0.2	0.5	32.9
VERNON CREEK	3.9	20.6	13.5	4.2	2.2	0.2	1.0	0.2	0.2	0.6	0.2	0.7	47.7
SHORTS CREEK	1.9	12.3	9.2	3.4	1.8	0.4	0.7	0.2	0.2	0.4	0.2	0.4	31.1
LOW AREA 8	0.2	1.2	0.7	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	2.5
LAMBLY CREEK	2.6	14.4	9.9	3.0	1.5	0.2	0.7	0.2	0.2	0.4	0.2	0.5	33.7
KELOWNA CREEK	1.3	7.2	4.9	1.4	0.7	0.0	0.3	0.1	0.1	0.2	0.1	0.2	16.5
POWERS CREEK	1.1	6.2	4.2	1.2	0.6	0.0	0.3	0.1	0.1	0.2	0.1	0.2	14.2
MCCOUGALL CREEK	0.6	3.0	1.9	0.5	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.1	6.6
MISSION CREEK	9.3	59.3	44.1	13.5	7.1	1.0	3.0	0.7	0.7	1.7	0.7	2.0	143.5
TREPANIER CREEK	2.1	12.1	8.3	2.2	1.1	0.1	0.6	0.1	0.1	0.3	0.1	0.4	27.7
LOW AREA 7	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
PEACHLAND CREEK	1.2	6.3	4.3	1.0	0.5	0.0	0.3	0.1	0.1	0.2	0.1	0.2	14.2
BELLEVUE CREEK	0.8	5.7	4.5	1.4	0.7	0.1	0.3	0.1	0.1	0.2	0.1	0.2	14.2
LOW AREA 6	1.8	9.5	6.3	1.4	0.7	0.0	0.4	0.1	0.1	0.2	0.1	0.3	20.8
TROUT CREEK	7.3	44.7	32.9	8.3	4.3	0.2	2.2	0.5	0.5	1.2	0.5	1.4	104.2
NARAMATA CREEK	0.4	2.5	1.9	0.5	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.1	5.8
ENEAS CREEK	0.3	1.4	0.9	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	2.9
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	39.9	236.2	168.3	50.0	26.0	3.0	11.8	2.9	2.9	6.5	2.9	7.7	558.1
PENTICTON CREEK	1.1	8.7	7.2	2.1	1.1	0.2	0.5	0.1	0.1	0.3	0.1	0.3	21.9
LOW AREA 5	0.2	1.1	0.7	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	2.4
SHINGLE CREEK	1.5	9.1	6.6	1.4	0.7	0.0	0.4	0.1	0.1	0.2	0.1	0.3	20.6
ELLIS CREEK	1.0	6.8	5.1	1.2	0.6	0.0	0.3	0.1	0.1	0.2	0.1	0.2	15.7
LOW AREA 4	0.2	1.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
OKLEAN CREEK	0.1	0.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
MARRON RIVER	0.1	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
SHUTTLEWORTH CREEK	0.4	3.1	2.4	0.5	0.3	0.0	0.2	0.0	0.0	0.1	0.0	0.1	7.1
PARK RILL	0.6	3.1	2.1	0.3	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.1	6.4
VASEUX CREEK	1.6	10.9	8.6	1.8	0.9	0.0	0.5	0.1	0.1	0.3	0.1	0.3	25.3
LOW AREA 3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
MCLEOD CREEK	0.2	0.9	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
LOW AREA 2	0.2	0.9	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
TESTALINDEN CREEK	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	7.3	47.1	35.7	7.8	3.9	0.2	2.3	0.6	0.6	1.3	0.6	1.5	108.8
TOTALS	47.2	283.3	204.0	57.8	29.9	3.2	14.1	3.5	3.5	7.8	3.5	9.2	666.9

YEAR 1922-23
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.6	2.3	1.8	0.5	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.4	6.4
IRISH CREEK	0.1	0.6	0.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.6
EQUESIS CREEK	1.1	4.7	4.0	1.2	0.7	0.7	0.3	0.1	0.1	0.1	0.1	0.8	13.8
NASHMITO CREEK	0.8	3.7	3.3	1.0	0.6	0.6	0.2	0.1	0.1	0.1	0.1	0.7	11.1
LOW AREA 9	0.1	0.4	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.2
WHITEMAN CREEK	2.0	10.2	9.3	2.9	1.8	1.7	0.7	0.2	0.2	0.2	0.2	1.8	31.0
VERNON CREEK	3.7	15.7	13.0	3.1	1.9	2.0	1.0	0.2	0.2	0.2	0.2	2.6	43.9
SHORTS CREEK	1.8	9.7	9.0	2.6	1.6	1.6	0.6	0.2	0.2	0.2	0.2	1.7	29.3
LOW AREA 8	0.2	0.8	0.7	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.2
LAMBLY CREEK	2.4	11.0	9.5	2.2	1.4	1.4	0.7	0.2	0.2	0.2	0.2	1.8	31.1
KELOWNA CREEK	1.2	5.5	4.7	1.0	0.6	0.6	0.3	0.1	0.1	0.1	0.1	0.9	15.2
POWERS CREEK	1.0	4.7	4.0	0.8	0.5	0.6	0.3	0.1	0.1	0.1	0.1	0.8	13.0
MCCOUGALL CREEK	0.6	2.6	2.1	0.4	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.4	6.9
MISSION CREEK	9.1	46.6	42.9	10.2	6.4	6.4	2.9	0.8	0.8	0.8	0.8	8.1	135.4
TREPANIER CREEK	2.0	9.1	7.9	1.6	1.0	1.1	0.5	0.1	0.1	0.1	0.1	1.5	25.3
LOW AREA 7	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
PEACHLAND CREEK	0.9	3.8	3.2	0.6	0.4	0.4	0.2	0.1	0.1	0.1	0.1	0.6	10.3
BELLEVUE CREEK	0.9	5.0	4.8	1.1	0.7	0.7	0.3	0.1	0.1	0.1	0.1	0.9	14.7
LOW AREA 6	1.7	7.1	6.0	0.9	0.6	0.7	0.4	0.1	0.1	0.1	0.1	1.1	18.8
TROUT CREEK	6.9	34.4	31.4	5.9	3.8	4.0	2.1	0.5	0.5	0.5	0.5	5.7	96.4
NARAMATA CREEK	0.4	1.9	1.8	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.3	5.4
ENEAS CREEK	0.3	1.0	0.8	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.5
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	37.9	181.0	161.1	36.6	23.0	23.6	11.2	2.9	2.9	2.9	2.9	30.7	516.8
PENTICTON CREEK	1.1	6.9	7.0	1.6	1.0	1.0	0.4	0.1	0.1	0.1	0.1	1.2	20.7
LOW AREA 5	0.2	0.8	0.7	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.1
SHINGLE CREEK	1.4	7.0	6.3	1.0	0.6	0.7	0.4	0.1	0.1	0.1	0.1	1.1	19.0
ELLIS CREEK	1.0	5.2	4.9	0.8	0.5	0.6	0.3	0.1	0.1	0.1	0.1	0.9	14.6
LOW AREA 4	0.2	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.8
OKLEAN CREEK	0.1	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
MARRON RIVER	0.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
SHUTTLEWORTH CREEK	0.4	2.4	2.3	0.4	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.4	6.7
PARK RILL	0.5	2.3	1.9	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.3	5.7
VASEUX CREEK	1.5	8.5	8.2	1.3	0.8	0.9	0.5	0.1	0.1	0.1	0.1	1.4	23.7
LOW AREA 3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
MCLEOD CREEK	0.2	0.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5
LOW AREA 2	0.2	0.7	0.6	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.8
TESTALINDEN CREEK	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	7.0	36.3	34.0	5.5	3.6	3.9	2.2	0.6	0.6	0.6	0.6	6.0	100.6
TOTALS	44.9	217.3	195.1	42.1	26.6	27.5	13.4	3.5	3.5	3.5	3.5	36.7	617.4

YEAR 1923-24
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.1	2.8	2.3	0.9	0.4	0.1	0.1	0.0	C.0	0.0	0.3	0.3	8.5
IRISH CREEK	0.3	0.7	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.1
EQUESIS CREEK	2.5	7.0	6.2	2.5	1.3	0.4	0.3	0.1	0.1	0.1	0.7	0.8	22.0
WASHWITO CREEK	1.3	4.1	3.8	1.5	0.8	0.3	0.2	0.1	0.1	0.1	0.4	0.5	13.1
LOW AREA 9	0.2	0.6	0.5	0.2	0.1	0.0	0.0	0.0	C.0	0.0	C.1	0.1	1.7
WHITEMAN CREEK	3.3	11.1	10.6	4.3	2.3	0.8	0.6	0.2	0.2	0.2	1.1	1.4	36.0
VERNON CREEK	6.5	17.7	15.6	5.3	2.6	0.7	0.8	0.3	0.3	0.3	1.7	2.0	53.8
SHORTS CREEK	3.0	10.5	10.1	3.9	2.1	0.7	0.5	0.2	0.2	0.2	1.0	1.3	33.7
LOW AREA 8	0.4	1.0	0.8	0.2	0.1	C.0	0.0	0.0	0.0	0.0	0.1	0.1	2.9
LAMBLY CREEK	4.1	12.0	11.0	3.6	1.8	0.5	0.6	0.2	0.2	0.2	1.1	1.4	36.6
KELOWNA CREEK	2.1	6.0	5.4	1.7	0.8	0.2	0.3	0.1	0.1	0.1	0.6	0.7	18.0
POWERS CREEK	1.7	5.0	4.6	1.4	0.7	0.2	0.2	0.1	0.1	0.1	0.5	0.6	15.1
MCDOUGALL CREEK	0.6	1.5	1.3	0.4	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.2	4.4
MISSION CREEK	14.9	50.1	48.2	16.0	8.2	2.4	2.4	0.7	0.7	0.7	4.8	5.9	155.3
TREPANIER CREEK	3.4	9.8	9.0	2.7	1.3	0.3	0.5	0.1	0.1	0.1	0.9	1.1	29.4
LOW AREA 7	0.1	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
PEACHLAND CREEK	1.8	5.1	4.6	1.2	0.6	0.1	0.2	0.1	0.1	0.1	0.5	0.6	15.0
BELLEVUE CREEK	1.4	5.3	5.3	1.7	0.9	0.3	0.3	0.1	0.1	0.1	0.5	0.6	16.5
LOW AREA 6	2.8	7.7	6.9	1.7	0.8	0.1	0.3	0.1	0.1	0.1	0.7	0.8	22.3
TROUT CREEK	11.2	36.1	34.5	9.8	4.8	1.1	1.7	0.5	0.5	0.5	3.4	4.1	108.1
NARAMATA CREEK	0.6	2.0	2.0	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.2	0.2	6.1
LNEAS CREEK	0.4	1.1	1.0	0.2	0.1	C.0	0.0	0.0	0.0	0.0	0.1	0.1	3.1
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	63.9	197.5	184.6	59.9	30.3	8.3	9.4	2.9	2.9	2.9	18.8	22.8	604.2
PENTICTON CREEK	1.7	7.4	7.7	2.4	1.3	0.4	0.4	0.1	0.1	0.1	0.7	0.9	23.3
LOW AREA 5	0.4	0.9	0.8	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.6
SHINGLE CREEK	2.3	7.4	7.1	1.7	0.8	0.1	0.3	0.1	0.1	0.1	0.7	0.8	21.6
ELLIS CREEK	1.6	5.5	5.4	1.4	0.7	0.1	0.3	0.1	0.1	0.1	0.5	0.6	16.4
LOW AREA 4	0.3	0.8	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.2
MCLEAN CREEK	0.2	0.8	0.8	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.4
MARRON RIVER	0.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
SHUTTLEWORTH CREEK	0.5	1.7	1.7	0.4	0.2	0.0	0.1	0.0	0.0	0.0	0.2	0.2	5.0
PARK RILL	0.9	2.4	2.2	0.4	0.1	0.0	0.1	0.0	0.0	0.0	0.2	0.2	6.6
VASEUX CREEK	3.0	11.1	11.1	2.7	1.3	0.2	0.5	0.2	0.2	0.2	1.0	1.2	32.7
LOW AREA 3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
WOLFCUB CREEK	0.3	0.7	0.6	0.1	0.0	0.0	C.0	0.0	0.0	0.0	C.1	0.1	1.8
LOW AREA 2	0.2	0.7	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.0
TESTALINDEN CREEK	0.1	0.3	0.2	0.0	0.0	C.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	11.8	40.2	39.4	9.8	4.8	0.9	1.8	0.6	0.6	0.6	3.7	4.5	118.7
TOTALS	75.7	237.7	224.0	69.7	35.1	9.2	11.2	3.5	3.5	3.5	22.5	27.3	722.8

YEAR 1924-25
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.4	1.5	0.4	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.2	3.2
IRISH CREEK	0.1	0.3	0.1	0.0	0.0	C.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
EQUESIS CREEK	1.3	5.9	2.0	1.1	0.9	0.2	0.4	0.1	C.1	0.1	0.5	0.7	13.3
WASHWITO CREEK	0.7	3.3	1.2	0.7	0.5	0.2	0.2	0.1	0.1	0.1	0.3	0.4	7.7
LOW AREA 9	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
WHITEMAN CREEK	1.8	9.5	3.8	2.0	1.6	0.5	0.7	0.2	0.2	0.2	0.9	1.1	22.5
VERNON CREEK	2.9	12.2	4.0	1.8	1.6	0.3	0.9	0.2	0.2	0.2	1.0	1.3	26.6
SHORTS CREEK	1.7	9.1	3.8	1.8	1.5	0.4	0.7	0.2	0.2	0.2	0.8	1.1	21.5
LOW AREA 8	0.1	0.4	0.1	0.0	0.0	0.0	0.0	C.0	0.0	0.0	0.0	0.0	0.8
LAMBLY CREEK	2.1	9.6	3.4	1.4	1.3	0.3	0.7	0.2	C.2	0.2	C.8	1.0	21.0
KELOWNA CREEK	1.0	4.6	1.6	0.6	0.6	0.1	0.3	0.1	0.1	0.1	0.4	0.5	10.0
POWERS CREEK	0.9	4.0	1.4	0.5	0.5	0.1	0.3	0.1	0.1	0.1	0.3	0.4	8.6
MCDOUGALL CREEK	0.3	1.4	0.4	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	2.9
MISSION CREEK	8.6	44.4	18.1	7.2	6.4	1.4	3.2	0.8	0.8	0.8	3.8	4.9	100.5
TREPANIER CREEK	1.8	8.0	2.9	1.0	1.0	0.2	0.6	0.1	0.1	0.1	0.7	0.8	17.3
LOW AREA 7	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
PEACHLAND CREEK	0.9	4.0	1.4	0.4	0.4	0.0	0.3	0.1	0.1	0.1	0.3	0.4	8.4
BELLEVUE CREEK	0.8	4.9	2.2	0.8	0.7	0.2	0.4	0.1	0.1	0.1	0.4	0.6	11.3
LOW AREA 6	1.4	5.9	2.0	0.6	0.6	0.0	0.4	0.1	0.1	0.1	0.5	0.6	12.1
TROUT CREEK	6.5	32.5	13.0	4.1	4.0	0.6	2.3	0.6	0.6	0.6	2.7	3.5	70.8
NARAMATA CREEK	0.3	1.8	0.8	0.2	0.2	C.0	0.1	0.0	0.0	0.0	0.2	0.2	4.0
LNEAS CREEK	0.2	0.8	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.5
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	33.9	164.5	62.9	24.9	22.3	4.6	11.7	2.9	2.9	2.9	14.0	17.9	365.4
PENTICTON CREEK	1.1	7.3	3.5	1.2	1.1	0.3	0.5	0.1	0.1	0.1	0.7	0.8	17.0
LOW AREA 5	0.2	0.7	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.4
SHINGLE CREEK	1.4	7.0	2.8	0.7	0.8	0.1	0.5	0.1	0.1	0.1	0.6	0.7	14.9
ELLIS CREEK	1.0	5.2	2.2	0.6	0.6	0.1	0.4	0.1	0.1	0.1	0.4	0.5	11.2
LOW AREA 4	0.1	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
MCLEAN CREEK	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
MARRON RIVER	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SHUTTLEWORTH CREEK	0.1	0.7	0.3	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	1.6
PARK RILL	0.5	2.1	0.7	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.2	0.2	4.2
VASEUX CREEK	1.9	10.7	4.8	1.1	1.2	0.1	0.7	0.2	0.2	0.2	0.9	1.1	23.1
LOW AREA 3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
WOLFCUB CREEK	0.1	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C.0	0.0	1.0
LOW AREA 2	0.1	0.6	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
TESTALINDEN CREEK	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	6.8	36.3	15.4	4.1	4.2	0.6	2.5	0.6	0.6	0.6	3.0	3.8	78.6
TOTALS	40.7	200.8	78.3	29.0	26.5	5.2	14.2	3.5	3.5	3.5	17.0	21.7	444.0

YEAR 1925-26
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.4	2.8	1.0	0.5	0.2	0.0	0.1	0.0	0.1	0.2	0.0	0.3	6.6
IRISH CREEK	0.3	0.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6
EQUESIS CREEK	2.7	6.5	2.6	1.3	0.6	0.2	0.2	0.1	0.1	0.4	0.1	0.7	15.6
NASWHITO CREEK	1.7	4.5	2.0	1.0	0.5	0.1	0.1	0.1	0.1	0.3	0.1	0.5	11.0
LOW AREA 9	0.2	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
WHITEMAN CREEK	4.4	12.5	5.8	2.8	1.3	0.4	0.3	0.2	0.3	0.8	0.2	1.4	30.5
VERNON CREEK	8.1	18.4	7.2	3.0	1.3	0.2	0.5	0.3	0.4	1.1	0.3	2.0	42.7
SHORTS CREEK	4.0	11.8	5.6	2.6	1.2	0.4	0.3	0.2	0.3	0.7	0.2	1.4	28.7
LOW AREA 8	0.5	0.9	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	2.1
LAMBLY CREEK	5.2	12.8	5.4	2.0	0.9	0.2	0.3	0.2	0.3	0.7	0.2	1.4	29.6
KELOWNA CREEK	2.6	6.3	2.6	0.9	0.4	0.1	0.2	0.1	0.1	0.4	0.1	0.7	14.4
POWERS CREEK	2.2	5.3	2.2	0.8	0.3	0.0	0.1	0.1	0.1	0.3	0.1	0.6	12.0
MCDOUGALL CREEK	0.5	1.2	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	2.6
MISSION CREEK	19.8	56.6	26.7	9.8	4.5	1.0	1.4	0.8	1.3	3.3	0.8	6.3	132.5
TREPANIER CREEK	4.2	10.3	4.4	1.4	0.6	0.1	0.3	0.1	0.2	0.6	0.1	1.1	23.4
LOW AREA 7	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
PEACHLAND CREEK	2.2	5.2	2.1	0.6	0.2	0.0	0.1	0.1	0.1	0.3	0.1	0.5	11.6
BELLEVUE CREEK	1.9	6.1	3.1	1.1	0.5	0.1	0.2	0.1	0.1	0.4	0.1	0.7	14.3
LOW AREA 6	3.4	7.8	3.2	0.8	0.3	0.0	0.2	0.1	0.2	0.4	0.1	0.8	17.1
TROUT CREEK	14.3	39.2	18.2	5.3	2.3	0.3	1.0	0.5	0.8	2.2	0.5	4.2	88.8
NARAMATA CREEK	0.8	2.2	1.1	0.3	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.2	5.1
ENEAS CREEK	0.5	1.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	2.1
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	81.0	212.7	94.9	34.7	15.3	3.2	5.4	2.9	4.7	12.4	2.9	23.4	493.5
PENTICTON CREEK	2.1	7.8	4.2	1.4	0.7	0.2	0.2	0.1	0.2	0.5	0.1	0.9	18.3
LOW AREA 5	0.4	0.8	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
SHINGLE CREEK	2.7	7.2	3.3	0.8	0.3	0.0	0.2	0.1	0.2	0.4	0.1	0.8	16.0
ELLIS CREEK	1.9	5.5	2.7	0.7	0.3	0.0	0.1	0.1	0.1	0.3	0.1	0.6	12.4
LOW AREA 4	0.3	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
MCLEAN CREEK	0.2	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
MARRON RIVER	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
SHUTTLEWORTH CREEK	0.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6
PARK RILL	0.9	2.1	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	4.5
VASEUX CREEK	3.6	11.3	5.8	1.2	0.5	0.0	0.3	0.1	0.2	0.6	0.1	1.2	25.0
LOW AREA 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
WILLCUB CREEK	0.3	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2
LOW AREA 2	0.3	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.4
TESTALINDEN CREEK	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	13.2	38.4	18.8	4.4	1.9	0.2	0.9	0.5	0.8	2.2	0.5	4.1	85.8
TOTALS	94.2	251.1	113.7	39.1	17.2	3.4	6.3	3.4	5.5	14.6	3.4	27.5	579.4

YEAR 1926-27
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.7	0.7	0.2	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.2
IRISH CREEK	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
EQUESIS CREEK	2.7	3.5	1.1	1.3	0.6	0.2	0.5	0.2	0.1	0.1	0.1	0.3	10.5
NASHWITO CREEK	1.4	2.1	0.7	0.8	0.4	0.1	0.3	0.1	0.1	0.1	0.1	0.2	6.3
LOW AREA 9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
WHITEMAN CREEK	3.9	6.3	2.3	2.3	1.1	0.3	0.8	0.3	0.2	0.2	0.2	0.4	18.4
VERNON CREEK	5.8	7.1	2.1	2.3	0.9	0.2	0.9	0.3	0.2	0.2	0.2	0.5	20.7
SHORTS CREEK	3.7	6.2	2.3	2.2	1.0	0.3	0.8	0.3	0.2	0.2	0.2	0.4	17.8
LOW AREA 8	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
LAMBLY CREEK	4.4	6.1	2.0	1.9	0.8	0.2	0.8	0.3	0.2	0.2	0.2	0.4	17.2
KELOWNA CREEK	2.1	2.8	0.9	0.8	0.3	0.1	0.3	0.1	0.1	0.1	0.1	0.2	7.9
POWERS CREEK	1.8	2.4	0.8	0.7	0.3	0.0	0.3	0.1	0.1	0.1	0.1	0.2	6.8
MCDOUGALL CREEK	0.8	1.0	0.3	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.8
MISSION CREEK	18.5	30.2	11.3	9.4	4.1	1.0	3.7	1.4	0.8	0.8	0.8	2.0	84.0
TREPANIER CREEK	3.8	5.1	1.7	1.4	0.6	0.1	0.6	0.2	0.1	0.1	0.1	0.3	14.2
LOW AREA 7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
PEACHLAND CREEK	2.6	2.5	0.8	0.7	0.2	0.0	0.3	0.1	0.1	0.1	0.1	0.2	7.0
BELLEVUE CREEK	1.9	3.5	1.4	1.1	0.5	0.1	0.4	0.2	0.1	0.1	0.1	0.2	9.6
LOW AREA 6	2.9	3.6	1.1	0.9	0.3	0.0	0.4	0.2	0.1	0.1	0.1	0.2	9.9
TROUT CREEK	14.2	22.0	8.1	5.9	2.4	0.4	2.6	1.0	0.5	0.6	0.5	1.4	59.7
NARAMATA CREEK	0.8	1.3	0.5	0.4	0.1	0.0	0.2	0.1	0.0	0.0	0.0	0.1	3.5
ENEAS CREEK	0.4	0.4	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.2
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	72.3	107.6	37.8	32.8	14.0	3.1	13.2	5.0	2.7	2.8	2.7	7.3	301.2
PENTICTON CREEK	2.6	5.7	2.5	1.7	0.8	0.2	0.7	0.3	0.1	0.1	0.1	0.4	15.3
LOW AREA 5	0.4	0.4	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.2
SHINGLE CREEK	3.4	5.1	1.9	1.2	0.5	0.0	0.6	0.2	0.1	0.1	0.1	0.3	13.5
ELLIS CREEK	2.2	3.7	1.4	0.9	0.4	0.0	0.4	0.2	0.1	0.1	0.1	0.2	9.8
LOW AREA 4	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
MCLEAN CREEK	0.3	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
MARRON RIVER	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SHUTTLEWORTH CREEK	0.3	0.5	0.2	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.2
PARK RILL	1.2	1.4	0.5	0.3	0.1	0.0	0.2	0.1	0.0	0.0	0.0	0.1	3.8
VASEUX CREEK	4.4	8.0	3.3	1.9	0.7	0.1	0.9	0.3	0.2	0.2	0.2	0.5	20.6
LOW AREA 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
WILLCUB CREEK	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
LOW AREA 2	0.3	0.5	0.2	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.2
TESTALINDEN CREEK	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	15.9	26.7	10.5	6.5	2.6	0.3	3.1	1.2	0.6	0.7	0.6	1.7	70.5
TOTALS	88.2	134.3	48.3	39.3	16.6	3.4	16.3	6.2	3.3	3.5	3.3	9.0	371.6

YEAR 1927-28
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.8	2.1	2.2	0.7	0.5	0.8	1.0	0.2	0.1	0.1	0.2	0.5	9.0
IRISH CREEK	0.2	0.5	0.5	0.2	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.1	2.2
EQUESIS CREEK	1.9	5.8	6.5	2.3	1.5	2.5	3.0	0.5	0.3	0.2	0.5	1.4	26.3
WASHILTO CREEK	0.8	2.9	3.4	1.2	0.8	1.3	1.5	0.3	0.2	0.1	0.2	0.7	13.5
LOW AREA 9	0.2	0.4	0.4	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.1	1.8
WHITEMAN CREEK	2.2	8.0	9.4	3.4	2.2	3.6	4.2	0.8	0.5	0.3	0.7	1.9	37.2
VERNON CREEK	4.3	13.0	14.3	4.3	2.8	5.0	6.4	1.2	0.7	0.5	1.0	2.9	56.3
SHORTS CREEK	2.0	7.6	9.0	3.2	2.0	3.4	4.0	0.7	0.5	0.3	0.6	1.8	34.9
LOW AREA 8	0.3	0.8	0.8	0.2	0.1	0.3	0.4	0.1	0.0	0.0	0.1	0.2	3.1
LAMBLY CREEK	2.7	8.8	10.0	2.9	1.9	3.4	4.3	0.8	0.5	0.3	0.7	2.0	38.3
KELOWNA CREEK	1.4	4.4	5.0	1.4	0.9	1.6	2.1	0.4	0.2	0.2	0.3	1.0	18.9
POWERS CREEK	1.2	3.7	4.2	1.1	0.7	1.4	1.8	0.3	0.2	0.1	0.3	0.8	15.9
MCDOUGALL CREEK	0.4	1.1	1.2	0.3	0.2	0.4	0.5	0.1	0.1	0.0	0.1	0.2	4.6
MISSION CREEK	9.7	36.2	42.8	12.9	8.3	14.6	18.2	3.3	2.1	1.3	2.9	8.3	160.6
IRESPANIER CREEK	2.3	7.2	8.2	2.2	1.4	2.7	3.5	0.6	0.4	0.3	0.6	1.6	31.0
LOW AREA 7	0.1	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.9
PEACHLAND CREEK	1.2	3.8	4.3	1.0	0.7	1.3	1.8	0.3	0.2	0.1	0.3	0.8	15.9
BELLEVUE CREEK	0.9	3.8	4.6	1.4	0.9	1.6	1.9	0.3	0.2	0.1	0.3	0.9	17.0
LOW AREA 6	1.9	5.7	6.4	1.4	0.9	1.9	2.7	0.5	0.3	0.2	0.4	1.2	23.5
TROUT CREEK	7.4	26.4	31.0	8.0	5.2	9.8	12.8	2.3	1.5	0.9	2.0	5.9	113.2
NARAMATA CREEK	0.4	1.5	1.7	0.5	0.3	0.5	0.7	0.1	0.1	0.1	0.1	0.3	6.3
ENDS CREEK	0.3	0.9	0.9	0.2	0.1	0.3	0.4	0.1	0.0	0.0	0.1	0.2	3.4
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	42.4	144.8	167.0	49.0	31.5	56.7	71.8	13.0	8.2	5.3	11.3	32.8	633.8
PENTICTON CREEK	1.0	4.7	6.0	1.7	1.1	2.0	2.4	0.4	0.3	0.2	0.4	1.1	21.3
LOW AREA 5	0.2	0.6	0.7	0.1	0.1	0.2	0.3	0.0	0.0	0.0	0.0	0.1	2.4
SHINGLE CREEK	1.4	4.8	5.7	1.3	0.8	1.7	2.3	0.4	0.3	0.2	0.4	1.0	20.1
ELLIS CREEK	0.9	3.6	4.3	1.0	0.7	1.3	1.7	0.3	0.2	0.1	0.3	0.8	15.3
LOW AREA 4	0.2	0.6	0.6	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.1	2.2
MCLEAN CREEK	0.2	0.9	1.1	0.2	0.2	0.3	0.4	0.1	0.0	0.0	0.1	0.2	3.8
MARRON RIVER	0.1	0.3	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	1.1
SHUTTLEWORTH CREEK	0.4	1.6	2.0	0.5	0.3	0.6	0.8	0.1	0.1	0.1	0.1	0.4	6.9
PARK RILL	0.5	1.6	1.8	0.3	0.2	0.5	0.7	0.1	0.1	0.1	0.1	0.3	6.3
VASEUX CREEK	1.8	7.2	8.8	2.0	1.3	2.5	3.4	0.6	0.4	0.3	0.5	1.6	30.3
LOW AREA 3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
WOLFCUB CREEK	0.2	0.5	0.5	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.1	1.8
LOW AREA 2	0.1	0.5	0.6	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.1	1.9
TESTALINDEN CREEK	0.1	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.7
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	7.2	27.1	32.5	7.4	4.8	9.6	12.9	2.3	1.5	1.0	2.0	5.9	114.3
TOTALS	49.6	171.9	199.5	56.4	36.3	66.3	84.7	15.3	9.7	6.3	13.3	38.7	748.1

YEAR 1928-29
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	2.1	8.0	2.3	1.9	0.5	0.3	0.1	0.7	0.1	0.1	0.1	0.4	16.5
IRISH CREEK	0.5	1.8	0.5	0.4	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	3.7
EQUESIS CREEK	4.0	17.3	6.1	4.6	1.5	0.9	0.3	1.5	0.1	0.1	0.1	1.0	37.5
WASHILTO CREEK	1.7	8.1	3.2	2.3	0.8	0.5	0.2	0.7	0.1	0.1	0.1	0.5	18.2
LOW AREA 9	0.5	1.8	0.5	0.4	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	3.7
WHITEMAN CREEK	4.3	21.7	8.9	6.4	2.2	1.4	0.4	2.0	0.2	0.2	0.2	1.3	49.1
VERNON CREEK	9.7	40.3	13.7	9.2	2.4	1.5	0.7	3.4	0.3	0.3	0.3	2.2	84.0
SHORTS CREEK	3.9	20.2	8.6	5.8	2.0	1.2	0.4	1.8	0.1	0.1	0.1	1.2	45.5
LOW AREA 8	0.8	3.1	0.9	0.6	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.2	6.1
LAMBLY CREEK	5.5	24.7	9.1	5.7	1.5	1.0	0.4	2.1	0.2	0.2	0.2	1.3	51.9
KELOWNA CREEK	2.9	12.7	4.6	2.7	0.7	0.4	0.2	1.1	0.1	0.1	0.1	0.7	26.2
POWERS CREEK	2.4	10.4	3.8	2.2	0.5	0.3	0.2	0.9	0.1	0.1	0.1	0.6	21.6
MCDOUGALL CREEK	0.8	3.4	1.1	0.6	0.1	0.1	0.1	0.3	0.0	0.0	0.0	0.2	6.7
MISSION CREEK	19.0	96.0	40.3	23.7	6.9	4.4	1.8	8.4	0.7	0.7	0.7	5.4	207.9
IRESPANIER CREEK	4.6	20.2	7.5	4.3	1.0	0.6	0.4	1.7	0.1	0.1	0.1	1.1	41.7
LOW AREA 7	0.2	0.8	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	1.6
PEACHLAND CREEK	2.5	10.8	3.9	2.1	0.4	0.3	0.2	0.9	0.1	0.1	0.1	0.6	21.8
BELLEVUE CREEK	1.7	9.7	4.4	2.5	0.8	0.5	0.2	0.9	0.1	0.1	0.1	0.6	21.4
LOW AREA 6	3.9	16.5	5.8	2.9	0.5	0.3	0.3	1.3	0.1	0.1	0.1	0.8	32.7
TROUT CREEK	14.2	69.5	28.6	14.7	3.5	2.2	1.2	5.9	0.5	0.5	0.5	3.8	145.1
NARAMATA CREEK	0.8	3.8	1.6	0.8	0.2	0.1	0.1	0.3	0.0	0.0	0.0	0.2	8.1
ENDS CREEK	0.7	2.7	0.9	0.4	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	5.1
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	86.8	403.4	156.7	94.4	25.8	16.3	7.3	34.6	2.8	2.8	2.8	22.2	855.9
PENTICTON CREEK	1.9	12.2	6.1	3.1	1.0	0.6	0.2	1.1	0.1	0.1	0.1	0.7	27.2
LOW AREA 5	0.5	1.9	0.6	0.3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	3.7
SHINGLE CREEK	2.8	13.3	5.4	2.4	0.4	0.3	0.2	1.1	0.1	0.1	0.1	0.7	26.9
ELLIS CREEK	1.9	9.6	4.2	1.9	0.4	0.3	0.2	0.8	0.1	0.1	0.1	0.5	20.0
LOW AREA 4	0.5	1.8	0.6	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	3.4
MCLEAN CREEK	0.5	2.4	1.0	0.4	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.1	4.9
MARRON RIVER	0.3	1.1	0.3	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.0
SHUTTLEWORTH CREEK	0.8	4.3	2.0	0.8	0.2	0.1	0.1	0.4	0.0	0.0	0.0	0.2	9.0
PARK RILL	1.2	4.8	1.7	0.6	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.2	9.0
VASEUX CREEK	3.4	18.8	8.7	3.6	0.7	0.5	0.3	1.6	0.1	0.1	0.1	1.0	39.1
LOW AREA 3	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
WOLFCUB CREEK	0.4	1.5	0.5	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.7
LOW AREA 2	0.3	1.4	0.5	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.6
TESTALINDEN CREEK	0.1	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	14.5	73.9	31.9	14.1	2.9	1.8	1.3	6.1	0.5	0.5	0.5	3.9	152.0
TOTALS	101.3	477.3	188.6	108.5	28.7	18.1	8.6	40.7	3.3	3.3	3.3	26.1	1007.9

YEAR 1929-30
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.3	0.5	0.5	0.2	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.1	2.4
IRISH CREEK	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6
EQUESIS CREEK	1.1	2.5	2.7	1.1	1.6	1.8	0.3	0.1	0.1	0.1	0.1	0.3	11.8
NASWHITO CREEK	0.6	1.5	1.6	0.7	1.0	1.1	0.2	0.1	0.1	0.1	0.1	0.2	7.0
LOW AREA 9	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4
WHITEMAN CREEK	1.6	4.3	4.7	2.0	2.9	3.1	0.4	0.2	0.2	0.2	0.2	0.6	20.3
VERNON CREEK	2.4	5.2	5.5	1.9	3.2	3.4	0.5	0.2	0.2	0.2	0.3	0.7	23.6
SHORTS CREEK	1.5	4.1	4.6	1.9	2.8	3.0	0.4	0.2	0.2	0.2	0.2	0.6	19.6
LOW AREA 8	0.1	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.7
LAMBLY CREEK	1.8	4.2	4.5	1.5	2.5	2.7	0.4	0.1	0.1	0.1	0.2	0.5	19.0
KELOWNA CREEK	0.9	2.0	2.1	0.7	1.2	1.3	0.2	0.1	0.1	0.1	0.1	0.3	8.9
POWERS CREEK	0.8	1.7	1.9	0.6	1.0	1.1	0.2	0.1	0.1	0.1	0.1	0.2	7.8
MCDOUGALL CREEK	0.2	0.4	0.5	0.1	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.1	1.9
MISSION CREEK	7.3	20.2	22.7	7.9	12.5	13.5	2.0	0.7	0.7	0.7	1.1	2.6	92.1
TREPANIER CREEK	1.5	3.6	3.8	1.2	2.1	2.2	0.3	0.1	0.1	0.1	0.2	0.5	15.8
LOW AREA 7	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
PEACHLAND CREEK	0.8	1.8	1.9	0.6	1.0	1.1	0.2	0.1	0.1	0.1	0.1	0.2	7.8
BELLEVUE CREEK	0.7	2.3	2.6	0.9	1.4	1.5	0.2	0.1	0.1	0.1	0.1	0.3	10.4
LOW AREA 6	1.2	2.6	2.8	0.7	1.4	1.5	0.2	0.1	0.1	0.1	0.1	0.3	11.2
TROUT CREEK	5.6	14.8	16.6	5.0	8.6	9.2	1.4	0.5	0.5	0.5	0.8	1.9	65.5
NARAMATA CREEK	0.3	0.8	0.9	0.3	0.5	0.5	0.1	0.0	0.0	0.0	0.0	0.1	3.7
ENEAS CREEK	0.2	0.3	0.3	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.3
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	28.8	73.4	80.8	27.5	44.6	48.1	7.2	2.6	2.6	2.6	4.0	9.5	331.7
PENTICTON CREEK	0.9	3.3	3.9	1.3	2.1	2.2	0.3	0.1	0.1	0.1	0.2	0.4	15.1
LOW AREA 5	0.1	0.3	0.3	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2
SHINGLE CREEK	1.2	3.1	3.4	0.9	1.7	1.8	0.3	0.1	0.1	0.1	0.2	0.4	13.3
ELLIS CREEK	0.8	2.3	2.6	0.7	1.3	1.4	0.2	0.1	0.1	0.1	0.1	0.3	9.9
LOW AREA 4	0.1	0.2	0.3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0
MCLEAN CREEK	0.2	0.6	0.6	0.2	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.1	2.4
MARRON RIVER	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SHUTTLEWORTH CREEK	0.4	1.1	1.2	0.3	0.6	0.6	0.1	0.0	0.0	0.0	0.1	0.1	4.6
PARK RILL	0.4	0.9	1.0	0.2	0.4	0.5	0.1	0.0	0.0	0.0	0.0	0.1	3.8
VASEUX CREEK	1.6	4.7	5.5	1.4	2.6	2.8	0.4	0.2	0.2	0.2	0.2	0.6	20.5
LOW AREA 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
MCLEOD CREEK	0.1	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9
LOW AREA 2	0.1	0.3	0.3	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2
TESTALINDEN CREEK	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	6.1	17.2	19.7	5.3	9.6	10.4	1.6	0.6	0.6	0.6	0.9	2.1	74.7
TOTALS	34.9	90.6	100.5	32.8	54.2	58.5	8.8	3.2	3.2	3.2	4.9	11.6	406.4

YEAR 1930-31
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.6	0.4	0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.3
IRISH CREEK	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
EQUESIS CREEK	2.5	2.2	2.4	1.3	1.2	0.6	0.1	0.1	0.1	0.1	0.1	0.6	11.2
NASWHITO CREEK	1.3	1.4	1.5	0.8	0.8	0.4	0.1	0.1	0.1	0.1	0.1	0.3	6.7
LOW AREA 9	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
WHITEMAN CREEK	3.5	4.1	4.3	2.4	2.2	1.1	0.2	0.2	0.2	0.2	0.2	1.0	19.5
VERNON CREEK	5.3	4.4	4.8	2.4	2.3	1.0	0.2	0.2	0.2	0.2	0.2	1.1	22.3
SHORTS CREEK	3.3	4.0	4.3	2.3	2.1	1.0	0.2	0.2	0.2	0.2	0.2	1.0	18.8
LOW AREA 8	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
LAMBLY CREEK	4.0	3.7	4.1	1.9	1.8	0.8	0.2	0.2	0.2	0.2	0.2	0.9	18.1
KELOWNA CREEK	1.9	1.8	1.9	0.9	0.8	0.4	0.1	0.1	0.1	0.1	0.1	0.4	8.5
POWERS CREEK	1.7	1.5	1.7	0.7	0.7	0.3	0.1	0.1	0.1	0.1	0.1	0.4	7.3
MCDOUGALL CREEK	0.5	0.4	0.4	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.8
MISSION CREEK	16.7	19.3	20.8	9.8	9.3	4.3	0.8	0.8	0.8	0.8	0.8	4.5	89.4
TREPANIER CREEK	3.4	3.1	3.4	1.5	1.5	0.6	0.1	0.1	0.1	0.1	0.1	0.8	15.0
LOW AREA 7	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
PEACHLAND CREEK	1.8	1.5	1.7	0.7	0.7	0.3	0.1	0.1	0.1	0.1	0.1	0.4	7.3
BELLEVUE CREEK	1.7	2.3	2.5	1.1	1.1	0.5	0.1	0.1	0.1	0.1	0.1	0.5	10.1
LOW AREA 6	2.6	2.2	2.4	0.9	0.9	0.4	0.1	0.1	0.1	0.1	0.1	0.5	10.5
TROUT CREEK	12.7	13.8	15.1	6.3	6.1	2.7	0.5	0.5	0.5	0.5	0.5	3.2	62.6
NARAMATA CREEK	0.7	0.8	0.9	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.2	3.6
ENEAS CREEK	0.4	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	65.0	67.5	73.4	34.2	32.6	14.9	2.7	2.7	2.7	2.7	2.7	16.1	317.2
PENTICTON CREEK	2.1	3.4	3.7	1.6	1.5	0.7	0.1	0.1	0.1	0.1	0.1	0.7	14.4
LOW AREA 5	0.3	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
SHINGLE CREEK	2.7	2.8	3.1	1.2	1.2	0.5	0.1	0.1	0.1	0.1	0.1	0.6	12.6
ELLIS CREEK	1.8	2.1	2.3	0.9	0.9	0.4	0.1	0.1	0.1	0.1	0.1	0.5	9.3
LOW AREA 4	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
MCLEAN CREEK	0.5	0.5	0.6	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.3
MARRON RIVER	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SHUTTLEWORTH CREEK	0.8	1.0	1.1	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.2	4.4
PARK RILL	0.9	0.8	0.9	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.2	3.5
VASEUX CREEK	3.5	4.6	5.0	1.8	1.8	0.8	0.2	0.2	0.2	0.2	0.2	1.0	19.3
LOW AREA 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
MCLEOD CREEK	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
LOW AREA 2	0.3	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
TESTALINDEN CREEK	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	13.6	16.3	17.9	6.7	6.7	2.8	0.6	0.6	0.6	0.6	0.6	3.6	70.6
TOTALS	78.6	83.8	91.3	40.9	39.3	17.7	3.3	3.3	3.3	3.3	3.3	19.7	387.8

YEAR 1931-32
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.4	0.7	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
IRISH CREEK	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
ECCLESIS CREEK	1.4	3.2	1.4	1.5	0.6	0.2	0.1	0.1	0.1	0.1	0.1	0.7	9.4
NASHWITO CREEK	0.7	1.9	0.9	1.0	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.4	5.7
LOW AREA 9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
WHITEMAN CREEK	2.0	5.6	2.7	2.8	1.1	0.4	0.2	0.2	0.2	0.2	0.2	1.2	16.6
VERNON CREEK	3.0	6.5	2.8	2.9	0.9	0.3	0.2	0.2	0.2	0.2	0.2	1.4	18.6
SHORTS CREEK	1.9	5.4	2.7	2.7	1.0	0.4	0.2	0.2	0.2	0.2	0.2	1.2	16.0
LOW AREA 8	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
LAMBLY CREEK	2.3	5.5	2.5	2.4	0.8	0.2	0.1	0.1	0.1	0.1	0.1	1.1	15.6
KELOWNA CREEK	1.1	2.6	1.1	1.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.5	7.2
POWERS CREEK	1.0	2.3	1.0	1.0	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.5	6.4
MCDOUGALL CREEK	0.3	0.5	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5
MISSION CREEK	9.6	26.6	13.3	12.0	4.2	1.3	0.7	0.7	0.7	0.7	0.7	5.6	76.3
TREPANIER CREEK	2.0	4.7	2.1	2.0	0.6	0.2	0.1	0.1	0.1	0.1	0.1	1.0	13.2
LOW AREA 7	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
PEACHLAND CREEK	1.0	2.4	1.0	0.9	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.5	6.5
BELLEVUE CREEK	1.0	3.0	1.6	1.4	0.5	0.2	0.1	0.1	0.1	0.1	0.1	0.6	8.7
LOW AREA 6	1.6	3.4	1.5	1.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.7	9.3
TROUT CREEK	7.6	20.1	9.9	8.2	2.6	0.7	0.5	0.5	0.5	0.5	0.5	4.1	55.9
NARAMATA CREEK	0.4	1.1	0.6	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	3.2
ENDS CREEK	0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	37.7	96.7	46.1	42.4	14.2	4.3	2.6	2.6	2.6	2.6	2.6	20.1	274.6
PENTICTON CREEK	1.3	4.8	2.7	2.2	0.8	0.3	0.1	0.1	0.1	0.1	0.1	1.0	13.8
LOW AREA 5	0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
SHINGLE CREEK	1.8	4.6	2.2	1.7	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.9	12.4
ELLIS CREEK	1.2	3.3	1.7	1.3	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.7	9.0
LOW AREA 4	0.2	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9
MCLEAN CREEK	0.3	0.9	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.3
MARRON RIVER	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SHUTTLEWORTH CREEK	0.5	1.5	0.8	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	4.2
PARK RILL	0.6	1.4	0.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.5
VASEUX CREEK	2.3	6.9	3.7	2.6	0.8	0.2	0.2	0.2	0.2	0.2	0.2	1.4	18.8
LOW AREA 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
KOLEOUB CREEK	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8
LOW AREA 2	0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
TESTALINDEN CREEK	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	8.9	25.2	13.1	9.8	2.9	0.7	0.7	0.7	0.7	0.7	0.7	5.0	68.8
TOTALS	46.6	121.9	59.2	52.2	17.1	5.0	3.3	3.3	3.3	3.3	3.3	25.1	343.4

YEAR 1932-33
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.4	3.0	1.7	0.5	0.5	0.2	0.1	0.2	0.0	0.0	0.0	0.2	7.9
IRISH CREEK	0.3	0.8	0.4	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.0
ECCLESIS CREEK	3.5	9.0	5.4	1.8	1.7	0.7	0.2	0.7	0.1	0.1	0.1	0.7	24.1
NASHWITO CREEK	1.6	4.6	3.0	1.0	0.9	0.4	0.1	0.4	0.1	0.1	0.1	0.3	12.6
LOW AREA 9	0.3	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
WHITEMAN CREEK	4.2	12.7	8.4	2.9	2.6	1.2	0.3	1.0	0.2	0.2	0.2	1.0	34.8
VERNON CREEK	8.2	19.9	11.7	3.1	3.2	1.2	0.5	1.4	0.3	0.3	0.3	1.4	51.5
SHORTS CREEK	3.9	12.1	8.1	2.6	2.4	1.1	0.3	0.9	0.2	0.2	0.2	0.9	32.8
LOW AREA 8	0.5	1.1	0.6	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.8
LAMBLY CREEK	5.2	13.7	8.5	2.1	2.2	0.8	0.3	1.0	0.2	0.2	0.2	1.0	35.4
KELOWNA CREEK	2.7	6.8	4.2	0.9	1.0	0.4	0.2	0.5	0.1	0.1	0.1	0.5	17.4
POWERS CREEK	2.2	5.8	3.6	0.8	0.9	0.3	0.1	0.4	0.1	0.1	0.1	0.4	14.7
MCDOUGALL CREEK	0.7	1.7	1.0	0.2	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.1	4.3
MISSION CREEK	19.0	57.5	38.5	9.8	10.0	4.0	1.5	4.2	0.7	0.7	0.7	4.2	150.8
TREPANIER CREEK	4.3	11.3	7.0	1.5	1.7	0.6	0.3	0.8	0.1	0.1	0.1	0.8	28.7
LOW AREA 7	0.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
PEACHLAND CREEK	2.4	5.9	3.6	0.6	0.8	0.2	0.1	0.4	0.1	0.1	0.1	0.4	14.7
BELLEVUE CREEK	1.8	6.1	4.3	1.1	1.1	0.4	0.2	0.5	0.1	0.1	0.1	0.4	16.1
LOW AREA 6	3.6	8.8	5.3	0.8	1.1	0.3	0.2	0.6	0.1	0.1	0.1	0.6	21.7
TROUT CREEK	14.5	42.0	27.8	5.3	6.3	2.1	1.0	3.0	0.5	0.5	0.5	2.9	106.5
NARAMATA CREEK	0.8	2.4	1.6	0.3	0.4	0.1	0.1	0.2	0.0	0.0	0.0	0.2	6.0
ENDS CREEK	0.6	1.3	0.7	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	3.0
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	82.0	227.4	145.8	35.6	37.8	14.3	5.8	16.5	2.9	2.9	2.9	16.3	590.2
PENTICTON CREEK	2.1	8.0	5.9	1.4	1.4	0.6	0.2	0.6	0.1	0.1	0.1	0.6	21.2
LOW AREA 5	0.4	1.0	0.6	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.3
SHINGLE CREEK	2.8	8.0	5.3	0.8	1.1	0.3	0.2	0.6	0.1	0.1	0.1	0.5	19.8
ELLIS CREEK	1.9	6.0	4.1	0.7	0.9	0.3	0.1	0.4	0.1	0.1	0.1	0.4	15.1
LOW AREA 4	0.4	0.9	0.5	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.0
MCLEAN CREEK	0.5	1.5	1.0	0.1	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.1	3.7
MARRON RIVER	0.2	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
SHUTTLEWORTH CREEK	0.8	2.8	1.9	0.3	0.4	0.1	0.1	0.2	0.0	0.0	0.0	0.2	6.9
PARK RILL	1.1	2.6	1.6	0.1	0.2	0.0	0.1	0.2	0.0	0.0	0.0	0.2	6.1
VASEUX CREEK	3.7	12.1	8.6	1.2	1.7	0.5	0.3	0.8	0.1	0.1	0.1	0.8	30.1
LOW AREA 3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
KOLEOUB CREEK	0.3	0.7	0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
LOW AREA 2	0.3	0.8	0.5	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	1.9
TESTALINDEN CREEK	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	14.7	45.2	31.0	4.7	6.2	1.9	1.1	3.2	0.6	0.6	0.6	3.1	112.7
TOTALS	96.7	272.6	176.8	40.3	44.0	16.2	6.9	19.6	3.5	3.5	3.5	19.4	702.9

YEAR 1933-34
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.5	3.8	3.3	1.3	0.7	0.4	0.4	0.3	0.2	0.4	0.2	0.7	13.2
IRISH CREEK	0.3	0.9	0.8	0.3	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.2	3.0
EQUESIS CREEK	3.2	9.1	8.4	3.5	1.9	1.1	1.0	0.8	0.5	1.0	0.5	1.8	32.8
NASHWITO CREEK	1.4	4.5	4.3	1.8	1.0	0.6	0.5	0.4	0.2	0.5	0.3	0.9	16.3
LOW AREA 9	0.3	0.8	0.7	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	2.7
WHITEMAN CREEK	3.5	12.0	11.7	5.0	2.8	1.6	1.4	1.1	0.7	1.3	0.7	2.4	44.2
VERNON CREEK	7.5	20.7	18.8	6.8	3.6	2.0	2.2	1.8	1.1	2.1	1.2	3.9	71.7
SHORTS CREEK	3.2	11.2	11.1	4.5	2.5	1.5	1.3	1.0	0.6	1.2	0.7	2.2	41.0
LOW AREA 8	0.5	1.3	1.1	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	4.3
LAMBLY CREEK	4.5	13.4	12.6	4.4	2.3	1.3	1.4	1.1	0.7	1.4	0.8	2.5	46.3
KELOWNA CREEK	2.3	6.7	6.3	2.1	1.1	0.6	0.7	0.6	0.3	0.7	0.4	1.2	23.0
POWERS CREEK	1.9	5.7	5.3	1.7	0.9	0.5	0.6	0.5	0.3	0.6	0.3	1.0	19.3
MCDOUGALL CREEK	0.7	1.8	1.6	0.5	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.3	5.9
MISSION CREEK	15.6	53.4	52.8	18.6	10.1	5.7	5.9	4.7	2.8	5.6	3.1	10.1	188.3
TREPANIER CREEK	3.7	11.0	10.3	3.3	1.7	0.9	1.2	0.9	0.6	1.1	0.6	2.0	37.4
LOW AREA 7	0.2	0.4	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
PEACHLAND CREEK	2.1	5.8	5.4	1.6	0.8	0.4	0.6	0.5	0.3	0.6	0.3	1.0	19.5
BELLEVUE CREEK	1.4	5.5	5.7	2.0	1.1	0.6	0.6	0.5	0.3	0.6	0.3	1.1	19.7
LOW AREA 6	3.2	8.8	8.2	2.2	1.1	0.6	0.9	0.7	0.4	0.9	0.5	1.6	29.0
TROUT CREEK	11.8	38.8	38.2	11.6	6.1	3.3	4.1	3.3	2.0	3.9	2.2	7.1	132.5
NARAMATA CREEK	0.6	2.2	2.2	0.7	0.3	0.2	0.2	0.2	0.1	0.2	0.1	0.4	7.4
OLIVER CREEK	0.5	1.4	1.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	4.4
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	69.9	219.2	210.2	72.6	39.0	21.8	23.8	18.9	11.3	22.7	12.5	41.0	762.9
PENTICTON CREEK	1.6	7.1	7.5	2.5	1.4	0.8	0.8	0.6	0.4	0.8	0.4	1.4	25.3
LOW AREA 5	0.4	1.0	0.9	0.2	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.2	3.2
SHINGLE CREEK	2.3	7.4	7.2	1.9	1.0	0.5	0.8	0.6	0.4	0.7	0.4	1.3	24.5
ELLIS CREEK	1.5	5.4	5.5	1.5	0.8	0.4	0.6	0.5	0.3	0.5	0.3	1.0	18.4
LOW AREA 4	0.4	0.9	0.8	0.2	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.2	2.9
MCLEAN CREEK	0.4	1.4	1.4	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	4.5
NARROW RIVER	0.2	0.5	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6
SHUTTLEWORTH CREEK	0.7	2.5	2.5	0.7	0.4	0.2	0.3	0.2	0.1	0.2	0.1	0.4	8.3
PARK RILL	0.9	2.6	2.4	0.5	0.2	0.1	0.3	0.2	0.1	0.2	0.1	0.4	8.1
VASEUX CREEK	2.9	10.8	11.1	2.9	1.5	0.8	1.1	0.9	0.5	1.1	0.6	1.9	36.1
LOW AREA 3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
MCLEOD CREEK	0.3	0.8	0.7	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	2.4
LOW AREA 2	0.3	0.8	0.7	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.1	2.4
TESTALINDEN CREEK	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	12.0	41.4	41.6	11.2	5.8	3.0	4.3	3.4	2.1	4.1	2.3	7.5	138.8
TOTALS	81.9	260.6	251.8	83.8	44.8	24.8	28.1	22.3	13.4	26.8	14.8	48.5	901.6

YEAR 1934-35
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	4.8	2.0	0.6	0.8	0.6	0.1	0.2	0.4	0.1	0.0	0.2	0.5	10.2
IRISH CREEK	1.1	0.5	0.1	0.2	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.4
EQUESIS CREEK	11.2	6.4	2.3	2.4	1.9	0.3	0.5	1.0	0.2	0.1	0.6	1.3	28.4
NASHWITO CREEK	5.0	3.5	1.4	1.3	1.0	0.2	0.2	0.5	0.1	0.1	0.3	0.7	14.4
LOW AREA 9	1.0	0.4	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.0
WHITEMAN CREEK	12.9	10.2	4.1	3.6	2.8	0.6	0.7	1.5	0.3	0.2	0.8	1.9	39.6
VERNON CREEK	26.2	13.6	4.7	4.4	3.6	0.4	1.1	2.2	0.4	0.3	1.2	2.9	61.1
SHORTS CREEK	11.7	9.8	4.0	3.3	2.6	0.5	0.6	1.4	0.3	0.2	0.8	1.8	36.9
LOW AREA 8	1.8	0.7	0.2	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.1	0.2	3.5
LAMBLY CREEK	16.2	9.9	3.7	2.9	2.4	0.3	0.7	1.5	0.3	0.2	0.8	1.9	40.8
KELOWNA CREEK	8.3	4.8	1.8	1.3	1.1	0.1	0.3	0.7	0.1	0.1	0.4	1.0	20.2
POWERS CREEK	6.9	4.1	1.5	1.1	0.9	0.1	0.3	0.6	0.1	0.1	0.3	0.8	16.9
MCDOUGALL CREEK	2.3	1.1	0.4	0.3	0.3	0.0	0.1	0.2	0.0	0.0	0.1	0.2	5.0
MISSION CREEK	57.6	45.7	18.9	12.6	10.7	1.5	2.9	6.3	1.2	0.8	3.5	8.1	169.9
TREPANIER CREEK	13.4	8.0	3.1	2.1	1.8	0.1	0.6	1.2	0.2	0.1	0.7	1.6	32.9
LOW AREA 7	0.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
PEACHLAND CREEK	7.3	4.0	1.5	0.9	0.9	0.0	0.3	0.6	0.1	0.1	0.3	0.8	16.9
BELLEVUE CREEK	5.4	5.2	2.3	1.4	1.2	0.2	0.3	0.7	0.1	0.1	0.4	0.8	17.9
LOW AREA 6	11.3	5.9	2.2	1.3	1.2	0.0	0.4	0.9	0.2	0.1	0.5	1.2	25.1
TROUT CREEK	43.2	31.9	13.2	7.2	6.6	0.5	2.0	4.4	0.8	0.5	2.4	5.6	118.4
NARAMATA CREEK	2.3	1.8	0.8	0.4	0.4	0.0	0.1	0.2	0.0	0.0	0.1	0.3	6.6
OLIVER CREEK	1.8	0.8	0.3	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.2	3.6
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	252.4	170.4	67.1	47.8	40.6	5.1	11.6	24.8	4.6	3.0	13.7	32.0	673.0
PENTICTON CREEK	6.1	7.2	3.3	1.7	1.5	0.2	0.4	0.8	0.2	0.1	0.5	1.1	23.1
LOW AREA 5	1.4	0.6	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.1	2.8
SHINGLE CREEK	8.4	5.9	2.5	1.1	1.1	0.0	0.4	0.8	0.1	0.1	0.4	1.0	21.8
ELLIS CREEK	5.7	4.7	2.0	0.9	0.9	0.0	0.3	0.6	0.1	0.1	0.3	0.8	16.5
LOW AREA 4	1.3	0.5	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.4
MCLEAN CREEK	1.5	1.2	0.5	0.2	0.2	0.0	0.1	0.2	0.0	0.0	0.1	0.2	4.1
NARROW RIVER	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
SHUTTLEWORTH CREEK	2.5	2.2	1.0	0.4	0.4	0.0	0.1	0.3	0.1	0.0	0.2	0.4	7.5
PARK RILL	3.3	1.7	0.6	0.2	0.2	0.0	0.1	0.3	0.0	0.0	0.1	0.3	6.7
VASEUX CREEK	10.6	9.8	4.4	1.7	1.7	0.0	0.6	1.2	0.2	0.1	0.7	1.5	32.6
LOW AREA 3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
MCLEOD CREEK	1.0	0.5	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.0
LOW AREA 2	0.9	0.6	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.1
TESTALINDEN CREEK	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	43.8	35.5	15.3	6.5	6.3	0.3	2.1	4.6	0.8	0.6	2.5	5.9	124.3
TOTALS	296.2	205.9	82.4	54.3	46.9	5.4	13.7	29.4	5.4	3.6	16.2	37.9	797.3

YEAR 1935-36
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.9	3.5	2.0	1.8	0.8	0.4	0.0	0.0	0.0	0.2	0.0	0.2	10.0
IRISH CREEK	0.2	0.8	0.5	0.4	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.1	2.4
EQUESIS CREEK	2.1	9.5	5.9	5.2	2.6	1.4	0.1	0.1	0.1	0.6	0.1	0.6	28.3
NASHWITO CREEK	0.9	4.7	3.1	2.7	1.4	0.7	0.1	0.1	0.1	0.3	0.1	0.3	14.5
LOW AREA 9	0.2	0.7	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.0
WHITEMAN CREEK	2.4	12.8	8.8	7.5	3.8	2.0	0.2	0.2	0.2	0.9	0.2	0.9	39.7
VERNON CREEK	4.8	21.4	13.0	10.6	5.1	2.5	0.3	0.3	0.3	1.3	0.3	1.3	61.2
SHORTS CREEK	2.2	12.0	8.4	6.9	3.6	1.9	0.2	0.2	0.2	0.8	0.2	0.8	37.3
LOW AREA 8	0.3	1.3	0.7	0.6	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.1	3.5
LAMBLY CREEK	3.1	14.4	9.3	7.2	3.5	1.7	0.2	0.2	0.2	0.9	0.2	0.9	41.8
KELOWNA CREEK	1.6	7.2	4.6	3.5	1.6	0.8	0.1	0.1	0.1	0.4	0.1	0.4	20.6
POWERS CREEK	1.3	6.2	4.0	3.0	1.4	0.7	0.1	0.1	0.1	0.4	0.1	0.4	17.6
MCCULLOCH CREEK	0.5	1.9	1.2	0.9	0.4	0.2	0.0	0.0	0.0	0.1	0.0	0.1	5.3
MISSION CREEK	10.7	57.5	40.1	30.3	14.8	7.5	0.7	0.8	0.8	3.7	0.7	3.7	171.5
TREPANIER CREEK	2.6	12.1	7.8	5.8	2.7	1.3	0.1	0.2	0.2	0.7	0.1	0.7	34.3
LOW AREA 7	0.1	0.4	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
PEACHLAND CREEK	1.4	6.4	4.0	2.9	1.3	0.6	0.1	0.1	0.1	0.4	0.1	0.4	17.8
BELLEVUE CREEK	1.8	6.0	4.4	3.2	1.6	0.8	0.1	0.1	0.1	0.4	0.1	0.4	18.2
LOW AREA 6	2.2	9.7	6.0	4.2	1.8	0.8	0.1	0.1	0.1	0.6	0.1	0.6	26.3
TROUT CREEK	8.4	43.4	29.8	20.9	9.8	4.7	0.5	0.6	0.6	2.7	0.5	2.7	124.6
PARAMATA CREEK	0.4	2.3	1.7	1.1	0.5	0.3	0.0	0.0	0.0	0.1	0.0	0.1	6.8
OKANAS CREEK	0.4	1.5	0.9	0.6	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.1	3.9
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	47.6	235.9	156.8	119.7	57.7	28.9	3.0	3.2	3.4	14.8	2.9	15.0	688.7
PENTICTON CREEK	1.1	7.5	5.8	4.1	2.0	1.0	0.1	0.1	0.1	0.5	0.1	0.5	23.0
LOW AREA 5	0.3	1.1	0.7	0.4	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.1	2.9
SHINGLE CREEK	1.6	8.0	5.5	3.6	1.6	0.7	0.1	0.1	0.1	0.5	0.1	0.5	22.4
ELLIS CREEK	1.1	5.9	4.2	2.8	1.3	0.6	0.1	0.1	0.1	0.4	0.1	0.4	16.9
LOW AREA 4	0.3	1.0	0.6	0.4	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	2.6
MCLEAN CREEK	0.3	1.5	1.0	0.7	0.3	0.1	0.0	0.0	0.0	0.1	0.0	0.1	4.1
MARRON RIVER	0.1	0.6	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
SHUTTLEWORTH CREEK	0.5	2.7	1.9	1.2	0.6	0.3	0.0	0.0	0.0	0.2	0.0	0.2	7.6
PARK RILL	0.6	2.8	1.8	1.1	0.4	0.2	0.0	0.0	0.0	0.2	0.0	0.2	7.3
VASEUX CREEK	2.0	11.7	8.6	5.4	2.5	1.1	0.1	0.2	0.2	0.7	0.1	0.7	33.3
LOW AREA 3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
WOLFCUB CREEK	0.2	0.9	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
LOW AREA 2	0.2	0.8	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.2
TESTALINDEN CREEK	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	8.3	44.8	31.8	20.5	9.3	4.3	0.6	0.6	0.6	2.7	0.5	2.8	127.0
TOTALS	55.9	280.7	188.6	140.2	67.0	33.2	3.6	3.8	4.0	17.5	3.4	17.8	815.7

YEAR 1936-37
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.6	2.5	1.1	0.6	0.4	0.1	0.1	0.0	0.1	0.0	0.0	0.2	6.7
IRISH CREEK	0.4	0.7	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.8
EQUESIS CREEK	4.5	8.4	4.1	2.3	1.4	0.6	0.5	0.1	0.2	0.1	0.1	0.7	23.0
NASHWITO CREEK	2.1	4.4	2.3	1.3	0.8	0.4	0.3	0.1	0.1	0.1	0.1	0.4	12.1
LOW AREA 9	0.3	0.5	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
WHITEMAN CREEK	5.4	12.2	6.5	3.6	2.2	1.0	0.7	0.2	0.4	0.2	0.2	1.0	33.5
VERNON CREEK	10.3	18.3	8.7	4.1	2.5	1.0	1.0	0.2	0.5	0.2	0.2	1.5	48.7
SHORTS CREEK	4.9	11.5	6.3	3.3	2.0	0.9	0.7	0.2	0.3	0.2	0.2	1.0	31.4
LOW AREA 8	0.7	1.3	0.4	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.6
LAMBLY CREEK	6.6	12.8	6.4	2.8	1.7	0.7	0.7	0.2	0.4	0.2	0.2	1.0	33.7
KELOWNA CREEK	3.4	6.4	3.2	1.3	0.8	0.3	0.4	0.1	0.2	0.1	0.1	0.5	16.6
POWERS CREEK	2.8	5.3	2.7	1.1	0.7	0.3	0.3	0.1	0.1	0.1	0.1	0.4	13.9
MCCULLOCH CREEK	0.9	1.6	0.7	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	4.0
MISSION CREEK	24.2	55.0	30.1	12.9	8.0	3.4	3.1	0.7	1.5	0.7	0.7	4.4	145.0
TREPANIER CREEK	5.4	10.5	5.3	2.1	1.3	0.5	0.6	0.1	0.3	0.1	0.1	0.8	27.2
LOW AREA 7	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
PEACHLAND CREEK	2.9	5.4	2.7	1.0	0.6	0.2	0.3	0.1	0.1	0.1	0.1	0.4	13.8
BELLEVUE CREEK	2.3	5.9	3.4	1.4	0.9	0.4	0.3	0.1	0.2	0.1	0.1	0.5	15.6
LOW AREA 6	4.5	8.1	3.9	1.3	0.8	0.2	0.4	0.1	0.2	0.1	0.1	0.6	20.4
TROUT CREEK	18.2	39.7	21.5	7.7	4.8	1.8	2.2	0.5	1.1	0.5	0.5	3.1	101.5
PARAMATA CREEK	1.0	2.2	1.2	0.4	0.3	0.1	0.1	0.0	0.1	0.0	0.0	0.2	5.7
OKANAS CREEK	0.7	1.1	0.5	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.8
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	103.0	213.9	111.7	48.0	29.6	12.1	12.0	2.7	6.0	2.7	2.7	17.1	561.5
PENTICTON CREEK	2.8	8.3	5.1	2.0	1.2	0.5	0.5	0.1	0.2	0.1	0.1	0.7	21.7
LOW AREA 5	0.6	0.9	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.3
SHINGLE CREEK	3.8	8.0	4.3	1.3	0.8	0.3	0.4	0.1	0.2	0.1	0.1	0.6	19.9
ELLIS CREEK	2.6	6.1	3.4	1.1	0.7	0.2	0.3	0.1	0.2	0.1	0.1	0.5	15.3
LOW AREA 4	0.5	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.9
MCLEAN CREEK	0.7	1.5	0.8	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.7
MARRON RIVER	0.3	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
SHUTTLEWORTH CREEK	1.1	2.8	1.6	0.5	0.3	0.1	0.1	0.0	0.1	0.0	0.0	0.2	6.9
PARK RILL	1.4	2.5	1.2	0.2	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.2	6.0
VASEUX CREEK	4.9	12.3	7.2	2.0	1.3	0.4	0.7	0.1	0.3	0.1	0.1	0.9	30.5
LOW AREA 3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
WOLFCUB CREEK	0.4	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
LOW AREA 2	0.4	0.8	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.9
TESTALINDEN CREEK	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	19.6	45.5	25.6	7.7	4.8	1.7	2.4	0.5	1.2	0.5	0.5	3.5	113.6
TOTALS	122.6	259.4	137.3	55.7	34.4	13.8	14.4	3.2	7.2	3.2	3.2	20.6	675.2

YEAR 1937-38
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.2	3.5	2.9	1.0	0.5	0.4	0.3	0.1	0.1	0.1	0.1	0.5	10.5
IRISH CREEK	0.2	0.6	0.5	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	1.8
EQUESIS CREEK	2.2	7.7	6.8	2.5	1.2	1.0	0.7	0.2	0.1	0.1	0.1	1.0	23.6
NASWHITO CREEK	1.0	3.9	3.6	1.4	0.7	0.5	0.4	0.1	0.1	0.1	0.1	0.5	12.3
LOW AREA 9	0.2	0.5	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5
WHITEMAN CREEK	2.7	10.7	10.2	3.8	1.9	1.5	1.0	0.3	0.2	0.2	0.2	1.5	34.1
VERNON CREEK	5.2	17.0	14.9	4.6	2.1	1.7	1.4	0.4	0.3	0.3	0.3	2.2	50.2
SHORTS CREEK	2.4	10.1	9.8	3.5	1.8	1.4	0.9	0.2	0.2	0.2	0.2	1.4	32.1
LOW AREA 8	0.3	1.0	0.8	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.7
LAMBLY CREEK	3.3	11.6	10.6	3.1	1.5	1.2	1.0	0.3	0.2	0.2	0.2	1.5	34.5
KELOWNA CREEK	1.7	5.8	5.3	1.5	0.7	0.6	0.5	0.1	0.1	0.1	0.1	0.7	17.0
POWERS CREEK	1.4	4.9	4.4	1.2	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.6	14.3
MCDOUGALL CREEK	0.5	1.4	1.3	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	4.1
MISSION CREEK	12.0	48.5	46.7	14.2	6.8	5.5	4.2	1.1	0.7	0.7	0.7	6.5	147.7
TREPANIER CREEK	2.7	9.6	8.7	2.4	1.1	0.9	0.8	0.2	0.1	0.1	0.1	1.2	28.0
LOW AREA 7	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
PEACHLAND CREEK	1.5	5.0	4.5	1.1	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.6	14.2
BELLEVUE CREEK	1.1	5.1	5.1	1.6	0.8	0.6	0.5	0.1	0.1	0.1	0.1	0.7	15.8
LOW AREA 6	2.3	7.5	6.7	1.5	0.6	0.5	0.6	0.2	0.1	0.1	0.1	0.9	21.0
TROUT CREEK	9.1	35.3	33.8	8.7	3.9	3.3	3.0	0.8	0.5	0.5	0.5	4.6	103.8
NARAMATA CREEK	0.5	2.0	1.9	0.5	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	5.8
ENEAS CREEK	0.4	1.1	0.9	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.9
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	51.8	192.9	180.1	53.5	25.0	20.6	16.5	4.5	2.9	2.9	2.9	25.4	579.1
PENTICTON CREEK	1.2	6.0	6.2	1.8	0.9	0.7	0.5	0.1	0.1	0.1	0.1	0.8	18.6
LOW AREA 5	0.3	0.9	0.8	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.4
SHINGLE CREEK	1.9	7.2	6.8	1.5	0.6	0.6	0.6	0.2	0.1	0.1	0.1	0.9	20.5
ELLIS CREEK	1.3	5.4	5.3	1.2	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.7	15.7
LOW AREA 4	0.3	0.8	0.7	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.0
MCLEAN CREEK	0.3	1.3	1.3	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	3.8
MARRON RIVER	0.1	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
SHUTTLEWORTH CREEK	0.6	2.4	2.4	0.5	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.3	7.1
PARK HILL	0.7	2.3	2.1	0.3	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.3	6.2
VASEUX CREEK	2.4	10.7	10.8	2.4	1.0	0.9	0.9	0.2	0.2	0.2	0.2	1.4	31.2
LOW AREA 3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
MCLEOD CREEK	0.2	0.7	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
LOW AREA 2	0.2	0.7	0.7	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	1.9
TESTALINDEN CREEK	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	9.6	39.1	38.3	8.5	3.7	3.2	3.2	0.9	0.6	0.6	0.6	5.0	113.1
TOTALS	61.4	232.0	218.4	62.0	28.7	23.8	19.7	5.4	3.5	3.5	3.5	30.4	692.1

YEAR 1938-39
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.0	2.1	0.8	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	5.1
IRISH CREEK	0.3	0.7	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.7
EQUESIS CREEK	3.6	8.8	3.6	2.1	1.1	1.0	0.2	0.1	0.1	0.2	0.1	0.8	21.7
NASWHITO CREEK	1.7	4.6	2.1	1.2	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.4	11.5
LOW AREA 9	0.3	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
WHITEMAN CREEK	4.4	12.7	6.0	3.2	1.8	1.6	0.2	0.2	0.2	0.3	0.2	1.1	31.9
VERNON CREEK	8.3	19.1	7.7	3.7	1.9	1.9	0.3	0.2	0.2	0.4	0.2	1.6	45.7
SHORTS CREEK	4.0	12.0	5.8	3.0	1.6	1.5	0.2	0.2	0.2	0.3	0.2	1.1	30.0
LOW AREA 8	0.5	1.0	0.4	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.3
LAMBLY CREEK	5.3	13.2	5.7	2.5	1.3	1.3	0.2	0.2	0.2	0.3	0.2	1.1	31.6
KELOWNA CREEK	2.7	6.6	2.8	1.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.5	15.5
POWERS CREEK	2.2	5.5	2.3	1.0	0.5	0.5	0.1	0.1	0.1	0.1	0.1	0.5	12.9
MCDOUGALL CREEK	0.7	1.6	0.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	3.6
MISSION CREEK	19.9	57.3	27.5	11.7	6.3	6.1	1.0	0.7	0.7	1.2	0.7	5.0	138.5
TREPANIER CREEK	4.4	10.8	4.7	1.8	0.9	1.0	0.2	0.1	0.1	0.2	0.1	0.9	25.3
LOW AREA 7	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
PEACHLAND CREEK	2.3	5.5	2.3	0.8	0.4	0.4	0.1	0.1	0.1	0.1	0.1	0.5	12.7
BELLEVUE CREEK	1.9	6.1	3.2	1.3	0.7	0.7	0.1	0.1	0.1	0.1	0.1	0.5	14.9
LOW AREA 6	3.6	8.3	3.4	1.1	0.5	0.6	0.1	0.1	0.1	0.2	0.1	0.7	18.8
TROUT CREEK	14.8	40.7	19.3	6.8	3.5	3.6	0.7	0.5	0.5	0.8	0.5	3.4	95.3
NARAMATA CREEK	0.8	2.3	1.1	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	5.4
ENEAS CREEK	0.5	1.1	0.4	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.5
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	83.5	220.9	100.2	42.9	22.6	22.4	3.7	2.8	2.8	4.6	2.8	19.0	528.1
PENTICTON CREEK	2.1	7.7	4.3	1.6	0.9	0.8	0.1	0.1	0.1	0.2	0.1	0.7	18.7
LOW AREA 5	0.4	0.9	0.4	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.0
SHINGLE CREEK	3.0	8.1	3.8	1.1	0.6	0.6	0.1	0.1	0.1	0.2	0.1	0.7	18.5
ELLIS CREEK	2.1	6.1	3.1	0.9	0.5	0.5	0.1	0.1	0.1	0.1	0.1	0.5	14.2
LOW AREA 4	0.4	0.8	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
MCLEAN CREEK	0.5	1.5	0.8	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	3.5
MARRON RIVER	0.2	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
SHUTTLEWORTH CREEK	0.9	2.8	1.5	0.4	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.2	6.5
PARK HILL	1.1	2.5	1.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	5.4
VASEUX CREEK	3.9	12.4	6.5	1.8	0.9	1.0	0.2	0.2	0.2	0.2	0.2	1.0	28.5
LOW AREA 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
MCLEOD CREEK	0.3	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.4
LOW AREA 2	0.3	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
TESTALINDEN CREEK	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	15.4	45.1	22.4	6.5	3.4	3.6	0.7	0.5	0.5	0.9	0.5	3.7	103.5
TOTALS	98.9	266.0	122.6	49.4	26.0	26.0	4.4	3.3	3.3	5.5	3.3	22.7	631.6

YEAR 1939-40
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.5	2.3	1.0	0.7	0.3	0.3	0.0	0.1	0.2	0.0	0.0	0.5	7.0
IRISH CREEK	0.3	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
EQUESIS CREEK	3.2	6.6	2.9	2.0	0.9	0.7	0.1	0.2	0.5	0.1	0.1	1.2	18.0
NASHWITO CREEK	1.5	3.2	1.7	1.1	0.5	0.4	0.1	0.1	0.2	0.1	0.1	0.7	9.8
LOW AREA 9	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0
WHITEMAN CREEK	4.0	9.1	5.0	3.2	1.6	1.2	0.2	0.4	0.7	0.2	0.2	1.9	27.5
VERNON CREEK	7.1	12.7	6.2	3.7	1.6	1.3	0.2	0.5	0.9	0.2	0.2	2.6	37.3
SHORTS CREEK	3.6	8.7	4.8	3.0	1.5	1.1	0.2	0.3	0.7	0.2	0.2	1.8	26.0
LOW AREA 8	0.4	0.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6
LAMBLY CREEK	4.6	9.1	4.7	2.6	1.1	0.9	0.2	0.3	0.7	0.2	0.2	1.8	26.3
KELOWNA CREEK	2.3	4.5	2.3	1.2	0.5	0.4	0.1	0.2	0.3	0.1	0.1	0.9	12.8
POWERS CREEK	1.9	3.7	1.9	1.0	0.4	0.4	0.1	0.1	0.3	0.1	0.1	0.7	10.7
MCDOUGALL CREEK	0.6	1.0	0.5	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.2	2.9
MISSION CREEK	18.1	41.5	23.1	12.3	5.7	4.5	0.8	1.6	3.0	0.8	0.8	8.3	120.4
IRESPANIER CREEK	3.8	7.3	3.8	1.9	0.8	0.7	0.1	0.3	0.5	0.1	0.1	1.4	20.9
LOW AREA 7	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
PEACHLAND CREEK	2.0	3.6	1.8	0.9	0.4	0.3	0.1	0.1	0.3	0.1	0.1	0.7	10.2
BELLEVUE CREEK	1.7	4.5	2.7	1.4	0.6	0.5	0.1	0.2	0.3	0.1	0.1	0.9	13.1
LOW AREA 6	3.0	5.4	2.7	1.2	0.5	0.4	0.1	0.2	0.4	0.1	0.1	1.0	15.1
TROUT CREEK	13.1	28.8	15.9	7.4	3.2	2.6	0.5	1.0	2.0	0.5	0.5	5.6	81.1
NARAMATA CREEK	0.7	1.7	0.9	0.4	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.3	4.7
EneAS CREEK	0.4	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	74.1	155.3	82.8	44.8	20.2	16.2	2.9	5.8	11.3	2.9	2.9	31.0	450.0
PENTICTON CREEK	1.9	5.7	3.5	1.7	0.8	0.6	0.1	0.2	0.4	0.1	0.1	1.1	16.3
LOW AREA 5	0.3	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5
SHINGLE CREEK	2.7	5.8	3.2	1.3	0.5	0.4	0.1	0.2	0.4	0.1	0.1	1.1	16.1
ELLIS CREEK	1.9	4.5	2.6	1.1	0.5	0.4	0.1	0.2	0.3	0.1	0.1	0.9	12.4
LOW AREA 4	0.3	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2
MCLEAN CREEK	0.5	1.1	0.6	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.2	3.0
MARRON RIVER	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
SHUTTLEWORTH CREEK	0.8	2.1	1.2	0.5	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.4	5.7
PARK HILL	1.0	1.7	0.9	0.3	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.3	4.6
VASEUX CREEK	3.6	9.2	5.5	2.1	0.9	0.7	0.2	0.3	0.6	0.2	0.2	1.7	25.2
LOW AREA 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
WOLFCUB CREEK	0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
LOW AREA 2	0.3	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5
TESTALINDEN CREEK	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	13.8	32.5	18.7	7.5	3.1	2.6	0.6	1.2	2.3	0.6	0.6	6.2	89.7
TOTALS	87.9	187.8	101.5	52.3	23.3	18.8	3.5	7.0	13.5	3.5	3.5	37.2	539.7

YEAR 1940-41
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.7	2.5	0.9	0.6	0.3	0.4	0.1	0.1	0.1	0.1	0.1	0.5	7.2
IRISH CREEK	0.2	0.4	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.0
EQUESIS CREEK	3.1	5.4	2.3	1.4	0.8	0.9	0.1	0.1	0.1	0.2	0.1	1.0	15.6
NASHWITO CREEK	1.5	3.1	1.4	0.8	0.5	0.6	0.1	0.1	0.1	0.1	0.1	0.6	8.8
LOW AREA 9	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
WHITEMAN CREEK	4.0	8.6	4.2	2.3	1.3	1.6	0.2	0.2	0.2	0.4	0.2	1.6	24.8
VERNON CREEK	6.7	11.2	4.7	2.3	1.3	1.7	0.2	0.2	0.2	0.4	0.2	2.1	31.4
SHORTS CREEK	3.7	8.2	4.1	2.1	1.2	1.5	0.2	0.2	0.2	0.3	0.2	1.6	23.4
LOW AREA 8	0.3	0.4	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.2
LAMBLY CREEK	4.5	8.2	3.7	1.7	0.9	1.2	0.2	0.2	0.2	0.3	0.2	1.5	22.6
KELOWNA CREEK	2.2	4.0	1.8	0.7	0.4	0.6	0.1	0.1	0.1	0.2	0.1	0.7	10.9
POWERS CREEK	1.8	3.3	1.5	0.6	0.3	0.5	0.1	0.1	0.1	0.1	0.1	0.6	9.0
MCDOUGALL CREEK	0.5	0.9	0.4	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	2.3
MISSION CREEK	18.4	39.4	19.5	8.4	4.8	6.1	0.8	0.8	0.8	1.6	0.8	7.2	108.5
IRESPANIER CREEK	3.7	6.7	3.0	1.2	0.7	0.9	0.1	0.1	0.1	0.3	0.1	1.2	18.1
LOW AREA 7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
PEACHLAND CREEK	1.9	3.3	1.5	0.5	0.3	0.4	0.1	0.1	0.1	0.1	0.1	0.6	8.9
BELLEVUE CREEK	1.8	4.4	2.3	1.0	0.5	0.7	0.1	0.1	0.1	0.2	0.1	0.8	12.0
LOW AREA 6	2.8	4.8	2.1	0.7	0.4	0.6	0.1	0.1	0.1	0.2	0.1	0.8	12.7
TROUT CREEK	13.3	27.2	13.3	4.7	2.6	3.7	0.5	0.5	0.5	1.0	0.5	4.8	72.8
NARAMATA CREEK	0.7	1.6	0.8	0.3	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.3	4.2
EneAS CREEK	0.4	0.9	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.4
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	73.6	144.4	68.1	29.7	16.6	21.8	2.8	2.8	2.8	5.7	2.8	26.4	397.5
PENTICTON CREEK	2.0	5.6	3.2	1.2	0.7	0.9	0.1	0.1	0.1	0.2	0.1	1.0	15.2
LOW AREA 5	0.3	0.5	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.4
SHINGLE CREEK	3.0	5.9	2.9	0.8	0.5	0.7	0.1	0.1	0.1	0.2	0.1	1.0	15.4
ELLIS CREEK	2.0	4.4	2.3	0.7	0.4	0.6	0.1	0.1	0.1	0.2	0.1	0.8	11.6
LOW AREA 4	0.3	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
MCLEAN CREEK	0.5	1.1	0.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	2.9
MARRON RIVER	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SHUTTLEWORTH CREEK	0.9	2.1	1.1	0.3	0.2	0.3	0.0	0.0	0.0	0.1	0.0	0.4	5.5
PARK HILL	1.3	1.7	0.7	0.1	0.1	0.2	0.0	0.0	0.0	0.1	0.0	0.3	4.2
VASEUX CREEK	3.9	9.2	4.9	1.3	0.8	1.1	0.2	0.2	0.2	0.3	0.2	1.6	23.9
LOW AREA 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
WOLFCUB CREEK	0.3	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0
LOW AREA 2	0.3	0.6	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.4
TESTALINDEN CREEK	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	14.7	32.3	16.6	4.9	2.7	4.1	0.6	0.6	0.6	1.2	0.6	5.6	84.4
TOTALS	88.3	176.7	84.7	34.6	19.3	25.9	3.4	3.4	3.4	6.9	3.4	32.0	482.0

YEAR 1941-42
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.2	1.0	0.7	0.5	0.3	0.3	0.5	0.2	0.2	0.0	0.1	0.1	5.2
IRISH CREEK	0.4	0.3	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	1.7
EQUESIS CREEK	4.3	4.3	3.3	2.4	1.4	1.3	1.9	1.0	0.7	0.1	0.5	0.5	21.7
NASWHITO CREEK	2.0	2.4	1.8	1.3	0.8	0.7	1.0	0.5	0.4	0.1	0.2	0.3	11.5
LOW AREA 9	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.3
WHITEMAN CREEK	5.2	6.7	5.2	3.7	2.2	2.0	2.9	1.4	1.0	0.2	0.7	0.8	31.9
VERNON CREEK	9.8	9.3	7.1	4.6	2.6	2.5	4.1	2.0	1.4	0.3	1.0	1.1	45.8
SHORTS CREEK	4.8	6.4	5.1	3.4	2.0	1.9	2.7	1.3	0.9	0.2	0.6	0.7	30.1
LOW AREA 8	0.6	0.5	0.3	0.2	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.1	2.3
LAMBLY CREEK	6.3	6.6	5.2	3.2	1.8	1.8	2.8	1.4	1.0	0.2	0.7	0.7	31.6
KELOWNA CREEK	3.2	3.3	2.5	1.5	0.8	0.8	1.4	0.7	0.5	0.1	0.3	0.4	15.5
POWERS CREEK	2.7	2.7	2.1	1.3	0.7	0.7	1.2	0.6	0.4	0.1	0.3	0.3	13.0
MCDOUGALL CREEK	0.8	0.7	0.6	0.3	0.2	0.2	0.3	0.2	0.1	0.0	0.1	0.1	3.6
MISSION CREEK	23.5	30.3	24.1	14.4	8.3	8.0	12.4	6.1	4.4	0.8	2.9	3.3	138.6
TREPANIER CREEK	5.1	5.4	4.2	2.4	1.4	1.3	2.3	1.1	0.8	0.1	0.5	0.6	25.4
LOW AREA 7	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.7
PEACHLAND CREEK	2.7	2.7	2.1	1.1	0.6	0.6	1.1	0.6	0.4	0.1	0.3	0.3	12.7
BELLEVUE CREEK	2.2	3.4	2.7	1.6	0.9	0.9	1.3	0.7	0.5	0.1	0.3	0.4	14.9
LOW AREA 6	4.2	4.0	3.1	1.6	0.9	0.9	1.7	0.8	0.6	0.1	0.4	0.4	18.8
TROUT CREEK	17.4	21.2	17.0	9.0	5.1	5.0	8.5	4.2	3.0	0.5	2.0	2.3	95.4
NARAMATA CREEK	0.9	1.2	1.0	0.5	0.3	0.3	0.5	0.2	0.2	0.0	0.1	0.1	5.4
LNEAS CREEK	0.6	0.5	0.4	0.2	0.1	0.1	0.2	0.1	0.1	0.0	0.1	0.1	2.5
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	98.4	113.4	89.2	53.7	30.6	29.8	47.4	23.4	16.7	2.9	11.2	12.5	529.2
PENTICTON CREEK	3.2	5.8	4.7	2.6	1.5	1.4	2.2	1.1	0.8	0.1	0.5	0.6	24.6
LOW AREA 5	0.5	0.4	0.3	0.2	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	2.0
SHINGLE CREEK	3.5	4.1	3.3	1.6	0.9	0.9	1.6	0.8	0.6	0.1	0.4	0.4	18.0
ELLIS CREEK	2.4	3.2	2.6	1.3	0.7	0.7	1.2	0.6	0.4	0.1	0.3	0.3	13.9
LOW AREA 4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.6
MCLEAN CREEK	0.6	0.8	0.6	0.3	0.2	0.2	0.3	0.2	0.1	0.0	0.1	0.1	3.4
MARRON RIVER	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.7
SHUTTLEWORTH CREEK	1.0	1.5	1.2	0.6	0.3	0.3	0.6	0.3	0.2	0.0	0.1	0.1	6.3
PARK RILL	1.2	1.2	0.9	0.4	0.2	0.2	0.5	0.2	0.2	0.0	0.1	0.1	5.2
VASEUX CREEK	4.5	6.6	5.4	2.5	1.4	1.4	2.5	1.2	0.9	0.2	0.6	0.7	27.7
LOW AREA 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
KELLEGUE CREEK	0.4	0.3	0.2	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	1.4
LOW AREA 2	0.4	0.4	0.3	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	1.7
TESTALINDEN CREEK	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.6
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	18.5	24.8	20.2	9.7	5.4	5.4	9.6	4.7	3.4	0.6	2.3	2.5	107.1
TOTALS	116.9	138.2	109.4	63.4	36.0	35.2	57.0	28.1	20.1	3.5	13.5	15.0	636.3

YEAR 1942-43
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.3	2.5	1.7	0.9	0.4	0.2	0.0	0.0	0.0	0.0	0.1	0.1	7.3
IRISH CREEK	0.4	0.8	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.4
EQUESIS CREEK	4.3	9.5	7.0	3.8	1.6	0.8	0.1	0.1	0.1	0.1	0.5	0.2	28.2
NASWHITO CREEK	1.9	4.8	3.7	2.0	0.9	0.4	0.1	0.1	0.1	0.1	0.3	0.1	14.4
LOW AREA 9	0.4	0.7	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
WHITEMAN CREEK	4.9	13.2	10.4	5.5	2.5	1.2	0.2	0.2	0.2	0.2	0.7	0.3	39.5
VERNON CREEK	9.9	21.3	15.4	7.3	2.8	1.2	0.3	0.3	0.3	0.3	1.1	0.5	60.7
SHORTS CREEK	4.5	12.4	9.9	5.1	2.2	1.1	0.2	0.2	0.2	0.2	0.7	0.3	36.9
LOW AREA 8	0.7	1.2	0.8	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	3.4
LAMBLY CREEK	6.2	14.4	10.9	4.9	1.9	0.8	0.2	0.2	0.2	0.2	0.7	0.3	40.9
KELOWNA CREEK	3.2	7.2	5.4	2.3	0.9	0.4	0.1	0.1	0.1	0.1	0.4	0.2	20.2
POWERS CREEK	2.7	6.1	4.6	1.9	0.7	0.3	0.1	0.1	0.1	0.1	0.3	0.1	17.0
MCDOUGALL CREEK	0.9	1.9	1.3	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.0	5.1
MISSION CREEK	22.0	59.2	47.4	21.1	8.7	4.0	0.7	0.7	0.8	0.7	3.1	1.3	169.8
TREPANIER CREEK	5.1	11.8	9.0	3.7	1.4	0.6	0.1	0.1	0.1	0.1	0.6	0.3	33.1
LOW AREA 7	0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
PEACHLAND CREEK	2.8	6.2	4.6	1.8	0.6	0.2	0.1	0.1	0.1	0.1	0.3	0.1	17.0
BELLEVUE CREEK	2.0	6.2	5.2	2.3	1.0	0.4	0.1	0.1	0.1	0.1	0.3	0.1	17.9
LOW AREA 6	4.3	9.3	6.9	2.5	0.8	0.3	0.1	0.1	0.1	0.1	0.5	0.2	25.3
TROUT CREEK	16.7	43.0	34.2	13.4	5.0	2.1	0.5	0.5	0.5	0.5	2.2	0.9	119.7
NARAMATA CREEK	0.9	2.4	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.1	0.1	6.6
LNEAS CREEK	0.7	1.4	1.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	3.7
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	96.0	236.0	182.8	81.0	32.3	14.3	2.9	2.9	3.0	2.9	12.3	5.1	671.5
PENTICTON CREEK	2.4	8.2	7.1	3.0	1.3	0.6	0.1	0.1	0.1	0.1	0.4	0.2	23.6
LOW AREA 5	0.5	1.1	0.8	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	2.8
SHINGLE CREEK	3.3	8.3	6.5	2.3	0.8	0.3	0.1	0.1	0.1	0.1	0.4	0.2	22.4
ELLIS CREEK	2.2	6.2	5.0	1.8	0.7	0.3	0.1	0.1	0.1	0.1	0.3	0.1	16.9
LOW AREA 4	0.5	1.0	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
MCLEAN CREEK	0.6	1.5	1.2	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	4.1
MARRON RIVER	0.3	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
SHUTTLEWORTH CREEK	1.0	2.8	2.4	0.8	0.3	0.1	0.0	0.0	0.0	0.0	0.1	0.1	7.7
PARK RILL	1.3	2.8	2.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	7.1
VASEUX CREEK	4.2	12.3	10.3	3.5	1.2	0.5	0.1	0.1	0.1	0.1	0.6	0.3	33.5
LOW AREA 3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
KELLEGUE CREEK	0.4	0.8	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
LOW AREA 2	0.3	0.8	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
TESTALINDEN CREEK	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	17.1	46.6	38.0	13.2	4.7	1.8	0.5	0.5	0.6	0.5	2.3	1.0	126.9
TOTALS	113.1	282.6	220.8	94.2	37.0	16.1	3.4	3.4	3.6	3.4	14.6	6.1	798.4

YEAR 1943-44
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.6	2.3	1.8	0.9	0.4	0.1	0.2	0.0	0.0	0.0	0.1	0.0	7.6
IRISH CREEK	0.2	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
EQUESIS CREEK	3.1	5.3	4.4	2.2	1.0	0.4	0.5	0.1	0.1	0.1	0.3	0.1	17.7
OKANAGAN LAKE	1.5	2.9	2.5	1.2	0.6	0.2	0.3	0.1	0.1	0.1	0.2	0.1	9.7
LOW AREA 9	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
WHITEMAN CREEK	3.9	8.3	7.3	3.6	1.8	0.7	0.8	0.2	0.2	0.2	0.4	0.2	27.5
VERNON CREEK	6.9	11.4	9.5	4.1	1.8	0.6	1.1	0.2	0.2	0.2	0.6	0.2	36.9
SPARTS CREEK	3.6	8.0	7.1	3.4	1.7	0.6	0.8	0.2	0.2	0.2	0.4	0.2	26.2
LOW AREA 8	0.4	0.5	0.4	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.7
LAMBLY CREEK	4.6	8.4	7.2	2.9	1.3	0.4	0.8	0.2	0.2	0.2	0.4	0.2	26.8
KELOWNA CREEK	2.4	4.1	3.5	1.4	0.6	0.2	0.4	0.1	0.1	0.1	0.2	0.1	13.1
POWERS CREEK	2.0	3.5	3.0	1.2	0.5	0.1	0.3	0.1	0.1	0.1	0.2	0.1	11.1
MCDOUGALL CREEK	0.6	1.0	0.8	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	3.0
MISSION CREEK	17.9	37.9	33.8	13.8	6.5	2.1	3.7	0.7	0.7	0.7	1.9	0.7	120.8
TREPANIER CREEK	3.9	6.9	5.9	2.2	1.0	0.3	0.7	0.1	0.1	0.1	0.3	0.1	21.8
LOW AREA 7	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
PEACHLAND CREEK	2.0	3.5	3.0	1.0	0.4	0.1	0.3	0.1	0.1	0.1	0.2	0.1	10.8
BELLEVUE CREEK	1.7	4.2	3.9	1.6	0.7	0.3	0.4	0.1	0.1	0.1	0.2	0.1	13.3
LOW AREA 6	3.1	5.2	4.4	1.4	0.6	0.1	0.5	0.1	0.1	0.1	0.2	0.1	15.8
TROUT CREEK	13.6	27.5	24.4	8.7	3.8	1.0	2.6	0.5	0.5	0.5	1.3	0.5	85.0
NARAMATA CREEK	0.7	1.6	1.4	0.5	0.2	0.1	0.3	0.0	0.0	0.0	0.1	0.0	4.8
ENEAS CREEK	0.4	0.6	0.5	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.9
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	74.4	143.9	125.5	50.8	23.3	7.2	14.1	2.8	2.8	2.8	7.1	2.8	457.5
PENTICTON CREEK	2.0	5.7	5.4	2.1	1.0	0.3	0.5	0.1	0.1	0.1	0.3	0.1	17.8
LOW AREA 5	0.3	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
SHINGLE CREEK	2.6	5.2	4.6	1.4	0.6	0.1	0.5	0.1	0.1	0.1	0.2	0.1	15.8
ELLIS CREEK	1.8	4.0	3.6	1.2	0.5	0.1	0.4	0.1	0.1	0.1	0.2	0.1	12.2
LOW AREA 4	0.3	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
MCLEAN CREEK	0.5	1.0	0.9	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	2.9
MARRON RIVER	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
SHUTTLEWORTH CREEK	0.8	1.9	1.7	0.5	0.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0	5.6
PARK RILL	0.9	1.5	1.3	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	4.5
VASEUX CREEK	3.5	8.3	7.6	2.3	1.0	0.2	0.8	0.2	0.2	0.2	0.4	0.2	24.7
LOW AREA 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
WOLFCUB CREEK	0.3	0.4	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
LOW AREA 2	0.3	0.5	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
TESTALINDEN CREEK	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	13.7	29.8	27.1	8.6	3.7	0.9	2.8	0.6	0.6	0.6	1.4	0.6	90.2
TOTALS	88.1	173.7	152.6	59.4	27.0	8.1	16.9	3.4	3.4	3.4	8.5	3.4	547.7

YEAR 1944-45
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.8	1.7	1.6	0.6	0.4	0.2	0.3	0.1	0.0	0.0	0.1	0.2	6.0
IRISH CREEK	0.2	0.4	0.3	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.3
EQUESIS CREEK	1.9	5.1	5.0	1.9	1.3	0.8	0.9	0.4	0.1	0.1	0.3	0.5	18.3
OKANAGAN LAKE	0.9	2.7	2.7	1.1	0.8	0.5	0.5	0.2	0.1	0.1	0.1	0.3	9.9
LOW AREA 9	0.1	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
WHITEMAN CREEK	2.4	7.6	7.8	3.1	2.1	1.4	1.3	0.6	0.2	0.2	0.4	0.7	27.8
VERNON CREEK	4.3	11.0	10.6	3.5	2.4	1.5	1.8	0.8	0.2	0.2	0.5	1.0	37.9
SPARTS CREEK	2.2	7.3	7.6	2.9	2.0	1.3	1.2	0.6	0.2	0.2	0.4	0.7	26.4
LOW AREA 8	0.2	0.5	0.5	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.7
LAMBLY CREEK	2.9	7.9	7.8	2.5	1.7	1.1	1.3	0.6	0.2	0.2	0.4	0.7	27.1
KELOWNA CREEK	1.5	3.9	3.9	1.1	0.8	0.5	0.6	0.3	0.1	0.1	0.2	0.3	13.3
POWERS CREEK	1.2	3.3	3.2	1.0	0.7	0.4	0.5	0.2	0.1	0.1	0.2	0.3	11.1
MCDOUGALL CREEK	0.4	0.9	0.9	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1	3.1
MISSION CREEK	11.0	36.9	36.3	11.7	8.3	5.1	5.7	2.5	0.8	0.8	1.7	3.2	122.1
TREPANIER CREEK	2.3	6.4	6.4	1.9	1.3	0.8	1.0	0.5	0.1	0.1	0.3	0.6	21.8
LOW AREA 7	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
PEACHLAND CREEK	1.2	3.3	3.2	0.8	0.6	0.4	0.5	0.2	0.1	0.1	0.2	0.3	10.8
BELLEVUE CREEK	1.1	3.8	4.1	1.3	0.9	0.6	0.6	0.3	0.1	0.1	0.2	0.3	13.4
LOW AREA 6	1.9	4.8	4.7	1.1	0.8	0.5	0.7	0.3	0.1	0.1	0.2	0.4	15.8
TROUT CREEK	8.2	25.0	25.8	7.1	5.1	3.1	4.0	1.8	0.5	0.5	1.2	2.2	84.5
NARAMATA CREEK	0.4	1.4	1.5	0.4	0.3	0.2	0.2	0.1	0.0	0.0	0.1	0.1	4.8
ENEAS CREEK	0.3	0.6	0.6	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.9
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	45.4	133.1	134.8	42.6	30.2	18.5	21.6	9.6	2.9	2.9	6.5	11.9	460.0
PENTICTON CREEK	1.3	5.4	5.9	1.8	1.3	0.8	0.9	0.4	0.1	0.1	0.3	0.5	18.9
LOW AREA 5	0.2	0.5	0.5	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.7
SHINGLE CREEK	1.7	5.0	5.2	1.2	0.9	0.5	0.8	0.3	0.1	0.1	0.2	0.4	16.6
ELLIS CREEK	1.2	3.9	4.1	1.0	0.8	0.4	0.6	0.3	0.1	0.1	0.2	0.3	12.9
LOW AREA 4	0.2	0.4	0.4	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.3
MCLEAN CREEK	0.3	0.9	1.0	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1	3.1
MARRON RIVER	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
SHUTTLEWORTH CREEK	0.5	1.8	1.9	0.5	0.3	0.2	0.3	0.1	0.0	0.0	0.1	0.2	5.9
PARK RILL	0.6	1.5	1.5	0.3	0.2	0.1	0.2	0.1	0.0	0.0	0.1	0.1	4.8
VASEUX CREEK	2.3	7.9	8.5	2.0	1.5	0.9	1.2	0.5	0.2	0.2	0.4	0.7	26.1
LOW AREA 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
WOLFCUB CREEK	0.2	0.4	0.4	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.2
LOW AREA 2	0.2	0.5	0.5	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.5
TESTALINDEN CREEK	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	8.8	28.6	30.3	7.4	5.4	3.2	4.5	2.0	0.6	0.6	1.3	2.5	95.1
TOTALS	54.2	161.7	165.1	50.0	35.6	21.7	26.1	11.6	3.5	3.5	7.8	14.4	555.1

YEAR 1945-46
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.9	4.7	2.2	0.8	0.5	0.1	0.2	0.0	0.1	0.1	0.0	0.4	10.0
IRISH CREEK	0.2	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.2
LOUIS CREEK	1.9	11.6	6.2	2.3	1.6	0.4	0.6	0.1	0.2	0.3	0.1	1.0	26.2
NASWHITO CREEK	0.9	5.8	3.3	1.3	0.9	0.2	0.3	0.1	0.1	0.1	0.1	0.5	13.5
LOW AREA 9	0.2	0.9	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.8
WHITEMAN CREEK	2.3	15.7	9.3	3.6	2.4	0.6	0.8	0.2	0.2	0.4	0.2	1.4	37.2
VERNON CREEK	4.5	25.9	13.4	4.1	2.9	0.4	1.2	0.3	0.4	0.6	0.3	2.2	56.2
SHORTS CREEK	2.1	14.7	9.0	3.3	2.2	0.6	0.8	0.2	0.2	0.4	0.2	1.4	34.9
LOW AREA 8	0.3	1.5	0.7	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.1
LAMBLY CREEK	2.8	17.5	9.7	2.8	2.0	0.3	0.8	0.2	0.3	0.4	0.2	1.5	38.4
KELOWNA CREEK	1.5	8.8	4.8	1.3	0.9	0.1	0.4	0.1	0.1	0.2	0.1	0.7	19.0
POWERS CREEK	1.2	7.4	4.1	1.1	0.8	0.1	0.3	0.1	0.1	0.2	0.1	0.6	16.0
MCDOUGALL CREEK	0.4	2.3	1.2	0.3	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.2	4.7
MISSION CREEK	10.2	70.6	42.7	12.6	8.8	1.6	3.5	0.8	1.1	1.8	0.8	6.3	160.6
TREPANIER CREEK	2.4	14.5	8.0	2.0	1.5	0.1	0.7	0.1	0.2	0.3	0.1	1.2	31.2
LOW AREA 7	0.1	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
PEACHLAND CREEK	1.3	7.7	4.1	0.9	0.7	0.0	0.3	0.1	0.1	0.2	0.1	0.6	16.1
BELLEVUE CREEK	1.0	7.3	4.7	1.4	1.0	0.2	0.4	0.1	0.1	0.2	0.1	0.7	17.1
LOW AREA 6	2.0	11.5	6.1	1.2	0.9	0.0	0.5	0.1	0.2	0.3	0.1	0.9	23.7
TROUT CREEK	7.8	52.1	31.1	7.3	5.3	0.5	2.5	0.5	0.8	1.3	0.5	4.4	114.1
NARAMATA CREEK	0.4	2.9	1.8	0.4	0.3	0.0	0.1	0.0	0.0	0.1	0.0	0.2	6.4
OKEAS CREEK	0.3	1.7	0.9	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.4
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	44.6	286.6	164.3	47.2	33.2	5.1	13.8	3.0	4.2	7.0	3.0	24.8	636.8
PENTICTON CREEK	1.2	10.7	7.3	2.0	1.4	0.3	0.5	0.1	0.2	0.3	0.1	1.0	25.2
LOW AREA 5	0.3	1.5	0.8	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.9
SHINGLE CREEK	1.7	11.3	6.6	1.3	1.0	0.0	0.5	0.1	0.2	0.3	0.1	0.9	23.9
ELLIS CREEK	1.2	8.3	5.1	1.1	0.8	0.0	0.4	0.1	0.1	0.2	0.1	0.7	18.1
LOW AREA 4	0.3	1.4	0.7	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.6
MCLEAN CREEK	0.3	2.1	1.3	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.2	4.4
MARRON RIVER	0.1	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
SHUTTLEWORTH CREEK	0.5	3.8	2.4	0.5	0.4	0.0	0.2	0.0	0.1	0.1	0.0	0.3	8.2
PARK RILL	0.7	3.9	2.1	0.2	0.2	0.0	0.2	0.0	0.1	0.1	0.0	0.3	7.6
VASEUX CREEK	2.2	16.4	10.6	2.0	1.5	0.0	0.8	0.2	0.2	0.4	0.2	1.4	35.9
LOW AREA 3	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
MCLEOD CREEK	0.2	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.1
LOW AREA 2	0.2	1.1	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.3
TESTALINDEN CREEK	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	8.9	62.7	38.8	7.5	5.7	0.4	2.9	0.6	0.9	1.5	0.6	5.3	135.9
TOTALS	53.5	349.3	203.1	54.7	38.9	5.5	16.7	3.6	5.1	8.5	3.6	30.1	772.7

YEAR 1946-47
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.7	4.5	1.7	0.7	0.5	0.1	0.0	0.0	0.0	0.0	0.1	0.3	9.8
IRISH CREEK	0.5	1.4	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.0
LOUIS CREEK	4.8	14.9	6.6	2.8	2.0	0.5	0.1	0.1	0.1	0.1	0.2	1.1	33.4
NASWHITO CREEK	2.1	7.2	3.5	1.5	1.0	0.3	0.1	0.1	0.1	0.1	0.1	0.5	16.6
LOW AREA 9	0.5	1.3	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.8
WHITEMAN CREEK	5.3	19.5	9.8	4.2	2.9	0.9	0.2	0.2	0.2	0.2	0.3	1.5	45.1
VERNON CREEK	11.4	34.0	14.6	5.1	3.7	0.7	0.3	0.3	0.3	0.3	0.4	2.4	73.5
SHORTS CREEK	4.8	18.3	9.4	3.8	2.6	0.8	0.2	0.2	0.2	0.2	0.3	1.4	42.0
LOW AREA 8	0.8	2.2	0.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	4.6
LAMBLY CREEK	6.8	22.0	10.2	3.3	2.4	0.5	0.2	0.2	0.2	0.2	0.3	1.6	47.7
KELOWNA CREEK	3.5	11.0	5.0	1.5	1.1	0.2	0.1	0.1	0.1	0.1	0.1	0.8	23.6
POWERS CREEK	2.9	9.3	4.3	1.2	0.9	0.1	0.1	0.1	0.1	0.1	0.1	0.7	19.9
MCDOUGALL CREEK	1.0	2.9	1.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	6.1
MISSION CREEK	23.6	87.0	44.5	14.2	10.4	2.4	0.7	0.7	0.7	0.7	1.2	6.3	192.6
TREPANIER CREEK	5.7	18.2	8.4	2.3	1.8	0.3	0.1	0.1	0.1	0.1	0.2	1.3	38.8
LOW AREA 7	0.2	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
PEACHLAND CREEK	3.2	9.7	4.3	1.0	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.7	20.2
BELLEVUE CREEK	2.2	9.0	4.9	1.5	1.1	0.3	0.1	0.1	0.1	0.1	0.1	0.7	20.1
LOW AREA 6	4.9	14.7	6.5	1.3	1.1	0.0	0.1	0.1	0.1	0.1	0.2	1.0	30.2
TROUT CREEK	18.1	64.2	32.3	8.1	6.3	0.9	0.5	0.5	0.5	0.5	0.8	4.5	137.4
NARAMATA CREEK	1.0	3.5	1.8	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.3	7.6
OKEAS CREEK	0.8	2.3	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	4.6
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	105.9	357.9	172.3	54.1	39.8	8.3	2.9	2.9	2.9	2.9	4.7	25.7	780.3
PENTICTON CREEK	2.4	11.2	6.6	1.9	1.4	0.4	0.1	0.1	0.1	0.1	0.2	0.8	25.3
LOW AREA 5	0.6	1.7	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.3
SHINGLE CREEK	3.5	12.0	6.0	1.2	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.8	24.9
ELLIS CREEK	2.3	8.8	4.6	1.0	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.6	18.6
LOW AREA 4	0.6	1.6	0.6	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.0
MCLEAN CREEK	0.6	2.2	1.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	4.6
MARRON RIVER	0.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
SHUTTLEWORTH CREEK	1.0	4.0	2.2	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.3	8.4
PARK RILL	1.4	4.2	1.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	8.3
VASEUX CREEK	4.3	17.3	9.5	1.8	1.5	0.1	0.1	0.1	0.1	0.1	0.2	1.2	36.6
LOW AREA 3	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
MCLEOD CREEK	0.5	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.5
LOW AREA 2	0.4	1.3	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.5
TESTALINDEN CREEK	0.2	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	18.1	67.1	35.1	6.9	5.7	0.7	0.5	0.5	0.5	0.5	0.8	4.6	141.2
TOTALS	124.0	425.0	207.4	61.0	45.5	9.0	3.4	3.4	3.4	3.4	5.5	30.3	921.5

YEAR 1947-48
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.3	1.8	0.9	0.5	0.4	0.2	0.2	0.2	0.0	0.0	0.0	0.1	5.8
IRISH CREEK	0.2	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
ECCLESIS CREEK	2.8	4.6	2.6	1.3	1.1	0.7	0.6	0.4	0.1	0.1	0.1	0.3	14.7
NASWHITO CREEK	1.4	2.6	1.5	0.8	0.7	0.4	0.3	0.2	0.1	0.1	0.1	0.2	8.3
LOW AREA 9	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
WHITEMAN CREEK	3.8	7.6	4.6	2.3	2.0	1.2	0.9	0.7	0.2	0.2	0.2	0.5	24.1
VERNON CREEK	6.1	9.6	5.2	2.3	2.1	1.2	1.2	0.9	0.2	0.2	0.2	0.6	29.8
SHORTS CREEK	3.5	7.3	4.5	2.2	1.9	1.1	0.9	0.7	0.2	0.2	0.2	0.5	23.0
LOW AREA 8	0.3	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
LAMBLY CREEK	4.3	7.4	4.3	1.7	1.6	0.9	0.9	0.7	0.2	0.2	0.2	0.5	22.8
KELOWNA CREEK	2.2	3.6	2.1	0.8	0.7	0.4	0.4	0.3	0.1	0.1	0.1	0.2	11.0
POWERS CREEK	1.9	3.1	1.8	0.7	0.6	0.4	0.4	0.3	0.1	0.1	0.1	0.2	9.5
MCDOUGALL CREEK	0.6	0.8	0.5	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1	2.5
MISSION CREEK	17.4	35.1	21.6	8.6	7.8	4.6	4.1	3.1	0.8	0.8	0.8	2.1	107.0
TREPANIER CREEK	3.7	6.3	3.6	1.3	1.3	0.7	0.7	0.5	0.1	0.1	0.1	0.4	19.0
LOW AREA 7	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
PEACHLAND CREEK	2.0	3.2	1.8	0.6	0.6	0.3	0.4	0.3	0.1	0.1	0.1	0.2	9.4
BELLEVUE CREEK	1.7	4.0	2.6	1.0	0.9	0.5	0.5	0.3	0.1	0.1	0.1	0.2	12.0
LOW AREA 6	2.9	4.5	2.6	0.8	0.8	0.4	0.5	0.4	0.1	0.1	0.1	0.3	13.4
TROUT CREEK	13.5	26.0	15.9	5.3	5.1	2.9	3.0	2.2	0.6	0.6	0.6	1.5	77.1
NARAMATA CREEK	0.7	1.5	0.9	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.1	4.4
ENEAS CREEK	0.4	0.6	0.3	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.6
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	70.9	130.6	77.7	30.8	28.2	16.6	15.4	11.5	2.9	2.9	2.9	8.0	398.4
PENTICTON CREEK	1.7	4.4	3.0	1.1	1.0	0.6	0.5	0.4	0.1	0.1	0.1	0.3	13.2
LOW AREA 5	0.3	0.4	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
SHINGLE CREEK	2.2	4.1	2.5	0.7	0.7	0.4	0.5	0.3	0.1	0.1	0.1	0.2	11.8
ELLIS CREEK	1.5	3.1	1.9	0.6	0.6	0.3	0.3	0.3	0.1	0.1	0.1	0.2	8.9
LOW AREA 4	0.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
MCLEAN CREEK	0.4	0.8	0.5	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	2.2
MARRON RIVER	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SHUTTLEWORTH CREEK	0.7	1.4	0.9	0.2	0.3	0.1	0.2	0.1	0.0	0.0	0.0	0.1	4.1
PARK RILL	0.8	1.2	0.7	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1	3.4
VASEUX CREEK	2.9	6.4	4.2	1.1	1.1	0.6	0.7	0.5	0.1	0.1	0.1	0.4	18.3
LOW AREA 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WOLFCUB CREEK	0.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
LOW AREA 2	0.2	0.4	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
TESTALINDEN CREEK	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	11.1	23.0	14.6	4.1	4.2	2.3	2.6	1.9	0.5	0.5	0.5	1.3	66.6
TOTALS	82.0	153.6	92.3	34.9	32.4	18.9	18.0	13.4	3.4	3.4	3.4	9.3	465.0

YEAR 1948-49
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.2	6.5	3.3	1.2	1.4	0.6	0.5	0.0	0.0	0.0	0.1	0.4	15.3
IRISH CREEK	0.3	1.7	0.9	0.3	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.1	3.9
ECCLESIS CREEK	2.6	15.8	9.1	3.5	3.9	1.8	1.3	0.1	0.1	0.1	0.2	1.0	39.6
NASWHITO CREEK	1.1	7.4	4.6	1.8	2.0	0.9	0.6	0.1	0.1	0.1	0.1	0.5	19.2
LOW AREA 9	0.3	1.7	0.9	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1	4.0
WHITEMAN CREEK	2.8	19.7	12.6	4.9	5.3	2.5	1.7	0.2	0.2	0.2	0.3	1.3	51.7
VERNON CREEK	6.4	37.4	21.1	6.6	8.2	3.4	3.0	0.3	0.3	0.3	0.5	2.3	89.7
SHORTS CREEK	2.5	18.3	12.0	4.4	4.9	2.3	1.6	0.2	0.2	0.2	0.3	1.2	47.9
LOW AREA 8	0.6	3.1	1.6	0.4	0.6	0.2	0.2	0.0	0.0	0.0	0.0	0.2	7.0
LAMBLY CREEK	3.6	22.9	13.6	4.1	5.1	2.1	1.9	0.2	0.2	0.2	0.3	1.4	55.5
KELOWNA CREEK	1.9	11.9	6.9	1.9	2.5	1.0	0.9	0.1	0.1	0.1	0.2	0.7	28.1
POWERS CREEK	1.6	9.8	5.8	1.6	2.0	0.8	0.8	0.1	0.1	0.1	0.1	0.6	23.3
MCDOUGALL CREEK	0.6	3.2	1.8	0.4	0.6	0.2	0.2	0.0	0.0	0.0	0.0	0.2	7.4
MISSION CREEK	12.3	87.0	56.6	17.1	20.6	9.0	7.3	0.7	0.7	0.7	1.2	5.6	218.8
TREPANIER CREEK	3.0	19.0	11.3	3.0	4.0	1.6	1.5	0.1	0.1	0.1	0.3	1.2	45.2
LOW AREA 7	0.2	0.9	0.5	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.9
PEACHLAND CREEK	1.7	10.2	5.9	1.4	2.0	0.7	0.8	0.1	0.1	0.1	0.1	0.6	23.7
BELLEVUE CREEK	1.1	8.8	6.1	1.8	2.2	1.0	0.8	0.1	0.1	0.1	0.1	0.6	22.6
LOW AREA 6	2.7	15.9	9.1	1.9	2.9	1.0	1.2	0.1	0.1	0.1	0.2	0.9	36.2
TROUT CREEK	9.4	64.6	41.4	10.2	13.6	5.5	5.2	0.5	0.5	0.5	0.9	4.0	156.4
NARAMATA CREEK	0.5	3.5	2.3	0.6	0.8	0.3	0.3	0.0	0.0	0.0	0.0	0.2	8.6
ENEAS CREEK	0.5	2.6	1.4	0.2	0.4	0.1	0.2	0.0	0.0	0.0	0.0	0.1	5.7
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	56.8	371.8	228.8	67.6	83.7	35.5	30.6	2.9	2.9	2.9	5.2	23.3	912.0
PENTICTON CREEK	1.3	11.2	8.2	2.4	2.8	1.2	1.0	0.1	0.1	0.1	0.2	0.7	29.3
LOW AREA 5	0.3	1.9	1.0	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1	4.1
SHINGLE CREEK	1.9	12.6	8.0	1.6	2.4	0.9	1.0	0.1	0.1	0.1	0.2	0.8	29.5
ELLIS CREEK	1.2	9.1	6.0	1.3	1.9	0.7	0.7	0.1	0.1	0.1	0.1	0.6	21.9
LOW AREA 4	0.3	1.8	1.0	0.1	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1	3.9
MCLEAN CREEK	0.3	2.3	1.5	0.3	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.1	5.4
MARRON RIVER	0.2	1.1	0.6	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.2
SHUTTLEWORTH CREEK	0.5	4.1	2.8	0.6	0.8	0.3	0.3	0.0	0.0	0.0	0.1	0.3	9.8
PARK RILL	0.8	4.7	2.7	0.3	0.7	0.2	0.3	0.0	0.0	0.0	0.1	0.3	10.1
VASEUX CREEK	2.3	17.7	12.2	2.4	3.5	1.3	1.4	0.1	0.1	0.1	0.2	1.1	42.7
LOW AREA 3	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
WOLFCUB CREEK	0.3	1.5	0.8	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.1
LOW AREA 2	0.2	1.3	0.8	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.9
TESTALINDEN CREEK	0.1	0.5	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	9.8	69.8	46.2	9.5	13.7	5.2	5.6	0.5	0.5	0.5	0.9	4.3	166.5
TOTALS	66.6	441.6	275.0	77.1	97.4	40.7	36.2	3.4	3.4	3.4	6.1	27.5	1078.6

YEAR 1949-50
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	2.6	5.0	1.0	1.0	0.7	0.2	0.1	0.1	0.1	0.1	0.1	0.3	11.2
IRISH CREEK	0.5	1.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.3
ECUESIS CREEK	5.3	11.9	3.2	2.7	2.0	0.7	0.1	0.3	0.1	0.1	0.1	0.8	27.5
NASHWITO CREEK	2.4	6.0	1.9	1.5	1.1	0.4	0.1	0.2	0.1	0.1	0.1	0.4	14.1
LOW AREA 9	0.4	0.8	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.8
WHITEMAN CREEK	4.2	11.3	3.7	2.8	2.1	0.8	0.1	0.3	0.1	0.1	0.1	0.8	26.5
VERNON CREEK	12.2	26.4	6.8	5.0	3.8	1.1	0.3	0.6	0.3	0.3	0.3	1.8	58.9
SHORTS CREEK	5.6	15.7	5.4	3.8	2.8	1.0	0.2	0.4	0.2	0.2	0.2	1.1	36.5
LOW AREA 8	0.8	1.5	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.2
LAMBLY CREEK	7.7	18.1	5.2	3.4	2.6	0.8	0.2	0.4	0.2	0.2	0.2	1.2	40.2
KELOWNA CREEK	4.0	9.0	2.6	1.6	1.2	0.3	0.1	0.2	0.1	0.1	0.1	0.6	19.8
POWERS CREEK	3.3	7.6	2.2	1.3	1.0	0.3	0.1	0.2	0.1	0.1	0.1	0.5	16.7
MCDOUGALL CREEK	1.1	2.3	0.6	0.3	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.1	5.0
MISSION CREEK	24.8	67.2	22.9	13.3	10.4	3.3	0.7	1.6	0.7	0.7	0.7	4.5	150.9
TREPANIER CREEK	6.4	14.9	4.3	2.5	2.0	0.5	0.1	0.4	0.1	0.1	0.1	1.0	32.6
LOW AREA 7	0.3	0.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
PEACHLAND CREEK	3.5	7.8	2.1	1.2	0.9	0.2	0.1	0.2	0.1	0.1	0.1	0.5	16.7
BELLEVUE CREEK	2.6	7.9	3.0	1.6	1.3	0.4	0.1	0.2	0.1	0.1	0.1	0.5	17.9
LOW AREA 6	5.4	11.7	3.2	1.6	1.3	0.2	0.1	0.3	0.1	0.1	0.1	0.7	24.8
TROUT CREEK	21.1	54.8	18.2	8.9	7.3	1.9	0.5	1.3	0.5	0.5	0.5	3.6	119.2
NARAMATA CREEK	1.1	3.1	1.1	0.5	0.4	0.1	0.0	0.1	0.0	0.0	0.0	0.2	6.7
ENEAS CREEK	0.9	1.8	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.6
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	116.1	286.4	88.6	53.8	42.0	12.5	2.9	6.9	2.9	2.9	2.9	19.1	636.9
PENTICTON CREEK	2.1	7.4	3.0	1.5	1.2	0.4	0.1	0.2	0.1	0.1	0.1	0.5	16.5
LOW AREA 5	0.4	0.9	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.9
SHINGLE CREEK	2.9	7.4	2.4	1.0	0.8	0.2	0.1	0.2	0.1	0.1	0.1	0.5	15.6
ELLIS CREEK	2.0	5.5	2.0	0.8	0.7	0.2	0.1	0.1	0.1	0.1	0.1	0.4	11.8
LOW AREA 4	0.4	0.8	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
MCLEAN CREEK	0.5	1.4	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.9
MARRON RIVER	0.2	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
SHUTTLEWORTH CREEK	0.9	2.5	0.9	0.4	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.2	5.4
PARK RILL	1.1	2.4	0.7	0.2	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.1	4.9
VASEUX CREEK	3.7	11.1	4.2	1.5	1.3	0.3	0.1	0.3	0.1	0.1	0.1	0.7	23.5
LOW AREA 3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
MCLEOD CREEK	0.3	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
LOW AREA 2	0.3	0.7	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
TESTALINDEN CREEK	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	15.1	41.6	14.7	5.9	5.0	1.1	0.4	1.0	0.4	0.4	0.4	2.7	88.7
TOTALS	131.2	328.0	103.3	59.7	47.0	13.6	3.3	7.9	3.3	3.3	3.3	21.8	725.6

YEAR 1950-51
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.6	2.3	2.2	0.6	0.5	0.1	0.1	0.0	0.1	0.0	0.2	0.2	7.0
IRISH CREEK	0.2	0.8	0.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.5
ECUESIS CREEK	2.2	9.8	10.1	2.8	2.4	0.6	0.6	0.1	0.3	0.1	0.9	0.7	30.8
NASHWITO CREEK	1.0	4.9	5.2	1.5	1.3	0.3	0.3	0.1	0.2	0.1	0.5	0.4	15.7
LOW AREA 9	0.2	0.7	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	2.1
WHITEMAN CREEK	1.8	9.3	10.2	3.0	2.5	0.7	0.6	0.1	0.3	0.1	0.9	0.7	30.3
VERNON CREEK	5.3	22.2	22.4	5.2	4.7	0.9	1.3	0.3	0.7	0.3	1.9	1.5	66.7
SHORTS CREEK	2.3	12.4	13.7	3.9	3.3	0.9	0.8	0.2	0.4	0.2	1.2	0.9	40.3
LOW AREA 8	0.4	1.4	1.3	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.1	3.9
LAMBLY CREEK	3.3	14.8	15.5	3.5	3.2	0.6	0.9	0.2	0.5	0.2	1.3	1.0	45.0
KELOWNA CREEK	1.7	7.5	7.8	1.6	1.5	0.2	0.4	0.1	0.2	0.1	0.6	0.5	22.3
POWERS CREEK	1.4	6.3	6.6	1.4	1.3	0.2	0.4	0.1	0.2	0.1	0.5	0.4	18.9
MCDOUGALL CREEK	0.5	1.9	2.0	0.3	0.3	0.0	0.1	0.0	0.1	0.0	0.2	0.1	5.6
MISSION CREEK	9.8	50.4	55.7	13.1	11.8	2.5	3.1	0.7	1.7	0.7	4.5	3.5	157.5
TREPANIER CREEK	2.7	12.3	12.9	2.6	2.5	0.4	0.7	0.2	0.4	0.2	1.1	0.8	36.6
LOW AREA 7	0.1	0.4	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
PEACHLAND CREEK	1.5	6.5	6.8	1.2	1.2	0.1	0.4	0.1	0.2	0.1	0.5	0.4	19.0
BELLEVUE CREEK	1.0	5.8	6.7	1.6	1.4	0.3	0.4	0.1	0.2	0.1	0.5	0.4	18.6
LOW AREA 6	2.3	9.9	10.1	1.6	1.7	0.1	0.6	0.1	0.3	0.1	0.8	0.6	28.2
TROUT CREEK	8.9	44.0	48.2	9.2	8.9	1.3	2.6	0.6	1.4	0.6	3.8	3.0	132.5
NARAMATA CREEK	0.5	2.4	2.7	0.5	0.5	0.1	0.1	0.0	0.1	0.0	0.2	0.2	7.3
ENEAS CREEK	0.4	1.5	1.5	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.1	4.2
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	48.2	227.6	243.5	54.5	49.9	9.2	13.8	3.3	7.4	2.9	20.1	15.6	696.1
PENTICTON CREEK	1.0	6.3	7.5	1.7	1.5	0.3	0.4	0.1	0.2	0.1	0.6	0.5	20.2
LOW AREA 5	0.2	0.9	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.5
SHINGLE CREEK	1.4	6.7	7.3	1.1	1.2	0.1	0.4	0.1	0.2	0.1	0.6	0.4	19.5
ELLIS CREEK	0.9	4.9	5.5	1.0	1.0	0.1	0.3	0.1	0.2	0.1	0.4	0.3	14.7
LOW AREA 4	0.2	0.8	0.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	2.2
MCLEAN CREEK	0.2	1.2	1.4	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.1	3.6
MARRON RIVER	0.1	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
SHUTTLEWORTH CREEK	0.4	2.2	2.5	0.4	0.4	0.0	0.1	0.0	0.1	0.0	0.2	0.1	6.6
PARK RILL	0.6	2.3	2.4	0.2	0.3	0.0	0.1	0.0	0.1	0.0	0.2	0.1	6.3
VASEUX CREEK	1.7	9.7	11.2	1.8	1.8	0.2	0.6	0.1	0.3	0.1	0.8	0.6	29.0
LOW AREA 3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
MCLEOD CREEK	0.2	0.7	0.7	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.8
LOW AREA 2	0.2	0.7	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.9
TESTALINDEN CREEK	0.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	7.2	37.2	41.7	6.8	6.9	0.8	2.2	0.5	1.2	0.5	3.2	2.5	110.5
TOTALS	55.4	264.8	285.2	61.3	56.8	10.0	16.0	3.8	8.6	3.4	23.3	18.1	806.6

YEAR 1951-52
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	2.7	6.8	2.1	1.4	0.4	0.6	0.3	0.1	0.1	0.1	0.3	0.4	15.1
IRISH CREEK	0.6	1.5	0.5	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	3.4
EQUESIS CREEK	5.5	15.7	5.7	3.7	1.3	1.5	0.6	0.2	0.1	0.1	0.7	0.9	36.6
NASHWITO CREEK	2.4	7.6	3.1	1.9	0.7	0.8	0.3	0.1	0.1	0.1	0.3	0.5	17.8
LOW AREA 9	0.6	1.5	0.4	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	3.2
WHITEMAN CREEK	7.7	26.1	11.0	6.6	2.5	2.7	1.1	0.4	0.2	0.2	1.2	1.6	61.3
VERNON CREEK	13.2	36.1	12.6	6.9	2.0	2.8	1.4	0.5	0.3	0.3	1.5	2.1	79.8
SHORTS CREEK	5.4	19.1	8.3	4.7	1.7	2.0	0.8	0.3	0.2	0.2	0.9	1.2	44.6
LOW AREA 8	1.0	2.5	0.8	0.4	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	5.3
LAMBLY CREEK	7.7	22.9	8.7	4.4	1.3	1.8	0.9	0.3	0.2	0.2	1.0	1.3	50.6
KELOWNA CREEK	4.0	11.6	4.3	2.0	0.5	0.8	0.4	0.2	0.1	0.1	0.5	0.7	25.3
POWERS CREEK	3.3	9.7	3.6	1.7	0.5	0.7	0.4	0.1	0.1	0.1	0.4	0.5	21.1
MCDOUGALL CREEK	1.2	3.1	1.0	0.5	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.2	6.5
MISSION CREEK	21.3	72.5	31.2	14.8	4.8	6.2	2.9	1.1	0.6	0.6	3.1	4.2	163.4
TREPANIER CREEK	6.4	18.8	7.2	3.2	0.9	1.3	0.7	0.3	0.1	0.1	0.8	1.1	40.9
LOW AREA 7	0.3	0.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
PEACHLAND CREEK	3.6	10.0	3.7	1.5	0.3	0.6	0.4	0.1	0.1	0.1	0.4	0.6	21.4
BELLEVUE CREEK	1.7	6.5	3.0	1.4	0.5	0.6	0.3	0.1	0.1	0.1	0.3	0.4	14.7
LOW AREA 6	5.5	15.3	5.5	2.1	0.3	0.9	0.6	0.2	0.1	0.1	0.6	0.8	32.0
TROUT CREEK	20.2	66.2	27.9	11.1	3.0	4.7	2.5	1.0	0.5	0.5	2.8	3.7	144.1
NARAMATA CREEK	1.1	3.7	1.6	0.6	0.2	0.3	0.1	0.1	0.0	0.0	0.2	0.2	8.0
ENEAS CREEK	1.0	2.4	0.8	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	4.9
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	116.4	360.2	143.1	69.8	21.1	28.9	14.0	5.5	2.9	2.9	15.4	20.7	800.9
PENTICTON CREEK	2.0	8.9	4.5	1.9	0.6	0.8	0.4	0.1	0.1	0.1	0.4	0.5	20.2
LOW AREA 5	0.5	1.3	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	2.7
SHINGLE CREEK	2.9	9.3	3.9	1.3	0.3	0.6	0.3	0.1	0.1	0.1	0.4	0.5	19.8
ELLIS CREEK	2.0	6.9	3.1	1.1	0.3	0.5	0.3	0.1	0.1	0.1	0.3	0.4	14.8
LOW AREA 4	0.5	1.2	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.4
MCLEAN CREEK	0.5	1.7	0.8	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	3.7
MARRON RIVER	0.3	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
SHUTTLEWORTH CREEK	0.8	3.1	1.4	0.5	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.2	6.6
PARK RILL	1.2	3.3	1.2	0.3	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.2	6.6
VASEUX CREEK	3.6	13.5	6.3	2.0	0.5	0.9	0.5	0.2	0.1	0.1	0.6	0.7	29.0
LOW AREA 3	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
WOLFCUB CREEK	0.4	1.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
LOW AREA 2	0.3	1.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
TESTALINDEN CREEK	0.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	15.3	52.5	23.2	7.6	1.8	3.2	2.0	0.8	0.4	0.4	2.2	2.9	112.2
TOTALS	131.7	412.7	166.3	77.4	22.9	32.1	16.0	6.3	3.3	3.3	17.6	23.6	913.1

YEAR 1952-53
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	2.7	5.0	1.4	1.2	0.6	0.4	0.3	0.1	0.1	0.2	0.2	0.2	12.4
IRISH CREEK	0.6	1.1	0.3	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.8
EQUESIS CREEK	5.7	12.5	4.3	3.3	1.8	1.1	0.7	0.1	0.1	0.5	0.5	0.6	31.2
NASHWITO CREEK	2.5	6.2	2.3	1.7	0.9	0.6	0.3	0.1	0.1	0.3	0.3	0.3	15.6
LOW AREA 9	0.6	1.0	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	2.4
WHITEMAN CREEK	6.4	16.6	6.6	4.8	2.6	1.7	0.9	0.2	0.2	0.7	0.7	0.8	42.1
VERNON CREEK	13.5	27.9	9.2	6.3	3.2	2.0	1.4	0.3	0.3	1.1	1.2	1.2	67.6
SHORTS CREEK	5.8	15.7	6.5	4.4	2.4	1.5	0.8	0.2	0.2	0.7	0.7	0.7	39.5
LOW AREA 8	0.9	1.7	0.5	0.3	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	3.9
LAMBLY CREEK	8.1	18.3	6.6	4.1	2.1	1.3	0.9	0.2	0.2	0.7	0.8	0.8	44.1
KELOWNA CREEK	4.2	9.2	3.2	1.9	1.0	0.6	0.5	0.1	0.1	0.4	0.4	0.4	21.8
POWERS CREEK	3.5	7.6	2.7	1.6	0.8	0.5	0.4	0.1	0.1	0.3	0.3	0.3	18.2
MCDOUGALL CREEK	1.2	2.4	0.8	0.4	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.1	5.5
MISSION CREEK	27.8	72.6	29.7	17.1	9.0	5.7	3.8	0.7	0.7	3.0	3.0	3.2	176.5
TREPANIER CREEK	6.7	14.9	5.4	3.0	1.5	0.9	0.8	0.1	0.1	0.6	0.6	0.6	35.3
LOW AREA 7	0.3	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
PEACHLAND CREEK	3.7	7.8	2.7	1.4	0.7	0.4	0.4	0.1	0.1	0.3	0.3	0.3	18.2
BELLEVUE CREEK	2.2	6.4	2.8	1.5	0.8	0.5	0.3	0.1	0.1	0.3	0.3	0.3	15.5
LOW AREA 6	5.7	11.8	4.1	2.0	0.9	0.5	0.6	0.1	0.1	0.5	0.5	0.5	27.2
TROUT CREEK	21.2	53.1	21.3	10.5	5.4	3.3	2.7	0.5	0.5	2.1	2.1	2.3	125.0
NARAMATA CREEK	1.1	3.0	1.2	0.6	0.3	0.2	0.1	0.0	0.0	0.1	0.1	0.1	7.0
ENEAS CREEK	0.9	1.8	0.6	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	4.0
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	125.3	297.0	112.8	67.0	34.7	21.6	15.3	2.9	2.9	12.0	12.3	13.2	717.0
PENTICTON CREEK	4.1	13.7	6.6	3.3	1.8	1.1	0.7	0.1	0.1	0.6	0.6	0.6	33.2
LOW AREA 5	0.9	1.8	0.6	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	4.0
SHINGLE CREEK	5.6	13.8	5.5	2.3	1.1	0.7	0.7	0.1	0.1	0.5	0.5	0.6	31.6
ELLIS CREEK	3.8	10.3	4.4	1.9	1.0	0.6	0.5	0.1	0.1	0.4	0.4	0.4	23.9
LOW AREA 4	0.9	1.6	0.5	0.2	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.1	3.6
MCLEAN CREEK	1.0	2.5	1.1	0.4	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.1	5.8
MARRON RIVER	0.5	0.9	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
SHUTTLEWORTH CREEK	1.7	4.7	2.1	0.8	0.4	0.3	0.2	0.0	0.0	0.2	0.2	0.2	10.8
PARK RILL	2.2	4.6	1.6	0.5	0.2	0.1	0.2	0.0	0.0	0.2	0.2	0.2	10.1
VASEUX CREEK	7.1	20.4	9.1	3.5	1.8	1.1	1.0	0.2	0.2	0.8	0.8	0.9	46.9
LOW AREA 3	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
WOLFCUB CREEK	0.7	1.4	0.4	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.9
LOW AREA 2	0.6	1.4	0.5	0.2	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.1	3.0
TESTALINDEN CREEK	0.2	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	29.4	77.7	32.9	13.7	6.8	4.1	3.8	0.7	0.7	3.0	3.1	3.3	179.2
TOTALS	154.7	374.7	145.7	80.7	41.5	25.7	19.1	3.6	3.6	15.0	15.4	16.5	896.2

YEAR 1953-54
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.7	2.5	1.9	0.8	0.6	0.1	0.3	0.2	0.1	0.0	0.2	0.2	7.7
IRISH CREEK	0.2	0.6	0.4	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	1.8
EQUESIS CREEK	1.9	7.3	5.9	2.7	2.0	0.4	0.8	0.7	0.3	0.1	0.6	0.6	23.4
NASWHITO CREEK	0.9	3.7	3.2	1.5	1.1	0.3	0.4	0.4	0.2	0.1	0.3	0.3	12.2
LOW AREA 9	0.1	0.5	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
WHITEMAN CREEK	1.8	8.1	7.0	3.2	2.4	0.6	0.9	0.8	0.4	0.1	0.7	0.7	26.7
VERNON CREEK	4.4	16.2	12.9	5.1	3.8	0.6	1.6	1.6	0.7	0.3	1.3	1.3	49.8
SHORTS CREEK	2.1	9.7	8.6	3.8	2.8	0.7	1.0	1.0	0.4	0.2	0.9	0.8	31.9
LOW AREA 8	0.3	0.9	0.7	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.1	0.1	2.7
LAMBLY CREEK	2.8	11.1	9.2	3.5	2.6	0.4	1.1	1.1	0.5	0.2	0.9	0.9	34.3
KELOWNA CREEK	1.4	5.6	4.6	1.6	1.2	0.2	0.5	0.5	0.2	0.1	0.5	0.4	16.9
POWERS CREEK	1.2	4.7	3.8	1.4	1.0	0.1	0.5	0.4	0.2	0.1	0.4	0.4	14.2
MCDOUGALL CREEK	0.4	1.4	1.1	0.4	0.3	0.0	0.1	0.1	0.1	0.0	0.1	0.1	4.1
MISSION CREEK	11.2	50.8	44.8	17.2	13.0	2.4	5.2	5.1	2.2	0.8	4.3	4.2	161.1
TREPANIER CREEK	2.3	9.2	7.6	2.7	2.0	0.2	0.9	0.9	0.4	0.1	0.7	0.7	27.8
LOW AREA 7	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
PEACHLAND CREEK	1.3	4.8	3.9	1.3	1.0	0.1	0.5	0.4	0.2	0.1	0.4	0.4	14.1
BELLEVUE CREEK	0.7	3.5	3.2	1.2	0.9	0.2	0.4	0.4	0.2	0.1	0.3	0.3	11.2
LOW AREA 6	1.9	7.1	5.8	1.8	1.3	0.0	0.7	0.7	0.3	0.1	0.6	0.5	20.8
TROUT CREEK	7.7	33.7	29.4	9.9	7.5	0.9	3.4	3.2	1.4	0.5	2.8	2.7	103.1
NARAMATA CREEK	0.4	1.8	1.6	0.6	0.4	0.1	0.2	0.2	0.1	0.0	0.2	0.1	5.7
LNEAS CREEK	0.3	1.0	0.8	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.1	0.1	2.9
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	44.0	184.5	156.9	59.4	44.7	7.3	18.7	18.1	8.0	3.0	15.5	15.0	575.1
PENTICTON CREEK	1.5	8.4	8.1	3.0	2.2	0.4	0.9	0.9	0.4	0.1	0.7	0.7	27.2
LOW AREA 5	0.3	1.0	0.8	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.1	0.1	2.9
SHINGLE CREEK	2.0	8.5	7.4	2.2	1.7	0.1	0.8	0.8	0.4	0.1	0.7	0.7	25.2
ELLIS CREEK	1.4	6.3	5.7	1.8	1.4	0.1	0.6	0.6	0.3	0.1	0.5	0.5	19.3
LOW AREA 4	0.3	0.9	0.7	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	2.5
MCLEAN CREEK	0.3	1.6	1.4	0.4	0.3	0.0	0.2	0.1	0.1	0.0	0.1	0.1	4.7
MARRON RIVER	0.1	0.5	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
SHUTTLEWORTH CREEK	0.6	2.9	2.6	0.8	0.6	0.0	0.3	0.3	0.1	0.0	0.2	0.2	8.7
PARK RILL	0.8	2.8	2.3	0.5	0.4	0.0	0.3	0.2	0.1	0.0	0.2	0.2	7.7
VASEUX CREEK	2.6	12.7	11.7	3.4	2.6	0.2	1.2	1.2	0.5	0.2	1.0	1.0	38.4
LOW AREA 3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
WOLFCUB CREEK	0.2	0.8	0.6	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	2.1
LOW AREA 2	0.2	0.9	0.7	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	2.4
TESTALINDEN CREEK	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	10.3	47.5	42.7	12.8	9.9	0.9	4.7	4.5	2.0	0.7	3.9	3.7	143.6
TOTALS	54.3	232.0	199.6	72.2	54.6	8.2	23.4	22.6	10.0	3.7	19.4	18.7	718.7

YEAR 1954-55
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.8	4.5	2.7	1.7	0.9	0.8	0.4	0.6	0.1	0.0	0.0	0.2	12.8
IRISH CREEK	0.2	1.0	0.6	0.4	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	2.9
EQUESIS CREEK	1.7	10.8	7.3	4.6	2.5	2.1	0.9	1.6	0.3	0.1	0.1	0.6	32.7
NASWHITO CREEK	0.7	5.2	3.8	2.4	1.3	1.1	0.5	0.8	0.2	0.1	0.1	0.3	16.4
LOW AREA 9	0.2	0.9	0.6	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	2.6
WHITEMAN CREEK	1.7	12.6	9.3	5.9	3.3	2.7	1.2	2.0	0.4	0.2	0.2	0.7	40.0
VERNON CREEK	4.0	24.8	16.4	9.5	4.9	4.2	2.1	3.5	0.7	0.3	0.3	1.3	71.9
SHORTS CREEK	1.7	13.1	9.9	6.0	3.3	2.8	1.2	2.0	0.4	0.2	0.2	0.7	41.5
LOW AREA 8	0.3	1.6	1.0	0.5	0.2	0.2	0.1	0.2	0.0	0.0	0.0	0.1	4.3
LAMBLY CREEK	2.4	16.1	11.2	6.2	3.3	2.8	1.4	2.3	0.5	0.2	0.2	0.8	47.3
KELOWNA CREEK	1.2	8.1	5.6	3.0	1.5	1.3	0.7	1.1	0.2	0.1	0.1	0.4	23.4
POWERS CREEK	1.0	6.9	4.8	2.5	1.3	1.1	0.6	1.0	0.2	0.1	0.1	0.4	19.9
MCDOUGALL CREEK	0.4	2.2	1.4	0.7	0.4	0.3	0.2	0.3	0.1	0.0	0.0	0.1	6.1
MISSION CREEK	8.9	66.9	50.4	27.5	14.7	12.4	5.9	10.0	2.1	0.8	0.8	3.6	204.0
TREPANIER CREEK	2.6	13.4	9.3	4.9	2.5	2.1	1.1	1.9	0.4	0.1	0.1	0.7	38.7
LOW AREA 7	0.1	0.5	0.3	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	1.3
PEACHLAND CREEK	1.1	7.2	4.9	2.4	1.2	1.0	0.6	1.0	0.2	0.1	0.1	0.4	20.2
BELLEVUE CREEK	0.5	3.8	3.0	1.6	0.9	0.7	0.3	0.6	0.1	0.0	0.0	0.2	11.8
LOW AREA 6	1.7	10.9	7.4	3.5	1.7	1.5	0.9	1.5	0.3	0.1	0.1	0.5	30.1
TROUT CREEK	6.5	47.0	35.0	17.3	8.9	7.6	4.0	6.8	1.4	0.5	0.5	2.5	138.0
NARAMATA CREEK	0.3	2.6	1.9	1.0	0.5	0.4	0.2	0.4	0.1	0.0	0.0	0.1	7.6
LNEAS CREEK	0.3	1.8	1.1	0.5	0.2	0.2	0.1	0.2	0.0	0.0	0.0	0.1	4.7
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	37.7	261.7	187.9	102.6	54.0	45.7	22.5	38.1	8.1	3.0	3.0	13.9	778.2
PENTICTON CREEK	0.8	7.6	6.4	3.3	1.8	1.5	0.7	1.2	0.3	0.1	0.1	0.4	24.1
LOW AREA 5	0.2	1.2	0.8	0.3	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.1	3.1
SHINGLE CREEK	1.2	8.4	6.2	2.8	1.4	1.2	0.7	1.2	0.2	0.1	0.1	0.4	23.8
ELLIS CREEK	0.8	6.1	4.7	2.2	1.1	0.9	0.5	0.9	0.2	0.1	0.1	0.3	17.8
LOW AREA 4	0.2	1.1	0.7	0.3	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	2.9
MCLEAN CREEK	0.2	1.5	1.2	0.5	0.3	0.2	0.1	0.2	0.0	0.0	0.0	0.1	4.4
MARRON RIVER	0.1	0.6	0.4	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	1.6
SHUTTLEWORTH CREEK	0.3	2.7	2.2	1.0	0.5	0.4	0.2	0.4	0.1	0.0	0.0	0.1	8.0
PARK RILL	0.5	3.1	2.1	0.8	0.4	0.3	0.2	0.4	0.1	0.0	0.0	0.1	8.0
VASEUX CREEK	1.5	11.9	9.5	4.2	2.1	1.8	1.0	1.7	0.4	0.1	0.1	0.6	35.0
LOW AREA 3	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
WOLFCUB CREEK	0.2	0.9	0.6	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	2.3
LOW AREA 2	0.1	0.9	0.6	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	2.3
TESTALINDEN CREEK	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	6.1	46.5	35.6	16.1	8.1	6.9	3.9	6.6	1.4	0.5	0.5	2.4	134.6
TOTALS	43.8	308.2	223.5	118.7	62.1	52.6	26.4	44.7	9.5	3.5	3.5	16.3	912.8

YEAR 1955-56
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.8	2.1	3.1	1.4	0.6	0.3	0.2	0.0	0.1	0.1	0.0	0.4	9.1
IRISH CREEK	0.2	0.5	0.8	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.2
ECLESIS CREEK	2.9	6.0	9.5	4.6	1.9	1.1	0.5	0.1	0.2	0.2	0.1	1.1	27.4
NASWHITO CREEK	0.9	3.0	4.9	2.4	1.0	0.6	0.3	0.1	0.1	0.1	0.1	0.6	14.1
LOW AREA 9	0.2	0.4	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.8
WHITEMAN CREEK	1.9	6.6	10.8	5.3	2.3	1.3	0.6	0.1	0.2	0.2	0.1	1.3	30.9
VERNON CREEK	4.8	13.5	21.3	9.3	3.5	1.9	1.2	0.3	0.5	0.4	0.3	2.4	59.4
SHORTS CREEK	2.2	7.9	13.1	6.3	2.7	1.5	0.7	0.2	0.3	0.3	0.2	1.5	36.9
LOW AREA 8	0.3	0.8	1.2	0.5	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	3.3
LAMBLY CREEK	3.1	9.3	15.0	6.4	2.4	1.3	0.8	0.2	0.3	0.3	0.2	1.7	41.1
KELOWNA CREEK	1.6	4.7	7.5	3.1	1.1	0.6	0.4	0.1	0.2	0.2	0.1	0.8	20.3
POWERS CREEK	1.3	4.0	6.4	2.6	1.0	0.5	0.3	0.1	0.1	0.1	0.1	0.7	17.4
MCDOUGALL CREEK	0.5	1.2	1.9	0.7	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.2	5.2
MISSION CREEK	9.3	32.4	53.5	23.2	9.2	5.1	2.9	0.7	1.1	1.1	0.7	5.9	145.0
TREPANIER CREEK	2.6	7.8	12.6	5.1	1.9	1.0	0.7	0.2	0.3	0.3	0.2	1.4	33.9
LOW AREA 7	0.1	0.3	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
PEACHLAND CREEK	1.4	4.2	6.6	2.5	0.9	0.4	0.3	0.1	0.1	0.1	0.1	0.7	17.6
BELLEVUE CREEK	0.8	3.0	5.1	2.2	0.9	0.5	0.3	0.1	0.1	0.1	0.1	0.6	13.6
LOW AREA 6	2.2	6.2	9.9	3.6	1.2	0.6	0.5	0.1	0.2	0.2	0.1	1.1	25.9
TROUT CREEK	8.6	28.9	47.6	18.8	6.9	3.6	2.5	0.6	1.0	0.9	0.6	5.1	124.9
NARAMATA CREEK	0.4	1.6	2.6	1.0	0.4	0.2	0.1	0.0	0.1	0.1	0.0	0.3	6.8
ENEAS CREEK	0.4	0.9	1.5	0.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	3.8
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	45.5	145.5	236.0	100.3	38.6	21.1	12.7	2.9	4.9	4.8	2.9	26.2	641.4
PENTICTON CREEK	1.1	4.7	8.2	3.5	1.4	0.8	0.4	0.1	0.2	0.2	0.1	0.9	21.5
LOW AREA 5	0.2	0.6	1.0	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.6
SHINGLE CREEK	1.5	5.0	8.2	3.0	1.0	0.5	0.4	0.1	0.2	0.2	0.1	0.9	20.9
ELLIS CREEK	1.0	3.7	6.1	2.3	0.8	0.4	0.3	0.1	0.1	0.1	0.1	0.6	15.7
LOW AREA 4	0.2	0.6	0.9	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.3
MCLEAN CREEK	0.3	0.9	1.5	0.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	3.9
PARRON RIVER	0.1	0.3	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
SHUTTLEWORTH CREEK	0.4	1.7	2.8	1.0	0.4	0.2	0.1	0.0	0.1	0.1	0.0	0.3	7.1
PARK HILL	0.6	1.7	2.7	0.8	0.2	0.1	0.1	0.0	0.1	0.1	0.0	0.3	6.8
VASEUX CREEK	1.9	7.3	12.4	4.5	1.6	0.8	0.6	0.1	0.2	0.2	0.1	1.3	31.2
LOW AREA 3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
WOLFCUB CREEK	0.2	0.5	0.8	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
LOW AREA 2	0.2	0.5	0.8	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
TESTALINDEN CREEK	0.1	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	7.9	27.8	46.6	17.1	5.9	3.0	2.3	0.5	0.9	0.9	0.5	4.8	118.4
TOTALS	53.4	173.3	282.6	117.4	44.5	24.1	15.0	3.4	5.8	5.7	3.4	31.0	759.7

YEAR 1956-57
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	2.6	5.8	2.4	1.2	0.8	0.3	0.2	0.1	0.1	0.1	0.1	0.3	13.9
IRISH CREEK	0.6	1.3	0.6	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	3.2
ECLESIS CREEK	5.5	14.0	6.6	3.4	2.3	1.0	0.6	0.1	0.2	0.1	0.2	0.8	34.7
NASWHITO CREEK	2.4	6.9	3.5	1.8	1.2	0.5	0.3	0.1	0.1	0.1	0.1	0.4	17.3
LOW AREA 9	0.6	1.2	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.8
WHITEMAN CREEK	5.6	17.0	9.0	4.5	3.1	1.4	0.8	0.2	0.2	0.2	0.3	1.0	43.1
VERNON CREEK	13.0	31.8	14.6	6.4	4.4	1.6	1.3	0.3	0.4	0.3	0.5	1.7	76.1
SHORTS CREEK	5.5	17.3	9.3	4.5	3.1	1.3	0.8	0.2	0.2	0.2	0.3	1.0	43.5
LOW AREA 8	0.9	2.0	0.8	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	4.6
LAMBLY CREEK	7.8	20.6	10.1	4.1	2.9	1.0	0.9	0.2	0.2	0.2	0.3	1.1	49.3
KELOWNA CREEK	4.0	10.4	5.0	1.9	1.3	0.4	0.4	0.1	0.1	0.1	0.2	0.6	24.5
POWERS CREEK	3.4	8.7	4.2	1.6	1.1	0.4	0.4	0.1	0.1	0.1	0.1	0.5	20.6
MCDOUGALL CREEK	1.2	2.7	1.2	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1	6.3
MISSION CREEK	22.5	68.5	36.9	14.7	10.3	3.9	2.9	0.6	0.8	0.6	1.1	3.8	166.4
TREPANIER CREEK	6.4	16.9	8.3	3.0	2.2	0.7	0.7	0.2	0.2	0.2	0.3	0.9	39.9
LOW AREA 7	0.3	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
PEACHLAND CREEK	3.6	9.0	4.3	1.4	1.0	0.3	0.4	0.1	0.1	0.1	0.1	0.5	20.8
BELLEVUE CREEK	1.6	5.6	3.2	1.2	0.9	0.3	0.2	0.1	0.1	0.1	0.1	0.3	13.6
LOW AREA 6	5.5	13.6	6.4	1.9	1.4	0.3	0.5	0.1	0.1	0.1	0.2	0.7	31.0
TROUT CREEK	20.6	60.3	32.0	10.5	7.6	2.4	2.5	0.5	0.7	0.5	0.9	3.2	141.7
NARAMATA CREEK	1.1	3.3	1.8	0.6	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.2	7.8
ENEAS CREEK	1.0	2.1	0.9	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1	4.7
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	115.4	319.6	161.9	64.2	45.3	16.3	13.4	2.9	3.7	2.9	4.9	17.3	767.8
PENTICTON CREEK	2.7	10.6	6.5	2.3	1.7	0.6	0.5	0.1	0.1	0.1	0.2	0.6	25.9
LOW AREA 5	0.6	1.5	0.7	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.3
SHINGLE CREEK	3.8	11.0	5.8	1.6	1.2	0.3	0.4	0.1	0.1	0.1	0.2	0.6	25.2
ELLIS CREEK	2.6	8.1	4.5	1.3	1.0	0.3	0.3	0.1	0.1	0.1	0.1	0.4	18.9
LOW AREA 4	0.6	1.4	0.6	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.1
MCLEAN CREEK	0.7	2.1	1.1	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	4.7
PARRON RIVER	0.4	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
SHUTTLEWORTH CREEK	1.1	3.7	2.1	0.6	0.4	0.1	0.1	0.0	0.0	0.0	0.1	0.2	8.5
PARK HILL	1.6	3.8	1.8	0.3	0.3	0.0	0.1	0.0	0.0	0.0	0.1	0.2	8.3
VASEUX CREEK	4.8	16.1	9.3	2.4	1.8	0.5	0.6	0.1	0.2	0.1	0.2	0.8	37.2
LOW AREA 3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
WOLFCUB CREEK	0.5	1.1	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.4
LOW AREA 2	0.4	1.1	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.5
TESTALINDEN CREEK	0.2	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	20.2	62.0	34.2	9.3	7.0	1.9	2.5	0.5	0.7	0.5	0.9	3.2	143.0
TOTALS	135.6	381.6	196.1	73.5	52.3	18.2	15.9	3.4	4.4	3.4	5.8	20.5	910.8

YEAR 1957-58
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.3	5.7	1.2	0.7	0.9	0.6	0.1	0.1	0.1	0.3	0.3	0.4	11.9
IRISH CREEK	0.3	1.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.1	2.7
EQUESIS CREEK	2.9	14.3	3.9	2.2	2.6	1.8	0.3	0.2	0.3	0.7	0.9	1.1	31.3
NASWHITO CREEK	1.3	7.0	2.2	1.2	1.4	0.9	0.1	0.1	0.2	0.4	0.5	0.6	15.8
LOW AREA 9	0.3	1.1	0.2	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.1	2.3
WHITEMAN CREEK	2.8	16.0	5.3	2.8	3.2	2.2	0.3	0.2	0.4	0.9	1.1	1.3	36.5
VERNON CREEK	6.7	32.1	8.4	3.9	5.2	3.4	0.6	0.5	0.8	1.6	2.0	2.4	67.5
SHORTS CREEK	3.0	17.6	6.1	3.0	3.5	2.4	0.4	0.3	0.4	1.0	1.2	1.5	40.2
LOW AREA 8	0.5	2.0	0.4	0.2	0.3	0.2	0.0	0.0	0.0	0.1	0.1	0.1	3.9
LAMBLY CREEK	4.1	21.1	6.2	2.6	3.4	2.2	0.4	0.3	0.5	1.1	1.3	1.6	44.8
KELOWNA CREEK	2.1	10.6	3.0	1.1	1.6	1.1	0.2	0.1	0.2	0.5	0.6	0.8	22.2
POWERS CREEK	1.8	8.8	2.5	1.0	1.4	0.9	0.2	0.1	0.2	0.4	0.5	0.7	18.5
MCDOUGALL CREEK	0.6	2.8	0.7	0.2	0.4	0.2	0.1	0.0	0.1	0.1	0.2	0.2	5.6
MISSION CREEK	12.9	74.7	25.5	10.0	13.1	8.6	1.5	1.1	1.8	3.9	4.7	5.9	163.8
TREPANIER CREEK	3.4	17.2	5.0	1.8	2.6	1.7	0.3	0.2	0.4	0.9	1.0	1.3	36.0
LOW AREA 7	0.1	0.6	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
PEACHLAND CREEK	1.9	9.1	2.5	0.8	1.3	0.8	0.2	0.1	0.2	0.4	0.5	0.7	18.6
BELLEVUE CREEK	0.8	5.1	1.9	0.7	0.9	0.6	0.1	0.1	0.1	0.3	0.3	0.4	11.5
LOW AREA 6	2.9	13.9	3.8	1.0	1.8	1.1	0.3	0.2	0.3	0.7	0.8	1.0	27.7
TROUT CREEK	10.9	66.9	20.2	6.2	9.4	6.0	1.2	0.9	1.4	3.1	3.7	4.7	128.6
NARAMATA CREEK	0.6	3.4	1.2	0.4	0.5	0.3	0.1	0.0	0.1	0.2	0.2	0.3	7.2
ENEAS CREEK	0.5	2.2	0.5	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.1	4.1
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	61.5	327.5	101.3	40.4	54.4	35.4	6.5	4.7	7.8	16.8	20.3	25.4	701.9
PENTICTON CREEK	1.1	8.0	3.3	1.1	1.5	1.0	0.2	0.1	0.2	0.4	0.5	0.7	18.1
LOW AREA 5	0.2	1.1	0.3	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	2.2
SHINGLE CREEK	1.5	8.4	2.7	0.6	1.2	0.7	0.2	0.1	0.2	0.4	0.5	0.6	17.2
ELLIS CREEK	1.0	6.2	2.2	0.6	0.9	0.6	0.1	0.1	0.1	0.3	0.4	0.5	13.0
LOW AREA 4	0.2	1.1	0.3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	2.0
MCLEAN CREEK	0.3	1.5	0.5	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.1	3.2
MARRON RIVER	0.1	0.6	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
SHUTTLEWORTH CREEK	0.5	2.8	1.1	0.2	0.4	0.3	0.1	0.0	0.1	0.1	0.2	0.2	5.9
PARK RILL	0.6	2.9	0.8	0.1	0.3	0.2	0.1	0.0	0.1	0.1	0.2	0.2	5.5
VASEUX CREEK	1.9	12.2	4.6	1.0	1.8	1.1	0.2	0.2	0.3	0.6	0.7	0.9	25.6
LOW AREA 3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
MCLEOD CREEK	0.2	0.9	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6
LOW AREA 2	0.2	0.9	0.3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.7
TESTALINDEN CREEK	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	8.0	46.9	16.6	3.9	6.8	4.2	0.9	0.7	1.1	2.3	2.8	3.5	97.9
TOTALS	69.5	374.4	117.9	44.3	61.2	39.6	7.4	5.4	8.9	19.1	23.1	28.9	799.8

YEAR 1958-59
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.2	4.1	1.1	0.8	0.4	0.2	0.2	0.0	0.1	0.0	0.0	0.4	8.7
IRISH CREEK	0.3	0.9	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
EQUESIS CREEK	3.0	11.5	3.9	2.6	1.4	0.8	0.6	0.1	0.4	0.1	0.1	1.2	25.7
NASWHITO CREEK	1.4	5.8	2.2	1.4	0.8	0.4	0.3	0.1	0.2	0.1	0.1	0.6	13.3
LOW AREA 9	0.2	0.8	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
WHITEMAN CREEK	3.5	15.8	6.3	4.0	2.2	1.2	0.9	0.2	0.5	0.2	0.2	1.7	36.7
VERNON CREEK	6.8	25.3	8.3	4.8	2.6	1.3	1.4	0.3	0.8	0.3	0.3	2.6	54.5
SHORTS CREEK	3.2	14.8	6.1	3.6	2.0	1.1	0.9	0.2	0.5	0.2	0.2	1.6	34.2
LOW AREA 8	0.4	1.5	0.4	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.0
LAMBLY CREEK	4.3	17.0	6.1	3.2	1.7	0.9	0.9	0.2	0.5	0.2	0.2	1.7	36.8
KELOWNA CREEK	2.2	8.5	3.0	1.5	0.8	0.4	0.5	0.1	0.3	0.1	0.1	0.8	18.1
POWERS CREEK	1.8	7.0	2.5	1.2	0.7	0.3	0.4	0.1	0.2	0.1	0.1	0.7	15.0
MCDOUGALL CREEK	0.6	2.1	0.7	0.3	0.2	0.1	0.1	0.0	0.1	0.0	0.0	0.2	4.4
MISSION CREEK	13.6	61.5	25.2	12.5	7.0	3.6	3.4	0.7	1.9	0.7	0.7	6.4	137.0
TREPANIER CREEK	3.5	13.8	5.0	2.3	1.3	0.6	0.7	0.1	0.4	0.1	0.1	1.4	29.4
LOW AREA 7	0.1	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
PEACHLAND CREEK	1.9	7.2	2.5	1.1	0.6	0.3	0.4	0.1	0.2	0.1	0.1	0.7	14.9
BELLEVUE CREEK	1.5	7.4	3.3	1.6	0.9	0.5	0.4	0.1	0.2	0.1	0.1	0.8	16.7
LOW AREA 6	2.9	10.8	3.7	1.5	0.8	0.3	0.6	0.1	0.3	0.1	0.1	1.0	22.2
TROUT CREEK	11.5	50.2	20.1	8.4	4.6	2.2	2.7	0.5	1.5	0.5	0.5	5.1	107.8
NARAMATA CREEK	0.6	2.8	1.2	0.5	0.3	0.1	0.2	0.0	0.1	0.0	0.0	0.3	6.1
ENEAS CREEK	0.5	1.6	0.5	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.1
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	64.8	270.6	102.6	51.8	28.6	14.5	14.8	2.9	8.2	2.9	2.9	27.8	592.3
PENTICTON CREEK	1.7	9.6	4.7	2.0	1.2	0.6	0.5	0.1	0.3	0.1	0.1	1.0	21.9
LOW AREA 5	0.3	1.2	0.4	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.3
SHINGLE CREEK	2.2	9.6	3.8	1.3	0.7	0.3	0.5	0.1	0.3	0.1	0.1	0.9	20.0
ELLIS CREEK	1.5	7.2	3.0	1.1	0.6	0.3	0.4	0.1	0.2	0.1	0.1	0.7	15.3
LOW AREA 4	0.3	1.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
MCLEAN CREEK	0.4	1.8	0.7	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.2	3.7
MARRON RIVER	0.2	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
SHUTTLEWORTH CREEK	0.7	3.3	1.5	0.5	0.3	0.1	0.2	0.0	0.1	0.0	0.0	0.3	7.0
PARK RILL	0.8	3.1	1.1	0.3	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.3	6.0
VASEUX CREEK	2.9	14.3	6.4	2.1	1.2	0.5	0.8	0.1	0.4	0.1	0.1	1.4	30.5
LOW AREA 3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
MCLEOD CREEK	0.2	0.8	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6
LOW AREA 2	0.2	1.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.9
TESTALINDEN CREEK	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	11.6	53.7	22.8	8.0	4.4	2.0	2.8	0.6	1.6	0.6	0.6	5.4	114.0
TOTALS	76.4	324.3	125.4	59.8	33.0	16.5	17.6	3.5	9.8	3.5	3.5	33.2	706.4

YEAR 1959-60
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.7	5.7	3.8	1.3	0.5	0.9	0.7	0.2	0.3	0.1	0.3	0.3	15.9
IRISH CREEK	0.4	1.3	0.8	0.3	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.1	3.5
EQUESIS CREEK	3.3	12.8	9.2	3.4	1.5	2.2	1.5	0.5	0.8	0.3	0.8	0.8	37.0
NASWHITO CREEK	1.4	6.1	4.6	1.7	0.8	1.1	0.7	0.3	0.4	0.2	0.4	0.4	18.1
LOW AREA 9	0.4	1.3	0.8	0.2	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.1	3.5
WHITEMAN CREEK	3.1	14.0	10.9	4.1	1.9	2.6	1.7	0.6	0.9	0.4	0.9	0.9	41.9
VERNON CREEK	8.0	29.9	21.1	6.5	2.7	4.4	3.4	1.2	1.8	0.7	1.8	1.7	83.1
SHORTS CREEK	3.2	15.2	12.1	4.4	2.0	2.8	1.9	0.7	1.0	0.4	1.0	0.9	45.4
LOW AREA 8	0.7	2.3	1.5	0.4	0.1	0.3	0.2	0.1	0.1	0.1	0.1	0.1	6.0
LAMBLY CREEK	4.7	18.6	13.8	4.0	1.7	2.8	2.2	0.8	1.1	0.4	1.1	1.1	52.2
KELOWNA CREEK	2.4	9.5	7.0	1.9	0.8	1.3	1.1	0.4	0.6	0.2	0.6	0.5	26.3
POWERS CREEK	2.0	7.9	5.8	1.6	0.6	1.1	0.9	0.3	0.5	0.2	0.5	0.5	21.9
MCDOUGALL CREEK	0.7	2.6	1.8	0.4	0.2	0.3	0.3	0.1	0.1	0.1	0.1	0.1	6.9
MISSION CREEK	18.1	82.0	64.9	19.4	8.4	13.2	9.7	3.4	5.0	2.0	5.1	4.9	236.1
TREPANIER CREEK	1.8	7.3	5.4	1.4	0.6	1.0	0.8	0.3	0.4	0.2	0.4	0.4	20.1
LOW AREA 7	0.2	0.6	0.4	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.6
PEACHLAND CREEK	2.2	8.3	6.0	1.4	0.5	1.1	0.9	0.3	0.5	0.2	0.5	0.5	22.2
BELLEVUE CREEK	1.5	7.4	6.1	1.8	0.8	1.2	0.9	0.3	0.5	0.2	0.5	0.5	21.6
LOW AREA 6	3.4	12.6	9.1	1.9	0.6	1.5	1.4	0.5	0.7	0.3	0.7	0.7	33.3
TROUT CREEK	12.3	53.6	42.0	10.4	4.1	7.5	6.1	2.1	3.2	1.3	3.2	3.1	148.8
NARAMATA CREEK	0.6	2.9	2.3	0.6	0.2	0.4	0.3	0.1	0.2	0.1	0.2	0.2	8.1
ENEAS CREEK	0.6	2.1	1.4	0.2	0.1	0.2	0.2	0.1	0.1	0.0	0.1	0.1	5.2
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	72.6	303.9	230.8	67.4	28.4	46.4	35.4	12.4	18.3	7.4	16.4	17.9	859.2
PENTICTON CREEK	1.7	9.6	8.3	2.4	1.1	1.6	1.2	0.4	0.6	0.2	0.6	0.6	28.2
LOW AREA 5	0.4	1.5	1.1	0.2	0.0	0.2	0.2	0.1	0.1	0.0	0.1	0.1	3.9
SHINGLE CREEK	2.4	10.4	8.1	1.7	0.6	1.3	1.2	0.4	0.6	0.2	0.6	0.6	28.2
ELLIS CREEK	1.6	7.6	6.2	1.4	0.5	1.0	0.9	0.3	0.4	0.2	0.4	0.4	21.0
LOW AREA 4	0.4	1.5	1.0	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	3.6
MCLEAN CREEK	0.4	1.9	1.5	0.3	0.1	0.2	0.2	0.1	0.1	0.0	0.1	0.1	5.2
PARRON RIVER	0.3	0.9	0.6	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	2.1
SHUTTLEWORTH CREEK	0.7	3.4	2.8	0.6	0.2	0.5	0.4	0.1	0.2	0.1	0.2	0.2	9.4
PARK RILL	1.0	3.8	2.8	0.3	0.1	0.3	0.4	0.1	0.2	0.1	0.2	0.2	9.6
VASEUX CREEK	2.1	10.2	8.5	1.7	0.7	1.3	1.2	0.4	0.6	0.2	0.6	0.6	28.2
LOW AREA 3	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
WOLFCUB CREEK	0.3	1.1	0.8	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	2.8
LOW AREA 2	0.3	1.1	0.8	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	2.8
TESTALINDEN CREEK	0.1	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	11.9	53.7	43.0	9.0	3.3	6.9	6.0	2.1	3.1	1.3	3.1	3.1	146.6
TOTALS	84.5	357.6	273.8	76.4	31.7	53.3	41.4	14.5	21.4	8.7	21.5	21.0	1005.8

YEAR 1960-61
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.5	2.6	1.7	0.7	0.3	0.3	0.1	0.1	0.0	0.0	0.1	0.3	7.8
IRISH CREEK	0.4	0.6	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.9
EQUESIS CREEK	3.9	7.7	5.4	2.5	1.1	1.1	0.4	0.2	0.1	0.1	0.4	0.8	23.8
NASWHITO CREEK	1.8	4.0	3.0	1.4	0.6	0.6	0.2	0.1	0.1	0.1	0.2	0.4	12.5
LOW AREA 9	0.3	0.5	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5
WHITEMAN CREEK	3.5	8.3	6.3	2.9	1.3	1.3	0.4	0.2	0.1	0.1	0.5	0.8	25.8
VERNON CREEK	9.1	17.0	11.7	4.6	1.8	2.0	0.8	0.4	0.3	0.3	0.9	1.7	50.5
SHORTS CREEK	4.3	10.6	8.0	3.6	1.6	1.6	0.5	0.2	0.2	0.2	0.6	1.1	32.4
LOW AREA 8	0.6	0.9	0.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.6
LAMBLY CREEK	5.8	11.7	8.4	3.2	1.2	1.4	0.6	0.2	0.2	0.2	0.6	1.1	34.7
KELOWNA CREEK	2.9	5.8	4.2	1.5	0.5	0.6	0.3	0.1	0.1	0.1	0.3	0.6	17.0
POWERS CREEK	2.4	4.9	3.5	1.2	0.5	0.5	0.2	0.1	0.1	0.1	0.3	0.5	14.3
MCDOUGALL CREEK	0.8	1.4	1.0	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	4.1
MISSION CREEK	20.1	47.8	36.4	13.7	5.5	6.1	2.4	1.0	0.7	0.7	2.6	4.6	141.6
TREPANIER CREEK	4.9	9.9	7.1	2.4	0.9	1.1	0.5	0.2	0.1	0.1	0.5	0.9	28.7
LOW AREA 7	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
PEACHLAND CREEK	2.6	4.9	3.5	1.1	0.4	0.5	0.2	0.1	0.1	0.1	0.3	0.5	14.1
BELLEVUE CREEK	2.0	5.4	4.3	1.6	0.7	0.7	0.3	0.1	0.1	0.1	0.3	0.5	16.0
LOW AREA 6	3.9	7.4	5.2	1.5	0.4	0.7	0.3	0.1	0.1	0.1	0.4	0.7	20.9
TROUT CREEK	15.9	36.1	27.3	8.7	3.2	3.9	1.7	0.7	0.5	0.5	1.9	3.4	103.8
NARAMATA CREEK	0.8	2.0	1.6	0.5	0.2	0.2	0.1	0.0	0.0	0.0	0.1	0.2	5.8
ENEAS CREEK	0.6	1.1	0.7	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	2.9
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	88.3	191.0	140.7	52.2	20.3	23.0	9.4	4.0	2.9	2.9	10.3	18.5	563.6
PENTICTON CREEK	2.6	8.2	6.7	2.4	1.0	1.1	0.4	0.2	0.1	0.1	0.4	0.8	24.0
LOW AREA 5	0.5	0.9	0.6	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.5
SHINGLE CREEK	3.5	7.8	5.9	1.6	0.5	0.7	0.4	0.2	0.1	0.1	0.4	0.7	22.0
ELLIS CREEK	2.4	5.9	4.6	1.3	0.5	0.6	0.3	0.1	0.1	0.1	0.3	0.6	16.8
LOW AREA 4	0.5	0.8	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.1
MCLEAN CREEK	0.6	1.5	1.1	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	4.1
PARRON RIVER	0.3	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
SHUTTLEWORTH CREEK	1.1	2.7	2.2	0.6	0.2	0.3	0.1	0.1	0.0	0.0	0.1	0.3	7.7
PARK RILL	1.3	2.5	1.7	0.3	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.2	6.6
VASEUX CREEK	2.5	6.6	5.3	1.4	0.5	0.6	0.3	0.1	0.1	0.1	0.3	0.6	18.4
LOW AREA 3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
WOLFCUB CREEK	0.4	0.7	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.8
LOW AREA 2	0.4	0.8	0.6	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.1
TESTALINDEN CREEK	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	16.3	39.1	30.3	8.4	2.9	3.8	1.8	0.8	0.6	0.6	2.0	3.6	110.1
TOTALS	104.6	230.1	171.0	60.6	23.2	26.8	11.2	4.8	3.5	3.5	12.3	22.1	673.7

YEAR 1961-62
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.7	2.7	1.2	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.1	5.7
IRISH CREEK	0.2	0.7	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
EQUESIS CREEK	1.9	8.5	4.2	1.9	1.3	0.2	0.1	0.1	0.1	0.1	0.3	0.3	19.0
NASWHITO CREEK	0.9	4.4	2.4	1.1	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.2	10.2
LOW AREA 9	0.1	0.5	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
WHITEMAN CREEK	2.5	12.9	7.2	3.3	2.2	0.5	0.2	0.2	0.2	0.2	0.4	0.5	30.1
VERNON CREEK	4.3	18.5	9.0	3.4	2.4	0.2	0.2	0.2	0.2	0.2	0.5	0.6	39.9
SHORTS CREEK	2.2	11.8	6.7	2.9	2.0	0.4	0.2	0.2	0.2	0.2	0.4	0.4	27.4
LOW AREA 8	0.2	0.9	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
LAMBLY CREEK	2.9	13.2	6.8	2.4	1.7	0.1	0.2	0.2	0.2	0.2	0.4	0.5	28.7
KELOWNA CREEK	1.4	6.6	3.3	1.1	0.8	0.0	0.1	0.1	0.1	0.1	0.2	0.2	14.0
POWERS CREEK	1.2	5.6	2.9	0.9	0.7	0.0	0.1	0.1	0.1	0.1	0.2	0.2	11.9
MCDOUGALL CREEK	0.4	1.6	0.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.3
MISSION CREEK	11.3	59.2	33.7	12.0	8.5	1.0	0.7	0.7	0.7	0.7	1.8	2.1	132.6
INKPANIEK CREEK	2.1	9.6	5.0	1.6	1.1	0.0	0.1	0.1	0.1	0.1	0.3	0.3	20.6
LOW AREA 7	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
PEACHLAND CREEK	1.3	5.6	2.8	0.8	0.6	0.0	0.1	0.1	0.1	0.1	0.2	0.2	11.7
BELLEVUE CREEK	1.0	6.0	3.7	1.3	0.9	0.1	0.1	0.1	0.1	0.1	0.2	0.2	13.8
LOW AREA 6	1.9	8.4	4.2	1.1	0.8	0.0	0.1	0.1	0.1	0.1	0.2	0.3	17.1
TROUT CREEK	8.2	41.6	23.3	6.9	5.0	0.2	0.5	0.5	0.5	0.5	1.2	1.4	89.7
NARAMATA CREEK	0.4	2.3	1.3	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.1	5.0
ENEAS CREEK	0.3	1.1	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	45.4	221.9	120.0	42.3	29.8	3.1	2.7	2.7	2.7	2.7	6.5	7.7	487.6
PENTICTON CREEK	1.7	11.0	7.1	2.3	1.7	0.2	0.1	0.1	0.1	0.1	0.3	0.4	25.3
LOW AREA 5	0.3	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
SHINGLE CREEK	2.2	10.9	6.0	1.5	1.1	0.0	0.1	0.1	0.1	0.1	0.3	0.4	22.8
ELLIS CREEK	1.5	8.2	4.8	1.3	0.9	0.0	0.1	0.1	0.1	0.1	0.2	0.3	17.7
LOW AREA 4	0.2	1.0	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
MCLEAN CREEK	0.4	2.0	1.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	4.3
MARRON RIVER	0.1	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
SHUTTLEWORTH CREEK	0.7	3.7	2.3	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.1	0.1	8.0
PARK RILL	0.8	3.4	1.7	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	6.6
VASEUX CREEK	2.6	14.6	8.9	2.1	1.6	0.0	0.2	0.2	0.2	0.2	0.4	0.5	31.3
LOW AREA 3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
MCLEOD CREEK	0.2	1.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
LOW AREA 2	0.2	1.1	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
TESTALINDEN CREEK	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	11.1	59.1	34.6	8.7	6.5	0.2	0.7	0.7	0.7	0.7	1.7	2.0	126.6
TOTALS	56.5	281.0	154.6	51.0	36.3	3.3	3.4	3.4	3.4	3.4	8.2	9.7	614.2

YEAR 1962-63
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.3	2.0	1.5	0.8	0.4	0.1	0.3	0.1	0.0	0.0	0.1	0.3	7.0
IRISH CREEK	0.3	0.5	0.3	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	1.6
EQUESIS CREEK	3.4	6.3	4.9	2.6	1.5	0.4	1.1	0.3	0.1	0.1	0.3	1.1	22.2
NASWHITO CREEK	1.6	3.3	2.7	1.4	0.9	0.2	0.6	0.2	0.1	0.1	0.2	0.6	11.8
LOW AREA 9	0.2	0.4	0.3	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	1.3
WHITEMAN CREEK	4.1	9.3	7.8	4.0	2.4	0.7	1.6	0.5	0.2	0.2	0.4	1.6	32.9
VERNON CREEK	7.7	13.7	10.7	4.9	2.8	0.6	2.3	0.6	0.3	0.3	0.6	2.3	46.8
SHORTS CREEK	3.8	8.9	7.5	3.8	2.2	0.6	1.5	0.4	0.2	0.2	0.4	1.5	31.1
LOW AREA 8	0.5	0.7	0.5	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.3
LAMBLY CREEK	5.0	9.7	7.8	3.4	2.0	0.4	1.6	0.4	0.2	0.2	0.4	1.6	32.7
KELOWNA CREEK	2.5	4.8	3.8	1.6	0.9	0.2	0.8	0.2	0.1	0.1	0.2	0.8	16.0
POWERS CREEK	2.1	4.0	3.2	1.3	0.8	0.1	0.7	0.2	0.1	0.1	0.2	0.7	13.5
MCDOUGALL CREEK	0.7	1.2	0.9	0.3	0.2	0.0	0.2	0.1	0.0	0.0	0.0	0.2	3.8
MISSION CREEK	15.3	34.7	29.3	12.8	7.5	1.7	5.7	1.6	0.7	0.7	1.5	5.8	117.5
INKPANIEK CREEK	3.1	5.9	4.8	2.0	1.1	0.2	1.0	0.3	0.1	0.1	0.3	1.0	19.8
LOW AREA 7	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
PEACHLAND CREEK	2.2	4.1	3.2	1.2	0.7	0.1	0.6	0.2	0.1	0.1	0.2	0.7	13.3
BELLEVUE CREEK	1.8	4.6	4.0	1.7	1.0	0.2	0.7	0.2	0.1	0.1	0.2	0.8	15.5
LOW AREA 6	3.4	6.0	4.8	1.7	0.9	0.1	0.9	0.3	0.1	0.1	0.3	1.0	19.5
TROUT CREEK	14.0	30.4	25.5	9.8	5.6	0.9	4.8	1.4	0.6	0.6	1.3	4.9	100.0
NARAMATA CREEK	0.8	1.7	1.5	0.6	0.3	0.1	0.3	0.1	0.0	0.0	0.1	0.3	5.7
ENEAS CREEK	0.5	0.8	0.6	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.5
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	74.2	153.1	125.8	54.6	31.8	6.6	25.0	7.1	2.9	2.9	6.7	25.6	516.3
PENTICTON CREEK	2.2	6.4	5.8	2.4	1.4	0.3	1.0	0.3	0.1	0.1	0.3	1.1	21.4
LOW AREA 5	0.4	0.7	0.5	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.1
SHINGLE CREEK	2.9	6.0	5.1	1.7	1.0	0.1	0.9	0.3	0.1	0.1	0.3	1.0	19.4
ELLIS CREEK	2.0	4.6	4.0	1.4	0.8	0.1	0.7	0.2	0.1	0.1	0.2	0.7	14.9
LOW AREA 4	0.3	0.5	0.4	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	1.7
MCLEAN CREEK	0.5	1.1	1.0	0.3	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.2	3.6
MARRON RIVER	0.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
SHUTTLEWORTH CREEK	0.9	2.1	1.9	0.6	0.4	0.0	0.3	0.1	0.0	0.0	0.1	0.3	6.8
PARK RILL	1.0	1.8	1.5	0.4	0.2	0.0	0.3	0.1	0.0	0.0	0.1	0.3	5.7
VASEUX CREEK	2.6	6.4	5.7	1.9	1.1	0.1	1.0	0.3	0.1	0.1	0.3	1.0	20.5
LOW AREA 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
MCLEOD CREEK	0.3	0.5	0.4	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	1.5
LOW AREA 2	0.3	0.6	0.5	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	1.8
TESTALINDEN CREEK	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	13.6	31.4	27.0	9.2	5.3	0.7	4.9	1.4	0.6	0.6	1.3	5.0	100.8
TOTALS	87.8	184.5	152.8	63.8	37.1	7.3	29.9	8.5	3.5	3.5	8.0	30.6	617.2

YEAR 1963-64
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.5	1.4	0.6	0.5	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.2	4.0
IRISH CREEK	0.1	0.3	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9
EQUESIS CREEK	1.5	4.7	2.4	2.1	1.5	0.9	0.2	0.2	0.1	0.1	0.1	0.7	14.4
NASHWITO CREEK	0.7	2.6	1.4	1.2	0.8	0.5	0.1	0.1	0.1	0.1	0.1	0.4	8.0
LOW AREA 9	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
WHITEMAN CREEK	1.1	4.3	2.4	2.0	1.4	0.9	0.2	0.2	0.1	0.1	0.1	0.6	13.4
VERNON CREEK	3.3	10.1	5.0	4.0	2.8	1.7	0.5	0.4	0.2	0.2	0.2	1.4	29.7
SHORTS CREEK	1.8	7.0	4.0	3.2	2.3	1.5	0.3	0.3	0.2	0.2	0.2	1.0	21.8
LOW AREA 8	0.2	0.4	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.2
LAMBLY CREEK	2.2	7.4	3.9	2.9	2.1	1.3	0.3	0.3	0.2	0.2	0.2	1.0	21.8
KELOWNA CREEK	1.1	3.7	1.9	1.4	1.0	0.6	0.2	0.1	0.1	0.1	0.1	0.5	10.6
POWERS CREEK	0.9	3.1	1.6	1.1	0.8	0.5	0.1	0.1	0.1	0.1	0.1	0.4	8.9
MCDOUGALL CREEK	0.3	0.8	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.3
MISSION CREEK	12.5	47.4	27.1	19.4	14.0	8.7	2.2	1.8	1.0	1.0	1.0	6.6	142.3
TREPANIER CREEK	3.3	10.9	5.7	4.0	2.9	1.7	0.5	0.4	0.2	0.2	0.2	1.5	31.5
LOW AREA 7	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
PEACHLAND CREEK	1.0	3.1	1.6	1.1	0.8	0.4	0.1	0.1	0.1	0.1	0.1	0.4	8.7
BELLEVUE CREEK	0.9	3.7	2.2	1.5	1.1	0.7	0.2	0.1	0.1	0.1	0.1	0.5	11.2
LOW AREA 6	1.4	4.5	2.3	1.5	1.0	0.6	0.2	0.2	0.1	0.1	0.1	0.6	12.5
TROUT CREEK	6.7	24.4	13.7	9.0	6.4	3.9	1.1	0.9	0.5	0.5	0.5	3.3	70.7
NARAMATA CREEK	0.4	1.4	0.8	0.5	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.2	4.0
ENEAS CREEK	0.2	0.6	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.5
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	40.2	141.9	77.6	56.2	40.4	24.7	6.4	5.3	2.9	2.9	2.9	19.5	421.0
PENTICTON CREEK	1.2	5.6	3.6	2.3	1.7	1.1	0.3	0.2	0.1	0.1	0.1	0.8	17.1
LOW AREA 5	0.2	0.5	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.4
SHINGLE CREEK	1.5	5.3	3.0	1.8	1.3	0.8	0.2	0.2	0.1	0.1	0.1	0.7	15.1
ELLIS CREEK	1.0	4.0	2.3	1.4	1.0	0.6	0.2	0.1	0.1	0.1	0.1	0.5	11.5
LOW AREA 4	0.2	0.5	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2
MCLEAN CREEK	0.3	1.0	0.6	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.8
MARRON RIVER	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
SHUTTLEWORTH CREEK	0.5	1.8	1.1	0.6	0.5	0.3	0.1	0.1	0.0	0.0	0.0	0.2	5.3
PARK RILL	0.5	1.6	0.8	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.2	4.3
VASEUX CREEK	2.0	8.2	5.0	2.8	2.0	1.2	0.4	0.3	0.2	0.2	0.2	1.1	23.5
LOW AREA 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
WOLFCUB CREEK	0.1	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
LOW AREA 2	0.2	0.5	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.4
TESTALINDEN CREEK	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	7.7	30.0	17.7	10.4	7.5	4.5	1.3	1.1	0.6	0.6	0.6	4.0	85.9
TOTALS	47.9	171.9	95.3	66.6	47.9	29.2	7.7	6.4	3.5	3.5	3.5	23.5	506.8

YEAR 1964-65
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.8	2.7	3.3	1.1	0.8	0.5	0.6	0.3	0.0	0.2	0.1	0.2	10.6
IRISH CREEK	0.2	0.6	0.8	0.3	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.1	2.5
EQUESIS CREEK	1.9	7.2	9.1	3.3	2.3	1.4	1.6	0.7	0.1	0.6	0.4	0.6	29.2
NASHWITO CREEK	0.8	3.6	4.7	1.7	1.2	0.8	0.8	0.4	0.1	0.3	0.2	0.3	14.9
LOW AREA 9	0.2	0.5	0.6	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	2.0
WHITEMAN CREEK	1.0	4.3	5.8	2.2	1.5	0.9	1.0	0.4	0.1	0.4	0.2	0.4	18.2
VERNON CREEK	4.4	16.2	20.3	6.4	4.5	2.7	3.4	1.5	0.3	1.4	0.9	1.3	63.2
SHORTS CREEK	2.0	9.1	12.2	4.5	3.2	1.9	2.1	0.9	0.2	0.8	0.5	0.8	38.1
LOW AREA 8	0.3	1.0	1.2	0.3	0.2	0.1	0.2	0.1	0.0	0.1	0.1	0.1	3.7
LAMBLY CREEK	2.8	10.9	14.0	4.3	3.1	1.8	2.3	1.0	0.2	0.9	0.6	0.9	42.7
KELOWNA CREEK	1.4	5.5	7.0	2.0	1.4	0.8	1.1	0.5	0.1	0.5	0.3	0.4	21.1
POWERS CREEK	1.2	4.6	5.9	1.7	1.2	0.7	1.0	0.4	0.1	0.4	0.2	0.4	17.9
MCDOUGALL CREEK	0.4	1.4	1.8	0.5	0.3	0.2	0.3	0.1	0.0	0.1	0.1	0.1	5.4
MISSION CREEK	12.0	53.8	72.2	22.8	16.2	9.8	11.7	5.3	0.9	4.7	3.0	4.4	216.5
TREPANIER CREEK	1.6	6.3	8.0	2.3	1.6	1.0	1.3	0.6	0.1	0.5	0.3	0.5	24.1
LOW AREA 7	0.1	0.3	0.4	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.1
PEACHLAND CREEK	1.3	4.8	6.1	1.6	1.1	0.7	1.0	0.4	0.1	0.4	0.2	0.4	18.1
BELLEVUE CREEK	0.9	4.5	6.2	2.0	1.4	0.9	1.0	0.4	0.1	0.4	0.3	0.4	18.4
LOW AREA 6	2.0	7.3	9.2	2.3	1.6	0.9	1.5	0.7	0.1	0.6	0.4	0.5	27.0
TROUT CREEK	7.5	32.5	43.3	11.9	8.5	5.0	6.8	3.1	0.5	2.7	1.7	2.5	126.0
NARAMATA CREEK	0.4	1.8	2.4	0.7	0.5	0.3	0.4	0.2	0.0	0.2	0.1	0.1	7.0
ENEAS CREEK	0.3	1.1	1.4	0.3	0.2	0.1	0.2	0.1	0.0	0.1	0.1	0.1	4.0
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	43.3	180.2	235.8	72.4	51.5	30.6	38.5	17.3	2.9	15.5	9.7	14.4	712.0
PENTICTON CREEK	1.1	6.2	8.9	2.8	2.0	1.2	1.4	0.6	0.1	0.6	0.4	0.5	25.7
LOW AREA 5	0.3	0.9	1.1	0.2	0.2	0.1	0.2	0.1	0.0	0.1	0.0	0.1	3.2
SHINGLE CREEK	1.6	6.6	8.8	2.1	1.5	0.9	1.4	0.6	0.1	0.5	0.3	0.5	25.0
ELLIS CREEK	1.1	4.9	6.6	1.7	1.2	0.7	1.0	0.5	0.1	0.4	0.3	0.4	18.8
LOW AREA 4	0.2	0.8	1.0	0.2	0.1	0.1	0.2	0.1	0.0	0.1	0.0	0.1	2.9
MCLEAN CREEK	0.3	1.2	1.6	0.4	0.3	0.2	0.2	0.1	0.0	0.1	0.1	0.1	4.6
MARRON RIVER	0.1	0.5	0.6	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.6
SHUTTLEWORTH CREEK	0.5	2.2	3.1	0.8	0.5	0.3	0.5	0.2	0.0	0.2	0.1	0.2	8.5
PARK RILL	0.6	2.3	3.0	0.5	0.4	0.2	0.4	0.2	0.0	0.2	0.1	0.2	8.2
VASEUX CREEK	1.1	5.4	7.5	1.8	1.3	0.7	1.1	0.5	0.1	0.5	0.3	0.4	20.7
LOW AREA 3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
WOLFCUB CREEK	0.2	0.7	0.9	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.0	2.4
LOW AREA 2	0.2	0.7	0.9	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	2.4
TESTALINDEN CREEK	0.1	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	7.3	32.8	44.5	11.0	7.9	4.5	6.8	3.0	0.5	2.7	1.7	2.5	125.3
TOTALS	50.6	213.0	280.3	83.4	59.4	35.1	45.3	20.3	3.4	18.2	11.4	16.9	837.4

YEAR 1965-66
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	1.6	2.8	1.6	0.7	0.6	0.3	0.3	0.1	0.0	0.0	0.1	0.2	8.3
IRISH CREEK	0.4	0.7	0.4	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.0
EQUESIS CREEK	3.8	7.9	5.0	2.3	1.9	0.9	0.9	0.2	0.1	0.1	0.3	0.7	24.0
NASHWITO CREEK	1.7	4.0	2.7	1.3	1.0	0.5	0.5	0.1	0.1	0.1	0.1	0.3	12.3
LOW AREA 9	0.3	0.5	0.3	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.6
WHITEMAN CREEK	5.8	14.5	10.0	4.6	3.6	1.7	1.7	0.5	0.2	0.2	0.5	1.2	44.5
VERNON CREEK	8.8	17.5	10.9	4.3	3.6	1.5	1.9	0.5	0.2	0.2	0.6	1.4	51.4
SHORTS CREEK	4.0	10.3	7.2	3.2	2.5	1.2	1.2	0.3	0.1	0.1	0.3	0.9	31.4
LOW AREA 8	0.6	1.0	0.6	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.9
LAMBLY CREEK	5.4	11.8	7.7	2.9	2.4	1.0	1.3	0.4	0.2	0.2	0.4	0.9	34.4
KELOWNA CREEK	2.8	5.9	3.8	1.3	1.1	0.4	0.6	0.2	0.1	0.1	0.2	0.5	17.0
POWERS CREEK	2.3	4.9	3.2	1.1	0.9	0.4	0.5	0.1	0.1	0.1	0.2	0.4	14.2
MCDOUGALL CREEK	0.8	1.5	0.9	0.3	0.3	0.1	0.2	0.0	0.0	0.0	0.0	0.1	4.2
MISSION CREEK	28.9	72.6	50.8	18.8	15.5	6.8	8.0	2.2	1.0	1.0	2.3	5.9	213.4
TREPANIER CREEK	3.7	8.0	5.3	1.8	1.5	0.6	0.9	0.2	0.1	0.1	0.3	0.6	23.0
LOW AREA 7	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
PEACHLAND CREEK	2.4	5.0	3.2	1.0	0.9	0.3	0.5	0.1	0.1	0.1	0.2	0.4	14.2
BELLEVUE CREEK	1.8	5.2	3.8	1.4	1.1	0.5	0.6	0.2	0.1	0.1	0.2	0.4	15.3
LOW AREA 6	3.8	7.5	4.8	1.3	1.2	0.4	0.8	0.2	0.1	0.1	0.2	0.6	21.0
TROUT CREEK	14.6	35.2	24.4	7.5	6.5	2.6	3.8	1.0	0.5	0.5	1.1	2.8	100.3
NARAMATA CREEK	0.8	2.0	1.4	0.4	0.4	0.1	0.2	0.1	0.0	0.0	0.1	0.2	5.6
ENEAS CREEK	0.6	1.1	0.7	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.0
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	95.0	220.3	149.0	54.8	45.6	19.5	24.2	6.7	2.9	2.9	7.1	17.8	645.7
PENTICTON CREEK	2.6	8.5	6.5	2.2	1.8	0.8	0.9	0.3	0.1	0.1	0.3	0.7	24.7
LOW AREA 5	0.6	1.1	0.7	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.9
SHINGLE CREEK	3.5	8.3	5.7	1.5	1.4	0.5	0.9	0.2	0.1	0.1	0.3	0.6	23.1
ELLIS CREEK	2.4	6.2	4.5	1.2	1.1	0.4	0.7	0.2	0.1	0.1	0.2	0.5	17.5
LOW AREA 4	0.5	0.9	0.6	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.5
MCLEAN CREEK	0.6	1.6	1.1	0.3	0.3	0.1	0.2	0.0	0.0	0.0	0.0	0.1	4.3
MARRON RIVER	0.3	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
SHUTTLEWORTH CREEK	1.1	2.9	2.1	0.5	0.5	0.2	0.3	0.1	0.0	0.0	0.1	0.2	8.0
PARK RILL	1.4	2.7	1.8	0.3	0.3	0.1	0.3	0.1	0.0	0.0	0.1	0.2	7.2
VASEUX CREEK	4.0	11.1	8.2	2.1	1.9	0.7	1.2	0.3	0.1	0.1	0.3	0.8	30.8
LOW AREA 3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
WOLFCUB CREEK	0.4	0.8	0.5	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.1
LOW AREA 2	0.4	0.8	0.6	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.2
TESTALINDEN CREEK	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	17.9	45.7	32.6	8.6	7.8	2.8	4.8	1.3	0.6	0.6	1.4	3.5	127.6
TOTALS	112.9	266.0	181.6	63.4	53.4	22.3	29.0	8.0	3.5	3.5	8.5	21.3	773.4

YEAR 1966-67
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.7	1.6	0.8	0.6	0.3	0.3	0.0	0.0	0.1	0.0	0.1	0.1	4.7
IRISH CREEK	0.2	0.4	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.2
EQUESIS CREEK	2.2	5.6	3.1	2.2	1.1	1.0	0.1	0.1	0.2	0.1	0.4	0.5	16.7
NASHWITO CREEK	1.1	3.1	1.8	1.3	0.6	0.6	0.1	0.1	0.1	0.1	0.2	0.3	9.3
LOW AREA 9	0.1	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
WHITEMAN CREEK	2.1	6.3	3.8	2.6	1.3	1.2	0.1	0.2	0.3	0.2	0.5	0.5	19.0
VERNON CREEK	4.9	12.0	6.5	4.1	1.9	1.9	0.2	0.3	0.5	0.3	0.9	1.0	34.3
SHORTS CREEK	2.6	8.3	5.1	3.4	1.7	1.6	0.2	0.2	0.3	0.2	0.6	0.7	24.9
LOW AREA 8	0.2	0.5	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.4
LAMBLY CREEK	3.3	8.7	5.0	3.0	1.4	1.4	0.2	0.2	0.3	0.2	0.6	0.7	24.9
KELOWNA CREEK	1.7	4.3	2.4	1.4	0.6	0.6	0.1	0.1	0.2	0.1	0.3	0.3	12.1
POWERS CREEK	1.4	3.6	2.1	1.2	0.5	0.5	0.1	0.1	0.1	0.1	0.3	0.3	10.2
MCDOUGALL CREEK	0.4	0.9	0.5	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	2.6
MISSION CREEK	13.1	39.8	24.7	14.2	6.8	6.6	0.8	1.0	1.6	0.9	2.9	3.2	115.6
TREPANIER CREEK	2.7	7.1	4.1	2.3	1.0	1.0	0.1	0.2	0.3	0.2	0.5	0.6	20.0
LOW AREA 7	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
PEACHLAND CREEK	1.4	3.5	2.0	1.0	0.5	0.5	0.1	0.1	0.1	0.1	0.2	0.3	9.8
BELLEVUE CREEK	1.3	4.3	2.8	1.6	0.8	0.7	0.1	0.1	0.2	0.1	0.3	0.4	12.7
LOW AREA 6	2.1	5.2	2.9	1.4	0.6	0.6	0.1	0.1	0.2	0.1	0.4	0.4	14.2
TROUT CREEK	9.8	28.5	17.5	9.0	4.1	4.2	0.6	0.7	1.1	0.6	2.0	2.2	80.3
NARAMATA CREEK	0.5	1.6	1.0	0.5	0.2	0.2	0.0	0.0	0.1	0.0	0.1	0.1	4.5
ENEAS CREEK	0.3	0.6	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.7
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	52.3	146.4	87.1	50.4	23.7	23.4	3.0	3.6	5.8	3.4	10.6	11.7	421.5
PENTICTON CREEK	1.5	6.0	4.1	2.2	1.1	1.0	0.1	0.1	0.2	0.1	0.4	0.5	17.4
LOW AREA 5	0.2	0.6	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5
SHINGLE CREEK	2.0	5.6	3.4	1.6	0.7	0.7	0.1	0.1	0.2	0.1	0.4	0.4	15.4
ELLIS CREEK	1.3	4.2	2.7	1.3	0.6	0.6	0.1	0.1	0.2	0.1	0.3	0.3	11.7
LOW AREA 4	0.2	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
MCLEAN CREEK	0.4	1.1	0.7	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	2.9
MARRON RIVER	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
SHUTTLEWORTH CREEK	0.6	2.0	1.3	0.6	0.3	0.3	0.0	0.0	0.1	0.0	0.1	0.1	5.4
PARK RILL	0.7	1.7	1.0	0.4	0.1	0.2	0.0	0.0	0.1	0.0	0.1	0.1	4.4
VASEUX CREEK	1.0	3.5	2.3	1.0	0.4	0.5	0.1	0.1	0.1	0.1	0.2	0.3	9.6
LOW AREA 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
WOLFCUB CREEK	0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
LOW AREA 2	0.2	0.5	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.4
TESTALINDEN CREEK	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	8.6	26.4	16.8	7.8	3.4	3.6	0.5	0.6	1.0	0.6	1.8	2.0	73.1
TOTALS	60.9	172.8	103.9	58.2	27.1	27.0	3.5	4.2	6.8	4.0	12.4	13.7	494.6

YEAR 1967-68
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.6	2.5	2.4	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.4	7.3
IRISH CREEK	0.2	0.6	0.6	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.8
EQUESIS CREEK	1.6	7.1	7.4	1.8	1.2	0.8	0.1	0.1	0.1	0.1	0.5	1.2	22.1
NASHWITO CREEK	0.8	3.7	4.0	1.0	0.7	0.5	0.1	0.1	0.1	0.1	0.3	0.6	11.7
LOW AREA 9	0.1	0.5	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
WHITEMAN CREEK	2.0	10.1	11.2	2.9	1.9	1.3	0.2	0.2	0.2	0.2	0.7	1.8	32.5
VERNON CREEK	3.7	15.7	16.2	3.1	2.1	1.4	0.2	0.2	0.2	0.2	1.1	2.6	46.8
SHORTS CREEK	1.8	9.5	10.7	2.6	1.7	1.2	0.2	0.2	0.2	0.2	0.7	1.7	30.5
LOW AREA 8	0.2	0.9	0.8	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	2.4
LAMBLY CREEK	2.3	10.7	11.4	2.1	1.4	1.0	0.2	0.2	0.2	0.2	0.7	1.8	32.1
KELOWNA CREEK	1.2	5.3	5.7	0.9	0.7	0.4	0.1	0.1	0.1	0.1	0.4	0.9	15.8
POWERS CREEK	1.0	4.4	4.7	0.8	0.5	0.4	0.1	0.1	0.1	0.1	0.3	0.7	13.1
MCDOUGALL CREEK	0.3	1.3	1.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.2	3.7
MISSION CREEK	8.8	45.4	51.0	10.0	6.8	4.7	0.7	0.7	0.7	0.7	3.2	7.8	140.4
TREPANIER CREEK	1.9	8.7	9.3	1.5	1.0	0.7	0.1	0.1	0.1	0.1	0.6	1.4	25.7
LOW AREA 7	0.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
PEACHLAND CREEK	1.0	4.5	4.7	0.6	0.5	0.3	0.1	0.1	0.1	0.1	0.3	0.7	12.9
BELLEVUE CREEK	0.8	4.8	5.6	1.1	0.8	0.5	0.1	0.1	0.1	0.1	0.3	0.8	15.0
LOW AREA 6	1.6	6.8	7.1	0.8	0.6	0.4	0.1	0.1	0.1	0.1	0.4	1.1	19.1
TROUT CREEK	6.5	32.2	35.9	5.5	3.9	2.6	0.5	0.5	0.5	0.5	2.2	5.3	95.9
NAHAMATA CREEK	0.4	1.8	2.1	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.3	5.5
ENEAS CREEK	0.2	0.9	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.5
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	37.1	177.5	193.5	36.1	24.7	16.9	2.8	2.8	2.8	2.8	12.3	29.9	539.2
PENTICTON CREEK	1.2	7.5	9.1	1.8	1.2	0.8	0.1	0.1	0.1	0.1	0.5	1.3	24.0
LOW AREA 5	0.2	0.9	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.4
SHINGLE CREEK	1.5	7.5	8.3	1.0	0.7	0.5	0.1	0.1	0.1	0.1	0.5	1.2	21.6
ELLIS CREEK	1.1	5.6	6.4	0.9	0.6	0.4	0.1	0.1	0.1	0.1	0.4	0.9	16.6
LOW AREA 4	0.2	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
MCLEAN CREEK	0.3	1.4	1.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.2	4.0
MARRON RIVER	0.1	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0
SHUTTLEWORTH CREEK	0.5	2.6	3.0	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.4	7.6
PARK HILL	0.6	2.3	2.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.3	6.3
VASEUX CREEK	2.0	11.2	13.2	1.6	1.2	0.8	0.2	0.2	0.2	0.2	0.8	1.8	33.3
LOW AREA 3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
WOLFCUB CREEK	0.2	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
LOW AREA 2	0.2	0.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
TESTALINDEN CREEK	0.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	7.9	41.8	47.9	6.1	4.5	3.0	0.6	0.6	0.6	0.6	2.8	6.8	123.5
TOTALS	45.0	219.3	241.4	42.2	29.2	19.9	3.4	3.4	3.4	3.4	15.1	36.8	662.6

YEAR 1968-69
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	0.7	3.2	2.4	0.8	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.4	8.7
IRISH CREEK	0.2	0.8	0.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.1
EQUESIS CREEK	1.7	8.9	7.3	2.6	1.8	1.2	0.4	0.4	0.1	0.1	0.1	1.1	25.8
NASHWITO CREEK	0.8	4.5	3.8	1.4	1.0	0.6	0.2	0.2	0.1	0.1	0.1	0.6	13.3
LOW AREA 9	0.1	0.6	0.4	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.6
WHITEMAN CREEK	2.0	12.2	10.8	4.0	2.8	1.8	0.5	0.6	0.2	0.2	0.2	1.6	36.8
VERNON CREEK	3.9	20.0	16.0	4.9	3.4	2.1	0.8	0.9	0.3	0.3	0.3	2.4	55.4
SHORTS CREEK	1.8	11.5	10.3	3.7	2.5	1.6	0.5	0.6	0.2	0.2	0.2	1.5	34.5
LOW AREA 8	0.3	1.2	0.9	0.2	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.1	3.1
LAMBLY CREEK	2.5	13.6	11.4	3.4	2.4	1.5	0.5	0.6	0.2	0.2	0.2	1.7	38.0
KELOWNA CREEK	1.3	6.8	5.7	1.6	1.1	0.7	0.3	0.3	0.1	0.1	0.1	0.8	18.8
POWERS CREEK	1.1	5.8	4.8	1.3	0.9	0.6	0.2	0.3	0.1	0.1	0.1	0.7	15.9
MCDOUGALL CREEK	0.4	1.8	1.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.2	4.7
MISSION CREEK	8.8	55.0	49.1	15.0	10.4	6.5	2.2	2.6	0.7	0.7	0.7	7.0	158.9
TREPANIER CREEK	2.1	11.3	9.4	2.6	1.8	1.1	0.4	0.5	0.1	0.1	0.1	1.4	31.0
LOW AREA 7	0.1	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
PEACHLAND CREEK	1.1	6.0	4.9	1.2	0.9	0.5	0.2	0.3	0.1	0.1	0.1	0.7	16.0
BELLEVUE CREEK	0.8	5.7	5.4	1.6	1.1	0.7	0.2	0.3	0.1	0.1	0.1	0.7	16.9
LOW AREA 6	1.7	9.0	7.3	1.6	1.2	0.7	0.3	0.4	0.1	0.1	0.1	1.0	23.6
TROUT CREEK	6.8	40.9	36.2	9.3	6.6	4.0	1.6	1.9	0.5	0.5	0.5	5.0	113.9
NAHAMATA CREEK	0.4	2.2	2.0	0.5	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.3	6.3
ENEAS CREEK	0.3	1.4	1.1	0.2	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.2	3.4
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	38.5	222.7	191.5	56.8	39.6	24.7	8.6	10.4	2.9	2.9	2.9	27.8	629.2
PENTICTON CREEK	0.9	6.8	6.7	2.0	1.4	0.9	0.3	0.3	0.1	0.1	0.1	0.9	20.5
LOW AREA 5	0.2	1.0	0.8	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.4
SHINGLE CREEK	1.2	7.2	6.3	1.4	1.0	0.6	0.3	0.3	0.1	0.1	0.1	0.9	19.5
ELLIS CREEK	0.8	5.3	4.9	1.1	0.8	0.5	0.2	0.2	0.1	0.1	0.1	0.7	14.8
LOW AREA 4	0.2	0.9	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.1
MCLEAN CREEK	0.2	1.3	1.2	0.3	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.2	3.6
MARRON RIVER	0.1	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
SHUTTLEWORTH CREEK	0.4	2.4	2.3	0.5	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.3	6.7
PARK HILL	0.5	2.5	2.0	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.3	6.2
VASEUX CREEK	1.6	10.6	9.9	2.2	1.6	0.9	0.4	0.5	0.1	0.1	0.1	1.3	29.3
LOW AREA 3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
WOLFCUB CREEK	0.1	0.7	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
LOW AREA 2	0.1	0.7	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.9
TESTALINDEN CREEK	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	6.4	40.2	36.6	8.2	5.9	3.5	1.5	1.8	0.5	0.5	0.5	4.9	110.6
TOTALS	44.9	262.9	228.1	65.0	45.5	28.2	10.1	12.2	3.4	3.4	3.4	32.7	739.9

YEAR 1969-70
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CALCULATED NATURAL (VIRGIN) OKANAGAN VALLEY INFLOWS IN THOUSANDS OF ACRE-FEET

SUB-BASIN	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
DEEP CREEK	2.1	4.6	1.3	0.8	0.4	0.2	0.2	0.2	0.0	0.0	0.2	0.3	10.3
IRISH CREEK	0.5	1.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.4
EQUESIS CREEK	4.8	12.3	4.1	2.5	1.4	0.6	0.5	0.5	0.1	0.1	0.7	0.7	28.4
NASWHITO CREEK	2.2	6.2	2.3	1.4	0.8	0.4	0.3	0.2	0.1	0.1	0.3	0.4	14.5
LOW AREA 9	0.4	0.9	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
WHITEMAN CREEK	5.6	16.8	6.6	3.8	2.2	1.0	0.7	0.6	0.2	0.2	0.9	1.0	39.7
VERNON CREEK	11.3	27.4	8.8	4.5	2.6	0.9	1.1	1.0	0.3	0.3	1.4	1.6	61.1
SHORTS CREEK	5.0	15.8	6.4	3.5	2.0	0.9	0.6	0.6	0.2	0.2	0.9	1.0	37.0
LOW AREA 8	0.8	1.6	0.4	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	3.5
LAMBLY CREEK	7.0	18.3	6.5	3.0	1.7	0.6	0.7	0.7	0.2	0.2	1.0	1.1	40.9
KELOWNA CREEK	3.6	9.2	3.2	1.4	0.8	0.3	0.4	0.3	0.1	0.1	0.5	0.5	20.2
POWERS CREEK	3.0	7.7	2.7	1.1	0.7	0.2	0.3	0.3	0.1	0.1	0.4	0.4	16.9
MCDOUGALL CREEK	1.0	2.3	0.7	0.3	0.2	0.0	0.1	0.1	0.0	0.0	0.1	0.1	5.0
MISSION CREEK	24.8	75.2	30.2	13.3	7.8	3.1	3.0	2.7	0.8	0.8	4.0	4.4	170.1
TREPANIER CREEK	5.8	15.0	5.3	2.2	1.3	0.4	0.6	0.5	0.1	0.1	0.8	0.9	33.0
LOW AREA 7	0.2	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
PEACHLAND CREEK	3.1	7.9	2.7	1.0	0.6	0.1	0.3	0.3	0.1	0.1	0.4	0.4	16.9
BELLEVUE CREEK	2.3	7.9	3.4	1.4	0.9	0.4	0.3	0.3	0.1	0.1	0.4	0.5	17.9
LOW AREA 6	4.9	11.9	4.0	1.3	0.7	0.1	0.4	0.4	0.1	0.1	0.6	0.7	25.2
TROUT CREEK	18.6	54.1	21.3	7.6	4.5	1.4	2.1	1.9	0.5	0.5	2.8	3.1	118.5
NARAMATA CREEK	1.0	3.0	1.2	0.4	0.3	0.1	0.1	0.1	0.0	0.0	0.2	0.2	6.6
OKEAS CREEK	0.8	1.8	0.5	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	3.7
SUBTOTAL (TRIBUTARY TO OKANAGAN LAKE)	108.8	301.3	112.3	50.2	29.2	11.0	11.8	10.8	3.0	3.0	16.0	17.6	675.0
PENTICTON CREEK	3.0	11.7	5.6	2.1	1.3	0.5	0.5	0.4	0.1	0.1	0.6	0.7	26.6
LOW AREA 5	0.7	1.6	0.5	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	3.2
SHINGLE CREEK	4.2	11.8	4.6	1.3	0.8	0.2	0.4	0.4	0.1	0.1	0.6	0.7	25.2
ELLIS CREEK	2.8	8.8	3.7	1.1	0.7	0.2	0.3	0.3	0.1	0.1	0.5	0.5	19.1
LOW AREA 4	0.6	1.4	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.8
MCLEAN CREEK	0.7	2.2	0.9	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	4.7
MARRON RIVER	0.4	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
SHUTTLEWORTH CREEK	1.2	4.0	1.7	0.5	0.3	0.1	0.2	0.1	0.0	0.0	0.2	0.2	8.6
PARK RILL	1.6	4.0	1.3	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.2	0.2	8.0
VASEUX CREEK	5.3	17.6	7.7	2.1	1.3	0.3	0.7	0.6	0.2	0.2	0.9	1.0	37.7
LOW AREA 3	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
WOLFCUB CREEK	0.5	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.3
LOW AREA 2	0.4	1.2	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.4
TESTALINDEN CREEK	0.2	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
SUBTOTAL (SOUTH OF OKANAGAN LAKE)	21.7	66.7	27.7	7.9	4.8	1.3	2.5	2.3	0.6	0.6	3.4	3.7	143.3
TOTALS	130.5	368.0	140.0	58.1	34.0	12.3	14.3	13.1	3.6	3.6	19.4	21.3	818.3

APPENDIX B-2

COMPUTER PRINT-OUTS OF ESTIMATED MONTHLY NATURAL DISCHARGES OF TRIBUTARIES AT THEIR MOUTHS. PRINT-OUTS ARE BY TRIBUTARY FOR THE 50 YEAR STUDY PERIOD.

(SEE APPENDIX B-1 FOR PRINT-OUTS OF ALL TRIBUTARIES FOR EACH YEAR AND REFERENCE MAP AT BACK OF APPENDIX B-2).

DEEP CREEK

NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.6	3.1	1.9	0.6	0.3	0.0	0.1	0.0	0.0	0.1	0.0	0.1	7.0
1922	C.6	2.3	1.8	0.5	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.4	6.4
1923	1.1	2.8	2.3	0.9	0.4	0.1	0.1	0.0	0.0	0.0	0.3	0.3	8.5
1924	0.4	1.5	0.4	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.2	3.2
1925	1.4	2.8	1.0	0.5	0.2	0.0	0.1	0.0	0.1	0.2	0.0	0.3	6.6
1926	C.7	0.7	0.2	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.2
1927	0.8	2.1	2.2	0.7	0.5	0.8	1.0	0.2	0.1	0.1	0.2	0.5	9.0
1928	2.1	8.0	2.3	1.9	0.5	0.3	0.1	0.7	0.1	0.1	0.1	0.4	16.5
1929	C.3	0.5	C.5	0.2	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.1	2.4
1930	0.6	0.4	0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.3
1931	0.4	0.7	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
1932	1.4	3.0	1.7	0.5	0.5	0.2	0.1	0.2	0.0	0.0	0.0	0.2	7.9
1933	1.5	3.8	3.3	1.3	0.7	0.4	0.4	0.3	0.2	0.4	0.2	0.7	13.2
1934	4.8	2.0	0.6	0.8	0.6	C.1	0.2	0.4	0.1	0.0	0.2	0.5	10.2
1935	C.9	3.5	2.0	1.8	0.8	0.4	0.0	0.0	0.0	0.2	0.0	0.2	10.0
1936	1.6	2.5	1.1	0.6	0.4	0.1	0.1	0.0	0.1	0.0	0.0	0.2	6.7
1937	1.2	3.5	2.9	1.0	0.5	0.4	0.3	0.1	0.1	0.1	0.1	0.5	10.5
1938	1.0	2.1	0.8	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	5.1
1939	1.5	2.3	1.0	0.7	0.3	0.3	0.0	0.1	0.2	0.0	0.0	0.5	7.0
1940	1.7	2.5	0.9	0.6	0.3	0.4	0.1	0.1	0.1	0.1	0.1	0.5	7.2
1941	1.2	1.0	0.7	0.5	0.3	0.3	0.5	0.2	0.2	0.0	0.1	0.1	5.2
1942	1.3	2.5	1.7	0.9	0.4	0.2	0.0	0.0	0.0	0.0	0.1	0.1	7.3
1943	1.6	2.3	1.8	0.9	0.4	0.1	0.2	0.0	0.0	0.0	0.1	0.0	7.6
1944	0.8	1.7	1.6	0.6	0.4	0.2	0.3	0.1	0.0	0.0	0.1	0.2	6.0
1945	C.9	4.7	2.2	0.8	0.5	0.1	0.2	0.0	0.1	0.1	0.0	0.4	10.0
1946	1.7	4.5	1.7	0.7	0.5	0.1	0.0	0.0	0.0	0.0	0.1	0.3	9.8
1947	1.3	1.8	0.9	0.5	0.4	0.2	0.2	0.2	0.0	0.0	0.0	0.1	5.8
1948	1.2	6.5	3.3	1.2	1.4	0.6	0.5	0.0	0.0	0.0	0.1	0.4	15.3
1949	2.6	5.0	1.0	1.0	0.7	0.2	0.1	0.1	0.1	0.1	0.1	0.3	11.2
1950	0.6	2.3	2.2	0.6	0.5	0.1	0.1	0.0	0.1	0.0	0.2	0.2	7.0
1951	2.7	6.8	2.1	1.4	0.4	0.6	0.3	0.1	0.1	0.1	0.3	0.4	15.1
1952	2.7	5.0	1.4	1.2	0.6	0.4	0.3	0.1	0.1	0.2	0.2	0.2	12.4
1953	0.7	2.5	1.9	0.8	0.6	0.1	0.3	0.2	0.1	0.0	0.2	0.2	7.7
1954	0.8	4.5	2.7	1.7	0.9	0.8	0.4	0.6	0.1	0.0	0.0	0.2	12.8
1955	C.8	2.1	3.1	1.4	0.6	0.3	0.2	0.0	0.1	0.1	0.0	0.4	9.1
1956	2.6	5.8	2.4	1.2	0.8	0.3	0.2	0.1	0.1	0.1	0.1	0.3	13.9
1957	1.3	5.7	1.2	0.7	0.9	0.6	0.1	0.1	0.1	0.3	0.3	0.4	11.9
1958	1.2	4.1	1.1	0.8	0.4	0.2	0.2	0.0	0.1	0.0	0.0	0.4	8.7
1959	1.7	5.7	3.8	1.3	0.5	0.9	0.7	0.2	0.3	0.1	0.3	0.3	15.9
1960	1.5	2.6	1.7	0.7	0.3	0.3	0.1	0.1	0.0	0.0	0.1	0.3	7.8
1961	0.7	2.7	1.2	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.1	5.7
1962	1.3	2.0	1.5	0.8	0.4	0.1	0.3	0.1	0.0	0.0	0.1	0.3	7.0
1963	0.5	1.4	C.6	0.5	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.2	4.0
1964	0.8	2.7	3.3	1.1	0.8	0.5	0.6	0.3	0.0	0.2	0.1	0.2	10.6
1965	1.6	2.8	1.6	0.7	0.6	0.3	0.3	0.1	0.0	0.0	0.1	0.2	8.3
1966	C.7	1.6	0.8	0.6	0.3	0.3	0.0	0.0	0.1	0.0	0.1	0.1	4.7
1967	0.6	2.5	2.4	0.5	C.3	0.2	0.0	0.0	0.0	0.0	0.2	0.4	7.3
1968	C.7	3.2	2.4	0.8	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.4	8.7
1969	2.1	4.6	1.3	0.8	0.4	0.2	0.2	0.2	0.0	0.0	0.2	0.3	10.3

DEEP CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.3	0.4	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
90%	0.6	1.0	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.2
80%	C.7	1.8	0.8	C.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	5.7
70%	0.8	2.1	1.0	C.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.2	6.7
60%	0.9	2.5	1.3	0.6	0.4	0.2	0.1	0.0	0.0	C.0	0.1	0.2	7.2
50%	1.2	2.6	1.7	0.7	0.4	0.2	0.1	0.1	0.0	0.0	0.1	0.3	7.8
40%	1.3	2.8	1.8	0.8	0.5	0.3	0.2	0.1	0.1	0.0	0.1	0.3	8.7
30%	1.5	3.5	2.2	0.9	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.4	10.0
20%	1.7	4.6	2.4	1.2	0.6	0.4	0.3	0.2	0.1	0.1	0.2	0.4	11.2
10%	2.6	5.7	3.1	1.4	0.8	0.6	0.5	0.3	0.1	0.2	0.2	0.5	13.9
0%	4.8	8.0	3.8	1.9	1.4	0.9	1.0	0.7	0.3	0.4	0.3	0.7	16.5
MEAN	1.3	3.1	1.7	0.8	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.3	8.4

IRISH CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.2	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
1922	0.1	0.6	0.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.6
1923	0.3	0.7	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.1
1924	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1925	0.3	0.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6
1926	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1927	0.2	0.5	0.5	0.2	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.1	2.2
1928	0.5	1.8	0.5	0.4	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	3.7
1929	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6
1930	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
1931	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1932	0.3	0.8	0.4	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.0
1933	0.3	0.9	0.8	0.3	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.2	3.0
1934	1.1	0.5	0.1	0.2	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.4
1935	0.2	0.8	0.5	0.4	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.1	2.4
1936	0.4	0.7	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.8
1937	0.2	0.6	0.5	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	1.8
1938	0.3	0.7	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.7
1939	0.3	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
1940	0.2	0.4	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.0
1941	0.4	0.3	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	1.7
1942	0.4	0.8	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.4
1943	0.2	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
1944	0.2	0.4	0.3	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.3
1945	0.2	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.2
1946	0.5	1.4	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.0
1947	0.2	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1948	0.3	1.7	0.9	0.3	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.1	3.9
1949	0.5	1.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.3
1950	0.2	0.8	0.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.5
1951	0.6	1.5	0.5	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	3.4
1952	0.6	1.1	0.3	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.8
1953	0.2	0.6	0.4	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	1.8
1954	0.2	1.0	0.6	0.4	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	2.9
1955	0.2	0.5	0.8	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.2
1956	0.6	1.3	0.6	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	3.2
1957	0.3	1.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.1	2.7
1958	0.3	0.9	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
1959	0.4	1.3	0.8	0.3	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.1	3.5
1960	0.4	0.6	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.9
1961	0.2	0.7	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
1962	0.3	0.5	0.3	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	1.6
1963	0.1	0.3	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1964	0.2	0.6	0.8	0.3	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.1	2.5
1965	0.4	0.7	0.4	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.0
1966	0.2	0.4	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.2
1967	0.2	0.6	0.6	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.8
1968	0.2	0.8	0.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.1
1969	0.5	1.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.4

IRISH CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
90%	0.1	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
80%	0.2	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
70%	0.2	0.5	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
60%	0.2	0.6	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.8
50%	0.2	0.7	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.0
40%	0.3	0.8	0.5	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.2
30%	0.3	0.8	0.5	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.4
20%	0.4	1.0	0.6	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.7
10%	0.5	1.3	0.8	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	3.2
0%	1.1	1.8	0.9	0.4	0.4	0.2	0.2	0.1	0.1	0.1	0.1	0.2	3.9
MEAN	0.3	0.7	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.0

EQUESIS CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	1.3	7.2	4.8	1.8	1.0	0.2	0.4	0.1	0.1	0.2	0.1	0.2	17.4
1922	1.1	4.7	4.0	1.2	0.7	0.7	0.3	0.1	0.1	0.1	0.1	0.8	13.8
1923	2.5	7.0	6.2	2.5	1.3	0.4	0.3	0.1	0.1	0.1	0.7	0.8	22.0
1924	1.3	5.9	2.0	1.1	0.9	0.2	0.4	0.1	0.1	0.1	0.5	0.7	13.3
1925	2.7	6.5	2.6	1.3	0.6	0.2	0.2	0.1	0.1	0.4	0.1	0.7	15.6
1926	2.7	3.5	1.1	1.3	0.6	0.2	0.5	0.2	0.1	0.1	0.1	0.3	10.5
1927	1.9	5.8	6.5	2.3	1.5	2.5	3.0	0.5	0.3	0.2	0.5	1.4	26.3
1928	4.0	17.3	6.1	4.6	1.5	0.9	0.3	1.5	0.1	0.1	0.1	1.0	37.5
1929	1.1	2.5	2.7	1.1	1.6	1.8	0.3	0.1	0.1	0.1	0.1	0.3	11.8
1930	2.5	2.2	2.4	1.3	1.2	0.6	0.1	0.1	0.1	0.1	0.1	0.6	11.2
1931	1.4	3.2	1.4	1.5	0.6	0.2	0.1	0.1	0.1	0.1	0.1	0.7	9.4
1932	3.5	9.0	5.4	1.8	1.7	0.7	0.2	0.7	0.1	0.1	0.1	0.7	24.1
1933	3.2	9.1	8.4	3.5	1.9	1.1	1.0	0.8	0.5	1.0	0.5	1.8	32.8
1934	11.2	6.4	2.3	2.4	1.9	0.3	0.5	1.0	0.2	0.1	0.6	1.3	28.4
1935	2.1	9.5	5.9	5.2	2.6	1.4	0.1	0.1	0.1	0.6	0.1	0.6	28.3
1936	4.5	8.4	4.1	2.3	1.4	0.6	0.5	0.1	0.2	0.1	0.1	0.7	23.0
1937	2.2	7.7	6.8	2.5	1.2	1.0	0.7	0.2	0.1	0.1	0.1	1.0	23.6
1938	3.6	8.8	3.6	2.1	1.1	1.0	0.2	0.1	0.1	0.2	0.1	0.8	21.7
1939	3.2	6.0	2.9	2.0	0.9	0.7	0.1	0.2	0.5	0.1	0.1	1.2	18.0
1940	3.1	5.4	2.3	1.4	0.8	0.9	0.1	0.1	0.1	0.2	0.1	1.0	15.6
1941	4.3	4.3	3.3	2.4	1.4	1.3	1.9	1.0	0.7	0.1	0.5	0.5	21.7
1942	4.3	9.5	7.0	3.8	1.6	0.8	0.1	0.1	0.1	0.1	0.5	0.2	28.2
1943	3.1	5.3	4.4	2.2	1.0	0.4	0.5	0.1	0.1	0.1	0.3	0.1	17.7
1944	1.9	5.1	5.0	1.9	1.3	0.8	0.9	0.4	0.1	0.1	0.3	0.5	18.3
1945	1.9	11.6	5.2	2.3	1.6	0.4	0.6	0.1	0.2	0.3	0.1	1.0	26.2
1946	4.8	14.9	6.6	2.8	2.0	0.5	0.1	0.1	0.1	0.1	0.2	1.1	33.4
1947	2.8	4.6	2.6	1.3	1.1	0.7	0.6	0.4	0.1	0.1	0.1	0.3	14.7
1948	2.6	15.8	9.1	3.5	3.9	1.8	1.3	0.1	0.1	0.1	0.2	1.0	39.6
1949	5.3	11.9	3.2	2.7	2.0	0.7	0.1	0.3	0.1	0.1	0.1	0.8	27.5
1950	2.2	9.8	10.1	2.8	2.4	0.6	0.6	0.1	0.3	0.1	0.9	0.7	30.8
1951	5.5	15.7	5.7	3.7	1.3	1.5	0.6	0.2	0.1	0.1	0.7	0.9	36.0
1952	5.7	12.5	4.3	3.3	1.8	1.1	0.7	0.1	0.1	0.5	0.5	0.6	31.2
1953	1.9	7.3	5.9	2.7	2.0	0.4	0.8	0.7	0.3	0.1	0.6	0.6	23.4
1954	1.7	10.8	7.3	4.6	2.5	2.1	0.9	1.6	0.3	0.1	0.1	0.6	32.7
1955	2.0	6.0	9.5	4.6	1.9	1.1	0.5	0.1	0.2	0.2	0.1	1.1	27.4
1956	5.5	14.0	6.6	3.4	2.3	1.0	0.6	0.1	0.2	0.1	0.2	0.8	34.7
1957	2.9	14.3	3.9	2.2	2.6	1.8	0.3	0.2	0.3	0.7	0.9	1.1	31.3
1958	3.0	11.5	3.9	2.6	1.4	0.8	0.6	0.1	0.4	0.1	0.1	1.2	25.7
1959	3.3	12.8	9.2	3.4	1.5	2.2	1.5	0.5	0.8	0.3	0.8	0.8	37.0
1960	3.9	7.7	5.4	2.5	1.1	1.1	0.4	0.2	0.1	0.1	0.4	0.8	23.8
1961	1.9	8.5	4.2	1.9	1.3	0.2	0.1	0.1	0.1	0.1	0.3	0.3	19.0
1962	3.4	6.3	4.9	2.6	1.5	0.4	1.1	0.3	0.1	0.1	0.3	1.1	22.2
1963	1.5	4.7	2.4	2.1	1.5	0.9	0.2	0.2	0.1	0.1	0.1	0.7	14.4
1964	1.9	7.2	9.1	3.3	2.3	1.4	1.6	0.7	0.1	0.6	0.4	0.6	29.2
1965	3.8	7.9	5.0	2.3	1.9	0.9	0.9	0.2	0.1	0.1	0.3	0.7	24.0
1966	2.2	5.6	3.1	2.2	1.1	1.0	0.1	0.1	0.2	0.1	0.4	0.5	16.7
1967	1.6	7.1	7.4	1.8	1.2	0.8	0.1	0.1	0.1	0.1	0.5	1.2	22.1
1968	1.7	8.9	7.3	2.6	1.8	1.2	0.4	0.4	0.1	0.1	0.1	1.1	25.8
1969	4.8	12.3	4.1	2.5	1.4	0.6	0.5	0.5	0.1	0.1	0.7	0.7	28.4

EQUESIS CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	1.1	2.2	1.1	1.1	0.6	0.2	0.1	0.1	0.1	0.1	0.1	0.1	9.4
90%	1.4	4.3	2.3	1.3	0.8	0.2	0.1	0.1	0.1	0.1	0.1	0.3	13.3
80%	1.9	5.3	2.7	1.8	1.1	0.4	0.1	0.1	0.1	0.1	0.1	0.5	15.6
70%	1.9	6.0	3.6	2.0	1.2	0.6	0.2	0.1	0.1	0.1	0.1	0.6	18.3
60%	2.2	7.0	4.1	2.2	1.3	0.7	0.3	0.1	0.1	0.1	0.1	0.7	22.1
50%	2.7	7.7	4.9	2.4	1.5	0.8	0.5	0.1	0.1	0.1	0.2	0.7	23.8
40%	3.1	8.8	5.7	2.5	1.6	0.9	0.5	0.2	0.1	0.1	0.3	0.8	26.2
30%	3.5	9.5	6.2	2.7	1.8	1.1	0.6	0.3	0.2	0.1	0.5	1.0	28.3
20%	4.3	11.9	7.0	3.4	2.0	1.3	0.9	0.5	0.3	0.2	0.5	1.1	31.2
10%	5.3	14.3	9.1	3.8	2.4	1.8	1.3	0.8	0.4	0.5	0.7	1.2	34.7
0%	11.2	17.3	10.1	5.2	3.9	2.5	3.0	1.6	0.8	1.0	0.9	1.8	39.6
MEAN	3.1	8.4	5.1	2.5	1.5	0.9	0.6	0.3	0.2	0.2	0.3	0.8	23.8

NASWHITO CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.8	4.7	3.4	1.3	0.7	0.1	0.2	0.1	0.1	0.1	0.1	0.2	11.8
1922	0.8	3.7	3.3	1.0	0.6	0.6	0.2	0.1	0.1	0.1	0.1	0.7	11.1
1923	1.3	4.1	3.8	1.5	0.8	0.3	0.2	0.1	0.1	0.1	0.4	0.5	13.1
1924	0.7	3.3	1.2	0.7	0.5	0.2	0.2	0.1	0.1	0.1	0.3	0.4	7.7
1925	1.7	4.5	2.0	1.0	0.5	0.1	0.1	0.1	0.1	0.3	0.1	0.5	11.0
1926	1.4	2.1	0.7	0.8	0.4	0.1	0.3	0.1	0.1	0.1	0.1	0.2	6.3
1927	0.8	2.9	3.4	1.2	0.8	1.3	1.5	0.3	0.2	0.1	0.2	0.7	13.5
1928	1.7	8.1	3.2	2.3	0.8	0.5	0.2	0.7	0.1	0.1	0.1	0.5	18.2
1929	0.6	1.5	1.6	0.7	1.0	1.1	0.2	0.1	0.1	0.1	0.1	0.2	7.0
1930	1.3	1.4	1.5	0.8	0.8	0.4	0.1	0.1	0.1	0.1	0.1	0.3	6.7
1931	0.7	1.9	0.9	1.0	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.4	5.7
1932	1.6	4.6	3.0	1.0	0.9	0.4	0.1	0.4	0.1	0.1	0.1	0.3	12.6
1933	1.4	4.5	4.3	1.8	1.0	0.6	0.5	0.4	0.2	0.5	0.3	0.9	16.3
1934	5.0	3.5	1.4	1.3	1.0	0.2	0.2	0.5	0.1	0.1	0.3	0.7	14.4
1935	0.9	4.7	3.1	2.7	1.4	0.7	0.1	0.1	0.1	0.3	0.1	0.3	14.5
1936	2.1	4.4	2.3	1.3	0.8	0.4	0.3	0.1	0.1	0.1	0.1	0.4	12.1
1937	1.0	3.9	3.6	1.4	0.7	0.5	0.4	0.1	0.1	0.1	0.1	0.5	12.3
1938	1.7	4.6	2.1	1.2	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.4	11.5
1939	1.5	3.2	1.7	1.1	0.5	0.4	0.1	0.1	0.2	0.1	0.1	0.7	9.8
1940	1.5	3.1	1.4	0.8	0.5	0.6	0.1	0.1	0.1	0.1	0.1	0.6	8.8
1941	2.0	2.4	1.8	1.3	0.8	0.7	1.0	0.5	0.4	0.1	0.2	0.3	11.5
1942	1.9	4.8	3.7	2.0	0.9	0.4	0.1	0.1	0.1	0.1	0.3	0.1	14.4
1943	1.5	2.9	2.5	1.2	0.6	0.2	0.3	0.1	0.1	0.1	0.2	0.1	9.7
1944	0.9	2.7	2.7	1.1	0.8	0.5	0.5	0.2	0.1	0.1	0.1	0.3	9.9
1945	0.9	5.8	3.3	1.3	0.9	0.2	0.3	0.1	0.1	0.1	0.1	0.5	13.5
1946	2.1	7.2	3.5	1.5	1.0	0.3	0.1	0.1	0.1	0.1	0.1	0.5	16.6
1947	1.4	2.6	1.5	0.8	0.7	0.4	0.3	0.2	0.1	0.1	0.1	0.2	8.3
1948	1.1	7.4	4.6	1.8	2.0	0.9	0.6	0.1	0.1	0.1	0.1	0.5	19.2
1949	2.4	6.0	1.9	1.5	1.1	0.4	0.1	0.2	0.1	0.1	0.1	0.4	14.1
1950	1.0	4.9	5.2	1.5	1.3	0.3	0.3	0.1	0.2	0.1	0.5	0.4	15.7
1951	2.4	7.6	3.1	1.9	0.7	0.8	0.3	0.1	0.1	0.1	0.3	0.5	17.8
1952	2.5	6.2	2.3	1.7	0.9	0.6	0.3	0.1	0.1	0.3	0.3	0.3	15.6
1953	0.9	3.7	3.2	1.5	1.1	0.3	0.4	0.4	0.2	0.1	0.3	0.3	12.2
1954	0.7	5.2	3.8	2.4	1.3	1.1	0.5	0.8	0.2	0.1	0.1	0.3	16.4
1955	0.9	3.0	4.9	2.4	1.0	0.6	0.3	0.1	0.1	0.1	0.1	0.6	14.1
1956	2.4	6.9	3.5	1.8	1.2	0.5	0.3	0.1	0.1	0.1	0.1	0.4	17.3
1957	1.3	7.0	2.2	1.2	1.4	0.9	0.1	0.1	0.2	0.4	0.5	0.6	15.8
1958	1.4	5.8	2.2	1.4	0.8	0.4	0.3	0.1	0.2	0.1	0.1	0.6	13.3
1959	1.4	6.1	4.6	1.7	0.8	1.1	0.7	0.3	0.4	0.2	0.4	0.4	18.1
1960	1.8	4.0	3.0	1.4	0.6	0.6	0.2	0.1	0.1	0.1	0.2	0.4	12.5
1961	0.9	4.4	2.4	1.1	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.2	10.2
1962	1.6	3.3	2.7	1.4	0.9	0.2	0.6	0.2	0.1	0.1	0.2	0.6	11.8
1963	0.7	2.6	1.4	1.2	0.8	0.5	0.1	0.1	0.1	0.1	0.1	0.4	8.0
1964	0.8	3.6	4.7	1.7	1.2	0.8	0.8	0.4	0.1	0.3	0.2	0.3	14.9
1965	1.7	4.0	2.7	1.3	1.0	0.5	0.5	0.1	0.1	0.1	0.1	0.3	12.3
1966	1.1	3.1	1.8	1.3	0.6	0.6	0.1	0.1	0.1	0.1	0.2	0.3	9.3
1967	0.8	3.7	4.0	1.0	0.7	0.5	0.1	0.1	0.1	0.1	0.3	0.6	11.7
1968	0.8	4.5	3.8	1.4	1.0	0.6	0.2	0.2	0.1	0.1	0.1	0.6	13.3
1969	2.2	6.2	2.3	1.4	0.8	0.4	0.3	0.2	0.1	0.1	0.3	0.4	14.5

NASWHITO CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.6	1.4	0.7	0.7	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	5.7
90%	0.7	2.4	1.4	0.8	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.2	7.7
80%	0.8	2.9	1.7	1.0	0.6	0.2	0.1	0.1	0.1	0.1	0.1	0.3	9.7
70%	0.9	3.3	2.1	1.2	0.7	0.4	0.1	0.1	0.1	0.1	0.1	0.3	11.1
60%	1.1	3.7	2.3	1.3	0.8	0.4	0.2	0.1	0.1	0.1	0.1	0.4	11.8
50%	1.4	4.1	2.7	1.3	0.8	0.5	0.2	0.1	0.1	0.1	0.1	0.4	12.5
40%	1.5	4.5	3.2	1.4	0.9	0.5	0.3	0.1	0.1	0.1	0.2	0.5	13.5
30%	1.7	4.8	3.4	1.5	1.0	0.6	0.3	0.2	0.1	0.1	0.2	0.5	14.4
20%	1.9	6.0	3.8	1.7	1.0	0.7	0.5	0.3	0.2	0.1	0.3	0.6	15.7
10%	2.4	7.0	4.6	2.0	1.3	0.9	0.6	0.4	0.2	0.3	0.3	0.7	17.3
0%	5.0	8.1	5.2	2.7	2.0	1.3	1.5	0.8	0.4	0.5	0.5	0.9	19.2
MEAN	1.4	4.3	2.8	1.4	0.9	0.5	0.3	0.2	0.1	0.1	0.2	0.4	12.6

LOW AREA 9
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.1	0.6	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
1922	0.1	0.4	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.2
1923	0.2	0.6	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.7
1924	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1925	0.2	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
1926	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1927	0.2	0.4	0.4	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.1	1.8
1928	0.5	1.8	0.5	0.4	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	3.7
1929	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1930	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1931	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1932	0.3	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
1933	0.3	0.8	0.7	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	2.7
1934	1.0	0.4	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.0
1935	0.2	0.7	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.0
1936	0.3	0.5	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
1937	0.2	0.5	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5
1938	0.3	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
1939	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0
1940	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1941	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.3
1942	0.4	0.7	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
1943	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1944	0.1	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1945	0.2	0.9	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.8
1946	0.5	1.3	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.8
1947	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
1948	0.3	1.7	0.9	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1	4.0
1949	0.4	0.8	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.8
1950	0.2	0.7	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	2.1
1951	0.6	1.5	0.4	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	3.2
1952	0.6	1.0	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	2.4
1953	0.1	0.5	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
1954	0.2	0.9	0.6	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	2.6
1955	0.2	0.4	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.8
1956	0.6	1.2	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.8
1957	0.3	1.1	0.2	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.1	2.3
1958	0.2	0.8	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
1959	0.4	1.3	0.8	0.2	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.1	3.5
1960	0.3	0.5	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5
1961	0.1	0.5	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1962	0.2	0.4	0.3	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	1.3
1963	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1964	0.2	0.5	0.6	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	2.0
1965	0.3	0.5	0.3	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.6
1966	0.1	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1967	0.1	0.5	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
1968	0.1	0.6	0.4	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.6
1969	0.4	0.9	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0

LOW AREA 9

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
90%	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
80%	0.1	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
70%	0.1	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
60%	0.2	0.5	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
50%	0.2	0.5	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
40%	0.2	0.6	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.8
30%	0.3	0.7	0.4	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.0
20%	0.4	0.9	0.5	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.3
10%	0.5	1.3	0.6	0.3	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	2.8
0%	1.0	1.8	0.9	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	4.0
MEAN	0.3	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6

WHITEMAN CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	2.1	13.0	9.6	3.7	2.0	0.4	0.7	0.2	0.2	0.4	0.2	0.5	32.9
1922	2.0	10.2	9.3	2.9	1.8	1.7	0.7	0.2	0.2	0.2	0.2	1.8	31.0
1923	3.3	11.1	10.6	4.3	2.3	0.8	0.6	0.2	0.2	0.2	1.1	1.4	36.0
1924	1.8	9.5	3.8	2.0	1.6	0.5	0.7	0.2	0.2	0.2	0.9	1.1	22.5
1925	4.4	12.5	5.8	2.8	1.3	0.4	0.3	0.2	0.3	0.8	0.2	1.4	30.5
1926	3.9	6.3	2.3	2.3	1.1	0.3	0.8	0.3	0.2	0.2	0.2	0.4	18.4
1927	2.2	8.0	9.4	3.4	2.2	3.6	4.2	0.8	0.5	0.3	0.7	1.9	37.2
1928	4.3	21.7	8.9	6.4	2.2	1.4	0.4	2.0	0.2	0.2	0.2	1.3	49.1
1929	1.6	4.3	4.7	2.0	2.9	3.1	0.4	0.2	0.2	0.2	0.2	0.6	20.3
1930	3.5	4.1	4.3	2.4	2.2	1.1	0.2	0.2	0.2	0.2	0.2	1.0	19.5
1931	2.0	5.6	2.7	2.8	1.1	0.4	0.2	0.2	0.2	0.2	0.2	1.2	16.6
1932	4.2	12.7	8.4	2.9	2.6	1.2	0.3	1.0	0.2	0.2	0.2	1.0	34.8
1933	3.5	12.0	11.7	5.0	2.8	1.6	1.4	1.1	0.7	1.3	0.7	2.4	44.2
1934	12.9	10.2	4.1	3.6	2.8	0.6	0.7	1.5	0.3	0.2	0.8	1.9	39.6
1935	2.4	12.8	8.8	7.5	3.8	2.0	0.2	0.2	0.2	0.9	0.2	0.9	39.7
1936	5.4	12.2	6.5	3.6	2.2	1.0	0.7	0.2	0.4	0.2	0.2	1.0	33.5
1937	2.7	10.7	10.2	3.8	1.9	1.5	1.0	0.3	0.2	0.2	0.2	1.5	34.1
1938	4.4	12.7	6.0	3.2	1.8	1.6	0.2	0.2	0.2	0.3	0.2	1.1	31.9
1939	4.0	9.1	5.0	3.2	1.6	1.2	0.2	0.4	0.7	0.2	0.2	1.9	27.5
1940	4.0	8.6	4.2	2.3	1.3	1.6	0.2	0.2	0.2	0.4	0.2	1.6	24.8
1941	5.2	6.7	5.2	3.7	2.2	2.0	2.9	1.4	1.0	0.2	0.7	0.8	31.9
1942	4.9	13.2	10.4	5.5	2.5	1.2	0.2	0.2	0.2	0.2	0.7	0.3	39.5
1943	3.9	8.3	7.3	3.6	1.8	0.7	0.8	0.2	0.2	0.2	0.4	0.2	27.5
1944	2.4	7.6	7.8	3.1	2.1	1.4	1.3	0.6	0.2	0.2	0.4	0.7	27.8
1945	2.3	15.7	9.3	3.6	2.4	0.6	0.8	0.2	0.2	0.4	0.2	1.4	37.2
1946	5.3	19.5	9.8	4.2	2.9	0.9	0.2	0.2	0.2	0.2	0.3	1.5	45.1
1947	3.8	7.6	4.6	2.3	2.0	1.2	0.9	0.7	0.2	0.2	0.2	0.5	24.1
1948	2.8	19.7	12.6	4.9	5.3	2.5	1.7	0.2	0.2	0.2	0.3	1.3	51.7
1949	4.2	11.3	3.7	2.8	2.1	0.8	0.1	0.3	0.1	0.1	0.1	0.8	26.5
1950	1.8	9.3	10.2	3.0	2.5	0.7	0.6	0.1	0.3	0.1	0.9	0.7	30.3
1951	7.7	26.1	11.0	6.6	2.5	2.7	1.1	0.4	0.2	0.2	1.2	1.6	61.3
1952	6.4	16.6	6.6	4.8	2.6	1.7	0.9	0.2	0.2	0.7	0.7	0.8	42.1
1953	1.8	8.1	7.0	3.2	2.4	0.6	0.9	0.8	0.4	0.1	0.7	0.7	26.7
1954	1.7	12.6	9.3	5.9	3.3	2.7	1.2	2.0	0.4	0.2	0.2	0.7	40.0
1955	1.9	6.6	10.8	5.3	2.3	1.3	0.6	0.1	0.2	0.2	0.1	1.3	30.9
1956	5.6	17.0	9.0	4.5	3.1	1.4	0.8	0.2	0.2	0.2	0.3	1.0	43.1
1957	2.8	16.0	5.3	2.8	3.2	2.2	0.3	0.2	0.4	0.9	1.1	1.3	36.5
1958	3.5	15.8	6.3	4.0	2.2	1.2	0.9	0.2	0.5	0.2	0.2	1.7	36.7
1959	3.1	14.0	10.9	4.1	1.9	2.6	1.7	0.6	0.9	0.4	0.9	0.9	41.9
1960	3.5	8.3	5.3	2.9	1.3	1.3	0.4	0.2	0.1	0.1	0.5	0.8	25.8
1961	2.5	12.9	7.2	3.3	2.2	0.5	0.2	0.2	0.2	0.2	0.4	0.5	30.1
1962	4.1	9.3	7.8	4.0	2.4	0.7	1.6	0.5	0.2	0.2	0.4	1.6	32.9
1963	1.1	4.3	2.4	2.0	1.4	0.9	0.2	0.2	0.1	0.1	0.1	0.6	13.4
1964	1.0	4.3	5.8	2.2	1.5	0.9	1.0	0.4	0.1	0.4	0.2	0.4	18.2
1965	5.8	14.5	10.0	4.6	3.6	1.7	1.7	0.5	0.2	0.2	0.5	1.2	44.5
1966	2.1	6.3	3.8	2.6	1.3	1.2	0.1	0.2	0.3	0.2	0.5	0.5	19.0
1967	2.0	10.1	11.2	2.9	1.9	1.3	0.2	0.2	0.2	0.2	0.7	1.8	32.5
1968	2.0	12.2	10.8	4.0	2.8	1.8	0.5	0.6	0.2	0.2	0.2	1.6	36.8
1969	5.6	16.8	6.6	3.8	2.2	1.0	0.7	0.6	0.2	0.2	0.9	1.0	39.7

WHITEMAN CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	1.0	4.1	2.3	2.0	1.1	0.3	0.1	0.1	0.1	0.1	0.1	0.2	13.4
90%	1.8	5.6	3.8	2.3	1.3	0.5	0.2	0.2	0.2	0.1	0.2	0.5	19.0
80%	2.0	7.6	4.6	2.8	1.6	0.7	0.2	0.2	0.2	0.2	0.2	0.6	24.8
70%	2.2	8.3	5.8	2.9	1.9	0.9	0.3	0.2	0.2	0.2	0.2	0.8	27.5
60%	2.7	9.5	6.5	3.2	2.1	1.1	0.5	0.2	0.2	0.2	0.2	0.9	30.9
50%	3.5	11.1	7.3	3.6	2.2	1.2	0.7	0.2	0.2	0.2	0.3	1.0	32.9
40%	3.9	12.5	8.9	3.7	2.3	1.4	0.8	0.3	0.2	0.2	0.4	1.3	36.0
30%	4.2	12.9	9.4	4.0	2.5	1.6	0.9	0.5	0.2	0.2	0.7	1.4	37.2
20%	4.9	15.7	10.2	4.6	2.8	1.8	1.1	0.6	0.4	0.4	0.7	1.6	40.0
10%	5.6	17.0	10.9	5.5	3.2	2.6	1.7	1.1	0.5	0.7	0.9	1.8	44.5
0%	12.9	26.1	12.6	7.5	5.3	3.6	4.2	2.0	1.0	1.3	1.2	2.4	61.3
MEAN	3.6	11.4	7.5	3.7	2.3	1.3	0.8	0.4	0.3	0.3	0.4	1.1	33.0

VERNON CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	3.9	20.6	13.5	4.2	2.2	0.2	1.0	0.2	0.2	0.6	0.2	0.7	47.7
1922	3.7	15.7	13.0	3.1	1.9	2.0	1.0	0.2	0.2	0.2	0.2	2.6	43.9
1923	6.5	17.7	15.6	5.3	2.6	0.7	0.8	0.3	0.3	0.3	1.7	2.0	53.8
1924	2.9	12.2	4.0	1.8	1.6	0.3	0.9	0.2	0.2	0.2	1.0	1.3	26.6
1925	8.1	18.4	7.2	3.0	1.3	0.2	0.5	0.3	0.4	1.1	0.3	2.0	42.7
1926	5.8	7.1	2.1	2.3	0.9	0.2	0.9	0.3	0.2	0.2	0.2	0.5	20.7
1927	4.3	13.0	14.3	4.3	2.8	5.0	6.4	1.2	0.7	0.5	1.0	2.9	56.3
1928	9.7	40.3	13.7	9.2	2.4	1.5	0.7	3.4	0.3	0.3	0.3	2.2	84.0
1929	2.4	5.2	5.5	1.9	3.2	3.4	0.5	0.2	0.2	0.2	0.3	0.7	23.6
1930	5.3	4.4	4.8	2.4	2.3	1.0	0.2	0.2	0.2	0.2	0.2	1.1	22.3
1931	3.0	6.5	2.8	2.9	0.9	0.3	0.2	0.2	0.2	0.2	0.2	1.4	18.6
1932	8.2	19.9	11.7	3.1	3.2	1.2	0.5	1.4	0.3	0.3	0.3	1.4	51.5
1933	7.5	20.7	18.8	6.8	3.6	2.0	2.2	1.8	1.1	2.1	1.2	3.9	71.7
1934	26.2	13.6	4.7	4.4	3.6	0.4	1.1	2.2	0.4	0.3	1.2	2.9	61.1
1935	4.8	21.4	13.0	10.6	5.1	2.5	0.3	0.3	0.3	1.3	0.3	1.3	61.2
1936	10.3	18.3	8.7	4.1	2.5	1.0	1.0	0.2	0.5	0.2	0.2	1.5	48.7
1937	5.2	17.0	14.9	4.6	2.1	1.7	1.4	0.4	0.3	0.3	0.3	2.2	50.2
1938	8.3	19.1	7.7	3.7	1.9	1.9	0.3	0.2	0.2	0.4	0.2	1.6	45.7
1939	7.1	12.7	6.2	3.7	1.6	1.3	0.2	0.5	0.9	0.2	0.2	2.6	37.3
1940	6.7	11.2	4.7	2.3	1.3	1.7	0.2	0.2	0.2	0.4	0.2	2.1	31.4
1941	9.8	9.3	7.1	4.6	2.6	2.5	4.1	2.0	1.4	0.3	1.0	1.1	45.8
1942	9.9	21.3	15.4	7.3	2.8	1.2	0.3	0.3	0.3	0.3	1.1	0.5	60.7
1943	6.9	11.4	9.5	4.1	1.8	0.6	1.1	0.2	0.2	0.2	0.6	0.2	36.9
1944	4.3	11.0	10.6	3.5	2.4	1.5	1.8	0.8	0.2	0.2	0.5	1.0	37.9
1945	4.5	25.9	13.4	4.1	2.9	0.4	1.2	0.3	0.4	0.6	0.3	2.2	56.2
1946	11.4	34.0	14.6	5.1	3.7	0.7	0.3	0.3	0.3	0.3	0.4	2.4	73.5
1947	6.1	9.6	5.2	2.3	2.1	1.2	1.2	0.9	0.2	0.2	0.2	0.6	29.8
1948	6.4	37.4	21.1	6.6	8.2	3.4	3.0	0.3	0.3	0.3	0.5	2.3	89.7
1949	12.2	26.4	6.8	5.0	3.8	1.1	0.3	0.6	0.3	0.3	0.3	1.8	58.9
1950	5.3	22.2	22.4	5.2	4.7	0.9	1.3	0.3	0.7	0.3	1.9	1.5	66.7
1951	13.2	36.1	12.6	6.9	2.0	2.8	1.4	0.5	0.3	0.3	1.5	2.1	79.8
1952	13.5	27.9	9.2	6.3	3.2	2.0	1.4	0.3	0.3	1.1	1.2	1.2	67.6
1953	4.4	16.2	12.9	5.1	3.8	0.6	1.6	1.6	0.7	0.3	1.3	1.3	49.8
1954	4.0	24.8	16.4	9.5	4.9	4.2	2.1	3.5	0.7	0.3	0.3	1.3	71.9
1955	4.8	13.5	21.3	9.3	3.5	1.9	1.2	0.3	0.5	0.4	0.3	2.4	59.4
1956	13.0	31.8	14.6	6.4	4.4	1.6	1.3	0.3	0.4	0.3	0.5	1.7	76.1
1957	6.7	32.1	8.4	3.9	5.2	3.4	0.6	0.5	0.8	1.6	2.0	2.4	67.5
1958	6.8	25.3	8.3	4.8	2.6	1.3	1.4	0.3	0.8	0.3	0.3	2.6	54.5
1959	8.0	29.9	21.1	6.5	2.7	4.4	3.4	1.2	1.8	0.7	1.8	1.7	83.1
1960	9.1	17.0	11.7	4.6	1.8	2.0	0.8	0.4	0.3	0.3	0.9	1.7	50.5
1961	4.3	18.5	9.0	3.4	2.4	0.2	0.2	0.2	0.2	0.2	0.5	0.6	39.9
1962	7.7	13.7	10.7	4.9	2.8	0.6	2.3	0.6	0.3	0.3	0.6	2.3	46.8
1963	3.3	10.1	5.0	4.0	2.8	1.7	0.5	0.4	0.2	0.2	0.2	1.4	29.7
1964	4.4	16.2	20.3	6.4	4.5	2.7	3.4	1.5	0.3	1.4	0.9	1.3	63.2
1965	8.8	17.5	10.9	4.3	3.6	1.5	1.9	0.5	0.2	0.2	0.6	1.4	51.4
1966	4.9	12.0	6.5	4.1	1.9	1.9	0.2	0.3	0.5	0.3	0.9	1.0	34.3
1967	3.7	15.7	16.2	3.1	2.1	1.4	0.2	0.2	0.2	0.2	1.1	2.6	46.8
1968	3.9	20.0	16.0	4.9	3.4	2.1	0.8	0.9	0.3	0.3	0.3	2.4	55.4
1969	11.3	27.4	8.8	4.5	2.6	0.9	1.1	1.0	0.3	0.3	1.4	1.6	61.1

VERNON CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	2.4	4.4	2.1	1.8	0.9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	18.6
90%	3.7	9.3	4.7	2.3	1.6	0.3	0.2	0.2	0.2	0.2	0.2	0.6	26.6
80%	4.3	11.4	6.2	3.1	1.9	0.6	0.3	0.2	0.2	0.2	0.2	1.1	36.9
70%	4.5	13.5	7.7	3.7	2.1	0.9	0.5	0.3	0.2	0.2	0.3	1.3	43.9
60%	5.3	16.2	9.0	4.1	2.4	1.2	0.8	0.3	0.3	0.3	0.3	1.4	47.7
50%	6.5	17.7	10.9	4.4	2.6	1.5	1.0	0.3	0.3	0.3	0.5	1.6	51.4
40%	7.1	19.9	13.0	4.8	2.8	1.7	1.2	0.5	0.3	0.3	0.6	2.0	56.2
30%	8.2	21.4	14.3	5.1	3.4	2.0	1.4	0.6	0.4	0.3	1.0	2.2	61.1
20%	9.8	26.4	15.6	6.4	3.7	2.5	1.8	1.2	0.7	0.5	1.2	2.4	67.5
10%	12.2	32.1	20.3	7.3	4.7	3.4	3.0	1.8	0.8	1.1	1.5	2.6	76.1
0%	26.2	40.3	22.4	10.6	8.2	5.0	6.4	3.5	1.8	2.1	2.0	3.9	89.7
MEAN	7.2	19.0	11.3	4.8	2.9	1.6	1.2	0.7	0.4	0.4	0.7	1.7	51.9

SHORTS CREEK

NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	1.9	12.3	9.2	3.4	1.8	0.4	0.7	0.2	0.2	0.4	0.2	0.4	31.1
1922	1.8	9.7	9.0	2.6	1.6	1.6	0.6	0.2	0.2	0.2	0.2	1.7	29.3
1923	3.0	10.5	10.1	3.9	2.1	0.7	0.5	0.2	0.2	0.2	1.0	1.3	33.7
1924	1.7	9.1	3.8	1.8	1.5	0.4	0.7	0.2	0.2	0.2	0.8	1.1	21.5
1925	4.0	11.8	5.6	2.6	1.2	0.4	0.3	0.2	0.3	0.7	0.2	1.4	28.7
1926	3.7	6.2	2.3	2.2	1.0	0.3	0.8	0.3	0.2	0.2	0.2	0.4	17.8
1927	2.0	7.6	9.0	3.2	2.0	3.4	4.0	0.7	0.5	0.3	0.6	1.8	34.9
1928	3.9	20.2	8.6	5.8	2.0	1.2	0.4	1.8	0.1	0.1	0.1	1.2	45.5
1929	1.5	4.1	4.6	1.9	2.8	3.0	0.4	0.2	0.2	0.2	0.2	0.6	19.6
1930	3.3	4.0	4.3	2.3	2.1	1.0	0.2	0.2	0.2	0.2	0.2	1.0	18.8
1931	1.9	5.4	2.7	2.7	1.0	0.4	0.2	0.2	0.2	0.2	0.2	1.2	16.0
1932	3.9	12.1	8.1	2.6	2.4	1.1	0.3	0.9	0.2	0.2	0.2	0.9	32.8
1933	3.2	11.2	11.1	4.5	2.5	1.5	1.3	1.0	0.6	1.2	0.7	2.2	41.0
1934	11.7	9.8	4.0	3.3	2.6	0.5	0.6	1.4	0.3	0.2	0.8	1.8	36.9
1935	2.2	12.0	8.4	6.9	3.6	1.9	0.2	0.2	0.2	0.8	0.2	0.8	37.3
1936	4.9	11.5	6.3	3.3	2.0	0.9	0.7	0.2	0.3	0.2	0.2	1.0	31.4
1937	2.4	10.1	9.8	3.5	1.8	1.4	0.9	0.2	0.2	0.2	0.2	1.4	32.1
1938	4.0	12.0	5.8	3.0	1.6	1.5	0.2	0.2	0.2	0.3	0.2	1.1	36.0
1939	3.6	8.7	4.8	3.0	1.5	1.1	0.2	0.3	0.7	0.2	0.2	1.8	26.0
1940	3.7	8.2	4.1	2.1	1.2	1.5	0.2	0.2	0.2	0.3	0.2	1.6	23.4
1941	4.8	6.4	5.1	3.4	2.0	1.9	2.7	1.3	0.9	0.2	0.6	0.7	30.1
1942	4.5	12.4	9.9	5.1	2.2	1.1	0.2	0.2	0.2	0.2	0.7	0.3	36.9
1943	3.6	8.0	7.1	3.4	1.7	0.6	0.8	0.2	0.2	0.2	0.4	0.2	26.2
1944	2.2	7.3	7.6	2.9	2.0	1.3	1.2	0.6	0.2	0.2	0.4	0.7	26.4
1945	2.1	14.7	9.0	3.3	2.2	0.6	0.8	0.2	0.2	0.4	0.2	1.4	34.9
1946	4.8	18.3	9.4	3.8	2.6	0.8	0.2	0.2	0.2	0.2	0.3	1.4	42.0
1947	3.5	7.3	4.5	2.2	1.9	1.1	0.9	0.7	0.2	0.2	0.2	0.5	23.0
1948	2.5	18.3	12.0	4.4	4.9	2.3	1.6	0.2	0.2	0.2	0.3	1.2	47.9
1949	5.6	15.7	5.4	3.8	2.8	1.0	0.2	0.4	0.2	0.2	0.2	1.1	36.5
1950	2.3	12.4	13.7	3.9	3.3	0.9	0.8	0.2	0.4	0.2	1.2	0.9	40.3
1951	5.4	19.1	8.3	4.7	1.7	2.0	0.8	0.3	0.2	0.2	0.9	1.2	44.6
1952	5.8	15.7	6.5	4.4	2.4	1.5	0.8	0.2	0.2	0.7	0.7	0.7	39.5
1953	2.1	9.7	8.6	3.8	2.8	0.7	1.0	1.0	0.4	0.2	0.9	0.8	31.9
1954	1.7	13.1	9.9	6.0	3.3	2.8	1.2	2.0	0.4	0.2	0.2	0.7	41.5
1955	2.2	7.9	13.1	6.3	2.7	1.5	0.7	0.2	0.3	0.3	0.2	1.5	36.9
1956	5.5	17.3	9.3	4.5	3.1	1.3	0.8	0.2	0.2	0.2	0.3	1.0	43.5
1957	3.0	17.6	6.1	3.0	3.5	2.4	0.4	0.3	0.4	1.0	1.2	1.5	40.2
1958	3.2	14.8	6.1	3.6	2.0	1.1	0.9	0.2	0.5	0.2	0.2	1.6	34.2
1959	3.2	15.2	12.1	4.4	2.0	2.8	1.9	0.7	1.0	0.4	1.0	0.9	45.4
1960	4.3	10.6	8.0	3.6	1.6	1.6	0.5	0.2	0.2	0.2	0.6	1.1	32.4
1961	2.2	11.8	6.7	2.9	2.0	0.4	0.2	0.2	0.2	0.2	0.4	0.4	27.4
1962	3.8	8.9	7.5	3.8	2.2	0.6	1.5	0.4	0.2	0.2	0.4	1.5	31.1
1963	1.8	7.0	4.0	3.2	2.3	1.5	0.3	0.3	0.2	0.2	0.2	1.0	21.8
1964	2.0	9.1	12.2	4.5	3.2	1.9	2.1	0.9	0.2	0.8	0.5	0.8	38.1
1965	4.0	10.3	7.2	3.2	2.5	1.2	1.2	0.3	0.1	0.1	0.3	0.9	31.4
1966	2.6	8.3	5.1	3.4	1.7	1.6	0.2	0.2	0.3	0.2	0.6	0.7	24.9
1967	1.8	9.5	10.7	2.6	1.7	1.2	0.2	0.2	0.2	0.2	0.7	1.7	30.5
1968	1.8	11.5	10.3	3.7	2.5	1.6	0.5	0.6	0.2	0.2	0.2	1.5	34.5
1969	5.0	15.8	6.4	3.5	2.0	0.9	0.6	0.6	0.2	0.2	0.9	1.0	37.0

SHORTS CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	1.5	4.0	2.3	1.8	1.0	0.3	0.2	0.2	0.1	0.1	0.1	0.2	16.0
90%	1.8	6.4	4.0	2.2	1.5	0.4	0.2	0.2	0.2	0.2	0.2	0.4	21.5
80%	2.0	7.9	4.8	2.6	1.7	0.6	0.2	0.2	0.2	0.2	0.2	0.7	26.0
70%	2.2	8.9	5.8	3.0	1.8	0.9	0.3	0.2	0.2	0.2	0.2	0.8	29.3
60%	2.5	9.7	6.5	3.3	2.0	1.1	0.5	0.2	0.2	0.2	0.2	1.0	31.1
50%	3.2	10.6	7.6	3.4	2.0	1.2	0.7	0.2	0.2	0.2	0.3	1.1	32.4
40%	3.6	11.8	8.6	3.6	2.2	1.5	0.8	0.3	0.2	0.2	0.4	1.2	34.9
30%	3.9	12.4	9.2	3.8	2.5	1.5	0.8	0.4	0.3	0.2	0.6	1.4	36.9
20%	4.5	15.2	9.9	4.4	2.8	1.9	1.2	0.7	0.4	0.3	0.7	1.5	40.2
10%	5.4	17.6	12.0	5.1	3.3	2.4	1.6	1.0	0.5	0.7	0.9	1.7	43.5
0%	11.7	20.2	13.7	6.9	4.9	3.4	4.0	2.0	1.0	1.2	1.2	2.2	47.9
MEAN	3.4	11.2	7.6	3.6	2.2	1.3	0.8	0.4	0.3	0.3	0.4	1.1	32.6

LOW AREA 8
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.2	1.2	0.7	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	2.5
1922	0.2	0.8	0.7	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.2
1923	0.4	1.0	0.8	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.9
1924	0.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1925	0.5	0.9	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	2.1
1926	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1927	0.3	0.8	0.8	0.2	0.1	0.3	0.4	0.1	0.0	0.0	0.1	0.2	3.1
1928	0.8	3.1	0.9	0.6	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.2	6.1
1929	0.1	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1930	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1931	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
1932	0.5	1.1	0.6	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.8
1933	0.5	1.3	1.1	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	4.3
1934	1.8	0.7	0.2	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.1	0.2	3.5
1935	0.3	1.3	0.7	0.6	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.1	3.5
1936	0.7	1.0	0.4	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.6
1937	0.3	1.0	0.8	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.7
1938	0.5	1.0	0.4	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.3
1939	0.4	0.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6
1940	0.3	0.4	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.2
1941	0.6	0.5	0.3	0.2	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.1	2.3
1942	0.7	1.2	0.8	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	3.4
1943	0.4	0.5	0.4	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.7
1944	0.2	0.5	0.5	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.7
1945	0.3	1.5	0.7	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.1
1946	0.8	2.2	0.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	4.6
1947	0.3	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
1948	0.6	3.1	1.6	0.4	0.6	0.2	0.2	0.0	0.0	0.0	0.0	0.2	7.0
1949	0.8	1.5	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.2
1950	0.4	1.4	1.3	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.1	3.9
1951	1.0	2.5	0.8	0.4	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	5.3
1952	0.9	1.7	0.5	0.3	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	3.9
1953	0.3	0.9	0.7	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.1	0.1	2.7
1954	0.3	1.6	1.0	0.5	0.2	0.2	0.1	0.2	0.0	0.0	0.0	0.1	4.3
1955	0.3	0.8	1.2	0.5	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	3.3
1956	0.9	2.0	0.8	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	4.6
1957	0.5	2.0	0.4	0.2	0.3	0.7	0.0	0.0	0.0	0.1	0.1	0.1	3.9
1958	0.4	1.5	0.4	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.0
1959	0.7	2.3	1.5	0.4	0.1	0.3	0.2	0.1	0.1	0.1	0.1	0.1	6.0
1960	0.6	0.9	0.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.6
1961	0.2	0.9	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
1962	0.5	0.7	0.5	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.3
1963	0.2	0.4	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.2
1964	0.3	1.0	1.2	0.3	0.2	0.1	0.2	0.1	0.0	0.1	0.1	0.1	3.7
1965	0.6	1.0	0.6	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.9
1966	0.2	0.5	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.4
1967	0.2	0.9	0.8	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	2.4
1968	0.3	1.2	0.9	0.2	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.1	3.1
1969	0.8	1.6	0.4	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	3.5

LOW AREA 8

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
90%	0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
80%	0.2	0.5	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
70%	0.3	0.7	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.2
60%	0.3	0.9	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.5
50%	0.4	1.0	0.6	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.8
40%	0.5	1.1	0.7	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	3.1
30%	0.6	1.3	0.8	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	3.5
20%	0.7	1.6	0.9	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	3.9
10%	0.8	2.2	1.2	0.4	0.2	0.2	0.2	0.1	0.0	0.1	0.1	0.2	4.6
0%	1.8	3.1	1.6	0.6	0.6	0.3	0.4	0.2	0.1	0.1	0.1	0.2	7.0
MEAN	0.5	1.1	0.6	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.9

LAMBLY CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	2.6	14.4	9.9	3.0	1.5	0.2	0.7	0.2	0.2	0.4	0.2	0.5	33.7
1922	2.4	11.0	9.5	2.2	1.4	1.4	0.7	0.2	0.2	0.2	0.2	1.8	31.1
1923	4.1	12.0	11.0	3.6	1.8	0.5	0.6	0.2	0.2	0.2	1.1	1.4	36.6
1924	2.1	9.6	3.4	1.4	1.3	0.3	0.7	0.2	0.2	0.2	0.8	1.0	21.0
1925	5.2	12.8	5.4	2.0	0.9	0.2	0.3	0.2	0.3	0.7	0.2	1.4	29.6
1926	4.4	6.1	2.0	1.9	0.8	0.2	0.8	0.3	0.2	0.2	0.2	0.4	17.2
1927	2.7	8.8	10.0	2.9	1.9	3.4	4.3	0.8	0.5	0.3	0.7	2.0	38.3
1928	5.5	24.7	9.1	5.7	1.5	1.0	0.4	2.1	0.2	0.2	0.2	1.3	51.9
1929	1.8	4.2	4.5	1.5	2.5	2.7	0.4	0.1	0.1	0.1	0.2	0.5	19.0
1930	4.0	3.7	4.1	1.9	1.8	0.8	0.2	0.2	0.2	0.2	0.2	0.9	18.1
1931	2.3	5.5	2.5	2.4	0.8	0.2	0.1	0.1	0.1	0.1	0.1	1.1	15.6
1932	5.2	13.7	8.5	2.1	2.2	0.8	0.3	1.0	0.2	0.2	0.2	1.0	35.4
1933	4.5	13.4	12.6	4.4	2.3	1.3	1.4	1.1	0.7	1.4	0.8	2.5	46.3
1934	16.2	9.9	3.7	2.9	2.4	0.3	0.7	1.5	0.3	0.2	0.8	1.9	40.8
1935	3.1	14.4	9.3	7.2	3.5	1.7	0.2	0.2	0.2	0.9	0.2	0.9	41.8
1936	6.6	12.8	6.4	2.8	1.7	0.7	0.7	0.2	0.4	0.2	0.2	1.0	33.7
1937	3.3	11.6	10.6	3.1	1.5	1.2	1.0	0.3	0.2	0.2	0.2	1.5	34.5
1938	5.3	13.2	5.7	2.5	1.3	1.3	0.2	0.2	0.2	0.3	0.2	1.1	31.6
1939	4.6	9.1	4.7	2.6	1.1	0.9	0.2	0.3	0.7	0.2	0.2	1.8	26.3
1940	4.5	8.2	3.7	1.7	0.9	1.2	0.2	0.2	0.2	0.3	0.2	1.5	22.6
1941	6.3	6.6	5.2	3.2	1.8	1.8	2.8	1.4	1.0	0.2	0.7	0.7	31.6
1942	6.2	14.4	10.9	4.9	1.9	0.8	0.2	0.2	0.2	0.2	0.7	0.3	40.9
1943	4.6	8.4	7.2	2.9	1.3	0.4	0.8	0.2	0.2	0.2	0.4	0.2	26.8
1944	2.9	7.9	7.8	2.5	1.7	1.1	1.3	0.6	0.2	0.2	0.4	0.7	27.1
1945	2.8	17.5	9.7	2.8	2.0	0.3	0.8	0.2	0.3	0.4	0.2	1.5	38.4
1946	6.8	22.0	10.2	3.3	2.4	0.5	0.2	0.2	0.2	0.2	0.3	1.6	47.7
1947	4.3	7.4	4.3	1.7	1.6	0.9	0.9	0.7	0.2	0.2	0.2	0.5	22.8
1948	3.6	22.9	13.6	4.1	5.1	2.1	1.9	0.2	0.2	0.2	0.3	1.4	55.5
1949	7.7	18.1	5.2	3.4	2.6	0.8	0.2	0.4	0.2	0.2	0.2	1.2	40.2
1950	3.3	14.8	15.5	3.5	3.2	0.6	0.9	0.2	0.5	0.2	1.3	1.0	45.0
1951	7.7	22.9	8.7	4.4	1.3	1.8	0.9	0.3	0.2	0.2	1.0	1.3	50.6
1952	8.1	18.3	6.6	4.1	2.1	1.3	0.9	0.2	0.2	0.7	0.8	0.8	44.1
1953	2.8	11.1	9.2	3.5	2.6	0.4	1.1	1.1	0.5	0.2	0.9	0.9	34.3
1954	2.4	16.1	11.2	6.2	3.3	2.8	1.4	2.3	0.5	0.2	0.2	0.8	47.3
1955	3.1	9.3	15.0	6.4	2.4	1.3	0.8	0.2	0.3	0.3	0.2	1.7	41.1
1956	7.8	20.6	10.1	4.1	2.9	1.0	0.9	0.2	0.2	0.2	0.3	1.1	49.3
1957	4.1	21.1	6.2	2.6	3.4	2.2	0.4	0.3	0.5	1.1	1.3	1.6	44.8
1958	4.3	17.0	6.1	3.2	1.7	0.9	0.9	0.2	0.5	0.2	0.2	1.7	36.8
1959	4.7	18.6	13.8	4.0	1.7	2.8	2.2	0.8	1.1	0.4	1.1	1.1	52.2
1960	5.8	11.7	8.4	3.2	1.2	1.4	0.6	0.2	0.2	0.2	0.6	1.1	34.7
1961	2.9	13.2	6.8	2.4	1.7	0.1	0.2	0.2	0.2	0.2	0.4	0.5	28.7
1962	5.0	9.7	7.8	3.4	2.0	0.4	1.6	0.4	0.2	0.2	0.4	1.6	32.7
1963	2.2	7.4	3.9	2.9	2.1	1.3	0.3	0.3	0.2	0.2	0.2	1.0	21.8
1964	2.8	10.9	14.0	4.3	3.1	1.8	2.3	1.0	0.2	0.9	0.6	0.9	42.7
1965	5.4	11.8	7.7	2.9	2.4	1.0	1.3	0.4	0.2	0.2	0.4	0.9	34.4
1966	3.3	8.7	5.0	3.0	1.4	1.4	0.2	0.2	0.3	0.2	0.6	0.7	24.9
1967	2.3	10.7	11.4	2.1	1.4	1.0	0.2	0.2	0.2	0.2	0.7	1.8	32.1
1968	2.5	13.6	11.4	3.4	2.4	1.5	0.5	0.6	0.2	0.2	0.2	1.7	38.0
1969	7.0	18.3	6.5	3.0	1.7	0.6	0.7	0.7	0.2	0.2	1.0	1.1	40.9

LAMBLY CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	1.8	3.7	2.0	1.4	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.2	15.6
90%	2.3	6.6	3.7	1.9	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.5	21.0
80%	2.7	8.4	4.7	2.2	1.3	0.4	0.2	0.2	0.2	0.2	0.2	0.7	26.3
70%	2.9	9.6	5.7	2.6	1.5	0.6	0.3	0.2	0.2	0.2	0.2	0.9	31.1
60%	3.3	11.0	6.6	2.9	1.7	0.8	0.6	0.2	0.2	0.2	0.2	1.0	33.7
50%	4.3	12.0	7.8	3.0	1.8	1.0	0.7	0.2	0.2	0.2	0.3	1.1	34.7
40%	4.6	13.4	9.2	3.2	2.0	1.2	0.8	0.3	0.2	0.2	0.4	1.3	38.3
30%	5.2	14.4	10.0	3.5	2.4	1.3	0.9	0.4	0.3	0.2	0.7	1.5	40.9
20%	6.2	18.1	11.0	4.1	2.5	1.7	1.3	0.8	0.5	0.3	0.8	1.6	44.8
10%	7.7	21.1	13.6	4.9	3.2	2.2	1.9	1.1	0.5	0.7	1.0	1.8	49.3
0%	16.2	24.7	15.5	7.2	5.1	3.4	4.3	2.3	1.1	1.4	1.3	2.5	55.5
MEAN	4.5	12.9	8.1	3.2	2.0	1.1	0.8	0.5	0.3	0.3	0.5	1.2	35.4

KELOWNA CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	1.3	7.2	4.9	1.4	0.7	0.0	0.3	0.1	0.1	0.2	0.1	0.2	16.5
1922	1.2	5.5	4.7	1.0	0.6	0.6	0.3	0.1	0.1	0.1	0.1	0.9	15.2
1923	2.1	6.0	5.4	1.7	0.8	0.2	0.3	0.1	0.1	0.1	0.6	0.7	18.0
1924	1.0	4.6	1.6	0.6	0.6	0.1	0.3	0.1	0.1	0.1	0.4	0.5	10.0
1925	2.6	6.3	2.6	0.9	0.4	0.1	0.2	0.1	0.1	0.4	0.1	0.7	14.4
1926	2.1	2.8	0.9	0.8	0.3	0.1	0.3	0.1	0.1	0.1	0.1	0.2	7.9
1927	1.4	4.4	5.0	1.4	0.9	1.6	2.1	0.4	0.2	0.2	0.3	1.0	18.9
1928	2.9	12.7	4.6	2.7	0.7	0.4	0.2	1.1	0.1	0.1	0.1	0.7	26.2
1929	0.9	2.0	2.1	0.7	1.2	1.3	0.2	0.1	0.1	0.1	0.1	0.3	8.9
1930	1.9	1.8	1.9	0.9	0.8	0.4	0.1	0.1	0.1	0.1	0.1	0.4	8.5
1931	1.1	2.6	1.1	1.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.5	7.2
1932	2.7	6.8	4.2	0.9	1.0	0.4	0.2	0.5	0.1	0.1	0.1	0.5	17.4
1933	2.3	6.7	6.3	2.1	1.1	0.6	0.7	0.6	0.3	0.7	0.4	1.2	23.0
1934	8.3	4.8	1.8	1.3	1.1	0.1	0.3	0.7	0.1	0.1	0.4	1.0	20.2
1935	1.6	7.2	4.6	3.5	1.6	0.8	0.1	0.1	0.1	0.4	0.1	0.4	20.6
1936	3.4	6.4	3.2	1.3	0.8	0.3	0.4	0.1	0.2	0.1	0.1	0.5	16.6
1937	1.7	5.8	5.3	1.5	0.7	0.6	0.5	0.1	0.1	0.1	0.1	0.7	17.0
1938	2.7	6.6	2.8	1.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.6	15.5
1939	2.3	4.5	2.3	1.2	0.5	0.4	0.1	0.2	0.3	0.1	0.1	0.9	12.8
1940	2.2	4.0	1.8	0.7	0.4	0.6	0.1	0.1	0.1	0.2	0.1	0.7	10.9
1941	3.2	3.3	2.5	1.5	0.8	0.8	1.4	0.7	0.5	0.1	0.3	0.4	15.5
1942	3.2	7.2	5.4	2.3	0.9	0.4	0.1	0.1	0.1	0.1	0.4	0.2	20.2
1943	2.4	4.1	3.5	1.4	0.6	0.2	0.4	0.1	0.1	0.1	0.2	0.1	13.1
1944	1.5	3.9	3.9	1.1	0.8	0.5	0.6	0.3	0.1	0.1	0.2	0.3	13.3
1945	1.5	8.8	4.8	1.3	0.9	0.1	0.4	0.1	0.1	0.2	0.1	0.7	19.0
1946	3.5	11.0	5.0	1.5	1.1	0.2	0.1	0.1	0.1	0.1	0.1	0.8	23.6
1947	2.2	3.6	2.1	0.8	0.7	0.4	0.4	0.3	0.1	0.1	0.1	0.2	11.0
1948	1.9	11.8	6.9	1.9	2.5	1.0	0.9	0.1	0.1	0.1	0.2	0.7	28.1
1949	4.0	9.0	2.6	1.6	1.2	0.3	0.1	0.2	0.1	0.1	0.1	0.6	19.8
1950	1.7	7.5	7.8	1.6	1.5	0.2	0.4	0.1	0.2	0.1	0.6	0.5	22.3
1951	4.0	11.6	4.3	2.0	0.5	0.8	0.4	0.2	0.1	0.1	0.5	0.7	25.3
1952	4.2	9.2	3.2	1.9	1.0	0.6	0.5	0.1	0.1	0.4	0.4	0.4	21.8
1953	1.4	5.6	4.6	1.6	1.2	0.2	0.5	0.5	0.2	0.1	0.5	0.4	16.9
1954	1.2	8.1	5.6	3.0	1.5	1.3	0.7	1.1	0.2	0.1	0.1	0.4	23.4
1955	1.6	4.7	7.5	3.1	1.1	0.6	0.4	0.1	0.2	0.2	0.1	0.8	20.3
1956	4.0	10.4	5.0	1.9	1.3	0.4	0.4	0.1	0.1	0.1	0.2	0.6	24.5
1957	2.1	10.6	3.0	1.1	1.6	1.1	0.2	0.1	0.2	0.5	0.6	0.8	22.2
1958	2.2	8.5	3.0	1.5	0.8	0.4	0.5	0.1	0.3	0.1	0.1	0.8	18.1
1959	2.4	9.5	7.0	1.9	0.8	1.3	1.1	0.4	0.6	0.2	0.6	0.5	26.3
1960	2.9	5.8	4.2	1.5	0.5	0.6	0.3	0.1	0.1	0.1	0.3	0.6	17.0
1961	1.4	6.6	3.3	1.1	0.8	0.0	0.1	0.1	0.1	0.1	0.2	0.2	14.0
1962	2.5	4.8	3.8	1.6	0.9	0.2	0.8	0.2	0.1	0.1	0.2	0.8	16.0
1963	1.1	3.7	1.9	1.4	1.0	0.6	0.2	0.1	0.1	0.1	0.1	0.5	10.6
1964	1.4	5.5	7.0	2.0	1.4	0.8	1.1	0.5	0.1	0.5	0.3	0.4	21.1
1965	2.8	5.9	3.8	1.3	1.1	0.4	0.6	0.2	0.1	0.1	0.2	0.5	17.0
1966	1.7	4.3	2.4	1.4	0.6	0.6	0.1	0.1	0.2	0.1	0.3	0.3	12.1
1967	1.2	5.3	5.7	0.9	0.7	0.4	0.1	0.1	0.1	0.1	0.4	0.9	15.8
1968	1.3	6.8	5.7	1.6	1.1	0.7	0.3	0.3	0.1	0.1	0.1	0.8	19.8
1969	3.6	9.2	3.2	1.4	0.8	0.3	0.4	0.3	0.1	0.1	0.5	0.5	20.2

KELOWNA CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.9	1.8	0.9	0.6	0.3	0.0	0.1	0.1	0.1	0.1	0.1	0.1	7.2
90%	1.2	3.3	1.8	0.8	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.2	10.0
80%	1.4	4.1	2.3	1.0	0.6	0.2	0.1	0.1	0.1	0.1	0.1	0.4	12.8
70%	1.5	4.7	2.8	1.1	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.4	15.2
60%	1.7	5.5	3.2	1.3	0.8	0.4	0.3	0.1	0.1	0.1	0.1	0.5	16.5
50%	2.1	6.0	3.9	1.4	0.8	0.4	0.3	0.1	0.1	0.1	0.2	0.5	17.0
40%	2.3	6.7	4.6	1.5	0.9	0.6	0.4	0.1	0.1	0.1	0.2	0.7	18.9
30%	2.7	7.2	5.0	1.6	1.1	0.6	0.4	0.2	0.1	0.1	0.3	0.7	20.2
20%	3.2	9.0	5.4	1.9	1.2	0.8	0.6	0.4	0.2	0.2	0.4	0.8	22.2
10%	4.0	10.6	6.9	2.3	1.5	1.1	0.9	0.6	0.3	0.4	0.5	0.9	24.5
0%	8.3	12.7	7.8	3.5	2.5	1.6	2.1	1.1	0.6	0.7	0.6	1.2	28.1
MEAN	2.3	6.4	4.0	1.5	0.9	0.5	0.4	0.2	0.1	0.1	0.2	0.6	17.4

POWERS CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	1.1	6.2	4.2	1.2	0.6	0.0	0.3	0.1	0.1	0.2	0.1	0.2	14.2
1922	1.0	4.7	4.0	0.8	0.5	0.6	0.3	0.1	0.1	0.1	0.1	0.8	13.0
1923	1.7	5.0	4.6	1.4	0.7	0.2	0.2	0.1	0.1	0.1	0.5	0.6	15.1
1924	0.9	4.0	1.4	0.5	0.5	0.1	0.3	0.1	0.1	0.1	0.3	0.4	8.6
1925	2.2	5.3	2.2	0.8	0.3	0.0	0.1	0.1	0.1	0.3	0.1	0.6	12.0
1926	1.8	2.4	0.8	0.7	0.3	0.0	0.3	0.1	0.1	0.1	0.1	0.2	6.8
1927	1.2	3.7	4.2	1.1	0.7	1.4	1.8	0.3	0.2	0.1	0.3	0.8	15.9
1928	2.4	10.4	3.8	2.2	0.5	0.3	0.2	0.9	0.1	0.1	0.1	0.6	21.6
1929	0.8	1.7	1.9	0.6	1.0	1.1	0.2	0.1	0.1	0.1	0.1	0.2	7.8
1930	1.7	1.5	1.7	0.7	0.7	0.3	0.1	0.1	0.1	0.1	0.1	0.4	7.3
1931	1.0	2.3	1.0	1.0	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.5	6.4
1932	2.2	5.8	3.6	0.8	0.9	0.3	0.1	0.4	0.1	0.1	0.1	0.4	14.7
1933	1.9	5.7	5.3	1.7	0.9	0.5	0.6	0.5	0.3	0.6	0.3	1.0	19.3
1934	6.9	4.1	1.5	1.1	0.9	0.1	0.3	0.6	0.1	0.1	0.3	0.8	16.9
1935	1.3	6.2	4.0	3.0	1.4	0.7	0.1	0.1	0.1	0.4	0.1	0.4	17.6
1936	2.8	5.3	2.7	1.1	0.7	0.3	0.3	0.1	0.1	0.1	0.1	0.4	13.9
1937	1.4	4.9	4.4	1.2	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.6	14.3
1938	2.2	5.5	2.3	1.0	0.5	0.5	0.1	0.1	0.1	0.1	0.1	0.5	12.9
1939	1.9	3.7	1.9	1.0	0.4	0.4	0.1	0.1	0.3	0.1	0.1	0.7	10.7
1940	1.8	3.3	1.5	0.6	0.3	0.5	0.1	0.1	0.1	0.1	0.1	0.6	9.0
1941	2.7	2.7	2.1	1.3	0.7	0.7	1.2	0.6	0.4	0.1	0.3	0.3	13.0
1942	2.7	6.1	4.6	1.9	0.7	0.3	0.1	0.1	0.1	0.1	0.3	0.1	17.0
1943	2.0	3.5	3.0	1.2	0.5	0.1	0.3	0.1	0.1	0.1	0.2	0.1	11.1
1944	1.2	3.3	3.2	1.0	0.7	0.4	0.5	0.2	0.1	0.1	0.2	0.3	11.1
1945	1.2	7.4	4.1	1.1	0.8	0.1	0.3	0.1	0.1	0.2	0.1	0.6	16.0
1946	2.9	9.3	4.3	1.2	0.9	0.1	0.1	0.1	0.1	0.1	0.1	0.7	19.9
1947	1.9	3.1	1.8	0.7	0.6	0.4	0.4	0.3	0.1	0.1	0.1	0.2	9.5
1948	1.6	9.8	5.8	1.6	2.0	0.8	0.8	0.1	0.1	0.1	0.1	0.6	23.3
1949	3.3	7.6	2.2	1.3	1.0	0.3	0.1	0.2	0.1	0.1	0.1	0.5	16.7
1950	1.4	6.3	6.6	1.4	1.3	0.2	0.4	0.1	0.2	0.1	0.5	0.4	18.9
1951	3.3	9.7	3.6	1.7	0.5	0.7	0.4	0.1	0.1	0.1	0.4	0.5	21.1
1952	3.5	7.6	2.7	1.6	0.8	0.5	0.4	0.1	0.1	0.3	0.3	0.3	18.2
1953	1.2	4.7	3.8	1.4	1.0	0.1	0.5	0.4	0.2	0.1	0.4	0.4	14.2
1954	1.0	6.9	4.8	2.5	1.3	1.1	0.6	1.0	0.2	0.1	0.1	0.4	19.9
1955	1.3	4.0	6.4	2.6	1.0	0.5	0.3	0.1	0.1	0.1	0.1	0.7	17.4
1956	3.4	8.7	4.2	1.6	1.1	0.4	0.4	0.1	0.1	0.1	0.1	0.5	20.6
1957	1.8	8.8	2.5	1.0	1.4	0.9	0.2	0.1	0.2	0.4	0.5	0.7	18.5
1958	1.8	7.0	2.5	1.2	0.7	0.3	0.4	0.1	0.2	0.1	0.1	0.7	15.0
1959	2.0	7.9	5.8	1.6	0.6	1.1	0.9	0.3	0.5	0.2	0.5	0.5	21.9
1960	2.4	4.9	3.5	1.2	0.5	0.5	0.2	0.1	0.1	0.1	0.3	0.5	14.3
1961	1.2	5.6	2.9	0.9	0.7	0.0	0.1	0.1	0.1	0.1	0.2	0.2	11.9
1962	2.1	4.0	3.2	1.3	0.8	0.1	0.7	0.2	0.1	0.1	0.2	0.7	13.5
1963	0.9	3.1	1.6	1.1	0.8	0.5	0.1	0.1	0.1	0.1	0.1	0.4	8.9
1964	1.2	4.6	5.9	1.7	1.2	0.7	1.0	0.4	0.1	0.4	0.2	0.4	17.9
1965	2.3	4.9	3.2	1.1	0.9	0.4	0.5	0.1	0.1	0.1	0.2	0.4	14.2
1966	1.4	3.6	2.1	1.2	0.5	0.5	0.1	0.1	0.1	0.1	0.3	0.3	10.2
1967	1.0	4.4	4.7	0.8	0.5	0.4	0.1	0.1	0.1	0.1	0.3	0.7	13.1
1968	1.1	5.8	4.8	1.3	0.9	0.6	0.2	0.3	0.1	0.1	0.1	0.7	15.9
1969	3.0	7.7	2.7	1.1	0.7	0.2	0.3	0.3	0.1	0.1	0.4	0.4	16.9

POWERS CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.8	1.5	0.8	0.5	0.3	0.0	0.1	0.1	0.1	0.1	0.1	0.1	6.4
90%	1.0	2.7	1.5	0.7	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.2	8.6
80%	1.2	3.5	1.9	0.8	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.3	10.7
70%	1.2	4.0	2.3	1.0	0.6	0.2	0.1	0.1	0.1	0.1	0.1	0.4	12.9
60%	1.4	4.7	2.7	1.1	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.4	13.9
50%	1.8	5.0	3.2	1.2	0.7	0.4	0.3	0.1	0.1	0.1	0.1	0.5	14.3
40%	1.9	5.7	3.8	1.2	0.8	0.5	0.3	0.1	0.1	0.1	0.2	0.5	15.9
30%	2.2	6.2	4.2	1.4	0.9	0.5	0.4	0.2	0.1	0.1	0.3	0.6	17.0
20%	2.7	7.6	4.6	1.6	1.0	0.7	0.5	0.3	0.2	0.1	0.3	0.7	18.5
10%	3.3	8.8	5.8	1.9	1.3	0.9	0.8	0.5	0.2	0.3	0.4	0.7	20.6
0%	6.9	10.4	6.6	3.0	2.0	1.4	1.8	1.0	0.5	0.6	0.5	1.0	23.3
MEAN	1.9	5.4	3.4	1.3	0.8	0.4	0.4	0.2	0.1	0.1	0.2	0.5	14.7

MCDOUGALL CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.6	3.0	1.9	0.5	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.1	6.6
1922	0.6	2.6	2.1	0.4	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.4	6.9
1923	0.6	1.5	1.3	0.4	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.2	4.4
1924	0.3	1.4	0.4	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	2.9
1925	0.5	1.2	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	2.6
1926	0.8	1.0	0.3	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.8
1927	0.4	1.1	1.2	0.3	0.2	0.4	0.5	0.1	0.1	0.0	0.1	0.2	4.6
1928	0.8	3.4	1.1	0.6	0.1	0.1	0.1	0.3	0.0	0.0	0.0	0.2	6.7
1929	0.2	0.4	0.5	0.1	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.1	1.9
1930	0.5	0.4	0.4	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.8
1931	0.3	0.5	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5
1932	0.7	1.7	1.0	0.2	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.1	4.3
1933	0.7	1.8	1.6	0.5	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.3	5.9
1934	2.3	1.1	0.4	0.3	0.3	0.0	0.1	0.2	0.0	0.0	0.1	0.2	5.0
1935	0.5	1.9	1.2	0.9	0.4	0.2	0.0	0.0	0.0	0.1	0.0	0.1	5.3
1936	0.9	1.6	0.7	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	4.0
1937	0.5	1.4	1.3	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	4.1
1938	0.7	1.6	0.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	3.6
1939	0.6	1.0	0.5	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.2	2.9
1940	0.5	0.9	0.4	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	2.3
1941	0.8	0.7	0.6	0.3	0.2	0.2	0.3	0.2	0.1	0.0	0.1	0.1	3.6
1942	0.9	1.9	1.3	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.0	5.1
1943	0.6	1.0	0.8	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	3.0
1944	0.4	0.9	0.9	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1	3.1
1945	0.4	2.3	1.2	0.3	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.2	4.7
1946	1.0	2.9	1.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	6.1
1947	0.6	0.8	0.5	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1	2.5
1948	0.6	3.2	1.8	0.4	0.6	0.2	0.2	0.0	0.0	0.0	0.0	0.2	7.4
1949	1.1	2.3	0.6	0.3	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.1	5.0
1950	0.5	1.9	2.0	0.3	0.3	0.0	0.1	0.0	0.1	0.0	0.2	0.1	5.6
1951	1.2	3.1	1.0	0.5	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.2	6.5
1952	1.2	2.4	0.8	0.4	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.1	5.5
1953	0.4	1.4	1.1	0.4	0.3	0.0	0.1	0.1	0.1	0.0	0.0	0.1	4.1
1954	0.4	2.2	1.4	0.7	0.4	0.3	0.2	0.3	0.1	0.0	0.0	0.1	6.1
1955	0.5	1.2	1.9	0.7	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.2	5.2
1956	1.2	2.7	1.2	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1	6.3
1957	0.6	2.8	0.7	0.2	0.4	0.2	0.1	0.0	0.1	0.1	0.2	0.2	5.6
1958	0.6	2.1	0.7	0.3	0.2	0.1	0.1	0.0	0.1	0.0	0.0	0.2	4.4
1959	0.7	2.6	1.8	0.4	0.2	0.3	0.3	0.1	0.1	0.1	0.1	0.1	6.9
1960	0.8	1.4	1.0	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	4.1
1961	0.4	1.6	0.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.3
1962	0.7	1.2	0.9	0.3	0.2	0.0	0.2	0.1	0.0	0.0	0.0	0.2	3.8
1963	0.3	0.8	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.3
1964	0.4	1.4	1.8	0.5	0.3	0.2	0.3	0.1	0.0	0.1	0.1	0.1	5.4
1965	0.8	1.5	0.9	0.3	0.3	0.1	0.2	0.0	0.0	0.0	0.0	0.1	4.2
1966	0.4	0.9	0.5	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	2.6
1967	0.3	1.3	1.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.2	3.7
1968	0.4	1.8	1.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.2	4.7
1969	1.0	2.3	0.7	0.3	0.2	0.0	0.1	0.1	0.0	0.0	0.1	0.1	5.0

MCDOUGALL CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.2	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
90%	0.3	0.8	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.3
80%	0.4	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.9
70%	0.5	1.2	0.6	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.6
60%	0.5	1.4	0.8	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	4.1
50%	0.6	1.5	0.9	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	4.4
40%	0.6	1.8	1.1	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	5.0
30%	0.7	2.1	1.2	0.4	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.2	5.3
20%	0.8	2.4	1.4	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.1	0.2	5.9
10%	1.1	2.9	1.8	0.5	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.2	6.6
0%	2.3	3.4	2.1	0.9	0.6	0.4	0.5	0.3	0.1	0.2	0.2	0.4	7.4
MEAN	0.6	1.7	1.0	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	4.4

MISSION CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	9.3	59.3	44.1	13.5	7.1	1.0	3.0	0.7	0.7	1.7	0.7	2.0	143.5
1922	9.1	46.6	42.9	10.2	6.4	6.4	2.9	0.8	0.8	0.8	0.8	8.1	135.4
1923	14.9	50.1	48.2	16.0	8.2	2.4	2.4	0.7	0.7	0.7	4.8	5.9	155.3
1924	8.6	44.4	18.1	7.2	6.4	1.4	3.2	0.8	0.8	0.8	3.8	4.9	100.5
1925	19.8	56.6	26.7	9.8	4.5	1.0	1.4	0.8	1.3	3.3	0.8	6.3	132.5
1926	18.5	30.2	11.3	9.4	4.1	1.0	3.7	1.4	0.8	0.8	0.8	2.0	84.0
1927	9.7	36.2	42.8	12.9	8.3	14.6	18.2	3.3	2.1	1.3	2.9	8.3	160.6
1928	19.0	96.0	40.3	23.7	6.9	4.4	1.8	8.4	0.7	0.7	0.7	5.4	207.9
1929	7.3	20.2	22.7	7.9	12.5	13.5	2.0	0.7	0.7	0.7	1.1	2.6	92.1
1930	16.7	19.3	20.8	9.8	9.3	4.3	0.8	0.8	0.8	0.8	0.8	4.5	88.4
1931	9.8	26.8	13.3	12.0	4.2	1.3	0.7	0.7	0.7	0.7	0.7	5.6	76.3
1932	19.0	57.5	38.5	9.8	10.0	4.0	1.5	4.2	0.7	0.7	0.7	4.2	150.8
1933	15.6	53.4	52.8	18.6	10.1	5.7	5.9	4.7	2.8	5.6	3.1	10.1	188.3
1934	57.6	45.7	18.9	12.6	13.7	1.5	2.9	6.3	1.2	0.8	3.5	8.1	169.9
1935	10.7	57.5	40.1	30.3	14.8	7.5	0.7	0.8	0.8	3.7	0.7	3.7	171.5
1936	24.2	55.0	30.1	12.9	8.0	3.4	3.1	0.7	1.5	0.7	0.7	4.4	145.0
1937	12.0	48.5	46.7	14.2	6.8	5.5	4.2	1.1	0.7	0.7	0.7	6.5	147.7
1938	19.9	57.3	27.5	11.7	6.3	6.1	1.0	0.7	0.7	1.2	0.7	5.0	138.5
1939	18.1	41.5	23.1	12.3	5.7	4.5	0.8	1.6	3.0	0.8	0.8	8.3	120.4
1940	18.4	39.4	19.5	8.4	4.8	6.1	0.8	0.8	0.8	1.6	0.8	7.2	108.5
1941	23.5	30.3	24.1	14.4	8.3	8.0	12.4	6.1	4.4	0.8	2.9	3.3	138.6
1942	22.0	59.2	47.4	21.1	8.7	4.0	0.7	0.7	0.8	0.7	3.1	1.3	169.8
1943	17.9	37.9	33.8	13.8	6.5	2.1	3.7	0.7	0.7	0.7	1.9	0.7	120.8
1944	11.0	34.9	36.3	11.7	8.3	5.1	5.7	2.5	0.8	0.8	1.7	3.2	122.1
1945	10.2	70.6	42.7	12.6	8.8	1.6	3.5	0.8	1.1	1.8	0.8	6.3	160.6
1946	23.6	87.0	44.5	14.2	10.4	2.4	0.7	0.7	0.7	0.7	1.2	6.3	192.6
1947	17.4	35.1	21.6	8.6	7.8	4.6	4.1	3.1	0.8	0.8	0.8	2.1	107.0
1948	12.3	87.0	56.6	17.1	20.6	9.0	7.3	0.7	0.7	0.7	1.2	5.6	218.8
1949	24.8	67.2	22.9	13.3	10.4	3.3	0.7	1.6	0.7	0.7	0.7	4.5	150.9
1950	9.8	50.4	55.7	13.1	11.8	2.5	3.1	0.7	1.7	0.7	4.5	3.5	157.5
1951	21.3	72.5	31.2	14.8	4.8	6.2	2.9	1.1	0.6	0.6	3.1	4.2	163.4
1952	27.8	72.6	29.7	17.1	9.0	5.7	3.8	0.7	0.7	3.0	3.0	3.2	176.5
1953	11.2	50.8	44.8	17.2	13.0	2.4	5.2	5.1	2.2	0.8	4.3	4.2	161.1
1954	8.9	66.9	50.4	27.5	14.7	12.4	5.9	10.0	2.1	0.8	0.8	3.6	204.0
1955	9.3	32.4	53.5	23.2	9.2	5.1	2.9	0.7	1.1	1.1	0.7	5.9	145.0
1956	22.5	68.5	36.9	14.7	10.3	3.9	2.9	0.6	0.8	0.6	1.1	3.8	166.4
1957	12.9	74.7	25.5	10.0	13.1	8.6	1.5	1.1	1.8	3.9	4.7	5.9	163.8
1958	13.6	61.5	25.2	12.5	7.0	3.6	3.4	0.7	1.9	0.7	0.7	6.4	137.0
1959	18.1	82.0	64.9	19.4	8.4	13.2	9.7	3.4	5.0	2.0	5.1	4.9	236.1
1960	20.1	47.8	36.4	13.7	5.5	6.1	2.4	1.0	0.7	0.7	2.6	4.6	141.6
1961	11.3	59.2	33.7	12.0	8.5	1.0	0.7	0.7	0.7	0.7	1.8	2.1	132.6
1962	15.3	34.7	29.3	12.8	7.5	1.7	5.7	1.6	0.7	0.7	1.5	5.8	117.5
1963	12.5	47.4	27.1	19.4	14.0	8.7	2.2	1.8	1.0	1.0	1.0	6.6	142.3
1964	12.0	53.8	72.2	22.8	16.2	9.8	11.7	5.3	0.9	4.7	3.0	4.4	216.5
1965	28.9	72.6	50.8	18.8	15.5	6.8	8.0	2.2	1.0	1.0	2.3	5.9	213.4
1966	13.1	39.8	24.7	14.2	6.8	6.6	0.8	1.0	1.6	0.9	2.9	3.2	115.6
1967	8.8	45.4	51.0	10.0	6.8	4.7	0.7	0.7	0.7	0.7	3.2	7.8	140.4
1968	8.8	55.0	49.1	15.0	10.4	6.5	2.2	2.6	0.7	0.7	0.7	7.0	158.9
1969	24.8	75.2	30.2	13.3	7.8	3.1	3.0	2.7	0.8	0.8	4.0	4.4	170.1

MISSION CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	7.3	19.3	11.3	7.2	4.1	1.0	0.7	0.6	0.6	0.6	0.7	0.7	76.3
90%	8.9	30.3	19.5	9.4	4.8	1.3	0.7	0.7	0.7	0.7	0.7	2.1	100.5
80%	9.7	36.2	23.1	10.0	6.4	2.1	0.8	0.7	0.7	0.7	0.7	3.2	120.4
70%	11.2	44.4	26.7	12.0	6.9	3.1	1.5	0.7	0.7	0.7	0.8	3.8	135.4
60%	12.5	47.8	30.1	12.8	7.8	4.0	2.4	0.8	0.8	0.7	0.8	4.4	141.6
50%	15.3	53.4	36.3	13.3	8.3	4.6	2.9	1.0	0.8	0.8	1.2	4.9	147.7
40%	18.1	57.3	40.3	14.2	9.0	5.7	3.1	1.4	0.8	0.8	1.9	5.6	158.9
30%	19.0	59.3	44.5	15.0	10.3	6.2	3.7	2.2	1.1	1.0	2.9	5.9	163.8
20%	22.0	70.6	49.1	18.6	11.8	7.5	5.7	3.3	1.7	1.6	3.1	6.5	171.5
10%	24.8	75.2	53.5	22.8	14.7	9.8	8.0	5.3	2.2	3.3	4.3	8.1	207.9
0%	57.6	96.0	72.2	30.3	20.6	14.6	18.2	10.0	5.0	5.6	5.1	10.1	236.1
MEAN	16.6	53.3	36.3	14.5	9.1	5.2	3.6	2.1	1.2	1.3	1.9	5.0	150.2

TREPANIER CREEK

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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	2.1	12.1	8.3	2.2	1.1	0.1	0.6	0.1	0.1	0.3	0.1	0.4	27.7
1922	2.0	9.1	7.9	1.6	1.0	1.1	0.5	0.1	0.1	0.1	0.1	1.5	25.3
1923	3.4	9.8	9.0	2.7	1.3	0.3	0.5	0.1	0.1	0.1	0.9	1.1	29.4
1924	1.8	8.0	2.9	1.0	1.0	0.2	0.6	0.1	0.1	0.1	0.7	0.8	17.3
1925	4.2	10.3	4.4	1.4	0.6	0.1	0.3	0.1	0.2	0.6	0.1	1.1	23.4
1926	3.8	5.1	1.7	1.4	0.6	0.1	0.6	0.2	0.1	0.1	0.1	0.3	14.2
1927	2.3	7.2	8.2	2.2	1.4	2.7	3.5	0.6	0.4	0.3	0.6	1.6	31.0
1928	4.6	20.2	7.5	4.3	1.0	0.6	0.4	1.7	0.1	0.1	0.1	1.1	41.7
1929	1.5	3.6	3.8	1.2	2.1	2.2	0.3	0.1	0.1	0.1	0.2	0.5	15.8
1930	3.4	3.1	3.4	1.5	1.5	0.6	0.1	0.1	0.1	0.1	0.1	0.8	15.8
1931	2.0	4.7	2.1	2.0	0.6	0.2	0.1	0.1	0.1	0.1	0.1	1.0	13.2
1932	4.3	11.3	7.0	1.5	1.7	0.6	0.3	0.8	0.1	0.1	0.1	0.8	28.7
1933	3.7	11.0	10.3	3.3	1.7	0.9	1.2	0.9	0.6	1.1	0.6	2.0	37.4
1934	13.4	8.0	3.1	2.1	1.8	0.1	0.6	1.2	0.2	0.1	0.7	1.6	32.9
1935	2.6	12.1	7.8	5.8	2.7	1.3	0.1	0.2	0.2	0.7	0.1	0.7	34.3
1936	5.4	10.5	5.3	2.1	1.3	0.5	0.6	0.1	0.3	0.1	0.1	0.8	27.2
1937	2.7	9.6	8.7	2.4	1.1	0.9	0.8	0.2	0.1	0.1	0.1	1.2	28.0
1938	4.4	10.8	4.7	1.8	0.9	1.0	0.2	0.1	0.1	0.2	0.1	0.9	25.3
1939	3.8	7.3	3.8	1.9	0.8	0.7	0.1	0.3	0.5	0.1	0.1	1.4	20.9
1940	3.7	6.7	3.0	1.2	0.7	0.9	0.1	0.1	0.1	0.3	0.1	1.2	18.1
1941	5.1	5.4	4.2	2.4	1.4	1.3	2.3	1.1	0.8	0.1	0.5	0.6	25.4
1942	5.1	11.8	9.0	3.7	1.4	0.6	0.1	0.1	0.1	0.1	0.6	0.3	33.1
1943	3.9	6.9	5.9	2.2	1.0	0.3	0.7	0.1	0.1	0.1	0.3	0.1	21.8
1944	2.3	6.4	6.4	1.9	1.3	0.8	1.0	0.5	0.1	0.1	0.3	0.6	21.8
1945	2.4	14.5	8.0	2.0	1.5	0.1	0.7	0.1	0.2	0.3	0.1	1.2	31.2
1946	5.7	18.2	8.4	2.3	1.8	0.3	0.1	0.1	0.1	0.1	0.2	1.3	38.8
1947	3.7	6.3	3.6	1.3	1.3	0.7	0.7	0.5	0.1	0.1	0.1	0.4	19.0
1948	3.0	19.0	11.3	3.0	4.0	1.6	1.5	0.1	0.1	0.1	0.3	1.2	45.2
1949	6.4	14.9	4.3	2.5	2.0	0.5	0.1	0.4	0.1	0.1	0.1	1.0	32.6
1950	2.7	12.3	12.9	2.6	2.5	0.4	0.7	0.2	0.4	0.2	1.1	0.8	36.6
1951	6.4	18.8	7.2	3.2	0.9	1.3	0.7	0.3	0.1	0.1	0.8	1.1	40.9
1952	6.7	14.9	5.4	3.0	1.5	0.9	0.8	0.1	0.1	0.6	0.6	0.6	35.3
1953	2.3	9.2	7.6	2.7	2.0	0.2	0.9	0.9	0.4	0.1	0.7	0.7	27.8
1954	2.0	13.4	9.3	4.9	2.5	2.1	1.1	1.9	0.4	0.1	0.1	0.7	38.7
1955	2.6	7.8	12.6	5.1	1.9	1.0	0.7	0.2	0.3	0.3	0.2	1.4	33.9
1956	6.4	16.9	8.3	3.0	2.2	0.7	0.7	0.2	0.2	0.2	0.3	0.9	39.9
1957	3.4	17.2	5.0	1.8	2.6	1.7	0.3	0.2	0.4	0.9	1.0	1.3	36.0
1958	3.5	13.8	5.0	2.3	1.3	0.6	0.7	0.1	0.4	0.1	0.1	1.4	29.4
1959	1.8	7.3	5.4	1.4	0.6	1.0	0.8	0.3	0.4	0.2	0.4	0.4	20.1
1960	4.9	9.9	7.1	2.4	0.9	1.1	0.5	0.2	0.1	0.1	0.5	0.9	28.7
1961	2.1	9.6	5.0	1.6	1.1	0.0	0.1	0.1	0.1	0.1	0.3	0.3	20.6
1962	3.1	5.9	4.8	2.0	1.1	0.2	1.0	0.3	0.1	0.1	0.3	1.0	19.8
1963	3.3	10.9	5.7	4.0	2.9	1.7	0.5	0.4	0.2	0.2	0.2	1.5	31.5
1964	1.6	6.3	8.0	2.3	1.6	1.0	1.3	0.6	0.1	0.5	0.3	0.5	24.1
1965	3.7	8.0	5.3	1.8	1.5	0.6	0.9	0.2	0.1	0.1	0.3	0.6	23.0
1966	2.7	7.1	4.1	2.3	1.0	1.0	0.1	0.2	0.3	0.2	0.5	0.6	20.0
1967	1.9	8.7	9.3	1.5	1.0	0.7	0.1	0.1	0.1	0.1	0.6	1.4	25.7
1968	2.1	11.3	9.4	2.6	1.8	1.1	0.4	0.5	0.1	0.1	0.1	1.4	31.0
1969	5.8	15.0	5.3	2.2	1.3	0.4	0.6	0.5	0.1	0.1	0.8	0.9	33.0

TREPANIER CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	1.5	3.1	1.7	1.0	0.6	0.0	0.1	0.1	0.1	0.1	0.1	0.1	13.2
90%	1.9	5.4	3.1	1.4	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.4	17.3
80%	2.1	6.7	4.1	1.5	1.0	0.2	0.1	0.1	0.1	0.1	0.1	0.6	20.1
70%	2.4	7.3	4.8	1.8	1.0	0.4	0.3	0.1	0.1	0.1	0.1	0.7	23.0
60%	2.7	8.7	5.3	2.0	1.3	0.6	0.5	0.1	0.1	0.1	0.1	0.8	25.4
50%	3.4	9.8	5.9	2.2	1.3	0.7	0.6	0.2	0.1	0.1	0.3	0.9	28.0
40%	3.7	10.9	7.5	2.3	1.5	0.9	0.7	0.2	0.1	0.1	0.3	1.1	31.0
30%	4.2	12.1	8.0	2.6	1.7	1.0	0.7	0.4	0.2	0.2	0.5	1.2	32.9
20%	5.1	14.5	8.7	3.0	2.0	1.1	0.9	0.5	0.4	0.3	0.6	1.4	35.3
10%	6.4	17.2	9.4	4.0	2.5	1.7	1.2	0.9	0.4	0.6	0.8	1.5	38.8
0%	13.4	20.2	12.9	5.8	4.0	2.7	3.5	1.9	0.8	1.1	1.1	2.0	45.2
MEAN	3.7	10.4	6.5	2.4	1.5	0.8	0.6	0.4	0.2	0.2	0.4	0.9	28.0

LOW AREA 7
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1922	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1923	0.1	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1924	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1925	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
1926	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1927	0.1	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.9
1928	0.2	0.8	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	1.6
1929	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1930	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1931	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1932	0.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1933	0.2	0.4	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
1934	0.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
1935	0.1	0.4	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
1936	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1937	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1938	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1939	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1940	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1941	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.7
1942	0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1943	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1944	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1945	0.1	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1946	0.2	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
1947	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1948	0.2	0.9	0.5	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.9
1949	0.3	0.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
1950	0.1	0.4	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
1951	0.3	0.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
1952	0.3	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
1953	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1954	0.1	0.5	0.3	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	1.3
1955	0.1	0.3	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
1956	0.3	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
1957	0.1	0.6	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
1958	0.1	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1959	0.2	0.6	0.4	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.6
1960	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1961	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
1962	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1963	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1964	0.1	0.3	0.4	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.1
1965	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1966	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1967	0.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1968	0.1	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1969	0.2	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1

LOW AREA 7

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
90%	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
80%	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
70%	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
60%	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
50%	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
40%	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
30%	0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
20%	0.2	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
10%	0.3	0.6	0.4	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.4
0%	0.6	0.9	0.5	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	1.9
MEAN	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9

PEACHLAND CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	1.2	6.3	4.3	1.0	0.5	0.0	0.3	0.1	0.1	0.2	0.1	0.2	14.2
1922	0.9	3.8	3.2	0.6	0.4	0.4	0.2	0.1	0.1	0.1	0.1	0.6	10.3
1923	1.8	5.1	4.6	1.2	0.6	0.1	0.2	0.1	0.1	0.1	0.5	0.6	15.0
1924	0.9	4.0	1.4	0.4	0.4	0.0	0.3	0.1	0.1	0.1	0.3	0.4	8.4
1925	2.2	5.2	2.1	0.6	0.2	0.0	0.1	0.1	0.1	0.3	0.1	0.5	11.6
1926	2.0	2.5	0.8	0.7	0.2	0.0	0.3	0.1	0.1	0.1	0.1	0.2	7.0
1927	1.2	3.8	4.3	1.0	0.7	1.3	1.8	0.3	0.2	0.1	0.3	0.8	15.9
1928	2.5	10.8	3.9	2.1	0.4	0.3	0.2	0.9	0.1	0.1	0.1	0.6	21.8
1929	0.8	1.8	1.9	0.6	1.0	1.1	0.2	0.1	0.1	0.1	0.1	0.2	7.8
1930	1.8	1.5	1.7	0.7	0.7	0.3	0.1	0.1	0.1	0.1	0.1	0.4	7.3
1931	1.0	2.4	1.0	0.9	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.5	6.5
1932	2.4	5.9	3.6	0.6	0.8	0.2	0.1	0.4	0.1	0.1	0.1	0.4	14.7
1933	2.1	5.8	5.4	1.6	0.8	0.4	0.6	0.5	0.3	0.6	0.3	1.0	19.5
1934	7.3	4.0	1.5	0.9	0.9	0.0	0.3	0.6	0.1	0.1	0.3	0.8	16.9
1935	1.4	6.4	4.0	2.9	1.3	0.6	0.1	0.1	0.1	0.4	0.1	0.4	17.8
1936	2.9	5.4	2.7	1.0	0.6	0.2	0.3	0.1	0.1	0.1	0.1	0.4	13.8
1937	1.5	5.0	4.5	1.1	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.6	14.2
1938	2.3	5.5	2.3	0.8	0.4	0.4	0.1	0.1	0.1	0.1	0.1	0.5	12.7
1939	2.0	3.6	1.8	0.9	0.4	0.3	0.1	0.1	0.3	0.1	0.1	0.7	10.2
1940	1.9	3.3	1.5	0.5	0.3	0.4	0.1	0.1	0.1	0.1	0.1	0.6	8.9
1941	2.7	2.7	2.1	1.1	0.6	0.6	1.1	0.6	0.4	0.1	0.3	0.3	12.7
1942	2.8	6.2	4.6	1.8	0.6	0.2	0.1	0.1	0.1	0.1	0.3	0.1	17.0
1943	2.0	3.5	3.0	1.0	0.4	0.1	0.3	0.1	0.1	0.1	0.2	0.1	10.8
1944	1.2	3.3	3.2	0.8	0.6	0.4	0.5	0.2	0.1	0.1	0.2	0.3	10.8
1945	1.3	7.7	4.1	0.9	0.7	0.0	0.3	0.1	0.1	0.2	0.1	0.6	16.1
1946	3.2	9.7	4.3	1.0	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.7	20.2
1947	2.0	3.2	1.8	0.6	0.6	0.3	0.4	0.3	0.1	0.1	0.1	0.2	9.4
1948	1.7	10.2	5.9	1.4	2.0	0.7	0.8	0.1	0.1	0.1	0.1	0.6	23.7
1949	3.5	7.8	2.1	1.2	0.9	0.2	0.1	0.2	0.1	0.1	0.1	0.5	16.7
1950	1.5	6.5	6.8	1.2	1.2	0.1	0.4	0.1	0.2	0.1	0.5	0.4	19.0
1951	3.6	10.0	3.7	1.5	0.3	0.6	0.4	0.1	0.1	0.1	0.4	0.6	21.4
1952	3.7	7.8	2.7	1.4	0.7	0.4	0.4	0.1	0.1	0.3	0.3	0.3	18.2
1953	1.3	4.8	3.9	1.3	1.0	0.1	0.5	0.4	0.2	0.1	0.4	0.4	14.1
1954	1.1	7.2	4.9	2.4	1.2	1.0	0.6	1.0	0.2	0.1	0.1	0.4	20.2
1955	1.4	4.2	6.6	2.5	0.9	0.4	0.3	0.1	0.1	0.1	0.1	0.7	17.6
1956	3.6	9.0	4.3	1.4	1.0	0.3	0.4	0.1	0.1	0.1	0.1	0.5	20.8
1957	1.9	9.1	2.5	0.8	1.3	0.8	0.2	0.1	0.2	0.4	0.5	0.7	18.6
1958	1.9	7.2	2.5	1.1	0.6	0.3	0.4	0.1	0.2	0.1	0.1	0.7	14.9
1959	2.2	8.3	6.0	1.4	0.5	1.1	0.9	0.3	0.5	0.2	0.5	0.5	22.2
1960	2.6	4.9	3.5	1.1	0.4	0.5	0.2	0.1	0.1	0.1	0.3	0.5	14.1
1961	1.3	5.6	2.8	0.8	0.6	0.0	0.1	0.1	0.1	0.1	0.2	0.2	11.7
1962	2.2	4.1	3.2	1.2	0.7	0.1	0.6	0.2	0.1	0.1	0.2	0.7	13.3
1963	1.0	3.1	1.6	1.1	0.8	0.4	0.1	0.1	0.1	0.1	0.1	0.4	8.7
1964	1.3	4.8	6.1	1.6	1.1	0.7	1.0	0.4	0.1	0.4	0.2	0.4	18.1
1965	2.4	5.0	3.2	1.0	0.9	0.3	0.5	0.1	0.1	0.1	0.2	0.4	14.2
1966	1.4	3.5	2.0	1.0	0.5	0.5	0.1	0.1	0.1	0.1	0.2	0.3	9.8
1967	1.0	4.5	4.7	0.6	0.5	0.3	0.1	0.1	0.1	0.1	0.3	0.7	12.9
1968	1.1	6.0	4.9	1.2	0.9	0.5	0.2	0.3	0.1	0.1	0.1	0.7	16.0
1969	3.1	7.9	2.7	1.0	0.6	0.1	0.3	0.3	0.1	0.1	0.4	0.4	16.9

PEACHLAND CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.8	1.5	0.8	0.4	0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.1	6.5
90%	1.0	2.7	1.5	0.6	0.3	0.0	0.1	0.1	0.1	0.1	0.1	0.2	8.4
80%	1.2	3.5	1.9	0.7	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.3	10.2
70%	1.3	4.0	2.3	0.9	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.4	11.7
60%	1.5	4.8	2.7	1.0	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.4	13.8
50%	1.9	5.1	3.2	1.0	0.6	0.3	0.3	0.1	0.1	0.1	0.1	0.5	14.2
40%	2.0	5.8	3.9	1.1	0.7	0.4	0.3	0.1	0.1	0.1	0.2	0.5	16.0
30%	2.3	6.4	4.3	1.2	0.8	0.4	0.4	0.2	0.1	0.1	0.3	0.6	17.0
20%	2.7	7.8	4.6	1.4	0.9	0.6	0.5	0.3	0.2	0.1	0.3	0.7	18.6
10%	3.5	9.1	5.9	1.8	1.2	0.8	0.8	0.5	0.2	0.3	0.4	0.7	20.8
0%	7.3	10.8	6.8	2.9	2.0	1.3	1.8	1.0	0.5	0.6	0.5	1.0	23.7
MEAN	2.0	5.5	3.4	1.1	0.7	0.4	0.3	0.2	0.1	0.1	0.2	0.5	14.6

BELLEVUE CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.8	5.7	4.5	1.4	0.7	0.1	0.3	0.1	0.1	0.2	0.1	0.2	14.2
1922	0.9	5.0	4.8	1.1	0.7	0.7	0.3	0.1	0.1	0.1	0.1	0.9	14.7
1923	1.4	5.3	5.3	1.7	0.9	0.3	0.3	0.1	0.1	0.1	0.5	0.6	16.5
1924	0.8	4.9	2.2	0.8	0.7	0.2	0.4	0.1	0.1	0.1	0.4	0.6	11.3
1925	1.9	6.1	3.1	1.1	0.5	0.1	0.2	0.1	0.1	0.4	0.1	0.7	14.3
1926	1.9	3.5	1.4	1.1	0.5	0.1	0.4	0.2	0.1	0.1	0.1	0.2	9.6
1927	0.9	3.8	4.6	1.4	0.9	1.6	1.9	0.3	0.2	0.1	0.3	0.9	17.0
1928	1.7	9.7	4.4	2.5	0.8	0.5	0.2	0.9	0.1	0.1	0.1	0.6	21.4
1929	0.7	2.3	2.6	0.9	1.4	1.5	0.2	0.1	0.1	0.1	0.1	0.3	10.4
1930	1.7	2.3	2.5	1.1	1.1	0.5	0.1	0.1	0.1	0.1	0.1	0.5	10.1
1931	1.0	3.0	1.6	1.4	0.5	0.2	0.1	0.1	0.1	0.1	0.1	0.6	8.7
1932	1.8	6.1	4.3	1.1	1.1	0.4	0.2	0.5	0.1	0.1	0.1	0.4	16.1
1933	1.4	5.5	5.7	2.0	1.1	0.6	0.6	0.5	0.3	0.6	0.3	1.1	19.7
1934	5.4	5.2	2.3	1.4	1.2	0.2	0.3	0.7	0.1	0.1	0.4	0.8	17.9
1935	1.0	6.0	4.4	3.2	1.6	0.8	0.1	0.1	0.1	0.4	0.1	0.4	18.2
1936	2.3	5.9	3.4	1.4	0.9	0.4	0.3	0.1	0.2	0.1	0.1	0.5	15.6
1937	1.1	5.1	5.1	1.6	0.8	0.6	0.5	0.1	0.1	0.1	0.1	0.7	15.8
1938	1.9	6.1	3.2	1.3	0.7	0.7	0.1	0.1	0.1	0.1	0.1	0.5	14.9
1939	1.7	4.5	2.7	1.4	0.6	0.5	0.1	0.2	0.3	0.1	0.1	0.9	13.1
1940	1.8	4.4	2.3	1.0	0.5	0.7	0.1	0.1	0.1	0.2	0.1	0.8	12.0
1941	2.2	3.4	2.7	1.6	0.9	0.9	1.3	0.7	0.5	0.1	0.3	0.4	14.9
1942	2.0	6.2	5.2	2.3	1.0	0.4	0.1	0.1	0.1	0.1	0.3	0.1	17.9
1943	1.7	4.2	3.9	1.6	0.7	0.3	0.4	0.1	0.1	0.1	0.2	0.1	13.3
1944	1.1	3.8	4.1	1.3	0.9	0.6	0.6	0.3	0.1	0.1	0.2	0.3	13.4
1945	1.0	7.3	4.7	1.4	1.0	0.2	0.4	0.1	0.1	0.2	0.1	0.7	17.1
1946	2.2	9.0	4.9	1.5	1.1	0.3	0.1	0.1	0.1	0.1	0.1	0.7	20.1
1947	1.7	4.0	2.6	1.0	0.9	0.5	0.5	0.3	0.1	0.1	0.1	0.2	12.0
1948	1.1	8.8	6.1	1.8	2.2	1.0	0.8	0.1	0.1	0.1	0.1	0.6	22.6
1949	2.6	7.9	3.0	1.6	1.3	0.4	0.1	0.2	0.1	0.1	0.1	0.5	17.9
1950	1.0	5.8	6.7	1.6	1.4	0.3	0.4	0.1	0.2	0.1	0.5	0.4	18.6
1951	1.7	6.5	3.0	1.4	0.5	0.6	0.3	0.1	0.1	0.1	0.3	0.4	14.7
1952	2.2	6.4	2.8	1.5	0.8	0.5	0.3	0.1	0.1	0.3	0.3	0.3	15.5
1953	0.7	3.5	3.2	1.2	0.9	0.2	0.4	0.4	0.2	0.1	0.3	0.3	11.2
1954	0.5	3.8	3.0	1.6	0.9	0.7	0.3	0.6	0.1	0.0	0.0	0.2	11.8
1955	0.8	3.0	5.1	2.2	0.9	0.5	0.3	0.1	0.1	0.1	0.1	0.6	13.6
1956	1.6	5.6	3.2	1.2	0.9	0.3	0.2	0.1	0.1	0.1	0.1	0.3	13.6
1957	0.8	5.1	1.9	0.7	0.9	0.6	0.1	0.1	0.1	0.3	0.3	0.4	11.5
1958	1.5	7.4	3.3	1.6	0.9	0.5	0.4	0.1	0.2	0.1	0.1	0.8	16.7
1959	1.5	7.4	6.1	1.8	0.8	1.2	0.9	0.3	0.5	0.2	0.5	0.5	21.6
1960	2.0	5.4	4.3	1.6	0.7	0.7	0.3	0.1	0.1	0.1	0.3	0.5	16.0
1961	1.0	6.0	3.7	1.3	0.9	0.1	0.1	0.1	0.1	0.1	0.2	0.2	13.8
1962	1.8	4.6	4.0	1.7	1.0	0.2	0.7	0.2	0.1	0.1	0.2	0.8	15.5
1963	0.9	3.7	2.2	1.5	1.1	0.7	0.2	0.1	0.1	0.1	0.1	0.5	11.2
1964	0.9	4.5	6.2	2.0	1.4	0.9	1.0	0.4	0.1	0.4	0.3	0.4	18.4
1965	1.8	5.2	3.8	1.4	1.1	0.5	0.6	0.2	0.1	0.1	0.2	0.4	15.3
1966	1.3	4.3	2.8	1.6	0.8	0.7	0.1	0.1	0.2	0.1	0.3	0.4	12.7
1967	0.8	4.8	5.6	1.1	0.8	0.5	0.1	0.1	0.1	0.1	0.3	0.8	15.0
1968	0.8	5.7	5.4	1.6	1.1	0.7	0.2	0.3	0.1	0.1	0.1	0.7	16.9
1969	2.3	7.9	3.4	1.4	0.9	0.4	0.3	0.3	0.1	0.1	0.4	0.5	17.9

BELLEVUE CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.5	2.3	1.4	0.7	0.5	0.1	0.1	0.1	0.1	0.0	0.0	0.1	8.7
90%	0.8	3.4	2.2	1.0	0.5	0.2	0.1	0.1	0.1	0.1	0.1	0.2	11.2
80%	0.9	3.8	2.6	1.1	0.7	0.2	0.1	0.1	0.1	0.1	0.1	0.3	12.0
70%	1.0	4.4	3.0	1.3	0.8	0.3	0.2	0.1	0.1	0.1	0.1	0.4	13.4
60%	1.1	4.9	3.2	1.4	0.9	0.4	0.2	0.1	0.1	0.1	0.1	0.4	14.3
50%	1.5	5.2	3.7	1.4	0.9	0.5	0.3	0.1	0.1	0.1	0.1	0.5	15.0
40%	1.7	5.7	4.3	1.6	0.9	0.6	0.3	0.1	0.1	0.1	0.2	0.6	15.8
30%	1.8	6.0	4.6	1.6	1.0	0.7	0.4	0.2	0.1	0.1	0.3	0.6	16.9
20%	1.9	6.4	5.1	1.7	1.1	0.7	0.5	0.3	0.2	0.2	0.3	0.7	17.9
10%	2.2	7.9	5.7	2.0	1.4	0.9	0.8	0.5	0.2	0.3	0.4	0.8	19.7
0%	5.4	9.7	6.7	3.2	2.2	1.6	1.9	0.9	0.5	0.6	0.5	1.1	22.6
MEAN	1.5	5.3	3.8	1.5	0.9	0.5	0.4	0.2	0.1	0.1	0.2	0.5	15.1

LOW AREA 6
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	1.8	9.5	5.3	1.4	0.7	0.0	0.4	0.1	0.1	0.2	0.1	0.3	20.8
1922	1.7	7.1	6.0	0.9	0.6	0.7	0.4	0.1	0.1	0.1	0.1	1.1	18.8
1923	2.8	7.7	6.9	1.7	0.8	0.1	0.3	0.1	0.1	0.1	0.7	0.8	22.3
1924	1.4	5.9	2.0	0.6	0.6	0.0	0.4	0.1	0.1	0.1	0.5	0.6	12.1
1925	3.4	7.8	3.2	0.8	0.3	0.0	0.2	0.1	0.2	0.4	0.1	0.8	17.1
1926	2.9	3.6	1.1	0.9	0.3	0.0	0.4	0.2	0.1	0.1	0.1	0.2	9.9
1927	1.9	5.7	6.4	1.4	0.9	1.9	2.7	0.5	0.3	0.2	0.4	1.2	23.5
1928	3.9	16.5	5.8	2.9	0.5	0.3	0.3	1.3	0.1	0.1	0.1	0.8	32.7
1929	1.2	2.6	2.8	0.7	1.4	1.5	0.2	0.1	0.1	0.1	0.1	0.3	11.2
1930	2.6	2.2	2.4	0.9	0.9	0.4	0.1	0.1	0.1	0.1	0.1	0.5	10.5
1931	1.6	3.4	1.5	1.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.7	9.3
1932	3.6	8.8	5.3	0.8	1.1	0.3	0.2	0.6	0.1	0.1	0.1	0.6	21.7
1933	3.2	8.8	8.2	2.2	1.1	0.6	0.9	0.7	0.4	0.9	0.5	1.6	29.0
1934	11.3	5.9	2.2	1.3	1.2	0.0	0.4	0.9	0.2	0.1	0.5	1.2	25.1
1935	2.2	9.7	6.0	4.2	1.8	0.8	0.1	0.1	0.1	0.6	0.1	0.6	26.3
1936	4.5	8.1	3.9	1.3	0.8	0.2	0.4	0.1	0.2	0.1	0.1	0.6	20.4
1937	2.3	7.5	6.7	1.5	0.6	0.5	0.6	0.2	0.1	0.1	0.1	0.9	21.0
1938	3.6	8.3	3.4	1.1	0.5	0.6	0.1	0.1	0.1	0.2	0.1	0.7	18.8
1939	3.0	5.4	2.7	1.2	0.5	0.4	0.1	0.2	0.4	0.1	0.1	1.0	15.1
1940	2.8	4.8	2.1	0.7	0.4	0.6	0.1	0.1	0.1	0.2	0.1	0.8	12.7
1941	4.2	4.0	3.1	1.6	0.9	0.9	1.7	0.8	0.6	0.1	0.4	0.4	18.8
1942	4.3	9.3	6.9	2.5	0.8	0.3	0.1	0.1	0.1	0.1	0.5	0.2	25.3
1943	3.1	5.2	4.4	1.4	0.6	0.1	0.5	0.1	0.1	0.1	0.2	0.1	15.8
1944	1.9	4.8	4.7	1.1	0.8	0.5	0.7	0.3	0.1	0.1	0.2	0.4	15.8
1945	2.0	11.5	6.1	1.2	0.9	0.0	0.5	0.1	0.2	0.3	0.1	0.9	23.7
1946	4.9	14.7	6.5	1.3	1.1	0.0	0.1	0.1	0.1	0.1	0.2	1.0	30.2
1947	2.9	4.5	2.6	0.8	0.8	0.4	0.5	0.4	0.1	0.1	0.1	0.3	13.4
1948	2.7	15.9	9.1	1.9	2.9	1.0	1.2	0.1	0.1	0.1	0.2	0.9	36.2
1949	5.4	11.7	3.2	1.6	1.3	0.2	0.1	0.3	0.1	0.1	0.1	0.7	24.8
1950	2.3	9.9	10.1	1.6	1.7	0.1	0.6	0.1	0.3	0.1	0.8	0.6	28.2
1951	5.5	15.3	5.5	2.1	0.3	0.9	0.6	0.2	0.1	0.1	0.6	0.8	32.0
1952	5.7	11.8	4.1	2.0	0.9	0.5	0.6	0.1	0.1	0.5	0.5	0.5	27.2
1953	1.9	7.1	5.8	1.8	1.3	0.0	0.7	0.7	0.3	0.1	0.6	0.5	20.8
1954	1.7	10.9	7.4	3.5	1.7	1.5	0.9	1.5	0.3	0.1	0.1	0.5	30.1
1955	2.2	6.2	9.9	3.6	1.2	0.6	0.5	0.1	0.2	0.2	0.1	1.1	25.9
1956	5.5	13.6	6.4	1.9	1.4	0.3	0.5	0.1	0.1	0.1	0.2	0.7	31.0
1957	2.9	13.9	3.8	1.0	1.8	1.1	0.3	0.2	0.3	0.7	0.8	1.0	27.7
1958	2.9	10.8	3.7	1.5	0.8	0.3	0.6	0.1	0.3	0.1	0.1	1.0	22.2
1959	3.4	12.6	9.1	1.9	0.6	1.5	1.4	0.5	0.7	0.3	0.7	0.7	33.3
1960	3.9	7.4	5.2	1.5	0.4	0.7	0.3	0.1	0.1	0.1	0.4	0.7	20.9
1961	1.9	8.4	4.2	1.1	0.8	0.0	0.1	0.1	0.1	0.1	0.2	0.3	17.1
1962	3.4	6.0	4.8	1.7	0.9	0.1	0.9	0.3	0.1	0.1	0.3	1.0	19.5
1963	1.4	4.5	2.3	1.5	1.0	0.6	0.2	0.2	0.1	0.1	0.1	0.6	12.5
1964	2.0	7.3	9.2	2.3	1.6	0.9	1.5	0.7	0.1	0.6	0.4	0.5	27.0
1965	3.8	7.5	4.8	1.3	1.2	0.4	0.8	0.2	0.1	0.1	0.2	0.6	21.0
1966	2.1	5.2	2.9	1.4	0.6	0.6	0.1	0.1	0.2	0.1	0.4	0.4	14.2
1967	1.6	6.8	7.1	0.8	0.6	0.4	0.1	0.1	0.1	0.1	0.4	1.1	19.1
1968	1.7	9.0	7.3	1.6	1.2	0.7	0.3	0.4	0.1	0.1	0.1	1.0	23.6
1969	4.9	11.9	4.0	1.3	0.7	0.1	0.4	0.4	0.1	0.1	0.6	0.7	25.2

LOW AREA 6

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	1.2	2.2	1.1	0.6	0.3	0.0	0.1	0.1	0.1	0.1	0.1	0.1	9.3
90%	1.6	4.0	2.2	0.8	0.4	0.0	0.1	0.1	0.1	0.1	0.1	0.3	12.1
80%	1.9	5.2	2.8	0.9	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.4	15.1
70%	2.6	5.9	3.4	1.2	0.6	0.1	0.2	0.1	0.1	0.1	0.1	0.5	18.8
60%	2.3	7.1	4.1	1.3	0.8	0.3	0.3	0.1	0.1	0.1	0.1	0.6	20.4
50%	2.9	7.7	4.8	1.4	0.8	0.4	0.4	0.1	0.1	0.1	0.2	0.7	21.0
40%	3.1	8.8	5.8	1.5	0.9	0.5	0.5	0.2	0.1	0.1	0.2	0.8	23.6
30%	3.6	9.7	6.4	1.7	1.1	0.6	0.6	0.3	0.2	0.1	0.4	0.9	25.3
20%	4.2	11.7	6.9	1.9	1.3	0.8	0.7	0.5	0.3	0.2	0.5	1.0	27.7
10%	5.4	13.9	9.1	2.5	1.7	1.1	1.2	0.7	0.3	0.5	0.6	1.1	31.0
0%	11.3	16.5	10.1	4.2	2.9	1.9	2.7	1.5	0.7	0.9	0.8	1.6	36.2
MEAN	3.1	8.3	5.1	1.6	0.9	0.5	0.5	0.3	0.2	0.2	0.3	0.7	21.6

TROUT CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	7.3	44.7	32.9	8.3	4.3	0.2	2.2	0.5	0.5	1.2	0.5	1.4	104.2
1922	6.9	34.4	31.4	5.9	3.8	4.0	2.1	0.5	0.5	0.5	0.5	5.7	96.4
1923	11.2	36.1	34.5	9.8	4.8	1.1	1.7	0.5	0.5	0.5	3.4	4.1	108.1
1924	6.5	32.5	13.0	4.1	4.0	0.6	2.3	0.6	0.6	0.6	2.7	3.5	70.8
1925	14.3	39.2	18.2	5.3	2.3	0.3	1.0	0.5	0.8	2.2	0.5	4.2	88.8
1926	14.2	22.0	8.1	5.9	2.4	0.4	2.6	1.0	0.5	0.6	0.5	1.4	59.7
1927	7.4	26.4	31.0	8.0	5.2	9.8	12.8	2.3	1.5	0.9	2.0	5.9	113.2
1928	14.2	69.5	28.6	14.7	3.5	2.2	1.2	5.9	0.5	0.5	0.5	3.8	145.1
1929	5.6	14.8	16.6	5.0	8.6	9.2	1.4	0.5	0.5	0.5	0.8	1.9	65.5
1930	12.7	13.8	15.1	6.3	6.1	2.7	0.5	0.5	0.5	0.5	0.5	3.2	62.6
1931	7.6	20.1	9.9	8.2	2.6	0.7	0.5	0.5	0.5	0.5	0.5	4.1	55.9
1932	14.5	42.0	27.8	5.3	6.3	2.1	1.0	3.0	0.5	0.5	0.5	2.9	106.5
1933	11.8	38.8	38.2	11.6	6.1	3.3	4.1	3.3	2.0	3.9	2.2	7.1	132.5
1934	43.2	31.9	13.2	7.2	6.6	0.5	2.0	4.4	0.8	0.5	2.4	5.6	118.4
1935	8.4	43.4	29.8	20.9	9.8	4.7	0.5	0.6	0.6	2.7	0.5	2.7	124.6
1936	18.2	39.7	21.5	7.7	4.8	1.8	2.2	0.5	1.1	0.5	0.5	3.1	101.5
1937	9.1	35.3	33.8	8.7	3.9	3.3	3.0	0.8	0.5	0.5	0.5	4.6	103.8
1938	14.8	40.7	19.3	6.8	3.5	3.6	0.7	0.5	0.5	0.8	0.5	3.4	95.3
1939	13.1	28.8	15.9	7.4	3.2	2.6	0.5	1.0	2.0	0.5	0.5	5.6	81.1
1940	13.3	27.2	13.3	4.7	2.6	3.7	0.5	0.5	0.5	1.0	0.5	4.8	72.8
1941	17.4	21.2	17.0	9.0	5.1	5.0	8.5	4.2	3.0	0.5	2.0	2.3	95.4
1942	16.7	43.0	34.2	13.4	5.0	2.1	0.5	0.5	0.5	0.5	2.2	0.9	119.7
1943	13.6	27.5	24.4	8.7	3.8	1.0	2.6	0.5	0.5	0.5	1.3	0.5	85.0
1944	8.2	25.0	25.8	7.1	5.1	3.1	4.0	1.8	0.5	0.5	1.2	2.2	84.5
1945	7.8	52.1	31.1	7.3	5.3	0.5	2.5	0.5	0.8	1.3	0.5	4.4	114.1
1946	18.1	64.2	32.3	8.1	6.3	0.9	0.5	0.5	0.5	0.5	0.8	4.5	137.4
1947	13.5	26.0	15.9	5.3	5.1	2.9	3.0	2.2	0.6	0.6	0.6	1.5	77.1
1948	9.4	64.6	41.4	10.2	13.6	5.5	5.2	0.5	0.5	0.5	0.9	4.0	156.4
1949	21.1	54.8	18.2	8.9	7.3	1.9	0.5	1.3	0.5	0.5	0.5	3.6	119.2
1950	8.9	44.0	48.2	9.2	8.9	1.3	2.6	0.6	1.4	0.6	3.8	3.0	132.5
1951	20.2	66.2	27.9	11.1	3.0	4.7	2.5	1.0	0.5	0.5	2.8	3.7	144.1
1952	21.2	53.1	21.3	10.5	5.4	3.3	2.7	0.5	0.5	2.1	2.1	2.3	125.0
1953	7.7	33.7	29.4	9.9	7.5	0.9	3.4	3.2	1.4	0.5	2.8	2.7	103.1
1954	6.5	47.0	35.0	17.3	8.9	7.6	4.0	6.8	1.4	0.5	0.5	2.5	138.0
1955	8.6	28.9	47.6	18.8	6.9	3.6	2.5	0.6	1.0	0.9	0.6	5.1	124.9
1956	20.6	60.3	32.0	10.5	7.6	2.4	2.5	0.5	0.7	0.5	0.9	3.2	141.7
1957	10.9	60.9	20.2	6.2	9.4	6.0	1.2	0.9	1.4	3.1	3.7	4.7	128.6
1958	11.5	50.2	20.1	8.4	4.6	2.2	2.7	0.5	1.5	0.5	0.5	5.1	107.8
1959	12.3	53.6	42.0	10.4	4.1	7.5	6.1	2.1	3.2	1.3	3.2	3.1	148.8
1960	15.9	36.1	27.3	8.7	3.2	3.9	1.7	0.7	0.5	0.5	1.9	3.4	103.8
1961	8.2	41.6	23.3	6.9	5.0	0.2	0.5	0.5	0.5	0.5	1.2	1.4	89.7
1962	14.0	30.4	25.5	9.8	5.6	0.9	4.8	1.4	0.6	0.6	1.3	4.9	100.0
1963	6.7	24.4	13.7	9.0	6.4	3.9	1.1	0.9	0.5	0.5	0.5	3.3	70.7
1964	7.5	32.5	43.3	11.9	8.5	5.0	6.8	3.1	0.5	2.7	1.7	2.5	126.0
1965	14.6	35.2	24.4	7.5	6.5	2.6	3.8	1.0	0.5	0.5	1.1	2.8	100.3
1966	9.8	28.5	17.5	9.0	4.1	4.2	0.6	0.7	1.1	0.6	2.0	2.2	80.3
1967	6.5	32.2	35.9	5.5	3.9	2.6	0.5	0.5	0.5	0.5	2.2	5.3	95.9
1968	6.8	40.9	36.2	9.3	6.6	4.0	1.6	1.9	0.5	0.5	0.5	5.0	113.9
1969	18.6	54.1	21.3	7.6	4.5	1.4	2.1	1.9	0.5	0.5	2.8	3.1	118.5

TROUT CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	5.6	13.8	8.1	4.1	2.3	0.2	0.5	0.5	0.5	0.5	0.5	0.5	55.9
90%	6.7	22.0	13.3	5.3	3.0	0.5	0.5	0.5	0.5	0.5	0.5	1.4	70.7
80%	7.5	27.2	16.6	6.2	3.8	0.9	0.5	0.5	0.5	0.5	0.5	2.3	81.1
70%	8.2	30.4	19.3	7.2	4.1	1.4	1.1	0.5	0.5	0.5	0.5	2.7	95.3
60%	9.4	33.7	21.5	7.7	4.8	2.2	1.7	0.5	0.5	0.5	0.5	3.1	100.3
50%	11.8	36.1	25.8	8.4	5.1	2.6	2.2	0.7	0.5	0.5	0.9	3.4	104.2
40%	13.5	40.9	29.4	9.0	5.6	3.3	2.5	1.0	0.6	0.5	1.3	3.8	113.9
30%	14.3	44.0	32.0	9.8	6.4	3.9	2.7	1.4	0.8	0.6	2.0	4.4	119.7
20%	16.7	53.1	34.5	10.5	7.3	4.7	3.8	2.2	1.4	1.0	2.2	4.9	128.6
10%	20.2	60.9	41.4	13.4	8.9	6.0	5.2	3.3	1.5	2.2	2.8	5.6	141.7
0%	43.2	69.5	48.2	20.9	13.6	9.8	12.8	6.8	3.2	3.9	3.8	7.1	156.4
MEAN	12.6	39.0	26.2	8.9	5.5	3.0	2.5	1.4	0.9	0.9	1.4	3.5	105.9

NARAMATA CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.4	2.5	1.9	0.5	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.1	5.8
1922	0.4	1.9	1.8	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.3	5.4
1923	0.6	2.0	2.0	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.2	0.2	6.1
1924	0.3	1.8	0.8	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.2	0.2	4.0
1925	0.8	2.2	1.1	0.3	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.2	5.1
1926	0.8	1.3	0.5	0.4	0.1	0.0	0.2	0.1	0.0	0.0	0.0	0.1	3.5
1927	0.4	1.5	1.7	0.5	0.3	0.5	0.7	0.1	0.1	0.1	0.1	0.3	6.3
1928	0.8	3.8	1.6	0.8	0.2	0.1	0.1	0.3	0.0	0.0	0.0	0.2	8.1
1929	0.3	0.8	0.9	0.3	0.5	0.5	0.1	0.0	0.0	0.0	0.0	0.1	3.7
1930	0.7	0.8	0.9	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.2	3.6
1931	0.4	1.1	0.6	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	3.2
1932	0.8	2.4	1.6	0.3	0.4	0.1	0.1	0.2	0.0	0.0	0.0	0.2	6.0
1933	0.6	2.2	2.2	0.7	0.3	0.2	0.2	0.2	0.1	0.2	0.1	0.4	7.4
1934	2.3	1.8	0.8	0.4	0.4	0.0	0.1	0.2	0.0	0.0	0.1	0.3	6.6
1935	0.4	2.3	1.7	1.1	0.5	0.3	0.0	0.0	0.0	0.1	0.0	0.1	6.8
1936	1.0	2.2	1.2	0.4	0.3	0.1	0.1	0.0	0.1	0.0	0.0	0.2	5.7
1937	0.5	2.0	1.9	0.5	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	5.8
1938	0.8	2.3	1.1	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	5.4
1939	0.7	1.7	0.9	0.4	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.3	4.7
1940	0.7	1.6	0.8	0.3	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.3	4.2
1941	0.9	1.2	1.0	0.5	0.3	0.3	0.5	0.2	0.2	0.0	0.1	0.1	5.4
1942	0.9	2.4	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.1	0.1	6.6
1943	0.7	1.6	1.4	0.5	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	4.8
1944	0.4	1.4	1.5	0.4	0.3	0.2	0.2	0.1	0.0	0.0	0.1	0.1	4.8
1945	0.4	2.9	1.8	0.4	0.3	0.0	0.1	0.0	0.0	0.1	0.0	0.2	6.4
1946	1.0	3.5	1.8	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.3	7.6
1947	0.7	1.5	0.9	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.1	4.4
1948	0.5	3.5	2.3	0.6	0.8	0.3	0.3	0.0	0.0	0.0	0.0	0.2	8.6
1949	1.1	3.1	1.1	0.5	0.4	0.1	0.0	0.1	0.0	0.0	0.0	0.2	6.7
1950	0.5	2.4	2.7	0.5	0.5	0.1	0.1	0.0	0.1	0.0	0.2	0.2	7.3
1951	1.1	3.7	1.6	0.6	0.2	0.3	0.1	0.1	0.0	0.0	0.2	0.2	8.0
1952	1.1	3.0	1.2	0.6	0.3	0.2	0.1	0.0	0.0	0.1	0.1	0.1	7.0
1953	0.4	1.8	1.6	0.6	0.4	0.1	0.2	0.2	0.1	0.0	0.2	0.1	5.7
1954	0.3	2.6	1.9	1.0	0.5	0.4	0.2	0.4	0.1	0.0	0.0	0.1	7.6
1955	0.4	1.6	2.6	1.0	0.4	0.2	0.1	0.0	0.1	0.1	0.0	0.3	6.8
1956	1.1	3.3	1.8	0.6	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.2	7.8
1957	0.6	3.4	1.2	0.4	0.5	0.3	0.1	0.0	0.1	0.2	0.2	0.3	7.2
1958	0.6	2.8	1.2	0.5	0.3	0.1	0.2	0.0	0.1	0.0	0.0	0.3	6.1
1959	0.6	2.9	2.3	0.6	0.2	0.4	0.3	0.1	0.2	0.1	0.2	0.2	8.1
1960	0.8	2.0	1.6	0.5	0.2	0.2	0.1	0.0	0.0	0.0	0.1	0.2	5.8
1961	0.4	2.3	1.3	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.1	5.0
1962	0.8	1.7	1.5	0.6	0.3	0.1	0.3	0.1	0.0	0.0	0.1	0.3	5.7
1963	0.4	1.4	0.8	0.5	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.2	4.0
1964	0.4	1.8	2.4	0.7	0.5	0.3	0.4	0.2	0.0	0.2	0.1	0.1	7.0
1965	0.8	2.0	1.4	0.4	0.4	0.1	0.2	0.1	0.0	0.0	0.1	0.2	5.6
1966	0.5	1.6	1.0	0.5	0.2	0.2	0.0	0.0	0.1	0.0	0.1	0.1	4.5
1967	0.4	1.8	2.1	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.3	5.5
1968	0.4	2.2	2.0	0.5	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.3	6.3
1969	1.0	3.0	1.2	0.4	0.3	0.1	0.1	0.1	0.0	0.0	0.2	0.2	6.6

NARAMATA CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.3	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
90%	0.4	1.3	0.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	4.0
80%	0.4	1.6	0.9	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	4.7
70%	0.4	1.7	1.1	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	5.4
60%	0.5	1.8	1.2	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.2	5.7
50%	0.6	2.0	1.5	0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.2	5.8
40%	0.7	2.3	1.6	0.5	0.3	0.2	0.1	0.1	0.0	0.0	0.1	0.2	6.3
30%	0.8	2.4	1.8	0.6	0.4	0.2	0.2	0.1	0.0	0.0	0.1	0.2	6.7
20%	0.9	2.9	1.9	0.6	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.3	7.2
10%	1.1	3.4	2.3	0.7	0.5	0.3	0.3	0.2	0.1	0.1	0.2	0.3	7.8
0%	2.3	3.8	2.7	1.1	0.8	0.5	0.7	0.4	0.2	0.2	0.2	0.4	8.6
MEAN	0.7	2.2	1.5	0.5	0.3	0.2	0.1	0.1	0.0	0.0	0.1	0.2	5.9

ENEAS CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.3	1.4	0.9	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	2.9
1922	0.3	1.0	0.8	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.5
1923	0.4	1.1	1.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	3.1
1924	0.2	0.8	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.5
1925	0.5	1.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	2.1
1926	0.4	0.4	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.2
1927	0.3	0.9	0.9	0.2	0.1	0.3	0.4	0.1	0.0	0.0	0.1	0.2	3.4
1928	0.7	2.7	0.9	0.4	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	5.1
1929	0.2	0.3	0.3	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.3
1930	0.4	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
1931	0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
1932	0.6	1.3	0.7	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	3.0
1933	0.5	1.4	1.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	4.4
1934	1.8	0.8	0.3	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.2	3.6
1935	0.4	1.5	0.9	0.6	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.1	3.9
1936	0.7	1.1	0.5	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.8
1937	0.4	1.1	0.9	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.9
1938	0.5	1.1	0.4	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.5
1939	0.4	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
1940	0.4	0.5	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.4
1941	0.6	0.5	0.4	0.2	0.1	0.1	0.2	0.1	0.1	0.0	0.1	0.1	2.5
1942	0.7	1.4	1.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	3.7
1943	0.4	0.6	0.5	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.9
1944	0.3	0.6	0.6	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.9
1945	0.3	1.7	0.9	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.4
1946	0.8	2.3	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	4.6
1947	0.4	0.6	0.3	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.6
1948	0.5	2.6	1.4	0.2	0.4	0.1	0.2	0.0	0.0	0.0	0.0	0.1	5.7
1949	0.9	1.8	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.6
1950	0.4	1.5	1.5	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.1	4.2
1951	1.0	2.4	0.8	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	4.9
1952	0.9	1.8	0.6	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	4.0
1953	0.3	1.0	0.8	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.1	0.1	2.9
1954	0.3	1.8	1.1	0.5	0.2	0.2	0.1	0.2	0.0	0.0	0.0	0.1	4.7
1955	0.4	0.9	1.5	0.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	3.8
1956	1.0	2.1	0.9	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1	4.7
1957	0.5	2.2	0.5	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.1	4.1
1958	0.5	1.6	0.5	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.1
1959	0.6	2.1	1.4	0.2	0.1	0.2	0.2	0.1	0.1	0.0	0.1	0.1	5.2
1960	0.6	1.1	0.7	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	2.9
1961	0.3	1.1	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
1962	0.5	0.8	0.6	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.5
1963	0.2	0.6	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.5
1964	0.3	1.1	1.4	0.3	0.2	0.1	0.2	0.1	0.0	0.1	0.1	0.1	4.0
1965	0.6	1.1	0.7	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.0
1966	0.3	0.6	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.7
1967	0.2	0.9	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.5
1968	0.3	1.4	1.1	0.2	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.2	3.4
1969	0.8	1.8	0.5	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	3.7

ENEAS CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
90%	0.2	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
80%	0.3	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
70%	0.3	0.8	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.5
60%	0.4	1.0	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.8
50%	0.4	1.1	0.7	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.0
40%	0.5	1.3	0.8	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	3.4
30%	0.6	1.5	0.9	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	3.7
20%	0.7	1.8	1.0	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	4.1
10%	0.9	2.2	1.4	0.3	0.2	0.1	0.2	0.1	0.0	0.1	0.1	0.2	4.7
0%	1.8	2.7	1.5	0.6	0.4	0.3	0.4	0.2	0.1	0.1	0.1	0.2	5.7
MEAN	0.5	1.2	0.7	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	3.1

PENTICTON CREEK

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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	1.1	8.7	7.2	2.1	1.1	0.2	0.5	0.1	0.1	0.3	0.1	0.3	21.9
1922	1.1	6.9	7.0	1.6	1.0	1.0	0.4	0.1	0.1	0.1	0.1	1.2	20.7
1923	1.7	7.4	7.7	2.4	1.3	0.4	0.4	0.1	0.1	0.1	0.7	0.9	23.3
1924	1.1	7.3	3.5	1.2	1.1	0.3	0.5	0.1	0.1	0.1	0.7	0.8	17.0
1925	2.1	7.8	4.2	1.4	0.7	0.2	0.2	0.1	0.2	0.5	0.1	0.9	18.3
1926	2.6	5.7	2.5	1.7	0.8	0.2	0.7	0.3	0.1	0.1	0.1	0.4	15.3
1927	1.0	4.7	6.0	1.7	1.1	2.0	2.4	0.4	0.3	0.2	0.4	1.1	21.3
1928	1.9	12.2	6.1	3.1	1.0	0.6	0.2	1.1	0.1	0.1	0.1	0.7	27.2
1929	0.9	3.3	3.9	1.3	2.1	2.2	0.3	0.1	0.1	0.1	0.2	0.4	15.1
1930	2.1	3.4	3.7	1.6	1.5	0.7	0.1	0.1	0.1	0.1	0.1	0.7	14.4
1931	1.3	4.8	2.7	2.2	0.8	0.3	0.1	0.1	0.1	0.1	0.1	1.0	13.8
1932	2.1	8.0	5.9	1.4	1.4	0.6	0.2	0.6	0.1	0.1	0.1	0.6	21.2
1933	1.6	7.1	7.5	2.5	1.4	0.8	0.8	0.6	0.4	0.8	0.4	1.4	25.3
1934	6.1	7.2	3.3	1.7	1.5	0.2	0.4	0.8	0.2	0.1	0.5	1.1	23.1
1935	1.1	7.5	5.8	4.1	2.0	1.0	0.1	0.1	0.1	0.5	0.1	0.5	23.0
1936	2.8	8.3	5.1	2.0	1.2	0.5	0.5	0.1	0.2	0.1	0.1	0.7	21.7
1937	1.2	6.0	6.2	1.8	0.9	0.7	0.5	0.1	0.1	0.1	0.1	0.8	18.6
1938	2.1	7.7	4.3	1.6	0.9	0.8	0.1	0.1	0.1	0.2	0.1	0.7	18.7
1939	1.9	5.7	3.5	1.7	0.8	0.6	0.1	0.2	0.4	0.1	0.1	1.1	16.3
1940	2.0	5.6	3.2	1.2	0.7	0.9	0.1	0.1	0.1	0.2	0.1	1.0	15.2
1941	3.2	5.8	4.7	2.6	1.5	1.4	2.2	1.1	0.8	0.1	0.5	0.6	24.6
1942	2.4	8.2	7.1	3.0	1.3	0.6	0.1	0.1	0.1	0.1	0.4	0.2	23.6
1943	2.0	5.7	5.4	2.1	1.0	0.3	0.5	0.1	0.1	0.1	0.3	0.1	17.8
1944	1.3	5.4	5.9	1.8	1.3	0.8	0.9	0.4	0.1	0.1	0.3	0.5	18.9
1945	1.2	10.7	7.3	2.0	1.4	0.3	0.5	0.1	0.2	0.3	0.1	1.0	25.2
1946	2.4	11.2	6.6	1.9	1.4	0.4	0.1	0.1	0.1	0.1	0.2	0.8	25.3
1947	1.7	4.4	3.0	1.1	1.0	0.6	0.5	0.4	0.1	0.1	0.1	0.3	13.2
1948	1.3	11.2	8.2	2.4	2.8	1.2	1.0	0.1	0.1	0.1	0.2	0.7	29.3
1949	2.1	7.4	3.0	1.5	1.2	0.4	0.1	0.2	0.1	0.1	0.1	0.5	16.5
1950	1.0	6.3	7.5	1.7	1.5	0.3	0.4	0.1	0.2	0.1	0.6	0.5	20.2
1951	2.0	8.9	4.5	1.9	0.6	0.8	0.4	0.1	0.1	0.1	0.4	0.5	20.2
1952	4.1	13.7	6.6	3.3	1.8	1.1	0.7	0.1	0.1	0.6	0.6	0.6	33.2
1953	1.5	8.4	8.1	3.0	2.2	0.4	0.9	0.9	0.4	0.1	0.7	0.7	27.2
1954	0.8	7.6	6.4	3.3	1.8	1.5	0.7	1.2	0.3	0.1	0.1	0.4	24.1
1955	1.1	4.7	8.2	3.5	1.4	0.8	0.4	0.1	0.2	0.2	0.1	0.9	21.5
1956	2.7	10.6	6.5	2.3	1.7	0.6	0.5	0.1	0.1	0.1	0.2	0.6	25.9
1957	1.1	8.0	3.3	1.1	1.5	1.0	0.2	0.1	0.2	0.4	0.5	0.7	18.1
1958	1.7	9.6	4.7	2.0	1.2	0.6	0.5	0.1	0.3	0.1	0.1	1.0	21.9
1959	1.7	9.6	8.3	2.4	1.1	1.6	1.2	0.4	0.6	0.2	0.6	0.6	28.2
1960	2.6	8.2	6.7	2.4	1.0	1.1	0.4	0.2	0.1	0.1	0.4	0.8	24.0
1961	1.7	11.0	7.1	2.3	1.7	0.2	0.1	0.1	0.1	0.1	0.3	0.4	25.3
1962	2.2	6.4	5.8	2.4	1.4	0.3	1.0	0.3	0.1	0.1	0.3	1.1	21.4
1963	1.2	5.6	3.6	2.3	1.7	1.1	0.3	0.2	0.1	0.1	0.1	0.8	17.1
1964	1.1	6.2	8.9	2.8	2.0	1.2	1.4	0.6	0.1	0.6	0.4	0.5	25.7
1965	2.6	8.5	6.5	2.2	1.8	0.8	0.9	0.3	0.1	0.1	0.3	0.7	24.7
1966	1.5	6.0	4.1	2.2	1.1	1.0	0.1	0.1	0.2	0.1	0.4	0.5	17.4
1967	1.2	7.5	9.1	1.8	1.2	0.8	0.1	0.1	0.1	0.1	0.5	1.3	24.0
1968	0.9	6.8	6.7	2.0	1.4	0.9	0.3	0.3	0.1	0.1	0.1	0.9	20.5
1969	3.0	11.7	5.6	2.1	1.3	0.5	0.5	0.4	0.1	0.1	0.6	0.7	26.6

PENTICTON CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.8	3.3	2.5	1.1	0.6	0.2	0.1	0.1	0.1	0.1	0.1	0.1	13.2
90%	1.0	4.7	3.2	1.3	0.8	0.2	0.1	0.1	0.1	0.1	0.1	0.4	15.2
80%	1.1	5.7	3.6	1.6	1.0	0.3	0.1	0.1	0.1	0.1	0.1	0.5	17.1
70%	1.2	6.0	4.3	1.7	1.1	0.4	0.2	0.1	0.1	0.1	0.1	0.5	18.6
60%	1.5	6.9	5.4	1.9	1.2	0.6	0.4	0.1	0.1	0.1	0.1	0.6	20.5
50%	1.7	7.4	5.9	2.0	1.3	0.7	0.4	0.1	0.1	0.1	0.2	0.7	21.5
40%	2.0	7.8	6.5	2.2	1.4	0.8	0.5	0.2	0.1	0.1	0.3	0.8	23.1
30%	2.1	8.3	6.7	2.4	1.5	0.9	0.5	0.3	0.2	0.1	0.4	0.9	24.1
20%	2.4	9.6	7.3	2.5	1.7	1.1	0.8	0.4	0.2	0.2	0.5	1.0	25.3
10%	2.8	11.2	8.2	3.1	2.0	1.4	1.0	0.8	0.4	0.5	0.6	1.1	27.2
0%	6.1	13.7	9.1	4.1	2.8	2.2	2.4	1.2	0.8	0.8	0.7	1.4	33.2
MEAN	1.9	7.6	5.7	2.1	1.3	0.8	0.5	0.3	0.2	0.2	0.3	0.7	21.5

LOW AREA 5
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.2	1.1	0.7	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	2.4
1922	0.2	0.8	0.7	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.1
1923	0.4	0.9	0.8	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.6
1924	0.2	0.7	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.4
1925	0.4	0.8	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
1926	0.4	0.4	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.2
1927	0.2	0.6	0.7	0.1	0.1	0.2	0.3	0.0	0.0	0.0	0.0	0.1	2.4
1928	0.5	1.9	0.6	0.3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	3.7
1929	0.1	0.3	0.3	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2
1930	0.3	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
1931	0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
1932	0.4	1.0	0.6	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.3
1933	0.4	1.0	0.9	0.2	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.2	3.2
1934	1.4	0.6	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.1	2.8
1935	0.3	1.1	0.7	0.4	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.1	2.9
1936	0.6	0.9	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.3
1937	0.3	0.9	0.8	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.4
1938	0.4	0.9	0.4	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.0
1939	0.3	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5
1940	0.3	0.5	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.4
1941	0.5	0.4	0.3	0.2	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	2.0
1942	0.5	1.1	0.8	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	2.8
1943	0.3	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
1944	0.2	0.5	0.5	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.7
1945	0.3	1.5	0.8	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.9
1946	0.6	1.7	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.3
1947	0.3	0.4	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
1948	0.3	1.9	1.0	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1	4.1
1949	0.4	0.9	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.9
1950	0.2	0.9	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.5
1951	0.5	1.3	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	2.7
1952	0.9	1.8	0.6	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	4.0
1953	0.3	1.0	0.8	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.1	0.1	2.9
1954	0.2	1.2	0.8	0.3	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.1	3.1
1955	0.2	0.6	1.0	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.6
1956	0.6	1.5	0.7	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.3
1957	0.2	1.1	0.3	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	2.2
1958	0.3	1.2	0.4	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.3
1959	0.4	1.5	1.1	0.2	0.0	0.2	0.2	0.1	0.1	0.0	0.1	0.1	3.9
1960	0.5	0.9	0.6	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.5
1961	0.3	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
1962	0.4	0.7	0.5	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.1
1963	0.2	0.5	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.4
1964	0.3	0.9	1.1	0.2	0.2	0.1	0.2	0.1	0.0	0.1	0.0	0.1	3.2
1965	0.6	1.1	0.7	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.9
1966	0.2	0.6	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5
1967	0.2	0.9	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.4
1968	0.2	1.0	0.8	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.4
1969	0.7	1.6	0.5	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	3.2

LOW AREA 5

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
90%	0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
80%	0.2	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
70%	0.2	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
60%	0.3	0.9	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.3
50%	0.3	0.9	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.4
40%	0.4	1.0	0.7	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.5
30%	0.4	1.1	0.7	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.8
20%	0.5	1.2	0.8	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	3.1
10%	0.6	1.6	0.9	0.2	0.2	0.1	0.1	0.1	0.0	0.1	0.1	0.1	3.3
0%	1.4	1.9	1.1	0.4	0.3	0.2	0.3	0.2	0.1	0.1	0.1	0.2	4.1
MEAN	0.4	0.9	0.6	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.4

SHINGLE CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	1.5	9.1	6.6	1.4	0.7	0.0	0.4	0.1	0.1	0.2	0.1	0.3	20.6
1922	1.4	7.0	6.3	1.0	0.6	0.7	0.4	0.1	0.1	0.1	0.1	1.1	19.0
1923	2.3	7.4	7.1	1.7	0.8	0.1	0.3	0.1	0.1	0.1	0.7	0.8	21.6
1924	1.4	7.0	2.8	0.7	0.8	0.1	0.5	0.1	0.1	0.1	0.6	0.7	14.9
1925	2.7	7.2	3.3	0.8	0.3	0.0	0.2	0.1	0.2	0.4	0.1	0.8	16.0
1926	3.4	5.1	1.9	1.2	0.5	0.0	0.6	0.2	0.1	0.1	0.1	0.3	13.5
1927	1.4	4.8	5.7	1.3	0.8	1.7	2.3	0.4	0.3	0.2	0.4	1.0	20.1
1928	2.8	13.3	5.4	2.4	0.4	0.3	0.2	1.1	0.1	0.1	0.1	0.7	26.9
1929	1.2	3.1	3.4	0.9	1.7	1.8	0.3	0.1	0.1	0.1	0.2	0.4	13.3
1930	2.7	2.8	3.1	1.2	1.2	0.5	0.1	0.1	0.1	0.1	0.1	0.6	12.6
1931	1.8	4.6	2.2	1.7	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.9	12.4
1932	2.8	8.0	5.3	0.8	1.1	0.3	0.2	0.6	0.1	0.1	0.1	0.5	19.8
1933	2.3	7.4	7.2	1.9	1.0	0.5	0.8	0.6	0.4	0.7	0.4	1.3	24.5
1934	8.4	5.9	2.5	1.1	1.1	0.0	0.4	0.8	0.1	0.1	0.4	1.0	21.8
1935	1.6	8.0	5.5	3.6	1.6	0.7	0.1	0.1	0.1	0.5	0.1	0.5	22.4
1936	3.8	8.0	4.3	1.3	0.8	0.3	0.4	0.1	0.2	0.1	0.1	0.6	19.9
1937	1.9	7.2	6.8	1.5	0.6	0.6	0.6	0.2	0.1	0.1	0.1	0.9	20.5
1938	3.0	8.1	3.8	1.1	0.6	0.6	0.1	0.1	0.1	0.2	0.1	0.7	18.5
1939	2.7	5.8	3.2	1.3	0.5	0.4	0.1	0.2	0.4	0.1	0.1	1.1	16.1
1940	3.0	5.9	2.9	0.8	0.5	0.7	0.1	0.1	0.1	0.2	0.1	1.0	15.4
1941	3.5	4.1	3.3	1.6	0.9	0.9	1.6	0.8	0.6	0.1	0.4	0.4	18.0
1942	3.3	8.3	6.5	2.3	0.8	0.3	0.1	0.1	0.1	0.1	0.4	0.2	22.4
1943	2.6	5.2	4.6	1.4	0.6	0.1	0.5	0.1	0.1	0.1	0.2	0.1	15.8
1944	1.7	5.0	5.2	1.2	0.9	0.5	0.8	0.3	0.1	0.1	0.2	0.4	16.6
1945	1.7	11.3	6.6	1.3	1.0	0.0	0.5	0.1	0.2	0.3	0.1	0.9	23.9
1946	3.5	12.0	6.0	1.2	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.8	24.9
1947	2.2	4.1	2.5	0.7	0.7	0.4	0.5	0.3	0.1	0.1	0.1	0.2	11.8
1948	1.9	12.6	8.0	1.6	2.4	0.9	1.0	0.1	0.1	0.1	0.2	0.8	29.5
1949	2.9	7.4	2.4	1.0	0.8	0.2	0.1	0.2	0.1	0.1	0.1	0.5	15.6
1950	1.4	6.7	7.3	1.1	1.2	0.1	0.4	0.1	0.2	0.1	0.6	0.4	19.5
1951	2.9	9.3	3.9	1.3	0.3	0.6	0.3	0.1	0.1	0.1	0.4	0.5	19.8
1952	5.6	13.8	5.5	2.3	1.1	0.7	0.7	0.1	0.1	0.5	0.5	0.6	31.6
1953	2.0	8.5	7.4	2.2	1.7	0.1	0.8	0.8	0.4	0.1	0.7	0.7	25.2
1954	1.2	8.4	6.2	2.8	1.4	1.2	0.7	1.2	0.2	0.1	0.1	0.4	23.8
1955	1.5	5.0	8.2	3.0	1.0	0.5	0.4	0.1	0.2	0.2	0.1	0.9	20.9
1956	3.8	11.0	5.8	1.6	1.2	0.3	0.4	0.1	0.1	0.1	0.2	0.6	25.2
1957	1.5	8.4	2.7	0.6	1.2	0.7	0.2	0.1	0.2	0.4	0.5	0.6	17.2
1958	2.2	9.6	3.8	1.3	0.7	0.3	0.5	0.1	0.3	0.1	0.1	0.9	20.0
1959	2.4	10.4	8.1	1.7	0.6	1.3	1.2	0.4	0.6	0.2	0.6	0.6	28.2
1960	3.5	7.8	5.9	1.6	0.5	0.7	0.4	0.2	0.1	0.1	0.4	0.7	22.0
1961	2.2	10.9	6.0	1.5	1.1	0.0	0.1	0.1	0.1	0.1	0.3	0.4	22.8
1962	2.9	6.0	5.1	1.7	1.0	0.1	0.9	0.3	0.1	0.1	0.3	1.0	19.4
1963	1.5	5.3	3.0	1.8	1.3	0.8	0.2	0.2	0.1	0.1	0.1	0.7	15.1
1964	1.6	6.6	8.8	2.1	1.5	0.9	1.4	0.6	0.1	0.5	0.3	0.5	25.0
1965	3.5	8.3	5.7	1.5	1.4	0.5	0.9	0.2	0.1	0.1	0.3	0.6	23.1
1966	2.0	5.6	3.4	1.6	0.7	0.7	0.1	0.1	0.2	0.1	0.4	0.4	15.4
1967	1.5	7.5	8.3	1.0	0.7	0.5	0.1	0.1	0.1	0.1	0.5	1.2	21.6
1968	1.2	7.2	6.3	1.4	1.0	0.6	0.3	0.3	0.1	0.1	0.1	0.9	19.5
1969	4.2	11.8	4.6	1.3	0.8	0.2	0.4	0.4	0.1	0.1	0.6	0.7	25.2

SHINGLE CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	1.2	2.8	1.9	0.6	0.3	0.0	0.1	0.1	0.1	0.1	0.1	0.1	11.8
90%	1.4	4.6	2.5	0.8	0.5	0.0	0.1	0.1	0.1	0.1	0.1	0.3	13.5
80%	1.5	5.2	3.1	1.0	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.4	15.6
70%	1.7	5.9	3.4	1.2	0.7	0.2	0.2	0.1	0.1	0.1	0.1	0.5	17.2
60%	2.0	7.0	4.6	1.3	0.8	0.3	0.3	0.1	0.1	0.1	0.1	0.6	19.5
50%	2.3	7.4	5.4	1.4	0.8	0.5	0.4	0.1	0.1	0.1	0.2	0.7	20.0
40%	2.7	8.0	5.8	1.5	1.0	0.5	0.4	0.2	0.1	0.1	0.3	0.7	21.6
30%	2.9	8.4	6.3	1.6	1.1	0.7	0.5	0.3	0.2	0.1	0.4	0.8	22.4
20%	3.4	9.6	6.8	1.8	1.2	0.7	0.8	0.4	0.2	0.2	0.4	0.9	24.5
10%	3.8	11.8	8.0	2.3	1.5	0.9	1.0	0.8	0.4	0.4	0.6	1.0	25.2
0%	8.4	13.8	8.8	3.6	2.4	1.8	2.3	1.2	0.6	0.7	0.7	1.3	31.6
MEAN	2.5	7.6	5.1	1.5	0.9	0.5	0.5	0.3	0.2	0.2	0.3	0.7	20.2

ELLIS CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	1.0	6.8	5.1	1.2	0.6	0.0	0.3	0.1	0.1	0.2	0.1	0.2	15.7
1922	1.0	5.2	4.9	0.8	0.5	0.6	0.3	0.1	0.1	0.1	0.1	0.9	14.6
1923	1.6	5.5	5.4	1.4	0.7	0.1	0.3	0.1	0.1	0.1	0.5	0.6	16.4
1924	1.0	5.2	2.2	0.6	0.6	0.1	0.4	0.1	0.1	0.1	0.4	0.5	11.2
1925	1.9	5.5	2.7	0.7	0.3	0.0	0.1	0.1	0.1	0.3	0.1	0.6	12.4
1926	2.2	3.7	1.4	0.9	0.4	0.0	0.4	0.2	0.1	0.1	0.1	0.2	9.8
1927	0.9	3.6	4.3	1.0	0.7	1.3	1.7	0.3	0.2	0.1	0.3	0.8	15.3
1928	1.9	9.6	4.2	1.9	0.4	0.3	0.2	0.8	0.1	0.1	0.1	0.5	20.0
1929	0.8	2.3	2.6	0.7	1.3	1.4	0.2	0.1	0.1	0.1	0.1	0.3	9.9
1930	1.8	2.1	2.3	0.9	0.9	0.4	0.1	0.1	0.1	0.1	0.1	0.5	9.3
1931	1.2	3.3	1.7	1.3	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.7	9.0
1932	1.9	6.0	4.1	0.7	0.9	0.3	0.1	0.4	0.1	0.1	0.1	0.4	15.1
1933	1.5	5.4	5.5	1.5	0.8	0.4	0.6	0.5	0.3	0.5	0.3	1.0	18.4
1934	5.7	4.7	2.0	0.9	0.9	0.0	0.3	0.6	0.1	0.1	0.3	0.8	16.5
1935	1.1	5.9	4.2	2.8	1.3	0.6	0.1	0.1	0.1	0.4	0.1	0.4	16.9
1936	2.6	6.1	3.4	1.1	0.7	0.2	0.3	0.1	0.2	0.1	0.1	0.5	15.3
1937	1.3	5.4	5.3	1.2	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.7	15.7
1938	2.1	6.1	3.1	0.9	0.5	0.5	0.1	0.1	0.1	0.1	0.1	0.5	14.2
1939	1.9	4.5	2.6	1.1	0.5	0.4	0.1	0.2	0.3	0.1	0.1	0.9	12.4
1940	2.0	4.4	2.3	0.7	0.4	0.6	0.1	0.1	0.1	0.2	0.1	0.8	11.6
1941	2.4	3.2	2.6	1.3	0.7	0.7	1.2	0.6	0.4	0.1	0.3	0.3	13.9
1942	2.2	6.2	5.0	1.8	0.7	0.3	0.1	0.1	0.1	0.1	0.3	0.1	16.9
1943	1.8	4.0	3.6	1.2	0.5	0.1	0.4	0.1	0.1	0.1	0.2	0.1	12.2
1944	1.2	3.9	4.1	1.0	0.8	0.4	0.6	0.3	0.1	0.1	0.2	0.3	12.9
1945	1.2	8.3	5.1	1.1	0.8	0.0	0.4	0.1	0.1	0.2	0.1	0.7	18.1
1946	2.3	8.8	4.6	1.0	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.6	18.6
1947	1.5	3.1	1.9	0.6	0.6	0.3	0.3	0.3	0.1	0.1	0.1	0.2	8.9
1948	1.2	9.1	6.0	1.3	1.9	0.7	0.7	0.1	0.1	0.1	0.1	0.6	21.9
1949	2.0	5.5	2.0	0.8	0.7	0.2	0.1	0.1	0.1	0.1	0.1	0.4	11.8
1950	0.9	4.9	5.5	1.0	1.0	0.1	0.3	0.1	0.2	0.1	0.4	0.3	14.7
1951	2.0	6.9	3.1	1.1	0.3	0.5	0.3	0.1	0.1	0.1	0.3	0.4	14.8
1952	3.8	10.3	4.4	1.9	1.0	0.6	0.5	0.1	0.1	0.4	0.4	0.4	23.9
1953	1.4	6.3	5.7	1.8	1.4	0.1	0.6	0.6	0.3	0.1	0.5	0.5	19.3
1954	0.8	6.1	4.7	2.2	1.1	0.9	0.5	0.9	0.2	0.1	0.1	0.3	17.8
1955	1.0	3.7	6.1	2.3	0.8	0.4	0.3	0.1	0.1	0.1	0.1	0.6	15.7
1956	2.6	8.1	4.5	1.3	1.0	0.3	0.3	0.1	0.1	0.1	0.1	0.4	18.9
1957	1.0	6.2	2.2	0.6	0.9	0.6	0.1	0.1	0.1	0.3	0.4	0.5	13.0
1958	1.5	7.2	3.0	1.1	0.6	0.3	0.4	0.1	0.2	0.1	0.1	0.7	15.3
1959	1.6	7.6	6.2	1.4	0.5	1.0	0.9	0.3	0.4	0.2	0.4	0.4	21.0
1960	2.4	5.9	4.6	1.3	0.5	0.6	0.3	0.1	0.1	0.1	0.3	0.6	16.8
1961	1.5	8.2	4.8	1.3	0.9	0.0	0.1	0.1	0.1	0.1	0.2	0.3	17.7
1962	2.0	4.6	4.0	1.4	0.8	0.1	0.7	0.2	0.1	0.1	0.2	0.7	14.9
1963	1.0	4.0	2.3	1.4	1.0	0.6	0.2	0.1	0.1	0.1	0.1	0.5	11.5
1964	1.1	4.9	6.6	1.7	1.2	0.7	1.0	0.5	0.1	0.4	0.3	0.4	18.8
1965	2.4	6.2	4.5	1.2	1.1	0.4	0.7	0.2	0.1	0.1	0.2	0.5	17.5
1966	1.3	4.2	2.7	1.3	0.6	0.6	0.1	0.1	0.2	0.1	0.3	0.3	11.7
1967	1.1	5.6	6.4	0.9	0.6	0.4	0.1	0.1	0.1	0.1	0.4	0.9	16.6
1968	0.8	5.3	4.9	1.1	0.8	0.5	0.2	0.2	0.1	0.1	0.1	0.7	14.8
1969	2.8	8.8	3.7	1.1	0.7	0.2	0.3	0.3	0.1	0.1	0.5	0.5	19.1

ELLIS CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.8	2.1	1.4	0.6	0.3	0.0	0.1	0.1	0.1	0.1	0.1	0.1	8.9
90%	0.9	3.3	2.0	0.7	0.4	0.0	0.1	0.1	0.1	0.1	0.1	0.2	9.9
80%	1.0	4.0	2.3	0.9	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.3	11.8
70%	1.2	4.6	2.7	1.0	0.6	0.2	0.1	0.1	0.1	0.1	0.1	0.4	13.0
60%	1.3	5.2	3.6	1.1	0.7	0.3	0.3	0.1	0.1	0.1	0.1	0.4	14.8
50%	1.5	5.5	4.2	1.1	0.7	0.4	0.3	0.1	0.1	0.1	0.1	0.5	15.3
40%	1.9	6.0	4.5	1.3	0.8	0.4	0.3	0.1	0.1	0.1	0.2	0.5	16.4
30%	2.0	6.2	4.9	1.3	0.9	0.6	0.4	0.2	0.1	0.1	0.3	0.6	16.9
20%	2.2	7.2	5.3	1.4	1.0	0.6	0.6	0.3	0.2	0.2	0.3	0.7	18.4
10%	2.6	8.8	6.0	1.9	1.2	0.7	0.7	0.6	0.3	0.3	0.4	0.8	19.3
0%	5.7	10.3	6.6	2.8	1.9	1.4	1.7	0.9	0.4	0.5	0.5	1.0	23.9
MEAN	1.7	5.7	4.0	1.2	0.8	0.4	0.4	0.2	0.1	0.1	0.2	0.5	15.3

LOW AREA 4
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.2	1.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
1922	0.2	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.8
1923	0.3	0.8	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.2
1924	0.1	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
1925	0.3	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
1926	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1927	0.2	0.6	0.6	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.1	2.2
1928	0.5	1.8	0.6	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	3.4
1929	0.1	0.2	0.3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1930	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1931	0.2	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9
1932	0.4	0.9	0.5	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.0
1933	0.4	0.9	0.8	0.2	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.2	2.9
1934	1.3	0.5	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.4
1935	0.3	1.0	0.6	0.4	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	2.6
1936	0.5	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.9
1937	0.3	0.8	0.7	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.0
1938	0.4	0.8	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
1939	0.3	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2
1940	0.3	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
1941	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.6
1942	0.5	1.0	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
1943	0.3	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
1944	0.2	0.4	0.4	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.3
1945	0.3	1.4	0.7	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.6
1946	0.6	1.6	0.6	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.0
1947	0.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1948	0.3	1.8	1.0	0.1	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1	3.9
1949	0.4	0.8	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
1950	0.2	0.8	0.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	2.2
1951	0.5	1.2	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.4
1952	0.9	1.6	0.5	0.2	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.1	3.6
1953	0.3	0.9	0.7	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	2.5
1954	0.2	1.1	0.7	0.3	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	2.9
1955	0.2	0.6	0.9	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.3
1956	0.6	1.4	0.6	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.1
1957	0.2	1.1	0.3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	2.0
1958	0.3	1.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
1959	0.4	1.5	1.0	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	3.6
1960	0.5	0.8	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.1
1961	0.2	1.0	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
1962	0.3	0.5	0.4	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	1.7
1963	0.2	0.5	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2
1964	0.2	0.8	1.0	0.2	0.1	0.1	0.2	0.1	0.0	0.1	0.0	0.1	2.9
1965	0.5	0.9	0.6	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.5
1966	0.2	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
1967	0.2	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
1968	0.2	0.9	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.1
1969	0.6	1.4	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.8

LOW AREA 4

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
90%	0.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
80%	0.2	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
70%	0.2	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
60%	0.3	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.9
50%	0.3	0.8	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
40%	0.3	0.9	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.2
30%	0.4	1.0	0.7	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.5
20%	0.5	1.1	0.7	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.8
10%	0.6	1.5	0.8	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	3.1
0%	1.3	1.8	1.0	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	3.9
MEAN	0.3	0.8	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.1

MCLEAN CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.1	0.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
1922	0.1	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
1923	0.2	0.8	0.8	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.4
1924	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1925	0.2	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
1926	0.3	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
1927	0.2	0.9	1.1	0.2	0.2	0.3	0.4	0.1	0.0	0.0	0.1	0.2	3.8
1928	0.5	2.4	1.0	0.4	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.1	4.9
1929	0.2	0.6	0.6	0.2	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.1	2.4
1930	0.5	0.5	0.6	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.3
1931	0.3	0.9	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.3
1932	0.5	1.5	1.0	0.1	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.1	3.7
1933	0.4	1.4	1.4	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	4.5
1934	1.5	1.2	0.5	0.2	0.2	0.0	0.1	0.2	0.0	0.0	0.1	0.2	4.1
1935	0.3	1.5	1.0	0.7	0.3	0.1	0.0	0.0	0.0	0.1	0.0	0.1	4.1
1936	0.7	1.5	0.8	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.7
1937	0.3	1.3	1.3	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	3.8
1938	0.5	1.5	0.8	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	3.5
1939	0.5	1.1	0.6	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.2	3.0
1940	0.5	1.1	0.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	2.9
1941	0.6	0.8	0.6	0.3	0.2	0.2	0.3	0.2	0.1	0.0	0.1	0.1	3.4
1942	0.6	1.5	1.2	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	4.1
1943	0.5	1.0	0.9	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	2.9
1944	0.3	0.9	1.0	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1	3.1
1945	0.3	2.1	1.3	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.2	4.4
1946	0.6	2.2	1.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	4.6
1947	0.4	0.8	0.5	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	2.2
1948	0.3	2.3	1.5	0.3	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.1	5.4
1949	0.5	1.4	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.9
1950	0.2	1.2	1.4	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.1	3.6
1951	0.5	1.7	0.8	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	3.7
1952	1.0	2.5	1.1	0.4	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.1	5.8
1953	0.3	1.6	1.4	0.4	0.3	0.0	0.2	0.1	0.1	0.0	0.1	0.1	4.7
1954	0.2	1.5	1.2	0.5	0.3	0.2	0.1	0.2	0.0	0.0	0.0	0.1	4.4
1955	0.3	0.9	1.5	0.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	3.9
1956	0.7	2.1	1.1	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	4.7
1957	0.3	1.5	0.5	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.1	3.2
1958	0.4	1.8	0.7	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.2	3.7
1959	0.4	1.9	1.5	0.3	0.1	0.2	0.2	0.1	0.1	0.0	0.1	0.1	5.2
1960	0.6	1.5	1.1	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	4.1
1961	0.4	2.0	1.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	4.3
1962	0.5	1.1	1.0	0.3	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.2	3.6
1963	0.3	1.0	0.6	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.8
1964	0.3	1.2	1.6	0.4	0.3	0.2	0.2	0.1	0.0	0.0	0.1	0.1	4.6
1965	0.6	1.6	1.1	0.3	0.3	0.1	0.2	0.0	0.0	0.0	0.0	0.1	4.3
1966	0.4	1.1	0.7	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	2.9
1967	0.3	1.4	1.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.2	4.0
1968	0.2	1.3	1.2	0.3	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.2	3.6
1969	0.7	2.2	0.9	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	4.7

MCLEAN CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
90%	0.2	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
80%	0.2	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.4
70%	0.3	1.0	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.9
60%	0.3	1.1	0.8	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	3.5
50%	0.4	1.3	1.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	3.7
40%	0.5	1.5	1.1	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	3.9
30%	0.5	1.5	1.1	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	4.1
20%	0.6	1.8	1.3	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.2	4.5
10%	0.7	2.2	1.5	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	4.7
0%	1.5	2.5	1.6	0.7	0.4	0.3	0.4	0.2	0.1	0.1	0.1	0.2	5.8
MEAN	0.4	1.3	0.9	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	3.5

MARRON RIVER
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.1	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1922	0.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
1923	0.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
1924	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1925	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
1926	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1927	0.1	0.3	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	1.1
1928	0.3	1.1	0.3	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.0
1929	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1930	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1931	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1932	0.2	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1933	0.2	0.5	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6
1934	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
1935	0.1	0.6	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
1936	0.3	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1937	0.1	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1938	0.2	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1939	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1940	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1941	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.7
1942	0.3	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
1943	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
1944	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
1945	0.1	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
1946	0.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
1947	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1948	0.2	1.1	0.6	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.2
1949	0.2	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1950	0.1	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
1951	0.3	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
1952	0.5	0.9	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
1953	0.1	0.5	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
1954	0.1	0.6	0.4	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	1.6
1955	0.1	0.3	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
1956	0.4	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
1957	0.1	0.6	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
1958	0.2	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1959	0.3	0.9	0.6	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	2.1
1960	0.3	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
1961	0.1	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1962	0.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1963	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1964	0.1	0.5	0.6	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.6
1965	0.3	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
1966	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1967	0.1	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0
1968	0.1	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
1969	0.4	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5

MARRON RIVER

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
90%	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
80%	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
70%	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
60%	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
50%	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
40%	0.2	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
30%	0.2	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
20%	0.3	0.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
10%	0.3	0.9	0.5	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	1.7
0%	0.7	1.1	0.6	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	2.2
MEAN	0.2	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1

SHUTTLEWORTH CREEK

NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.4	3.1	2.4	0.5	0.3	0.0	0.2	0.0	0.0	0.1	0.0	0.1	7.1
1922	0.4	2.4	2.3	0.4	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.4	6.7
1923	0.5	1.7	1.7	0.4	0.2	0.0	0.1	0.0	0.0	0.0	0.2	0.2	5.0
1924	0.1	0.7	0.3	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	1.6
1925	0.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6
1926	0.3	0.5	0.2	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.2
1927	0.4	1.6	2.0	0.5	0.3	0.6	0.8	0.1	0.1	0.1	0.1	0.4	6.9
1928	0.8	4.3	2.0	0.8	0.2	0.1	0.1	0.4	0.0	0.0	0.0	0.2	9.0
1929	0.4	1.1	1.2	0.3	0.6	0.6	0.1	0.0	0.0	0.0	0.1	0.1	4.6
1930	0.8	1.0	1.1	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.2	4.4
1931	0.5	1.5	0.8	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	4.2
1932	0.8	2.8	1.9	0.3	0.4	0.1	0.1	0.2	0.0	0.0	0.0	0.2	6.9
1933	0.7	2.5	2.5	0.7	0.4	0.2	0.3	0.2	0.1	0.2	0.1	0.4	8.3
1934	2.5	2.2	1.0	0.4	0.4	0.0	0.1	0.3	0.1	0.0	0.2	0.4	7.5
1935	0.5	2.7	1.9	1.2	0.6	0.3	0.0	0.0	0.0	0.2	0.0	0.2	7.6
1936	1.1	2.8	1.6	0.5	0.3	0.1	0.1	0.0	0.1	0.0	0.0	0.2	6.9
1937	0.6	2.4	2.4	0.5	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.3	7.1
1938	0.9	2.8	1.5	0.4	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.2	6.5
1939	0.8	2.1	1.2	0.5	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.4	5.7
1940	0.9	2.1	1.1	0.3	0.2	0.3	0.0	0.0	0.0	0.1	0.0	0.4	5.5
1941	1.0	1.5	1.2	0.6	0.3	0.3	0.6	0.3	0.2	0.0	0.1	0.1	6.3
1942	1.0	2.8	2.4	0.8	0.3	0.1	0.0	0.0	0.0	0.0	0.1	0.1	7.7
1943	0.8	1.9	1.7	0.5	0.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0	5.6
1944	0.5	1.8	1.9	0.5	0.3	0.2	0.3	0.1	0.0	0.0	0.1	0.2	5.9
1945	0.5	3.8	2.4	0.5	0.4	0.0	0.2	0.0	0.1	0.1	0.0	0.3	8.2
1946	1.0	4.0	2.2	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.3	8.4
1947	0.7	1.4	0.9	0.2	0.3	0.1	0.2	0.1	0.0	0.0	0.0	0.1	4.1
1948	0.5	4.1	2.8	0.6	0.8	0.3	0.3	0.0	0.0	0.1	0.3	9.8
1949	0.9	2.5	0.9	0.4	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.2	5.4
1950	0.4	2.2	2.5	0.4	0.4	0.0	0.1	0.0	0.1	0.0	0.2	0.1	6.6
1951	0.8	3.1	1.4	0.5	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.2	6.6
1952	1.7	4.7	2.1	0.8	0.4	0.3	0.2	0.0	0.0	0.2	0.2	0.2	10.8
1953	0.6	2.9	2.6	0.8	0.6	0.0	0.3	0.3	0.1	0.0	0.2	0.2	8.7
1954	0.3	2.7	2.2	1.0	0.5	0.4	0.2	0.4	0.1	0.0	0.0	0.1	8.0
1955	0.4	1.7	2.8	1.0	0.4	0.2	0.1	0.0	0.1	0.1	0.0	0.3	7.1
1956	1.1	3.7	2.1	0.6	0.4	0.1	0.1	0.0	0.0	0.0	0.1	0.2	8.5
1957	0.5	2.8	1.1	0.2	0.4	0.3	0.1	0.0	0.1	0.1	0.2	0.2	5.9
1958	0.7	3.3	1.5	0.5	0.3	0.1	0.2	0.0	0.1	0.0	0.0	0.3	7.0
1959	0.7	3.4	2.8	0.6	0.2	0.5	0.4	0.1	0.2	0.1	0.2	0.2	9.4
1960	1.1	2.7	2.2	0.6	0.2	0.3	0.1	0.1	0.0	0.0	0.1	0.3	7.7
1961	0.7	3.7	2.3	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.1	0.1	8.0
1962	0.9	2.1	1.9	0.6	0.4	0.0	0.3	0.1	0.0	0.0	0.1	0.3	6.8
1963	0.5	1.8	1.1	0.6	0.5	0.3	0.1	0.1	0.0	0.0	0.0	0.2	5.3
1964	0.5	2.2	3.1	0.8	0.5	0.3	0.5	0.2	0.0	0.2	0.1	0.2	8.5
1965	1.1	2.9	2.1	0.5	0.5	0.2	0.3	0.1	0.0	0.0	0.1	0.2	8.0
1966	0.6	2.0	1.3	0.6	0.3	0.3	0.0	0.0	0.1	0.0	0.1	0.1	5.4
1967	0.5	2.6	3.0	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.4	7.6
1968	0.4	2.4	2.3	0.5	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.3	6.7
1969	1.2	4.0	1.7	0.5	0.3	0.1	0.2	0.1	0.0	0.0	0.2	0.2	8.6

SHUTTLEWORTH CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.1	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
90%	0.4	1.1	0.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	4.2
80%	0.4	1.7	1.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	5.4
70%	0.5	2.0	1.3	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	5.9
60%	0.5	2.2	1.7	0.5	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.2	6.6
50%	0.7	2.5	1.9	0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.1	0.2	6.9
40%	0.8	2.7	2.1	0.5	0.4	0.2	0.1	0.1	0.0	0.0	0.1	0.2	7.1
30%	0.8	2.8	2.3	0.6	0.4	0.3	0.2	0.1	0.1	0.0	0.1	0.3	7.7
20%	1.0	3.3	2.4	0.6	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.3	8.3
10%	1.1	4.0	2.8	0.8	0.5	0.3	0.3	0.3	0.1	0.1	0.2	0.4	8.7
0%	2.5	4.7	3.1	1.2	0.8	0.6	0.8	0.4	0.2	0.2	0.2	0.4	10.8
MEAN	0.7	2.5	1.8	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	6.7

PARK RILL
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.6	3.1	2.1	0.3	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.1	6.4
1922	0.5	2.3	1.9	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.3	5.7
1923	0.9	2.4	2.2	0.4	0.1	0.0	0.1	0.0	0.0	0.0	0.2	0.2	6.6
1924	0.5	2.1	0.7	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.2	0.2	4.2
1925	0.9	2.1	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	4.5
1926	1.2	1.4	0.5	0.3	0.1	0.0	0.2	0.1	0.0	0.0	0.0	0.1	3.8
1927	0.5	1.6	1.8	0.3	0.2	0.5	0.7	0.1	0.1	0.1	0.1	0.3	6.3
1928	1.2	4.8	1.7	0.6	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.2	9.0
1929	0.4	0.9	1.0	0.2	0.4	0.5	0.1	0.0	0.0	0.0	0.0	0.1	3.8
1930	0.9	0.8	0.9	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.2	3.5
1931	0.6	1.4	0.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.5
1932	1.1	2.6	1.6	0.1	0.2	0.0	0.1	0.2	0.0	0.0	0.0	0.2	6.1
1933	0.9	2.6	2.4	0.5	0.2	0.1	0.3	0.2	0.1	0.2	0.1	0.4	8.1
1934	3.3	1.7	0.6	0.2	0.2	0.0	0.1	0.3	0.0	0.0	0.1	0.3	6.9
1935	0.6	2.8	1.8	1.1	0.4	0.2	0.0	0.0	0.0	0.2	0.0	0.2	7.3
1936	1.4	2.5	1.2	0.2	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.2	6.0
1937	0.7	2.3	2.1	0.3	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.3	6.2
1938	1.1	2.5	1.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	5.4
1939	1.0	1.7	0.9	0.3	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.3	4.6
1940	1.0	1.7	0.7	0.1	0.1	0.2	0.0	0.0	0.0	0.1	0.0	0.3	4.2
1941	1.2	1.2	0.9	0.4	0.2	0.2	0.5	0.2	0.2	0.0	0.1	0.1	5.2
1942	1.3	2.8	2.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	7.1
1943	0.9	1.5	1.3	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	4.5
1944	0.6	1.5	1.5	0.3	0.2	0.1	0.2	0.1	0.0	0.0	0.1	0.1	4.8
1945	0.7	3.9	2.1	0.2	0.2	0.0	0.2	0.0	0.1	0.1	0.0	0.3	7.6
1946	1.4	4.2	1.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	8.3
1947	0.8	1.2	0.7	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1	3.4
1948	0.8	4.7	2.7	0.3	0.7	0.2	0.3	0.0	0.0	0.0	0.1	0.3	10.1
1949	1.1	2.4	0.7	0.2	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.1	4.9
1950	0.6	2.3	2.4	0.2	0.3	0.0	0.1	0.0	0.1	0.0	0.2	0.1	6.3
1951	1.2	3.3	1.2	0.3	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.2	6.6
1952	2.2	4.6	1.6	0.5	0.2	0.1	0.2	0.0	0.0	0.2	0.2	0.2	10.1
1953	0.8	2.8	2.3	0.5	0.4	0.0	0.3	0.2	0.1	0.0	0.2	0.2	7.7
1954	0.5	3.1	2.1	0.8	0.4	0.3	0.2	0.4	0.1	0.0	0.0	0.1	8.0
1955	0.6	1.7	2.7	0.8	0.2	0.1	0.1	0.0	0.1	0.1	0.0	0.3	6.8
1956	1.6	3.8	1.8	0.3	0.3	0.0	0.1	0.0	0.0	0.0	0.1	0.2	8.3
1957	0.6	2.9	0.8	0.1	0.3	0.2	0.1	0.0	0.1	0.1	0.2	0.2	5.5
1958	0.8	3.1	1.1	0.3	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.3	6.0
1959	1.0	3.8	2.8	0.3	0.1	0.3	0.4	0.1	0.2	0.1	0.2	0.2	9.6
1960	1.3	2.5	1.7	0.3	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.2	6.6
1961	0.8	3.4	1.7	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	6.6
1962	1.0	1.8	1.5	0.4	0.2	0.0	0.3	0.1	0.0	0.0	0.1	0.3	5.7
1963	0.5	1.6	0.8	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.2	4.3
1964	0.6	2.3	3.0	0.5	0.4	0.2	0.4	0.2	0.0	0.2	0.1	0.2	8.2
1965	1.4	2.7	1.8	0.3	0.3	0.1	0.3	0.1	0.0	0.0	0.1	0.2	7.2
1966	0.7	1.7	1.0	0.4	0.1	0.2	0.0	0.0	0.1	0.0	0.1	0.1	4.4
1967	0.6	2.3	2.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.3	6.3
1968	0.5	2.5	2.0	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.3	6.2
1969	1.6	4.0	1.3	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.2	0.2	8.0

PARK RILL

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.4	0.8	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
90%	0.5	1.4	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.8
80%	0.6	1.6	0.9	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	4.5
70%	0.6	1.7	1.0	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.2	5.2
60%	0.8	2.3	1.3	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.2	6.0
50%	0.9	2.4	1.6	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.2	6.3
40%	1.0	2.6	1.8	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.2	6.6
30%	1.1	2.8	2.0	0.4	0.2	0.1	0.2	0.1	0.0	0.0	0.1	0.3	7.1
20%	1.2	3.3	2.1	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.3	8.0
10%	1.4	4.0	2.5	0.6	0.4	0.2	0.3	0.2	0.1	0.1	0.2	0.3	8.3
0%	3.3	4.8	3.0	1.1	0.7	0.5	0.7	0.4	0.2	0.2	0.2	0.4	10.1
MEAN	1.0	2.5	1.6	0.3	0.2	0.1	0.2	0.1	0.0	0.1	0.1	0.2	6.3

VASEUX CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	1.6	10.9	8.6	1.8	0.9	0.0	0.5	0.1	0.1	0.3	0.1	0.3	25.3
1922	1.5	8.5	8.2	1.3	0.8	0.9	0.5	0.1	0.1	0.1	0.1	1.4	23.7
1923	3.0	11.1	11.1	2.7	1.3	0.2	0.5	0.2	0.2	0.2	1.0	1.2	32.7
1924	1.9	10.7	4.8	1.1	1.2	0.1	0.7	0.2	0.2	0.2	0.9	1.1	23.1
1925	3.6	11.3	5.8	1.2	0.5	0.0	0.3	0.1	0.2	0.6	0.1	1.2	25.0
1926	4.4	8.0	3.3	1.9	0.7	0.1	0.9	0.3	0.2	0.2	0.2	0.5	20.6
1927	1.8	7.2	8.8	2.0	1.3	2.5	3.4	0.6	0.4	0.3	0.5	1.6	30.3
1928	3.4	18.8	8.7	3.6	0.7	0.5	0.3	1.6	0.1	0.1	0.1	1.0	39.1
1929	1.6	4.7	5.5	1.4	2.6	2.8	0.4	0.2	0.2	0.2	0.2	0.6	20.5
1930	3.5	4.6	5.0	1.8	1.8	0.8	0.2	0.2	0.2	0.2	0.2	1.0	19.3
1931	2.3	6.9	3.7	2.6	0.8	0.2	0.2	0.2	0.2	0.2	0.2	1.4	18.8
1932	3.7	12.1	8.6	1.2	1.7	0.5	0.3	0.8	0.1	0.1	0.1	0.8	30.1
1933	2.9	10.8	11.1	2.9	1.5	0.8	1.1	0.9	0.5	1.1	0.6	1.9	36.1
1934	10.6	9.8	4.4	1.7	1.7	0.0	0.6	1.2	0.2	0.1	0.7	1.5	32.6
1935	2.0	11.7	8.6	5.4	2.5	1.1	0.1	0.2	0.2	0.7	0.1	0.7	33.3
1936	4.9	12.3	7.2	2.0	1.3	0.4	0.7	0.1	0.3	0.1	0.1	0.9	30.5
1937	2.4	10.7	10.8	2.4	1.0	0.9	0.9	0.2	0.2	0.2	0.2	1.4	31.2
1938	3.9	12.4	6.5	1.8	0.9	1.0	0.2	0.2	0.2	0.2	0.2	1.0	28.5
1939	3.6	9.2	5.5	2.1	0.9	0.7	0.2	0.3	0.6	0.2	0.2	1.7	25.2
1940	3.9	9.2	4.9	1.3	0.8	1.1	0.2	0.2	0.2	0.3	0.2	1.6	23.9
1941	4.5	6.6	5.4	2.5	1.4	1.4	2.5	1.2	0.9	0.2	0.6	0.7	27.7
1942	4.2	12.3	10.3	3.5	1.2	0.5	0.1	0.1	0.1	0.1	0.6	0.3	33.5
1943	3.5	8.3	7.6	2.3	1.0	0.2	0.8	0.2	0.2	0.2	0.4	0.2	24.7
1944	2.3	7.9	8.5	2.0	1.5	0.9	1.2	0.5	0.2	0.2	0.4	0.7	26.1
1945	2.2	16.4	10.6	2.0	1.5	0.0	0.8	0.2	0.2	0.4	0.2	1.4	35.9
1946	4.3	17.3	9.5	1.8	1.5	0.1	0.1	0.1	0.1	0.1	0.2	1.2	36.6
1947	2.9	6.4	4.2	1.1	1.1	0.6	0.7	0.5	0.1	0.1	0.1	0.4	18.3
1948	2.3	17.7	12.2	2.4	3.5	1.3	1.4	0.1	0.1	0.1	0.2	1.1	42.7
1949	3.7	11.1	4.2	1.5	1.3	0.3	0.1	0.3	0.1	0.1	0.1	0.7	23.5
1950	1.7	9.7	11.2	1.8	1.8	0.2	0.6	0.1	0.3	0.1	0.8	0.6	29.0
1951	3.6	13.5	6.3	2.0	0.5	0.9	0.5	0.2	0.1	0.1	0.6	0.7	29.0
1952	7.1	20.4	9.1	3.5	1.8	1.1	1.0	0.2	0.2	0.8	0.8	0.9	46.9
1953	2.6	12.7	11.7	3.4	2.6	0.2	1.2	1.2	0.5	0.2	1.0	1.0	38.4
1954	1.5	11.9	9.5	4.2	2.1	1.8	1.0	1.7	0.4	0.1	0.1	0.6	35.0
1955	1.9	7.3	12.4	4.5	1.6	0.8	0.6	0.1	0.2	0.2	0.1	1.3	31.2
1956	4.8	16.1	9.3	2.4	1.8	0.5	0.6	0.1	0.2	0.1	0.2	0.8	37.2
1957	1.9	12.2	4.6	1.0	1.8	1.1	0.2	0.2	0.3	0.6	0.7	0.9	25.6
1958	2.9	14.3	6.4	2.1	1.2	0.5	0.8	0.1	0.4	0.1	0.1	1.4	30.5
1959	2.1	10.2	8.5	1.7	0.7	1.3	1.2	0.4	0.6	0.2	0.6	0.6	28.2
1960	2.5	6.6	5.3	1.4	0.5	0.6	0.3	0.1	0.1	0.1	0.3	0.6	18.4
1961	2.6	14.6	8.9	2.1	1.6	0.0	0.2	0.2	0.2	0.2	0.4	0.5	31.3
1962	2.6	6.4	5.7	1.9	1.1	0.1	1.0	0.3	0.1	0.1	0.3	1.0	20.5
1963	2.0	8.2	5.0	2.8	2.0	1.2	0.4	0.3	0.2	0.2	0.2	1.1	23.5
1964	1.1	5.4	7.5	1.8	1.3	0.7	1.1	0.5	0.1	0.5	0.3	0.4	20.7
1965	4.0	11.1	8.2	2.1	1.9	0.7	1.2	0.3	0.1	0.1	0.3	0.8	30.8
1966	1.0	3.5	2.3	1.0	0.4	0.5	0.1	0.1	0.1	0.1	0.2	0.3	9.6
1967	2.0	11.2	13.2	1.6	1.2	0.8	0.2	0.2	0.2	0.2	0.8	1.8	33.3
1968	1.6	10.6	9.9	2.2	1.6	0.9	0.4	0.5	0.1	0.1	0.1	1.3	29.3
1969	5.3	17.6	7.7	2.1	1.3	0.3	0.7	0.6	0.2	0.2	0.9	1.0	37.7

VASEUX CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	1.0	3.5	2.3	1.0	0.4	0.0	0.1	0.1	0.1	0.1	0.1	0.2	9.6
90%	1.6	6.4	4.2	1.2	0.7	0.0	0.1	0.1	0.1	0.1	0.1	0.4	19.3
80%	1.9	7.2	5.0	1.4	0.8	0.2	0.2	0.1	0.1	0.1	0.1	0.6	23.1
70%	2.0	8.3	5.5	1.8	1.0	0.3	0.3	0.2	0.1	0.1	0.2	0.7	24.7
60%	2.3	9.8	6.5	1.8	1.2	0.5	0.4	0.2	0.2	0.1	0.2	0.8	26.1
50%	2.6	10.8	8.2	2.0	1.3	0.6	0.6	0.2	0.2	0.2	0.2	1.0	29.0
40%	3.4	11.2	8.6	2.1	1.5	0.8	0.7	0.3	0.2	0.2	0.3	1.0	30.5
30%	3.6	12.2	9.1	2.4	1.6	0.9	0.8	0.3	0.2	0.2	0.5	1.2	32.6
20%	4.0	13.5	10.3	2.7	1.8	1.1	1.0	0.5	0.3	0.3	0.6	1.4	35.0
10%	4.8	17.3	11.2	3.5	2.1	1.3	1.2	1.2	0.5	0.6	0.8	1.6	37.7
0%	10.6	20.4	13.2	5.4	3.5	2.8	3.4	1.7	0.9	1.1	1.0	1.9	46.9
MEAN	3.1	10.8	7.7	2.2	1.4	0.7	0.7	0.4	0.2	0.2	0.4	1.0	28.7

LOW AREA 3
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1922	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1923	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1924	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1925	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1926	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1927	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1928	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1929	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1930	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1931	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1932	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1933	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1934	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1935	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1936	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1937	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1938	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1939	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1940	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1941	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1942	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1943	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1944	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1945	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1946	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1947	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1948	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1949	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1950	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1951	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1952	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1953	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1954	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1955	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1956	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1957	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1958	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1959	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1960	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1961	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1964	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1965	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1967	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1968	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1969	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3

LOW AREA 3

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
60%	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
50%	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
40%	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
30%	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
20%	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
10%	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
0%	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
MEAN	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

WOLFCUB CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.2	0.9	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
1922	0.2	0.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5
1923	0.3	0.7	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.8
1924	0.1	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1925	0.3	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2
1926	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1927	0.2	0.5	0.5	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.1	1.8
1928	0.4	1.5	0.5	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.7
1929	0.1	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1930	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1931	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8
1932	0.3	0.7	0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
1933	0.3	0.8	0.7	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	2.4
1934	1.0	0.5	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.0
1935	0.2	0.9	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
1936	0.4	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
1937	0.2	0.7	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
1938	0.3	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.4
1939	0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
1940	0.3	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0
1941	0.4	0.3	0.2	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	1.4
1942	0.4	0.8	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
1943	0.3	0.4	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
1944	0.2	0.4	0.4	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.2
1945	0.2	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.1
1946	0.5	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.5
1947	0.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1948	0.3	1.5	0.8	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1	3.1
1949	0.3	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
1950	0.2	0.7	0.7	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.8
1951	0.4	1.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
1952	0.7	1.4	0.4	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.9
1953	0.2	0.8	0.6	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	2.1
1954	0.2	0.9	0.6	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	2.3
1955	0.2	0.5	0.8	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
1956	0.5	1.1	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.4
1957	0.2	0.9	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6
1958	0.2	0.8	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6
1959	0.3	1.1	0.8	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	2.8
1960	0.4	0.7	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.8
1961	0.2	1.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
1962	0.3	0.5	0.4	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	1.5
1963	0.1	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
1964	0.2	0.7	0.9	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.0	2.4
1965	0.4	0.8	0.5	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.1
1966	0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
1967	0.2	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
1968	0.1	0.7	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
1969	0.5	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.3

WOLFCUB CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
90%	0.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
80%	0.2	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
70%	0.2	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
60%	0.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6
50%	0.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
40%	0.3	0.7	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.8
30%	0.3	0.8	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
20%	0.4	1.0	0.6	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.3
10%	0.5	1.2	0.7	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	2.5
0%	1.0	1.5	0.9	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	3.1
MEAN	0.3	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7

LOW AREA 2
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.2	0.9	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
1922	0.2	0.7	0.6	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.8
1923	0.2	0.7	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.0
1924	0.1	0.6	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3
1925	0.3	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.4
1926	0.3	0.5	0.2	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.2
1927	0.1	0.5	0.6	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.1	1.9
1928	0.3	1.4	0.5	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.6
1929	0.1	0.3	0.3	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2
1930	0.3	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
1931	0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
1932	0.3	0.8	0.5	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	1.9
1933	0.3	0.8	0.7	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.1	2.4
1934	0.9	0.6	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	2.1
1935	0.2	0.8	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.2
1936	0.4	0.8	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.9
1937	0.2	0.7	0.7	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	1.9
1938	0.3	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7
1939	0.3	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5
1940	0.3	0.6	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.4
1941	0.4	0.4	0.3	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	1.7
1942	0.3	0.8	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
1943	0.3	0.5	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
1944	0.2	0.5	0.5	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.5
1945	0.2	1.1	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.3
1946	0.4	1.3	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.5
1947	0.2	0.4	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
1948	0.2	1.3	0.8	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.9
1949	0.3	0.7	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
1950	0.2	0.7	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.9
1951	0.3	1.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
1952	0.6	1.4	0.5	0.2	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.1	3.0
1953	0.2	0.9	0.7	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	2.4
1954	0.1	0.9	0.6	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	2.3
1955	0.2	0.5	0.8	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
1956	0.4	1.1	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.5
1957	0.2	0.9	0.3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.7
1958	0.2	1.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.9
1959	0.3	1.1	0.8	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	2.8
1960	0.4	0.8	0.6	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.1
1961	0.2	1.1	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
1962	0.3	0.6	0.5	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	1.8
1963	0.2	0.5	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.4
1964	0.2	0.7	0.9	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	2.4
1965	0.4	0.8	0.6	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.2
1966	0.2	0.5	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.4
1967	0.2	0.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
1968	0.1	0.7	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.9
1969	0.4	1.2	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.4

LOW AREA 2

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
90%	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
80%	0.2	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
70%	0.2	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
60%	0.2	0.7	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.9
50%	0.2	0.7	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.9
40%	0.3	0.8	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
30%	0.3	0.9	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.2
20%	0.3	1.0	0.7	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	2.4
10%	0.4	1.2	0.8	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	2.5
0%	0.9	1.4	0.9	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	3.0
MEAN	0.3	0.8	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.9

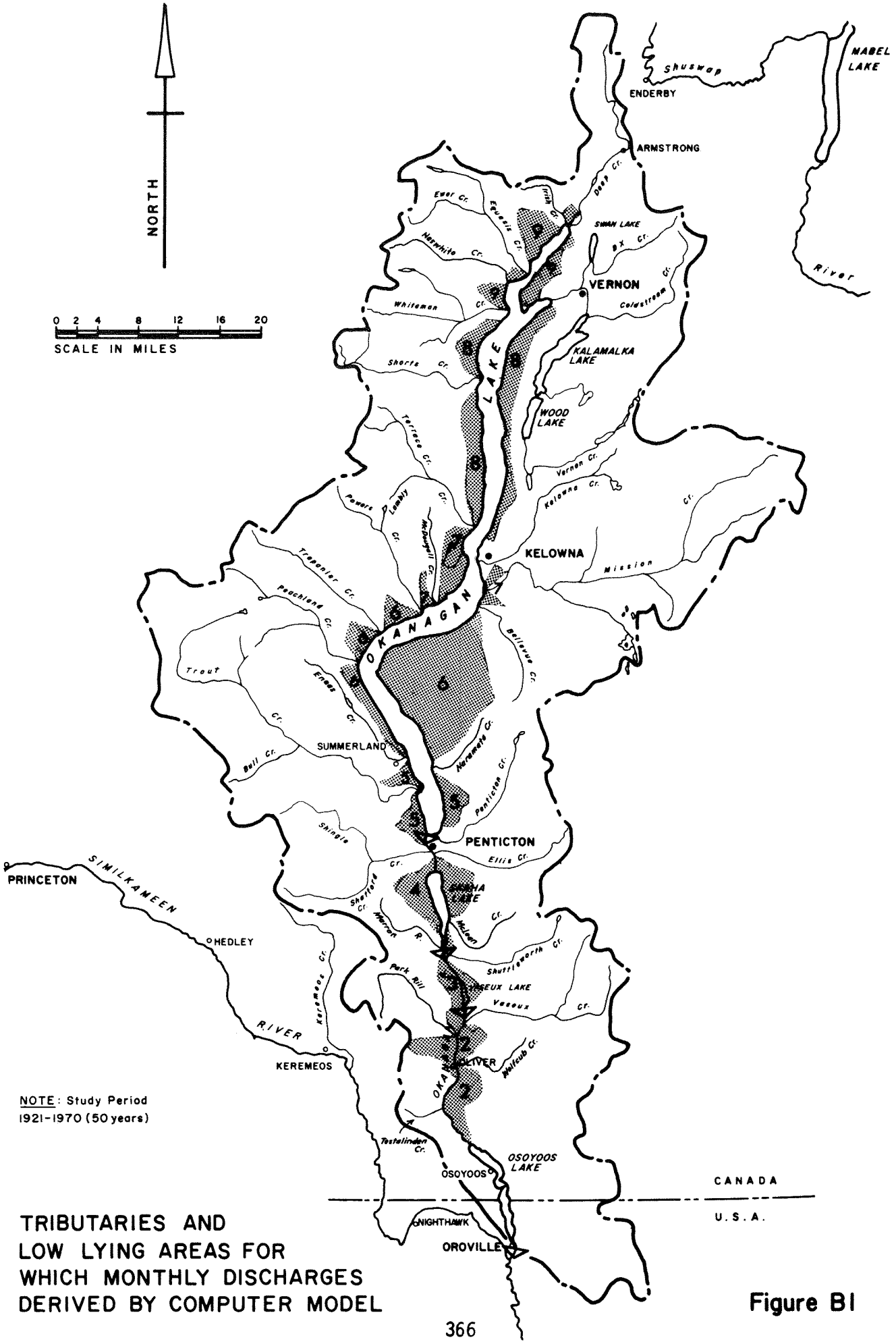
TESTALINDEN CREEK
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NATURAL (VIRGIN) INFLOWS IN THOUSANDS OF ACRE-FEET

YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
1921	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1922	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
1923	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1924	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1925	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1926	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1927	0.1	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.7
1928	0.1	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1929	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1930	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1931	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1932	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1933	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1934	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1935	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1936	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1937	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1938	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
1939	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1940	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1941	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.6
1942	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1943	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1944	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1945	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1946	0.2	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1947	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1948	0.1	0.5	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
1949	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1950	0.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1951	0.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1952	0.2	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
1953	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1954	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1955	0.1	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1956	0.2	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1957	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
1958	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
1959	0.1	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1960	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1961	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1962	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
1963	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1964	0.1	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1965	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1966	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1967	0.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1968	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1969	0.2	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8

TESTALINDEN CREEK

FLOW EXCEEDED	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
100%	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
90%	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
80%	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
70%	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
60%	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
50%	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
40%	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
30%	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
20%	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
10%	0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
0%	0.3	0.5	0.3	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.1
MEAN	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7



NOTE: Study Period
1921-1970 (50 years)

TRIBUTARIES AND
LOW LYING AREAS FOR
WHICH MONTHLY DISCHARGES
DERIVED BY COMPUTER MODEL

Figure B1

APPENDIX C

SELECTED MAINSTEM WATER QUANTITY MODEL RESULTS

C-I Mainstem Operating Model - Description

C-2 Mainstem Operating Model Results

APPENDIX C-1

MAINSTEM OPERATING MODEL

(DESCRIPTION)

C.1.1 Introduction

C.1.2 Alternatives

C.1.3 Layout of Results

C.1.4 Discussion

APPENDIX C-1

MAINSTEM OPERATING MODEL

(DESCRIPTION)

C.1.1 INTRODUCTION

Details of the mainstem operating model extending from Okanagan Lake Dam downstream along the Okanagan River to hydrometric station 8NM85 some 4 miles south of Oliver are contained in Technical Supplement II - Water Quantity Computer Models. More than 40 simulation runs were made using this model and from these 8 key runs have been selected for inclusion in this Technical Supplement (Appendix C2) as listed in Table C.1.

As the model was used in the evaluation of alternatives, it was essential that, for comparative purposes, one run should simulate as closely as possible the present operating conditions. The first run No. 0, later updated in run No. 33, are both based on present operational practices which assume all consumptive uses are met at all times on Okanagan Lake and along Okanagan River. These runs also provide for minimum residual flows of 300 cfs and 100 cfs during the irrigation season (April to September inclusive) and non irrigation season respectively with sockeye minimum fishery flows met only when there is an excess of water.

C.1.2 ALTERNATIVES

Computer runs 0 and 33 as well as alternatives 4 and 30 (Table C.1) have been operated under 1970 and 2020 levels of development. It should be noted that the latter was based on the first economic projections for 2020 and subsequently projections for 2020 shown in Table C.1 (Computer runs 37, 38 and 42) differ from the earlier projections (Table C.2). It is evident that the first economic growth projection falls considerably short of the 3 later projections with respect to land irrigated so that computer output for runs 0, 3, 4, 30 and 33 are not comparable with runs 37, 38 and 42 for the year 2020. They do, however, provide a basis for determining the sensitivity of water requirements versus growth.

C.1.3 LAYOUT OF RESULTS

To be readily assimilated and to cut down the volume of paper produced by the program, the majority of the output was presented in the form of frequency tables as follows:

a) A frequency analysis of Okanagan Lake by month and by years in 0.5 increments. The figures given are percentages of months over the 50 years of record and 10 random numbers. The figures under the heading "Year" are also as percent-

TABLE C.1

SELECTED COMPUTER RUNS-MAINSTEM MODELLING

Run No.	Level of Development		Minimum Flow cfs	Minimum Fishery Flows All Times		Utilization of Design Channel Capacity	Import Shuswap River Water
	1970	2020		No	Yes		
0	Yes	Yes*	300	✓		80%	No
3	Yes	Yes*	100	✓		80%	No
4	Yes	Yes*	100		✓	80%	No
30	Yes	Yes*	300		✓	80%	Yes
33	Yes	Yes	300	✓		70%	No
37		2020 Projections 1, 3 and 4	300		✓	70%	No
38		2020 Projections 1, 3 and 4	100		✓	70%	No
42		2020 Projections 1, 3 and 4	300		** ✓	70%	No

*Runs 0, 3, 4 and 30 for 2020 level development were based on first economic growth projections prepared for study. These were subsequently modified under Projections 1, 3 and 4. Hence 2020 computer results for above mentioned 4 runs not exactly comparable to Projections 1, 3 and 4 under runs 37, 38 and 42 although differences are not considered significant because of lack of sensitivity of water demands to projects.

**Fishery demands not totally met.

TABLE C.2

ECONOMIC PROJECTIONS FOR YEAR 2020

USED IN MAINSTEM OPERATING MODEL

Economic Projections	Population	Land Irrigated (Acres)	Remarks
First Economic Projection			
Region 1	242,550	17,000	Okanagan Lake
Region 2	73,200	3,800	Okanagan River Penticton-Okanagan Falls
Region 3	6,750	1,200	Okanagan Falls - Vaseux Lake Dam
Region 4	10,150	6,650	Vaseux Lake Dam - Oliver Gauging Station
Region 5	5,600*	5,980*	Oliver Gauging-Osoyoos Station
Total	338,250	34,630	
Second Economic Projection			
Projection 1			
Region 1	340,100	39,020	Medium Growth
Region 2	22,800	2,630	
Region 3	8,100	4,970	
Region 4	11,200	420	
Region 5	8,800	5,660	
Total	391,000	52,700	
Projection 3			
Region 1	252,600	39,020	Low Growth
Region 2	16,900	2,600	
Region 3	6,500	4,910	
Region 4	8,400	820	
Region 5	5,600	5,980	
Total	290,000	53,330	
Projection 4			
Region 1	340,100	47,420	Medium Growth and Indian Lands
Region 2	22,800	5,780	
Region 3	8,100	4,970	
Region 4	11,200	2,160	
Region 5	8,800	6,070	
Total	391,000	66,400	

* Estimated - First Projection did not include Osoyoos Lake area although allowance made for it in computer model by stipulating minimum flow at Oliver.

ages of months.

b) The maximum, minimum and mean elevations of Okanagan Lake for the 50 (1921-1970) year period of record by months.

c) Three tables containing frequency analysis of discharge from Okanagan Lake and at Vaseux Lake Dam (SOLID) and discharges at Gauge 8NM85 south of Oliver. Again, the figures given are percentages of months over the 50 years of record and 10 random numbers. Each table is followed by the maximum, minimum and mean discharges in cfs.

d) A table showing Okanagan Lake levels (end of month) and discharges at Penticton for each month of the 50 year period of the study. The figures given are the first random number loop only. It should be noted that the minimum flows always appear in this table, because, if the reservoir is low, the release from the lake is identical for all random numbers as the release is to satisfy downstream requirements rather than for flood control and is independent of the forecast inflow.

e) A table showing the flows in the Okanagan at the Oliver gauge for each month of the 50 year study period. The figures shown are the first random number loop only.

C.1.4 DISCUSSION

A summary of results showing Okanagan Lake minimum elevations under 1970 and 2020 levels of development taken from Technical Supplement II is shown in Tables C.3 and C.4. The concluding remarks of that Technical Supplement are as follows:

"This model, developed to simulate the operation of the Okanagan mainstem system, proved to be a most powerful tool in the evaluation of the various water management policies examined. Although the model was quite sophisticated internally, by keeping the output relatively simple and short it was found that the evaluators from all disciplines involved in the study were able to understand and use the results. This provided a common base from which all facets of the evaluation could be assessed and was the necessary link in the complicated process of reaching a consensus".

TABLE C.3

EXTREME LOW OKANAGAN LAKE LEVELS

AS CALCULATED BY COMPUTER SIMULATIONS

1970 LEVEL OF DEVELOPMENT

Run No.	Irrigation Season (April-Sept) Inclusive Residual Flow	Salmon Fishery Minimum Flows Met?		Diversion		Lowest Level Attained by Lake (Below 1119.8)	
		All Times	When Surplus Water	Capacity	Months of Diversion	1929-31	1926
	cfs						
0		No	Yes	N/A	N/A		
3	100	No	Yes	N/A	N/A	-0.6	+0.7
4	100	Yes		N/A	N/A	-2.0	+0.2
30	300	Yes		N/A	N/A	+0.3	+0.4
33	300	No	Yes	N/A	N/A	-3.2	-0.6

Note: Maximum level attained by Okanagan Lake +4.9 feet for all runs ±0.1 feet.

TABLE C.4

EXTREME LOW OKANAGAN LAKE LEVELS

AS CALCULATED BY COMPUTER SIMULATIONS

2020 LEVEL OF DEVELOPMENT

Run No.	Projection	Irrigation Season (April-Sept Inclusive) Residual Flow	Salmon Fishery Minimum Flows Met		Diversion		Lowest Level Attained by Lake (Below 1119.8)	
			All Times	When Surplus Water	Capacity	Months of Diversion	1929-31	1926
		cfs						
37	Sc1	300	No	Yes	N/A	N/A	-4.3	-1.6
	Sc3	300	No	Yes	N/A	N/A	-3.8	-1.0
	Sc4							
38	Sc1	100	Yes		N/A	N/A	-4.0	-1.2
	Sc3	100	Yes		N/A	N/A	-3.5	-0.6
	Sc4							
42	Sc1	100	Yes		500	7	-1.2	-0.1
	Sc3	100	Yes		500	7	-0.7	+0.2
	Sc4							

APPENDIX C-2

SELECTED MAINSTEM OPERATING MODEL RESULTS

OKANAGAN RIVER SYSTEM
****

1970 LEVEL OF DEVELOPMENT

1

MINIMUM FLOW REQUIREMENTS - CFS 300.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHING REQUIREMENTS - CFS	MAX	0.	0.	0.	0.	0.	0.	470.	470.	0.	0.	0.	0.
	MIN	100.	100.	0.	0.	0.	0.	100.	100.	100.	100.	100.	100.

CHANNEL CAPACITY - CFS

0.	OKANAGAN LAKE - NORTH OF PENTICTON
1680.	PENTICTON TO SKAHA LAKE DAM
2160.	SKAHA LAKE DAM TO VASEUX LAKE
2720.	VASEUX LAKE TO GAUGE NM-85 AT OLIVER

LAKE LEVEL ADJUSTED IN NOV-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

FULL DOWNSTREAM REQUIREMENTS AND MINIMUM FLOWS SATISFIED
NO IMPORTATION OF WATER FROM FRASER SYSTEM

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED
OPERATED FROM 1921-1970

(0 FT = 1119.8)

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.2
-3.0 TO -2.5	2.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	1.0
-2.5 TO -2.0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
-2.0 TO -1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.5 TO -1.0	2.0	2.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	1.2
-1.0 TO -0.5	0.0	1.6	2.0	0.0	0.0	0.0	4.0	4.0	2.0	0.0	0.0	0.0	1.1
-0.5 TO 0.0	4.2	8.8	2.0	0.0	0.0	4.0	0.0	2.0	4.0	4.0	4.0	4.0	3.2
0.0 TO 0.5	9.8	5.2	0.0	0.0	4.0	2.0	2.2	0.2	2.2	4.2	4.2	2.2	3.0
0.5 TO 1.0	13.8	15.4	4.0	4.0	2.0	4.2	6.0	7.8	5.8	3.8	3.8	5.8	6.4
1.0 TO 1.5	54.8	40.2	3.2	0.0	4.2	6.0	6.4	7.6	7.2	9.4	84.0	74.4	24.8
1.5 TO 2.0	11.4	22.0	3.4	6.2	4.6	11.0	13.8	19.2	42.4	65.8	0.0	9.6	17.4
2.0 TO 2.5	0.0	1.2	27.4	4.8	6.6	11.2	20.4	35.2	27.2	8.8	0.0	0.0	11.9
2.5 TO 3.0	0.0	1.6	26.0	10.4	17.2	23.2	28.4	16.2	7.2	0.0	0.0	0.0	10.8
3.0 TO 3.5	0.0	0.0	28.0	19.0	31.2	28.4	11.0	5.8	0.0	0.0	0.0	0.0	10.3
3.5 TO 4.0	0.0	0.0	2.8	50.2	27.8	8.0	5.8	0.0	0.0	0.0	0.0	0.0	7.9
4.0 TO 4.5	0.0	0.0	1.0	2.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
4.5 TO 5.0	0.0	0.0	0.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
5.0 TO 5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1121.6	1122.7	1124.3	1124.6	1124.0	1123.5	1123.5	1123.1	1122.5	1121.9	1121.3	1121.4	1124.6
MEAN	1120.7	1120.8	1122.3	1122.9	1122.6	1122.1	1121.9	1121.6	1121.4	1121.2	1121.0	1120.6	1121.6
MIN	1117.1	1117.6	1118.9	1118.8	1118.4	1117.6	1117.2	1117.0	1117.0	1117.0	1116.9	1116.8	1116.8
RANGE	4.5	5.1	5.4	5.8	5.6	5.9	6.3	6.0	5.5	4.9	4.4	4.7	7.8

RUN 0 - 1970 DEV.

2

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	80.0	0.0	0.0	0.0	0.0	0.0	0.0	22.6	22.6	22.6	22.6	36.0	17.2
100 TO 125	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.3
125 TO 150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	0.0	0.7
150 TO 175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.0	0.2
175 TO 200	0.4	0.0	0.0	0.0	0.0	0.0	0.0	4.6	4.6	4.6	4.6	0.0	1.6
200 TO 250	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.0	0.3
250 TO 300	1.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0	6.0	0.0	2.1
300 TO 500	1.8	73.6	70.0	57.4	83.2	88.0	100.0	26.0	26.0	26.0	26.0	0.0	48.2
500 TO 1000	3.4	5.8	8.6	14.8	10.2	11.8	0.0	32.8	32.8	32.8	32.8	54.0	20.0
1000 TO 1500	3.0	6.0	20.8	21.0	6.0	0.2	0.0	4.4	4.4	4.4	4.4	10.0	7.0
1500 TO 2000	7.4	14.6	0.6	6.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1680.0	1669.5	1521.0	1680.0	1680.0	1240.8	356.4	1037.3	1037.3	1037.3	1037.3	1232.1	1680.0
MEAN	256.7	578.2	553.1	666.7	484.6	440.6	328.9	415.5	415.8	415.6	415.1	595.4	464.0
MIN	50.0	300.0	300.0	300.0	300.0	364.4	300.0	52.9	57.9	58.5	57.7	63.4	50.0
RANGE	1630.0	1369.5	1221.0	1380.0	1380.0	876.4	56.4	984.4	979.4	978.8	979.7	1168.7	1630.0

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	78.6	0.0	0.0	0.0	0.0	0.0	0.0	22.8	22.6	22.6	22.6	36.0	17.1
125 TO 150	0.4	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.2	0.2	0.0	0.0	0.2
150 TO 175	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.4	2.2	2.4	0.0	0.8
175 TO 200	1.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	4.0	2.4	0.4	0.0	1.0
200 TO 250	0.6	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.2	3.0	5.0	0.0	0.9
250 TO 300	1.0	0.0	0.0	24.8	34.8	34.0	34.0	4.0	4.4	5.6	6.0	0.0	12.4
300 TO 500	2.4	73.0	60.4	33.6	49.8	64.0	66.0	25.6	24.6	22.0	24.6	0.0	37.2
500 TO 1000	3.0	5.8	15.2	10.4	11.2	1.8	0.0	34.2	34.8	37.4	34.4	52.0	20.0
1000 TO 1500	3.4	4.4	7.8	19.6	3.6	0.2	0.0	4.6	5.8	4.6	4.6	12.0	5.9
1500 TO 2000	7.4	16.8	16.6	11.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1687.8	1706.5	1711.5	1691.5	1666.9	1226.3	394.4	1054.5	1058.4	1048.9	1065.3	1262.1	1711.5
MEAN	287.5	646.3	720.8	714.9	424.5	350.1	305.3	432.7	437.2	438.3	439.8	621.4	484.9
MIN	100.0	303.3	313.3	300.0	300.0	300.0	300.0	100.0	100.0	100.0	100.0	100.0	100.0
RANGE	1587.8	1403.2	1398.2	1391.5	1366.9	926.3	94.4	953.5	958.4	948.9	965.3	1162.1	1611.5

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 1970 LEVEL OF DEVELOPMENT

YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.8	1120.8	1122.9	1123.5	1123.2	1122.6	1122.2	1121.9	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	83.4	300.0	300.0	1354.9	396.7	473.8	341.6	384.1	384.1	384.1	384.1	635.4
1922	LEVEL - FT	1120.9	1120.9	1122.7	1123.3	1122.8	1122.3	1122.1	1121.9	1121.6	1121.5	1121.3	1120.8
	OUTFLOW - CFS	76.7	300.0	300.0	300.0	446.4	458.9	317.2	346.5	346.5	346.5	346.5	707.6
1923	LEVEL - FT	1121.1	1120.8	1122.4	1123.5	1123.4	1122.9	1122.5	1122.2	1121.9	1121.8	1121.3	1121.4
	OUTFLOW - CFS	58.5	1074.6	300.0	1165.6	362.8	447.3	338.2	363.0	363.0	363.0	363.0	70.0
1924	LEVEL - FT	1121.6	1121.4	1122.4	1122.3	1121.6	1121.0	1120.5	1120.5	1120.5	1120.5	1120.6	1120.7
	OUTFLOW - CFS	71.8	300.0	300.0	354.2	481.3	487.1	344.9	76.1	81.1	81.7	75.9	76.6
1925	LEVEL - FT	1120.7	1121.1	1122.7	1123.1	1122.4	1121.7	1121.1	1121.0	1120.8	1120.9	1121.2	1121.1
	OUTFLOW - CFS	81.7	300.0	325.0	314.4	461.4	526.8	348.2	82.7	96.0	75.1	65.9	91.6
1926	LEVEL - FT	1121.2	1121.5	1122.0	1121.5	1120.9	1120.2	1119.8	1119.8	1119.8	1119.7	1119.8	1119.7
	OUTFLOW - CFS	75.1	300.0	300.0	416.1	458.0	508.6	341.6	74.4	81.1	90.0	77.5	93.2
1927	LEVEL - FT	1119.6	1119.5	1120.4	1121.5	1121.2	1120.7	1121.1	1121.5	1121.5	1121.5	1121.3	1120.8
	OUTFLOW - CFS	93.3	300.0	300.0	300.0	400.0	440.6	300.0	467.7	467.7	467.7	467.7	868.7
1928	LEVEL - FT	1120.3	1120.9	1124.3	1124.6	1124.0	1123.4	1123.0	1122.4	1122.4	1121.7	1121.3	1121.2
	OUTFLOW - CFS	1170.6	300.0	1305.5	1611.4	1640.0	487.1	333.3	619.3	619.3	619.3	619.3	89.9
1929	LEVEL - FT	1121.3	1121.1	1121.1	1121.4	1120.8	1120.5	1120.6	1120.5	1120.3	1120.2	1120.1	1120.1
	OUTFLOW - CFS	73.4	300.0	300.0	317.7	476.3	389.3	300.0	81.1	81.1	90.0	90.8	83.3
1930	LEVEL - FT	1120.2	1120.4	1120.5	1120.6	1120.1	1119.6	1119.2	1119.0	1119.0	1118.7	1118.7	1118.6
	OUTFLOW - CFS	81.7	300.0	300.0	331.0	484.6	447.3	328.3	91.0	86.1	90.0	85.8	94.9
1931	LEVEL - FT	1118.7	1118.6	1118.9	1118.8	1118.4	1117.6	1117.2	1117.0	1117.0	1117.0	1116.9	1116.8
	OUTFLOW - CFS	80.1	300.0	300.0	357.5	408.3	525.2	334.9	89.4	81.1	83.4	90.8	89.9
1932	LEVEL - FT	1117.1	1117.6	1119.4	1120.3	1119.9	1119.6	1119.2	1119.1	1119.4	1119.3	1119.3	1119.3
	OUTFLOW - CFS	55.2	300.0	300.0	300.0	428.2	420.8	328.3	74.4	57.9	88.4	84.2	81.5
1933	LEVEL - FT	1119.5	1119.7	1121.4	1123.1	1123.1	1122.6	1122.5	1122.2	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	80.1	300.0	300.0	300.0	344.6	457.2	310.6	846.8	846.8	846.8	846.8	877.4
1934	LEVEL - FT	1121.2	1122.7	1123.3	1123.2	1122.8	1122.4	1122.1	1121.7	1121.6	1121.5	1121.3	1120.8
	OUTFLOW - CFS	50.0	1435.8	1035.0	352.5	411.6	427.4	326.6	510.9	510.9	510.9	510.9	961.9
1935	LEVEL - FT	1121.1	1120.7	1122.2	1123.4	1123.5	1123.4	1123.2	1122.6	1122.0	1121.6	1121.3	1120.8
	OUTFLOW - CFS	55.2	1633.1	300.0	300.0	1232.7	365.9	318.9	815.2	815.2	815.2	815.2	638.7
1936	LEVEL - FT	1120.9	1121.6	1123.3	1123.5	1123.3	1122.8	1122.4	1122.1	1121.6	1121.6	1121.3	1120.8
	OUTFLOW - CFS	76.7	300.0	624.5	1018.7	372.8	460.5	330.0	328.3	328.3	328.3	328.3	973.2
1937	LEVEL - FT	1120.9	1121.0	1122.5	1123.5	1123.3	1122.7	1122.4	1122.0	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	73.4	300.0	300.0	910.6	376.8	488.7	325.0	548.5	548.5	548.5	548.5	874.1
1938	LEVEL - FT	1121.0	1121.1	1122.9	1123.3	1122.8	1122.2	1122.0	1121.7	1121.4	1121.3	1121.3	1121.2
	OUTFLOW - CFS	68.5	694.2	300.0	311.1	419.9	483.7	318.9	261.2	261.2	261.2	261.2	89.9
1939	LEVEL - FT	1121.3	1121.5	1122.5	1122.8	1122.4	1121.7	1121.3	1121.1	1121.1	1121.2	1121.1	1121.1
	OUTFLOW - CFS	75.1	300.0	300.0	317.7	414.9	510.3	331.6	89.4	86.1	71.8	92.5	86.6
1940	LEVEL - FT	1121.3	1121.6	1122.6	1122.5	1121.9	1121.1	1120.8	1120.6	1120.5	1120.5	1120.6	1120.6
	OUTFLOW - CFS	60.2	300.0	300.0	350.9	458.0	521.9	325.0	82.7	91.0	83.4	72.6	84.9
1941	LEVEL - FT	1120.7	1121.3	1121.9	1122.2	1122.0	1121.5	1121.6	1121.7	1121.6	1121.6	1121.3	1120.8
	OUTFLOW - CFS	68.5	300.0	300.0	309.4	371.1	442.3	300.0	417.2	417.2	417.2	417.2	918.5
1942	LEVEL - FT	1120.8	1121.4	1122.8	1123.5	1123.5	1123.0	1122.5	1122.0	1121.7	1121.6	1121.3	1120.8
	OUTFLOW - CFS	85.0	300.0	1381.8	1504.3	699.0	458.9	334.9	431.2	431.2	431.2	431.2	913.5
1943	LEVEL - FT	1120.8	1121.1	1122.0	1122.8	1122.5	1122.0	1121.5	1121.5	1121.3	1121.2	1121.2	1121.3
	OUTFLOW - CFS	86.7	300.0	300.0	300.0	365.2	465.5	336.6	89.4	82.8	90.0	80.9	81.6
1944	LEVEL - FT	1121.2	1121.2	1122.0	1122.8	1122.5	1122.0	1121.8	1121.6	1121.6	1121.4	1121.3	1120.8
	OUTFLOW - CFS	91.7	300.0	300.0	300.0	400.0	390.7	330.5	348.5	348.5	348.5	348.5	950.0
1945	LEVEL - FT	1120.7	1120.7	1122.7	1123.5	1123.2	1122.6	1122.3	1122.1	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	249.6	300.0	1024.2	905.3	352.9	395.7	328.8	563.9	563.9	563.9	563.9	829.0
1946	LEVEL - FT	1121.0	1120.9	1123.5	1124.1	1123.5	1123.1	1122.7	1122.2	1122.0	1121.6	1121.3	1121.4
	OUTFLOW - CFS	70.1	1565.1	1380.1	1555.1	855.5	412.5	300.1	472.6	472.6	472.6	472.6	73.3
1947	LEVEL - FT	1121.6	1121.8	1122.4	1122.6	1122.3	1121.7	1121.5	1121.5	1121.5	1121.3	1121.3	1120.8
	OUTFLOW - CFS	71.8	300.0	300.0	327.7	361.1	440.6	343.8	178.0	178.0	178.0	178.0	774.3
1948	LEVEL - FT	1119.7	1119.0	1122.1	1123.5	1123.5	1123.5	1123.4	1123.1	1122.4	1121.9	1121.3	1120.8
	OUTFLOW - CFS	1664.5	1609.8	1275.7	1146.3	510.0	988.6	300.0	834.2	834.2	834.2	834.2	1011.3
1949	LEVEL - FT	1121.1	1121.9	1123.6	1123.5	1123.4	1123.1	1122.8	1122.3	1121.9	1121.9	1121.3	1120.8
	OUTFLOW - CFS	50.0	300.0	1521.0	873.1	356.2	392.4	337.1	575.7	575.7	575.7	575.7	868.7
1950	LEVEL - FT	1120.4	1119.5	1121.4	1123.5	1123.4	1123.2	1122.7	1122.3	1122.0	1121.8	1121.3	1120.8
	OUTFLOW - CFS	966.2	1621.5	300.0	329.0	346.2	374.2	340.4	630.3	630.3	630.3	630.3	1232.1
1951	LEVEL - FT	1119.9	1119.8	1122.6	1123.5	1123.5	1122.9	1122.7	1122.4	1122.0	1121.8	1121.3	1120.8
	OUTFLOW - CFS	1623.1	1560.1	1317.1	300.0	407.6	387.4	345.4	622.7	622.7	622.7	622.7	1036.5
1952	LEVEL - FT	1120.9	1121.4	1123.4	1123.5	1123.5	1123.0	1122.7	1122.2	1121.7	1121.4	1121.3	1120.8
	OUTFLOW - CFS	80.1	872.8	1308.8	1026.1	300.0	375.8	312.3	530.5	530.5	530.5	530.5	897.3
1953	LEVEL - FT	1120.8	1120.9	1122.2	1123.4	1123.2	1123.1	1122.6	1122.2	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	56.9	300.0	300.0	300.0	357.8	382.5	338.8	612.2	612.2	612.2	612.2	913.5
1954	LEVEL - FT	1120.9	1120.5	1122.4	1123.5	1123.5	1123.5	1123.5	1122.9	1122.5	1121.9	1121.3	1120.8
	OUTFLOW - CFS	96.6	595.9	929.2	827.5	985.7	370.9	350.4	1037.3	1037.3	1037.3	1037.3	855.5
1955	LEVEL - FT	1120.9	1120.0	1120.9	1123.0	1123.4	1123.0	1122.8	1122.3	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	95.0	1669.5	300.0	300.0	420.8	430.5	352.1	714.0	714.0	714.0	714.0	744.1
1956	LEVEL - FT	1121.1	1120.8	1122.9	1123.5	1123.4	1123.0	1122.6	1122.3	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	1659.6	1426.8	1260.2	426.1	430.5	352.1	530.4	530.4	530.4	530.4	925.4
1957	LEVEL - FT	1120.9	1121.1	1123.3	1123.5	1123.2	1123.1	1122.8	1122.3	1121.9	1121.5	1121.3	1120.8
	OUTFLOW - CFS	88.4	300.0	1431.5	503.5	372.8	405.7	355.4	674.2	674.2	674.2	674.2	1079.3

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MONTHLY LAKE LEVELS AND OUTFLOWS FOR 1970 LEVEL OF DEVELOPMENT 4

YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1958	LEVEL - FT	1121.0	1121.0	1122.8	1123.1	1122.8	1122.2	1121.8	1121.6	1121.4	1121.4	1121.3	1120.8
	OUTFLOW - CFS	88.4	727.5	909.3	306.0	376.1	434.0	352.1	405.8	405.8	405.8	405.8	843.9
1959	LEVEL - FT	1121.0	1120.3	1122.6	1123.7	1123.5	1123.0	1123.2	1122.8	1122.3	1121.8	1121.3	1120.8
	OUTFLOW - CFS	86.7	1596.6	1073.8	1492.1	462.3	377.5	352.1	1000.8	1000.8	1000.8	1000.8	1046.1
1960	LEVEL - FT	1120.9	1121.3	1122.9	1123.5	1123.1	1122.6	1122.4	1122.0	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	80.1	300.0	300.0	559.4	401.7	364.4	328.8	396.4	396.4	396.4	396.4	888.6
1961	LEVEL - FT	1120.9	1121.0	1123.1	1123.5	1123.2	1122.7	1122.0	1121.7	1121.4	1121.4	1121.3	1120.8
	OUTFLOW - CFS	60.2	300.0	300.0	689.9	382.7	377.7	337.1	259.8	259.8	259.8	259.8	935.0
1962	LEVEL - FT	1120.8	1120.2	1121.2	1121.9	1121.7	1121.4	1121.0	1121.1	1121.1	1121.0	1121.0	1121.0
	OUTFLOW - CFS	50.0	1570.1	300.0	300.0	401.7	369.2	313.9	52.9	71.2	96.7	92.5	68.4
1963	LEVEL - FT	1121.2	1121.2	1122.0	1122.2	1122.1	1121.8	1121.6	1121.3	1121.3	1121.3	1121.3	1120.8
	OUTFLOW - CFS	71.8	300.0	300.0	300.0	304.8	417.4	338.8	157.0	157.0	157.0	157.0	739.5
1964	LEVEL - FT	1120.9	1120.8	1122.1	1123.5	1123.5	1123.4	1123.4	1122.9	1122.4	1121.7	1121.3	1120.8
	OUTFLOW - CFS	83.4	300.0	300.0	1381.2	559.7	367.5	300.0	1029.6	1029.6	1029.6	1029.6	890.3
1965	LEVEL - FT	1120.9	1121.5	1123.2	1123.5	1123.3	1123.1	1122.8	1122.4	1122.1	1121.7	1121.3	1121.3
	OUTFLOW - CFS	96.6	300.0	480.9	1230.2	346.2	397.4	356.4	568.6	568.6	568.6	568.6	63.4
1966	LEVEL - FT	1121.4	1121.4	1122.3	1122.5	1122.3	1121.8	1121.5	1121.2	1121.2	1121.3	1121.3	1120.8
	OUTFLOW - CFS	75.1	300.0	300.0	344.2	385.1	410.8	327.2	132.7	132.7	132.7	132.7	795.8
1967	LEVEL - FT	1120.8	1120.7	1122.1	1123.5	1123.0	1122.3	1121.9	1121.7	1121.5	1121.5	1121.3	1120.8
	OUTFLOW - CFS	101.6	312.7	300.0	536.9	371.9	414.1	323.9	180.0	180.0	180.0	180.0	969.9
1968	LEVEL - FT	1121.0	1120.9	1122.8	1123.5	1123.3	1123.1	1122.9	1122.4	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	61.8	301.1	300.0	1629.7	376.1	375.8	304.0	683.1	683.1	683.1	683.1	747.7
1969	LEVEL - FT	1121.0	1120.9	1122.9	1123.4	1123.1	1122.6	1122.4	1122.0	1121.7	1121.6	1121.3	1121.4
	OUTFLOW - CFS	85.0	1585.0	1250.4	300.0	342.9	397.6	305.6	494.7	494.7	494.7	494.7	70.0
1970	LEVEL - FT	1121.5	1121.3	1121.9	1122.1	1121.6	1121.0	1120.6	1120.4	1120.3	1120.2	1120.2	1120.4
	OUTFLOW - CFS	50.0	300.0	300.0	300.0	453.1	430.7	305.6	76.1	89.4	58.5	65.9	78.3

6

OKANAGAN RIVER SYSTEM
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2020 LEVEL OF DEVELOPMENT

MINIMUM FLOW REQUIREMENTS - CFS 300.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHING REQUIREMENTS - CFS	MAX	0.	0.	0.	0.	0.	0.	470.	470.	0.	0.	0.	0.
	MIN	100.	100.	0.	0.	0.	0.	100.	100.	100.	100.	100.	100.

CHANNEL CAPACITY - CFS

0.	OKANAGAN LAKE - NORTH OF PENTICTON
1680.	PENTICTON TO SKAHA LAKE DAM
2160.	SKAHA LAKE DAM TO VASEUX LAKE
2720.	VASEUX LAKE TO GAUGE NM-85 AT OLIVER

LAKE LEVEL ADJUSTED IN NOV-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

FULL DOWNSTREAM REQUIREMENTS AND MINIMUM FLOWS SATISFIED
NO IMPORTATION OF WATER FROM FRASER SYSTEM

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED
OPERATED FROM 1921-1970

(0 FT = 1119.8)

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	1.0
-3.0 TO -2.5	0.0	2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.3
-2.5 TO -2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
-2.0 TO -1.5	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7
-1.5 TO -1.0	2.0	2.0	4.0	2.0	0.0	0.0	2.0	4.0	4.0	4.0	4.0	2.0	2.5
-1.0 TO -0.5	2.0	3.6	0.0	0.0	0.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	1.3
-0.5 TO 0.0	3.0	6.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	1.9
0.0 TO 0.5	10.8	6.4	2.0	0.0	2.0	4.0	0.0	0.2	6.0	6.0	6.0	6.0	4.1
0.5 TO 1.0	21.0	23.2	2.0	2.0	6.0	2.2	10.0	9.8	4.0	4.0	4.0	4.2	7.7
1.0 TO 1.5	49.6	37.6	3.2	4.0	0.2	7.8	4.4	7.2	9.4	7.4	82.0	75.8	24.0
1.5 TO 2.0	7.6	15.0	9.2	4.0	8.0	5.0	13.4	17.6	36.0	64.6	0.0	6.0	15.5
2.0 TO 2.5	0.0	0.6	26.0	6.8	5.2	13.4	13.8	34.6	28.2	10.0	0.0	0.0	11.5
2.5 TO 3.0	0.0	1.6	23.0	14.4	14.6	22.6	30.6	16.0	8.4	0.0	0.0	0.0	10.9
3.0 TO 3.5	0.0	0.0	24.6	9.6	24.2	29.6	14.0	6.6	0.0	0.0	0.0	0.0	9.0
3.5 TO 4.0	0.0	0.0	3.2	51.4	35.4	9.4	5.8	0.0	0.0	0.0	0.0	0.0	8.8
4.0 TO 4.5	0.0	0.0	0.6	2.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
4.5 TO 5.0	0.0	0.0	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
5.0 TO 5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1121.5	1122.6	1124.3	1124.7	1124.1	1123.5	1123.5	1123.0	1122.5	1121.9	1121.3	1121.4	1124.7
MEAN	1120.5	1120.6	1122.1	1122.8	1122.6	1122.2	1121.9	1121.6	1121.3	1121.1	1120.9	1120.6	1121.5
MIN	1116.5	1116.9	1118.4	1118.3	1118.0	1117.3	1116.9	1116.7	1116.6	1116.5	1116.3	1116.2	1116.2
RANGE	5.0	5.7	5.9	6.3	6.0	6.2	6.6	6.4	5.9	5.4	5.0	5.2	8.5

RUN 0 - 2020 DEV. (FIRST ECONOMIC PROJECTION)

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	64.2	0.0	0.0	0.0	0.0	0.0	0.0	4.4	14.4	10.2	16.6	24.0	11.1
100 TO 125	18.4	0.0	0.0	0.0	0.0	0.0	0.0	18.8	11.0	15.2	8.8	12.0	7.0
125 TO 150	0.2	0.0	0.0	0.0	0.0	0.0	0.0	4.4	2.2	2.2	2.2	0.0	0.9
150 TO 175	0.4	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	0.0	0.8
175 TO 200	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.0	0.2
200 TO 250	0.8	0.0	0.0	0.0	0.0	0.0	0.0	11.4	11.4	11.4	11.4	0.0	3.9
250 TO 300	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	0.0	0.9
300 TO 500	1.4	74.0	71.6	60.0	82.4	98.0	100.0	23.2	23.2	23.2	23.2	0.4	48.4
500 TO 1000	3.4	5.8	8.8	12.8	8.8	0.0	0.0	32.6	32.6	32.6	32.6	59.6	19.1
1000 TO 1500	2.8	6.2	19.0	20.2	7.8	2.0	0.0	0.0	0.0	0.0	0.0	4.0	5.2
1500 TO 2000	7.2	14.0	0.6	7.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1680.0	1680.0	1513.0	1680.0	1680.0	1425.7	362.7	976.2	976.2	976.2	976.2	1183.6	1680.0
MEAN	262.7	571.7	541.6	664.4	480.2	418.8	335.4	376.5	373.9	374.2	373.2	566.5	444.9
MIN	50.0	300.0	300.0	300.0	300.0	349.7	300.0	77.5	72.8	75.4	73.3	76.3	50.0
RANGE	1630.0	1380.0	1213.0	1380.0	1380.0	1076.0	62.7	898.8	903.4	900.9	903.0	1107.3	1630.0

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	79.4	0.0	0.0	0.0	0.0	0.0	0.0	27.4	25.2	27.2	25.4	36.0	18.4
125 TO 150	2.2	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.2	0.4	2.2	0.0	0.9
150 TO 175	1.2	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.6	2.2	0.2	0.0	0.5
175 TO 200	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.8	0.2	2.4	0.0	0.6
200 TO 250	0.4	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.4	7.8	9.6	0.0	2.2
250 TO 300	0.8	0.0	0.0	20.0	39.8	38.0	34.0	5.8	8.0	5.0	4.2	0.0	13.0
300 TO 500	1.8	73.4	60.6	36.8	40.8	60.0	66.0	22.2	23.4	24.2	23.8	0.4	36.1
500 TO 1000	3.2	5.4	14.8	12.6	12.6	0.0	0.0	33.6	32.4	33.0	32.2	55.6	19.6
1000 TO 1500	3.0	4.2	9.0	17.0	5.8	2.0	0.0	0.0	0.0	0.0	0.0	8.0	4.1
1500 TO 2000	7.2	16.6	15.6	13.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1686.6	1705.1	1713.2	1695.5	1677.6	1422.4	387.6	972.6	987.2	971.0	993.4	1200.6	1713.2
MEAN	276.8	622.8	712.9	730.2	432.7	339.5	305.0	369.1	380.5	380.0	382.3	579.6	459.3
MIN	100.0	331.9	314.9	300.0	300.0	300.0	300.0	100.0	100.0	100.0	100.0	100.0	100.0
RANGE	1586.6	1403.2	1398.2	1395.5	1377.6	1122.4	87.6	872.6	887.2	871.0	893.4	1100.6	1613.2

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 2020 LEVEL OF DEVELOPMENT

YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.8	1120.7	1122.8	1123.5	1123.3	1122.8	1122.3	1122.0	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	98.0	300.0	300.0	1326.0	365.2	441.1	348.4	355.1	355.1	355.1	355.1	586.5
1922	LEVEL - FT	1120.9	1120.8	1122.2	1123.3	1122.8	1122.4	1122.2	1122.0	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	91.4	300.0	300.0	300.0	414.0	426.2	324.5	310.3	310.3	310.3	310.3	659.4
1923	LEVEL - FT	1121.0	1120.8	1122.4	1123.5	1123.4	1123.0	1122.6	1122.2	1121.9	1121.8	1121.3	1121.4
	OUTFLOW - CFS	73.2	976.8	300.0	1234.5	350.3	414.6	345.0	329.5	329.5	329.5	329.5	83.0
1924	LEVEL - FT	1121.5	1121.3	1122.3	1122.3	1121.7	1121.1	1120.6	1120.4	1120.4	1120.4	1120.4	1120.5
	OUTFLOW - CFS	86.4	300.0	300.0	336.6	448.8	454.3	351.7	100.7	96.0	98.6	91.5	89.6
1925	LEVEL - FT	1120.5	1120.8	1122.4	1122.8	1122.3	1121.6	1121.0	1120.8	1120.6	1120.6	1120.8	1120.6
	OUTFLOW - CFS	96.4	300.0	323.0	300.0	428.9	494.1	355.0	107.3	110.9	91.9	81.6	104.5
1926	LEVEL - FT	1120.7	1121.0	1121.5	1121.1	1120.6	1120.0	1119.5	1119.4	1119.3	1119.2	1119.2	1119.1
	OUTFLOW - CFS	89.9	300.0	300.0	377.8	425.6	475.9	348.4	99.0	96.0	106.9	93.2	106.2
1927	LEVEL - FT	1118.9	1118.6	1119.7	1120.9	1120.6	1120.2	1120.6	1121.1	1121.2	1121.3	1121.3	1120.8
	OUTFLOW - CFS	108.0	300.0	300.0	300.0	368.6	407.9	300.0	228.6	228.6	228.6	228.6	820.2
1928	LEVEL - FT	1120.3	1120.8	1124.3	1124.7	1124.1	1123.5	1123.1	1122.5	1122.4	1121.7	1121.3	1121.1
	OUTFLOW - CFS	1105.5	300.0	1303.5	1597.9	1680.0	478.7	340.1	593.1	593.1	593.1	593.1	102.8
1929	LEVEL - FT	1121.2	1121.0	1121.0	1121.4	1120.8	1120.6	1120.7	1120.5	1120.2	1120.0	1119.9	1119.9
	OUTFLOW - CFS	88.1	300.0	300.0	300.1	443.8	364.6	300.0	105.6	96.0	106.9	106.4	96.2
1930	LEVEL - FT	1119.9	1120.1	1120.1	1120.4	1119.9	1119.5	1119.1	1118.8	1118.7	1118.4	1118.3	1118.2
	OUTFLOW - CFS	96.4	300.0	300.0	313.4	452.1	414.6	335.1	115.6	101.0	106.9	101.5	107.8
1931	LEVEL - FT	1118.2	1118.0	1118.4	1118.3	1118.0	1117.3	1116.9	1116.7	1116.6	1116.5	1116.3	1116.2
	OUTFLOW - CFS	94.7	300.0	300.0	339.9	375.8	492.5	341.7	113.9	96.0	100.2	106.4	102.8
1932	LEVEL - FT	1116.5	1116.9	1118.8	1119.7	1119.4	1119.1	1118.7	1118.5	1118.7	1118.6	1118.6	1118.5
	OUTFLOW - CFS	69.9	300.0	300.0	300.0	395.7	388.0	335.1	99.0	72.8	105.2	99.8	94.6
1933	LEVEL - FT	1118.6	1118.8	1120.6	1122.3	1122.4	1121.9	1121.8	1121.6	1121.4	1121.4	1121.3	1120.8
	OUTFLOW - CFS	94.7	300.0	300.0	300.0	332.1	424.5	317.9	526.8	526.8	526.8	526.8	828.9
1934	LEVEL - FT	1121.2	1122.6	1123.3	1123.2	1122.9	1122.6	1122.3	1121.8	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	81.6	1451.3	915.2	334.9	379.1	394.7	333.4	506.2	506.2	506.2	506.2	913.4
1935	LEVEL - FT	1121.1	1120.1	1122.1	1123.3	1123.5	1123.5	1123.2	1122.6	1122.0	1121.6	1121.3	1120.8
	OUTFLOW - CFS	69.9	1648.6	300.0	300.0	1249.8	354.6	326.2	757.8	757.8	757.8	757.8	590.2
1936	LEVEL - FT	1120.9	1121.5	1123.3	1123.5	1123.3	1122.9	1122.5	1122.1	1121.6	1121.6	1121.3	1120.8
	OUTFLOW - CFS	91.4	300.0	549.3	1065.1	360.3	427.8	336.8	294.6	294.6	294.6	294.6	925.0
1937	LEVEL - FT	1120.9	1120.9	1122.4	1123.5	1123.3	1122.8	1122.5	1122.0	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	88.1	300.0	300.0	881.7	361.9	456.0	331.8	515.5	515.5	515.5	515.5	825.2
1938	LEVEL - FT	1120.9	1121.1	1122.9	1123.3	1123.0	1122.4	1122.2	1121.8	1121.5	1121.4	1121.3	1121.1
	OUTFLOW - CFS	83.1	596.5	300.0	300.0	387.4	451.0	326.2	252.3	252.3	252.3	252.3	102.8
1939	LEVEL - FT	1121.2	1121.4	1122.4	1122.8	1122.5	1121.8	1121.4	1121.1	1121.0	1121.0	1120.9	1120.9
	OUTFLOW - CFS	89.8	300.0	300.0	300.1	382.5	477.6	338.4	113.9	101.0	88.6	108.1	99.5
1940	LEVEL - FT	1121.1	1121.3	1122.3	1122.2	1121.7	1121.0	1120.7	1120.4	1120.3	1120.2	1120.2	1120.2
	OUTFLOW - CFS	74.8	300.0	300.0	333.3	425.6	489.2	331.8	107.3	106.0	100.2	88.2	97.9
1941	LEVEL - FT	1120.2	1120.8	1121.4	1121.8	1121.6	1121.2	1121.3	1121.4	1121.5	1121.5	1121.3	1120.9
	OUTFLOW - CFS	83.1	300.0	300.0	300.0	358.6	409.6	304.7	234.3	234.3	234.3	234.3	870.0
1942	LEVEL - FT	1120.7	1121.3	1122.8	1123.5	1123.5	1123.0	1122.6	1122.1	1121.7	1121.6	1121.3	1120.8
	OUTFLOW - CFS	99.7	300.0	1306.7	1550.7	759.7	426.2	341.7	379.2	379.2	379.2	379.2	865.3
1943	LEVEL - FT	1120.7	1121.0	1122.0	1122.8	1122.6	1122.1	1121.5	1121.5	1121.3	1121.1	1121.0	1121.1
	OUTFLOW - CFS	101.4	300.0	300.0	300.0	343.7	432.8	343.4	113.9	97.7	106.9	96.5	94.6
1944	LEVEL - FT	1120.9	1120.9	1121.7	1122.6	1122.3	1121.9	1121.7	1121.5	1121.5	1121.3	1121.3	1120.8
	OUTFLOW - CFS	106.3	300.0	300.0	300.0	367.5	379.5	337.8	235.3	235.3	235.3	235.3	901.4
1945	LEVEL - FT	1120.7	1120.6	1122.7	1123.5	1123.2	1122.7	1122.3	1122.1	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	184.5	300.0	1028.8	951.7	340.4	384.5	336.1	524.8	524.8	524.8	524.8	780.4
1946	LEVEL - FT	1120.9	1120.7	1123.4	1124.1	1123.5	1123.2	1122.7	1122.2	1122.0	1121.6	1121.3	1121.3
	OUTFLOW - CFS	84.8	1580.6	1378.1	1541.5	887.3	379.8	306.9	420.7	420.7	420.7	420.7	86.3
1947	LEVEL - FT	1121.5	1121.6	1122.3	1122.6	1122.3	1121.8	1121.5	1121.5	1121.5	1121.3	1121.3	1120.8
	OUTFLOW - CFS	86.4	300.0	300.0	310.1	348.7	407.9	351.1	126.0	126.0	126.0	126.0	725.4
1948	LEVEL - FT	1119.6	1119.9	1122.0	1123.5	1123.5	1123.5	1123.4	1123.0	1122.4	1121.9	1121.3	1120.8
	OUTFLOW - CFS	1678.1	1625.4	1273.7	1105.5	570.8	1044.0	300.0	761.9	761.9	761.9	761.9	962.8
1949	LEVEL - FT	1121.0	1121.8	1123.6	1123.5	1123.4	1123.2	1122.8	1122.3	1121.9	1121.9	1121.3	1120.8
	OUTFLOW - CFS	50.0	300.0	1519.0	861.3	343.7	381.2	344.4	536.6	536.6	536.6	535.6	820.6
1950	LEVEL - FT	1120.4	1119.5	1121.4	1123.5	1123.4	1123.3	1122.8	1122.4	1122.1	1121.8	1121.3	1120.8
	OUTFLOW - CFS	901.1	1637.0	300.0	364.8	333.8	362.9	347.7	591.2	591.2	591.2	591.2	1183.6
1951	LEVEL - FT	1119.9	1119.7	1122.5	1123.5	1123.5	1123.0	1122.8	1122.4	1122.1	1121.8	1121.3	1120.8
	OUTFLOW - CFS	1636.6	1575.6	1271.9	300.0	401.6	376.2	352.7	582.5	582.5	582.5	582.5	987.6
1952	LEVEL - FT	1120.9	1121.4	1123.4	1123.5	1123.5	1123.1	1122.7	1122.2	1121.7	1121.4	1121.3	1120.8
	OUTFLOW - CFS	94.7	775.0	1306.8	1097.1	349.0	364.6	319.6	476.0	476.0	476.0	476.0	848.7
1953	LEVEL - FT	1120.8	1120.7	1122.1	1123.3	1123.3	1123.1	1122.7	1122.2	1121.9	1121.7	1121.3	1120.8
	OUTFLOW - CFS	71.5	300.0	300.0	300.0	345.4	371.2	346.1	565.9	565.9	565.9	565.9	864.6
1954	LEVEL - FT	1120.8	1120.5	1122.4	1123.5	1123.5	1123.5	1123.5	1122.9	1122.5	1121.9	1121.3	1120.8
	OUTFLOW - CFS	111.3	498.1	951.9	873.9	1046.5	374.4	357.7	976.2	976.2	976.2	976.2	807.0
1955	LEVEL - FT	1120.9	1119.9	1120.8	1123.0	1123.5	1123.1	1122.8	1122.3	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	109.6	1680.0	300.0	300.0	410.9	419.3	359.4	664.6	664.6	664.6	664.6	695.6
1956	LEVEL - FT	1121.0	1120.8	1122.9	1123.5	1123.4	1123.1	1122.7	1122.3	1121.9	1121.7	1121.3	1120.8
	OUTFLOW - CFS	114.6	1573.7	1437.6	1306.6	417.5	419.3	359.4	490.3	490.3	490.3	490.3	876.6
1957	LEVEL - FT	1120.9	1121.0	1123.2	1123.5	1123.2	1123.2	1122.9	1122.4	1121.9	1121.5	1121.3	1120.8
	OUTFLOW - CFS	103.0	300.0	1429.5	476.7	360.3	395.4	362.7	634.8	634.8	634.8	634.8	1031.1

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RUN 0 - 2020 DEV. (FIRST ECONOMIC PROJECTION) . . . Continued

1958	LEVEL - FT	1121.0	1120.9	1122.8	1123.2	1122.9	1122.3	1121.9	1121.7	1121.5	1121.4	1121.3	1120.8
	OUTFLOW - CFS	103.0	629.7	932.0	300.0	363.6	401.3	359.4	385.2	385.2	385.2	385.2	795.7
1959	LEVEL - FT	1120.9	1120.2	1122.5	1123.7	1123.5	1123.1	1123.2	1122.8	1122.3	1121.8	1121.3	1120.8
	OUTFLOW - CFS	101.4	1612.1	983.0	1478.5	583.0	366.2	359.4	943.4	943.4	943.4	943.4	997.6
1960	LEVEL - FT	1120.8	1121.3	1122.8	1123.5	1123.2	1122.7	1122.4	1122.0	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	94.7	300.0	300.0	530.2	369.2	349.7	336.1	363.2	363.2	363.2	363.2	840.1
1961	LEVEL - FT	1120.9	1120.9	1123.0	1123.5	1123.3	1122.8	1122.1	1121.8	1121.5	1121.4	1121.3	1120.8
	OUTFLOW - CFS	74.8	300.0	300.0	661.3	370.2	366.2	344.4	220.7	220.7	220.7	220.7	886.9
1962	LEVEL - FT	1120.8	1120.1	1121.1	1121.9	1121.8	1121.5	1121.0	1121.1	1121.0	1120.9	1120.8	1120.8
	OUTFLOW - CFS	59.9	1585.6	300.0	300.0	369.2	358.0	321.2	77.5	86.1	113.5	108.1	81.3
1963	LEVEL - FT	1120.9	1120.9	1121.7	1121.9	1121.9	1121.7	1121.4	1121.1	1121.1	1121.1	1121.1	1120.8
	OUTFLOW - CFS	86.4	300.0	300.0	300.0	300.0	399.4	346.1	118.9	109.3	101.9	98.1	396.5
1964	LEVEL - FT	1120.9	1120.7	1122.0	1123.5	1123.5	1123.5	1123.4	1122.9	1122.4	1121.7	1121.3	1120.8
	OUTFLOW - CFS	98.0	300.0	300.0	1352.6	620.5	356.3	303.0	973.3	973.3	973.3	973.3	841.8
1965	LEVEL - FT	1120.8	1121.4	1123.2	1123.5	1123.3	1123.2	1122.9	1122.4	1122.1	1121.7	1121.3	1121.3
	OUTFLOW - CFS	111.3	300.0	405.7	1276.6	333.8	386.1	359.7	530.6	530.6	530.6	530.6	76.3
1966	LEVEL - FT	1121.3	1121.3	1122.1	1122.4	1122.3	1121.9	1121.6	1121.2	1121.2	1121.2	1121.3	1120.8
	OUTFLOW - CFS	89.8	300.0	300.0	326.8	352.6	378.1	334.5	125.5	96.0	96.9	86.5	685.6
1967	LEVEL - FT	1120.8	1120.8	1122.0	1123.5	1123.1	1122.5	1122.0	1121.8	1121.5	1121.5	1121.3	1120.8
	OUTFLOW - CFS	116.3	328.2	300.0	492.3	343.7	381.4	331.2	150.2	150.2	150.2	150.2	921.3
1968	LEVEL - FT	1121.0	1120.8	1122.7	1123.5	1123.3	1123.2	1123.0	1122.4	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	76.5	316.6	300.0	1612.6	363.6	364.6	311.3	637.1	637.1	637.1	637.1	699.2
1969	LEVEL - FT	1121.0	1120.8	1122.9	1123.4	1123.2	1122.7	1122.5	1122.1	1121.8	1121.6	1121.3	1121.4
	OUTFLOW - CFS	99.7	1600.5	1159.6	300.0	330.4	364.8	312.9	472.5	472.5	472.5	472.5	83.0
1970	LEVEL - FT	1121.4	1121.1	1121.8	1122.1	1121.7	1121.0	1120.6	1120.3	1120.2	1120.1	1120.0	1120.1
	OUTFLOW - CFS	50.0	300.0	300.0	300.0	420.6	398.0	312.9	100.7	104.3	75.4	81.6	91.2

OKANAGAN RIVER SYSTEM
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1970 LEVEL OF DEVELOPMENT

MINIMUM FLOW REQUIREMENTS - CFS 100.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHING REQUIREMENTS - CFS	MAX	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	MIN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

CHANNEL CAPACITY - CFS

0.	OKANAGAN LAKE - NORTH OF PENTICTON
1680.	PENTICTON TO SKAHA LAKE DAM
2160.	SKAHA LAKE DAM TO VASEUX LAKE
2720.	VASEUX LAKE TO GAUGE NM-85 AT OLIVER

LAKE LEVEL ADJUSTED IN NOV-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

FULL DOWNSTREAM REQUIREMENTS AND MINIMUM FLOWS SATISFIED
NO IMPORTATION OF WATER FROM FRASER SYSTEM

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED
OPERATED FROM 1921-1970

(0 FT = 1119.8)

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-3.0 TO -2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.5 TO -2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.0 TO -1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.5 TO -1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.0 TO -0.5	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.5
-0.5 TO 0.0	4.2	5.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	0.0	0.0	1.4
0.0 TO 0.5	9.8	9.6	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	1.9
0.5 TO 1.0	14.0	10.6	0.0	2.0	2.0	0.0	2.0	4.0	4.2	4.2	4.2	2.2	4.1
1.0 TO 1.5	56.4	36.6	2.4	0.0	0.0	6.2	2.4	4.2	6.0	6.0	91.4	85.8	24.8
1.5 TO 2.0	15.6	26.2	8.4	0.0	6.0	4.0	6.2	4.0	10.8	46.2	2.4	8.0	11.6
2.0 TO 2.5	0.0	6.8	10.6	6.6	4.6	7.8	9.2	11.6	35.4	41.6	0.0	0.0	10.8
2.5 TO 3.0	0.0	1.6	40.8	4.6	7.4	25.2	32.4	35.4	37.4	0.0	0.0	0.0	15.4
3.0 TO 3.5	0.0	0.0	32.0	22.0	30.2	41.0	33.8	21.8	4.2	0.0	0.0	0.0	15.4
3.5 TO 4.0	0.0	0.0	4.2	60.2	49.4	18.8	12.0	17.0	0.0	0.0	0.0	0.0	13.5
4.0 TO 4.5	0.0	0.0	1.4	3.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
4.5 TO 5.0	0.0	0.0	0.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
5.0 TO 5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1121.6	1122.6	1124.5	1124.8	1124.1	1123.5	1123.5	1123.5	1122.9	1122.2	1121.3	1121.4	1124.8
MEAN	1120.8	1121.0	1122.6	1123.2	1123.0	1122.7	1122.6	1122.5	1122.0	1121.6	1121.2	1120.8	1122.0
MIN	1119.5	1119.0	1120.8	1120.8	1120.6	1119.9	1119.7	1119.5	1119.4	1119.4	1119.3	1119.2	1119.0
RANGE	2.1	3.6	3.7	4.0	3.6	3.6	3.8	4.0	3.5	2.8	2.0	2.3	5.7

RUN 3 - 1970 DEV.

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	82.2	67.2	56.4	24.8	2.0	0.0	32.0	90.0	10.2	10.2	10.2	32.0	34.8
125 TO 150	0.0	0.8	0.8	8.2	4.2	0.0	50.0	2.0	2.0	2.0	2.0	0.0	6.0
150 TO 175	0.0	0.6	0.6	8.2	19.4	6.0	12.0	2.0	0.0	0.0	0.0	0.0	4.1
175 TO 200	0.4	0.2	1.2	0.8	12.6	24.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
200 TO 250	0.6	1.6	1.6	4.4	23.4	34.0	2.0	0.0	2.0	2.0	2.0	0.0	6.1
250 TO 300	1.0	0.4	1.0	1.0	16.4	21.8	2.0	0.0	0.2	0.2	0.2	0.0	3.7
300 TO 500	1.8	1.8	6.0	5.8	3.4	12.2	2.0	6.0	8.4	8.4	8.4	0.0	5.3
500 TO 1000	3.2	5.8	11.0	13.8	11.8	1.8	0.0	0.0	52.0	52.0	52.0	58.0	21.5
1000 TO 1500	3.4	7.0	20.6	23.8	6.0	0.2	0.0	0.0	25.2	25.2	25.2	10.0	12.2
1500 TO 2000	7.4	14.6	0.8	9.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1680.0	1669.5	1521.0	1680.0	1680.0	1280.3	435.3	422.8	1403.5	1403.5	1403.5	1231.7	1680.0
MEAN	282.0	450.2	455.4	648.3	347.7	251.2	141.0	118.7	740.5	740.5	740.5	632.7	462.4
MIN	100.0	100.0	100.0	100.0	104.8	164.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
RANGE	1580.0	1569.5	1421.0	1580.0	1575.2	1115.9	335.3	322.8	1303.5	1303.5	1303.5	1131.7	1580.0

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	46.8	8.0	7.6	23.6	41.0	38.0	92.0	70.0	10.2	8.2	8.0	22.0	31.3
125 TO 150	27.4	28.6	6.2	8.0	17.0	18.0	2.0	18.0	2.0	4.0	2.2	10.0	11.9
150 TO 175	4.8	12.8	8.0	9.4	8.2	18.0	0.0	4.0	0.0	0.0	2.0	0.0	5.6
175 TO 200	0.0	12.8	6.0	1.8	8.2	15.8	0.0	2.0	0.0	0.0	0.0	0.0	3.9
200 TO 250	3.6	6.6	14.0	3.0	3.2	8.0	0.0	0.0	1.8	2.0	0.0	0.0	3.5
250 TO 300	1.0	1.2	11.2	0.4	0.8	0.0	0.0	0.0	0.2	0.2	2.2	0.0	1.4
300 TO 500	2.4	2.0	9.0	6.4	3.8	0.2	6.0	6.0	8.6	8.4	8.4	0.0	5.1
500 TO 1000	2.8	5.6	11.0	11.6	13.6	1.8	0.0	0.0	51.8	51.8	50.0	54.0	21.2
1000 TO 1500	3.8	5.2	9.0	19.2	3.4	0.2	0.0	0.0	25.4	25.4	27.2	14.0	11.1
1500 TO 2000	7.4	17.2	18.0	16.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1687.8	1706.5	1711.5	1691.5	1666.9	1265.8	395.4	436.8	1444.5	1456.6	1442.5	1261.7	1711.5
MEAN	310.8	518.3	623.2	696.5	287.6	160.6	117.4	135.8	762.0	763.2	765.2	658.7	483.3
MIN	104.5	103.3	113.3	100.0	100.0	100.0	100.0	104.0	109.0	110.0	109.2	105.1	100.0
RANGE	1583.3	1603.2	1598.2	1591.5	1566.9	1165.8	295.4	332.7	1335.5	1346.6	1333.3	1156.6	1611.5

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 1970 LEVEL OF DEVELOPMENT

YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.8	1121.0	1123.2	1123.6	1123.4	1123.0	1122.7	1122.6	1122.1	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	1601.5	196.7	273.8	141.6	100.0	724.3	724.3	724.3	635.4
1922	LEVEL - FT	1120.9	1121.0	1122.5	1123.5	1123.1	1122.7	1122.7	1122.7	1122.1	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	436.8	246.4	258.9	117.2	100.0	708.3	708.3	708.3	708.0
1923	LEVEL - FT	1121.0	1120.8	1122.6	1123.5	1123.5	1123.2	1122.9	1122.8	1122.3	1122.0	1121.3	1121.4
	OUTFLOW - CFS	100.0	1033.1	100.0	1365.7	196.7	247.3	138.2	100.0	639.4	639.4	639.4	100.0
1924	LEVEL - FT	1121.6	1121.5	1122.7	1122.7	1122.2	1121.7	1121.3	1121.3	1121.3	1121.2	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	154.2	281.3	287.1	144.9	100.0	127.3	127.3	127.3	895.3
1925	LEVEL - FT	1120.8	1121.4	1123.1	1123.5	1123.0	1122.4	1122.0	1121.9	1121.5	1121.3	1121.3	1121.2
	OUTFLOW - CFS	100.0	100.0	125.0	237.7	261.4	326.8	148.2	100.0	409.1	409.1	409.1	100.0
1926	LEVEL - FT	1121.3	1121.7	1122.4	1122.1	1121.6	1121.1	1120.8	1120.7	1120.7	1120.6	1120.7	1120.6
	OUTFLOW - CFS	100.0	100.0	100.0	216.1	258.0	308.6	141.6	100.0	100.0	100.0	100.0	100.0
1927	LEVEL - FT	1120.5	1120.6	1121.6	1122.8	1122.7	1122.3	1122.8	1123.5	1122.8	1122.1	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	100.0	200.0	240.6	100.0	151.4	1400.6	1400.6	1400.6	868.7
1928	LEVEL - FT	1120.3	1121.0	1124.5	1124.8	1124.1	1123.5	1123.2	1123.1	1122.8	1121.9	1121.3	1121.2
	OUTFLOW - CFS	1170.6	100.0	1305.5	1611.4	1680.0	495.9	133.3	100.0	922.8	922.8	922.8	100.0
1929	LEVEL - FT	1121.3	1121.2	1121.4	1121.8	1121.3	1121.2	1121.5	1121.3	1121.1	1121.0	1120.9	1120.9
	OUTFLOW - CFS	100.0	100.0	100.0	117.7	276.3	189.3	100.0	100.0	100.0	100.0	100.0	100.0
1930	LEVEL - FT	1120.9	1121.3	1121.5	1121.8	1121.4	1121.1	1120.9	1120.6	1120.6	1120.3	1120.3	1120.2
	OUTFLOW - CFS	100.0	100.0	100.0	131.0	284.6	247.3	128.3	100.0	100.0	100.0	100.0	100.0
1931	LEVEL - FT	1120.2	1120.3	1120.8	1120.8	1120.6	1119.9	1119.7	1119.5	1119.4	1119.4	1119.3	1119.2
	OUTFLOW - CFS	100.0	100.0	100.0	157.5	208.3	325.2	134.9	100.0	100.0	100.0	100.0	100.0
1932	LEVEL - FT	1119.5	1120.1	1122.1	1123.1	1122.9	1122.6	1122.5	1122.3	1122.1	1121.7	1121.3	1120.9
	OUTFLOW - CFS	100.0	100.0	100.0	100.0	228.2	220.8	128.3	100.0	644.1	644.1	644.1	794.2
1933	LEVEL - FT	1120.9	1120.2	1122.1	1123.5	1123.5	1123.1	1123.2	1123.4	1122.6	1122.0	1121.3	1120.8
	OUTFLOW - CFS	100.0	1616.5	100.0	708.8	326.0	257.2	110.6	100.0	1403.5	1403.5	1403.5	877.4
1934	LEVEL - FT	1121.2	1122.6	1123.3	1123.3	1123.1	1122.8	1122.7	1122.6	1122.2	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	1435.8	985.2	152.5	211.6	227.4	126.6	100.0	914.5	914.5	914.5	961.9
1935	LEVEL - FT	1121.1	1120.2	1122.3	1123.5	1123.5	1123.5	1123.4	1123.3	1122.5	1121.8	1121.3	1120.9
	OUTFLOW - CFS	100.0	1633.1	100.0	293.0	1405.1	254.3	118.9	100.0	1157.4	1157.4	1157.4	639.7
1936	LEVEL - FT	1120.9	1121.8	1123.3	1123.5	1123.4	1123.0	1122.8	1122.7	1122.0	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	801.3	1018.7	172.8	260.5	130.0	100.0	604.3	604.3	604.3	973.2
1937	LEVEL - FT	1120.9	1121.1	1122.7	1123.5	1123.4	1123.0	1122.8	1122.7	1122.4	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	1204.1	176.8	288.7	125.0	100.0	897.9	897.9	897.9	874.1
1938	LEVEL - FT	1121.0	1121.1	1123.1	1123.5	1123.2	1122.8	1122.7	1122.5	1121.9	1121.6	1121.3	1121.2
	OUTFLOW - CFS	100.0	662.9	100.0	192.6	219.9	283.7	118.9	100.0	621.1	621.1	621.1	100.0
1939	LEVEL - FT	1121.3	1121.6	1122.8	1123.2	1123.0	1122.4	1122.1	1121.9	1121.7	1121.6	1121.3	1121.3
	OUTFLOW - CFS	100.0	100.0	100.0	117.7	214.9	310.3	131.6	100.0	380.0	380.0	380.0	100.0
1940	LEVEL - FT	1121.5	1121.9	1123.0	1123.1	1122.6	1122.0	1121.8	1121.6	1121.4	1121.3	1121.3	1121.2
	OUTFLOW - CFS	100.0	100.0	100.0	150.9	258.0	321.9	125.0	100.0	228.7	228.7	228.7	100.0
1941	LEVEL - FT	1121.3	1122.1	1122.8	1123.3	1123.2	1122.9	1123.1	1123.4	1122.8	1122.2	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	109.4	171.1	242.3	100.0	100.0	1225.7	1225.7	1225.7	918.8
1942	LEVEL - FT	1120.8	1121.5	1122.9	1123.5	1123.5	1123.1	1122.8	1122.6	1122.1	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	1474.6	1579.9	716.0	258.9	134.9	100.0	674.9	674.9	674.9	913.8
1943	LEVEL - FT	1120.8	1121.2	1122.3	1123.2	1123.1	1122.7	1122.3	1122.3	1121.9	1121.6	1121.3	1121.4
	OUTFLOW - CFS	100.0	100.0	100.0	100.0	165.2	265.5	136.6	100.0	412.1	412.1	412.1	100.0
1944	LEVEL - FT	1121.3	1121.5	1122.4	1123.4	1123.2	1122.9	1122.8	1122.8	1122.3	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	100.0	200.0	190.7	130.5	100.0	886.9	886.9	886.9	950.3
1945	LEVEL - FT	1120.7	1120.8	1122.7	1123.5	1123.3	1122.9	1122.7	1122.8	1122.2	1121.8	1121.3	1120.8
	OUTFLOW - CFS	249.6	100.0	1224.2	905.3	152.9	195.7	128.8	100.0	918.6	918.6	918.6	829.3
1946	LEVEL - FT	1120.9	1120.7	1123.5	1124.1	1123.5	1123.2	1123.0	1122.8	1122.4	1121.8	1121.3	1121.4
	OUTFLOW - CFS	100.0	1565.1	1380.1	1555.1	825.5	212.5	100.1	100.0	730.1	730.1	730.1	100.0
1947	LEVEL - FT	1121.5	1121.9	1122.7	1123.0	1122.8	1122.4	1122.3	1122.3	1122.0	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	127.7	161.1	240.6	143.8	101.7	585.1	585.1	585.1	774.6
1948	LEVEL - FT	1119.7	1119.0	1122.1	1123.5	1123.5	1123.5	1123.5	1123.5	1122.7	1122.1	1121.3	1120.8
	OUTFLOW - CFS	1664.5	1609.8	1275.7	1146.3	510.0	988.6	226.4	311.7	1032.9	1032.9	1032.9	1011.6
1949	LEVEL - FT	1121.0	1122.0	1123.7	1123.5	1123.5	1123.4	1123.2	1123.0	1122.4	1122.1	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	1521.0	1023.1	177.2	192.4	137.1	101.7	926.7	926.7	926.7	869.1
1950	LEVEL - FT	1120.4	1119.5	1121.5	1123.5	1123.5	1123.4	1123.1	1123.1	1122.6	1122.1	1121.3	1120.8
	OUTFLOW - CFS	966.2	1621.5	100.0	529.0	161.9	174.2	140.5	100.0	1001.8	1001.8	1001.8	1231.7
1951	LEVEL - FT	1119.9	1119.8	1122.6	1123.5	1123.5	1123.1	1123.0	1123.1	1122.5	1122.0	1121.3	1120.8
	OUTFLOW - CFS	1623.1	1560.1	1317.1	294.3	344.3	187.4	145.4	100.0	953.2	953.2	953.2	1036.5
1952	LEVEL - FT	1120.9	1121.4	1123.4	1123.5	1123.5	1123.2	1123.0	1122.8	1122.1	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	853.0	1308.8	1026.1	288.2	175.8	112.3	100.0	811.1	811.1	811.1	896.9
1953	LEVEL - FT	1120.8	1120.9	1122.4	1123.5	1123.5	1123.5	1123.2	1123.1	1122.5	1122.0	1121.3	1120.9
	OUTFLOW - CFS	100.0	100.0	100.0	460.4	171.9	182.5	138.8	100.0	1043.8	1043.8	1043.8	913.8
1954	LEVEL - FT	1120.9	1120.5	1122.4	1123.5	1123.5	1123.5	1123.5	1123.5	1122.9	1122.1	1121.3	1120.8
	OUTFLOW - CFS	102.8	589.7	929.2	827.5	985.7	319.0	435.3	144.3	1324.1	1324.1	1324.1	855.5
1955	LEVEL - FT	1120.9	1119.9	1121.0	1123.3	1123.5	1123.2	1123.1	1123.1	1122.4	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	1669.5	100.0	100.0	741.3	230.5	152.1	105.0	1075.2	1075.2	1075.2	744.4
1956	LEVEL - FT	1121.0	1120.8	1122.9	1123.5	1123.5	1123.3	1123.1	1123.0	1122.4	1121.9	1121.3	1120.8
	OUTFLOW - CFS	104.4	1659.6	1422.4	1260.2	226.1	230.5	152.1	103.3	872.5	872.5	872.5	925.4
1957	LEVEL - FT	1120.9	1121.2	1123.4	1123.5	1123.3	1123.3	1123.3	1123.2	1122.5	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	1431.5	692.0	172.8	205.7	155.4	100.0	1065.5	1065.5	1065.5	1079.3

RUN 3 - 1970 DEV.

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1958	LEVEL - FT	1121.0	1121.0	1122.8	1123.3	1123.1	1122.6	1122.4	1122.4	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	715.9	909.3	106.0	176.1	234.0	152.1	105.0	772.7	772.7	772.7	843.9
1959	LEVEL - FT	1121.0	1120.3	1122.6	1123.7	1123.5	1123.2	1123.5	1123.5	1122.8	1122.1	1121.3	1120.8
	OUTFLOW - CFS	100.0	1596.6	1060.5	1492.1	462.3	177.5	152.1	422.8	1326.9	1326.9	1326.9	1046.4
1960	LEVEL - FT	1120.9	1121.5	1123.1	1123.5	1123.3	1122.9	1122.8	1122.6	1122.2	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	939.0	201.7	164.4	128.8	106.7	692.9	692.9	692.9	889.0
1961	LEVEL - FT	1120.9	1121.1	1123.3	1123.5	1123.4	1123.0	1122.5	1122.3	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	139.2	1010.9	182.7	177.7	137.1	100.0	513.0	513.0	513.0	935.4
1962	LEVEL - FT	1120.8	1120.2	1121.3	1122.2	1122.1	1121.9	1121.7	1121.7	1121.6	1121.5	1121.3	1121.3
	OUTFLOW - CFS	100.0	1570.1	100.0	100.0	201.7	169.2	113.9	100.0	244.5	244.5	244.5	100.0
1963	LEVEL - FT	1121.4	1121.6	1122.6	1122.9	1123.0	1122.8	1122.7	1122.5	1122.1	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	100.0	104.8	217.4	138.8	100.0	699.1	699.1	699.1	739.8
1964	LEVEL - FT	1120.9	1121.0	1122.4	1123.7	1123.5	1123.5	1123.5	1123.5	1122.8	1121.9	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	1493.7	830.6	232.8	292.7	364.8	1298.7	1298.7	1298.7	890.3
1965	LEVEL - FT	1120.9	1121.5	1123.2	1123.5	1123.4	1123.3	1123.2	1123.2	1122.6	1121.9	1121.3	1121.3
	OUTFLOW - CFS	101.1	245.6	530.6	1230.2	146.2	197.4	156.4	108.3	922.1	922.1	922.1	100.0
1966	LEVEL - FT	1121.3	1121.5	1122.5	1122.9	1122.8	1122.5	1122.3	1122.1	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	144.2	185.1	210.8	127.2	106.7	520.6	520.6	520.6	795.8
1967	LEVEL - FT	1120.8	1120.9	1122.4	1123.5	1123.2	1122.6	1122.4	1122.2	1121.8	1121.7	1121.3	1120.8
	OUTFLOW - CFS	106.1	112.7	100.0	932.2	171.9	214.1	123.9	100.0	406.7	406.7	406.7	969.9
1968	LEVEL - FT	1121.0	1121.0	1122.9	1123.6	1123.5	1123.4	1123.4	1123.3	1122.6	1122.0	1121.3	1120.8
	OUTFLOW - CFS	100.0	101.1	392.1	1629.7	176.1	175.8	104.0	100.0	1100.6	1100.6	1100.6	748.1
1969	LEVEL - FT	1121.0	1120.9	1122.9	1123.5	1123.4	1123.0	1122.9	1122.9	1122.3	1121.8	1121.3	1121.4
	OUTFLOW - CFS	100.0	1585.0	1235.4	122.3	142.9	197.6	105.6	100.0	885.3	885.3	885.3	100.0
1970	LEVEL - FT	1121.5	1121.4	1122.2	1122.5	1122.2	1121.6	1121.4	1121.2	1121.1	1121.0	1120.9	1121.1
	OUTFLOW - CFS	100.0	100.0	100.0	100.0	253.1	230.7	105.6	100.0	100.0	100.0	100.0	100.0

OKANAGAN RIVER SYSTEM
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2020 LEVEL OF DEVELOPMENT

MINIMUM FLOW REQUIREMENTS - CFS 100.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHING REQUIREMENTS - CFS	MAX	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	MIN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

CHANNEL CAPACITY - CFS

0.	OKANAGAN LAKE - NORTH OF PENTICTON
1680.	PENTICTON TO SKAHA LAKE DAM
2160.	SKAHA LAKE DAM TO VASEUX LAKE
2720.	VASEUX LAKE TO GAUGE NM-85 AT OLIVER

LAKE LEVEL ADJUSTED IN NOV-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

FULL DOWNSTREAM REQUIREMENTS AND MINIMUM FLOWS SATISFIED
NO IMPORTATION OF WATER FROM FRASER SYSTEM

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED
OPERATED FROM 1921-1970

(0 FT = 1119.8)

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-3.0 TO -2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.5 TO -2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.0 TO -1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.5 TO -1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.2
-1.0 TO -0.5	2.0	1.6	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	0.0	1.0
-0.5 TO 0.0	3.0	8.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	1.2
0.0 TO 0.5	6.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	1.8
0.5 TO 1.0	25.2	14.6	2.0	2.0	2.0	0.0	0.0	4.0	4.2	2.2	5.2	4.2	5.5
1.0 TO 1.5	51.0	38.4	4.6	0.0	2.0	6.0	4.2	4.2	6.0	6.0	86.8	83.8	24.4
1.5 TO 2.0	9.8	24.0	6.0	4.0	4.0	4.2	6.2	4.0	10.6	47.4	4.0	8.0	11.0
2.0 TO 2.5	0.0	4.8	15.2	2.2	4.6	6.4	8.4	13.4	33.6	40.4	0.0	0.0	10.7
2.5 TO 3.0	0.0	1.6	35.4	8.8	6.6	13.8	26.0	33.6	39.6	0.0	0.0	0.0	13.8
3.0 TO 3.5	0.0	0.0	31.0	18.2	27.0	46.4	39.8	25.0	4.0	0.0	0.0	0.0	15.9
3.5 TO 4.0	0.0	0.0	4.2	59.2	53.2	21.2	13.4	13.8	0.0	0.0	0.0	0.0	13.7
4.0 TO 4.5	0.0	0.0	1.4	3.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
4.5 TO 5.0	0.0	0.0	0.2	1.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
5.0 TO 5.5	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1121.5	1122.5	1124.5	1124.8	1124.2	1123.5	1123.5	1123.5	1122.9	1122.2	1121.3	1121.4	1124.8
MEAN	1120.7	1120.9	1122.5	1123.2	1123.0	1122.8	1122.6	1122.5	1122.0	1121.6	1121.1	1120.8	1122.0
MIN	1119.0	1119.9	1120.4	1120.5	1120.3	1119.7	1119.5	1119.2	1119.1	1119.1	1118.9	1118.7	1118.7
RANGE	2.5	3.6	4.0	4.4	3.9	3.8	4.0	4.3	3.8	3.1	2.4	2.7	6.1

RUN 3 - 2020 DEV. (FIRST ECONOMIC PROJECTION)

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	82.4	67.4	57.4	29.6	2.0	0.0	22.0	80.0	12.2	12.2	12.2	32.0	34.1
125 TO 150	0.2	3.2	0.8	10.8	14.0	2.0	52.0	12.0	0.0	0.0	0.0	0.0	7.9
150 TO 175	0.4	0.2	0.8	0.6	24.4	16.0	19.8	2.0	1.8	1.8	1.8	0.0	5.8
175 TO 200	0.4	0.0	0.8	2.4	11.0	26.0	0.0	0.0	0.2	0.2	0.2	0.0	3.4
200 TO 250	0.8	0.8	1.8	2.6	17.4	30.0	2.2	2.0	0.0	0.0	0.0	0.0	4.8
250 TO 300	0.8	0.2	2.8	1.2	6.2	19.8	2.0	2.0	0.2	0.2	0.2	0.0	3.5
300 TO 500	1.4	1.4	5.0	5.4	5.6	4.0	2.0	2.0	14.4	14.4	14.4	0.0	5.8
500 TO 1000	3.2	5.8	10.2	13.6	9.6	0.2	0.0	0.0	54.0	54.0	54.0	64.0	22.4
1000 TO 1500	3.2	6.8	19.8	24.2	8.8	2.0	0.0	0.0	17.2	17.2	17.2	4.0	10.0
1500 TO 2000	7.2	14.2	0.6	9.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1680.0	1680.0	1519.0	1680.0	1680.0	1483.2	412.3	366.6	1334.0	1334.0	1334.0	1183.2	1680.0
MEAN	277.1	440.6	441.0	651.9	356.1	234.4	146.1	125.2	681.9	682.4	682.1	598.9	443.1
MIN	100.0	100.0	100.0	100.0	100.0	149.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
RANGE	1580.0	1580.0	1419.0	1580.0	1580.0	1333.6	312.3	266.6	1234.0	1234.0	1234.0	1083.2	1580.0

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	63.4	28.8	5.8	25.2	48.8	50.0	93.8	88.0	12.2	12.2	12.2	32.0	39.4
125 TO 150	16.0	16.8	6.0	4.2	10.2	20.0	0.0	4.0	0.0	0.0	0.0	0.0	6.4
150 TO 175	0.0	16.4	10.0	5.0	8.2	15.8	0.2	2.0	1.8	1.8	0.0	0.0	5.1
175 TO 200	2.0	7.4	4.0	6.2	5.4	6.0	0.0	2.0	0.0	0.2	2.0	0.0	3.0
200 TO 250	1.6	1.4	15.6	4.0	1.4	2.0	0.0	0.0	0.2	0.2	0.2	0.0	2.2
250 TO 300	0.8	0.4	12.2	1.2	1.2	2.0	4.0	2.0	0.4	0.0	0.0	0.0	2.0
300 TO 500	1.8	1.8	11.2	4.6	3.8	2.0	2.0	2.0	14.2	14.4	14.4	0.0	6.0
500 TO 1000	3.0	5.2	9.0	12.4	13.2	0.2	0.0	0.0	53.4	54.0	53.4	60.0	22.0
1000 TO 1500	3.4	5.0	9.2	17.8	6.8	2.0	0.0	0.0	17.8	17.2	17.8	8.0	8.7
1500 TO 2000	7.2	16.8	17.0	19.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1686.6	1705.1	1713.2	1695.5	1677.6	1480.0	365.6	356.0	1351.2	1370.2	1357.4	1200.3	1713.2
MEAN	291.2	491.8	612.3	717.7	308.6	155.1	115.7	117.8	688.5	688.2	691.2	612.0	457.5
MIN	100.0	101.9	114.9	100.0	100.0	100.0	100.0	102.3	101.2	102.6	102.3	102.3	100.0
RANGE	1586.6	1603.2	1598.2	1595.5	1577.6	1380.0	265.6	253.7	1250.0	1267.6	1255.0	1098.0	1613.2

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 2020 LEVEL OF DEVELOPMENT

YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.8	1120.9	1123.1	1123.6	1123.5	1123.1	1122.8	1122.6	1122.2	1121.7	1121.3	1120.9
	OUTFLOW - CFS	101.4	100.0	100.0	1587.9	184.9	241.1	148.4	111.3	674.6	674.6	674.6	586.9
1922	LEVEL - FT	1120.9	1120.9	1122.5	1123.5	1123.2	1122.9	1122.8	1122.7	1122.2	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	422.9	214.0	226.2	124.5	103.0	668.9	668.9	668.9	659.8
1923	LEVEL - FT	1121.0	1120.8	1122.5	1123.5	1123.5	1123.2	1122.9	1122.7	1122.3	1122.0	1121.3	1121.4
	OUTFLOW - CFS	100.0	949.9	100.0	1434.5	257.5	214.6	145.0	109.6	566.9	566.9	566.9	100.0
1924	LEVEL - FT	1121.5	1121.4	1122.6	1122.7	1122.2	1121.8	1121.4	1121.3	1121.3	1121.2	1121.2	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	136.6	248.8	254.3	151.7	106.3	100.0	101.2	100.0	763.3
1925	LEVEL - FT	1120.8	1121.3	1123.1	1123.5	1123.1	1122.5	1122.1	1121.9	1121.5	1121.3	1121.3	1121.2
	OUTFLOW - CFS	100.0	100.0	123.0	225.5	228.9	294.1	155.0	111.3	367.2	367.2	367.2	106.8
1926	LEVEL - FT	1121.2	1121.6	1122.3	1122.1	1121.7	1121.2	1120.9	1120.8	1120.7	1120.6	1120.6	1120.4
	OUTFLOW - CFS	100.0	100.0	100.0	177.8	225.6	275.9	148.4	104.6	100.5	109.5	100.0	108.5
1927	LEVEL - FT	1120.3	1120.3	1121.3	1122.7	1122.5	1122.3	1122.8	1123.3	1122.7	1122.1	1121.3	1120.8
	OUTFLOW - CFS	109.7	100.0	100.0	100.0	166.6	207.9	100.0	174.2	1276.7	1276.7	1276.7	820.6
1928	LEVEL - FT	1120.3	1121.0	1124.5	1124.8	1124.2	1123.5	1123.2	1123.0	1122.8	1121.9	1121.3	1121.1
	OUTFLOW - CFS	1105.5	100.0	1303.5	1597.9	1680.0	678.7	140.1	111.3	820.3	820.3	820.3	105.2
1929	LEVEL - FT	1121.2	1121.1	1121.3	1121.8	1121.4	1121.3	1121.5	1121.3	1121.1	1120.9	1120.8	1120.7
	OUTFLOW - CFS	100.0	100.0	100.0	100.1	243.8	164.6	100.0	111.3	100.0	109.5	108.8	100.0
1930	LEVEL - FT	1120.7	1121.1	1121.3	1121.6	1121.3	1121.0	1120.8	1120.5	1120.4	1120.1	1120.0	1119.9
	OUTFLOW - CFS	100.0	100.0	100.0	113.4	257.1	214.6	135.1	119.5	103.9	109.5	103.8	110.1
1931	LEVEL - FT	1119.9	1119.9	1120.4	1120.5	1120.3	1119.7	1119.5	1119.2	1119.1	1119.1	1118.9	1118.7
	OUTFLOW - CFS	100.0	100.0	100.0	139.9	175.8	292.5	141.7	117.9	100.0	102.9	108.8	105.2
1932	LEVEL - FT	1119.0	1119.5	1121.6	1122.7	1122.5	1122.3	1122.1	1121.9	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	100.0	155.7	188.0	135.1	104.6	384.5	384.5	384.5	745.6
1933	LEVEL - FT	1120.9	1120.1	1122.0	1123.5	1123.5	1123.2	1123.2	1123.4	1122.6	1122.0	1121.3	1120.8
	OUTFLOW - CFS	100.0	1632.0	100.0	679.2	386.8	224.5	117.9	100.0	1334.0	1334.0	1334.0	828.9
1934	LEVEL - FT	1121.1	1122.5	1123.3	1123.4	1123.2	1123.0	1122.9	1122.7	1122.3	1121.8	1121.3	1120.9
	OUTFLOW - CFS	100.0	1451.3	877.1	134.9	179.1	194.7	133.4	107.9	905.6	905.6	905.6	913.4
1935	LEVEL - FT	1121.1	1120.1	1122.2	1123.5	1123.5	1123.5	1123.4	1123.2	1122.5	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	1648.6	100.0	253.7	1465.8	309.7	126.2	111.3	1054.9	1054.9	1054.9	590.2
1936	LEVEL - FT	1120.9	1121.7	1123.3	1123.5	1123.5	1123.2	1122.9	1122.7	1122.0	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	740.8	1065.1	160.3	227.8	136.8	111.3	555.7	555.7	555.7	924.7
1937	LEVEL - FT	1120.9	1121.0	1122.7	1123.5	1123.5	1123.1	1122.9	1122.8	1122.4	1121.9	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	1270.1	161.9	256.0	131.8	103.0	852.9	852.9	852.9	825.5
1938	LEVEL - FT	1120.9	1121.1	1123.1	1123.5	1123.3	1122.9	1122.8	1122.5	1122.0	1121.6	1121.3	1121.1
	OUTFLOW - CFS	100.0	579.8	100.0	261.5	187.4	251.0	126.2	112.9	578.4	578.4	578.4	105.2
1939	LEVEL - FT	1121.2	1121.5	1122.7	1123.2	1123.0	1122.5	1122.2	1121.9	1121.7	1121.6	1121.3	1121.2
	OUTFLOW - CFS	100.0	100.0	100.0	100.1	182.5	277.6	138.4	117.9	319.3	319.3	319.3	101.9
1940	LEVEL - FT	1121.4	1121.8	1122.9	1123.0	1122.6	1122.1	1121.9	1121.6	1121.4	1121.3	1121.3	1121.2
	OUTFLOW - CFS	100.0	100.0	100.0	133.3	225.6	289.2	131.8	112.9	170.5	170.5	170.5	100.2
1941	LEVEL - FT	1121.3	1122.0	1122.7	1123.3	1123.2	1123.0	1123.2	1123.4	1122.8	1122.2	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	100.0	158.6	209.6	104.7	100.0	1163.7	1163.7	1163.7	870.0
1942	LEVEL - FT	1120.7	1121.5	1122.8	1123.5	1123.5	1123.2	1122.8	1122.5	1122.0	1121.8	1121.3	1120.8
	OUTFLOW - CFS	103.0	100.0	1472.6	1566.4	775.4	226.2	141.7	119.5	599.0	599.0	599.0	865.3
1943	LEVEL - FT	1120.7	1121.2	1122.2	1123.2	1123.2	1122.8	1122.4	1122.3	1121.9	1121.6	1121.3	1121.4
	OUTFLOW - CFS	103.0	100.0	100.0	100.0	143.7	232.8	143.4	119.5	357.9	357.9	357.9	100.0
1944	LEVEL - FT	1121.2	1121.3	1122.3	1123.3	1123.2	1122.9	1122.8	1122.8	1122.3	1121.8	1121.3	1120.8
	OUTFLOW - CFS	108.0	100.0	100.0	100.0	167.5	179.5	137.8	111.3	814.1	814.1	814.1	901.8
1945	LEVEL - FT	1120.7	1120.8	1122.7	1123.5	1123.4	1123.0	1122.8	1122.9	1122.2	1121.8	1121.3	1120.8
	OUTFLOW - CFS	184.5	100.0	1228.8	951.7	140.4	184.5	136.1	107.9	863.7	863.7	863.7	760.8
1946	LEVEL - FT	1120.9	1120.6	1123.4	1124.1	1123.5	1123.3	1123.0	1122.7	1122.3	1121.8	1121.3	1121.3
	OUTFLOW - CFS	100.0	1580.6	1378.1	1541.5	872.0	179.8	106.9	100.0	660.9	660.9	660.9	100.0
1947	LEVEL - FT	1121.4	1121.8	1122.6	1123.0	1122.8	1122.5	1122.3	1122.3	1122.0	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	110.1	148.7	207.9	151.1	124.5	517.5	517.5	517.5	726.4
1948	LEVEL - FT	1119.6	1118.9	1122.0	1123.5	1123.5	1123.5	1123.5	1123.5	1122.7	1122.1	1121.3	1120.8
	OUTFLOW - CFS	1678.1	1625.4	1273.7	1105.5	570.8	1044.0	203.5	221.1	974.4	974.4	974.4	962.8
1949	LEVEL - FT	1121.0	1121.9	1123.7	1123.5	1123.5	1123.4	1123.2	1123.0	1122.4	1122.1	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	1519.0	1011.2	237.9	181.2	144.4	124.5	842.4	842.4	842.4	820.2
1950	LEVEL - FT	1120.4	1119.5	1121.5	1123.5	1123.5	1123.5	1123.1	1123.1	1122.5	1122.0	1121.3	1120.8
	OUTFLOW - CFS	901.1	1637.0	100.0	564.8	222.7	162.9	147.7	116.2	919.7	919.7	919.7	1183.2
1951	LEVEL - FT	1119.9	1119.7	1122.5	1123.5	1123.5	1123.2	1123.0	1123.1	1122.5	1122.0	1121.3	1120.8
	OUTFLOW - CFS	1638.6	1575.6	1271.9	296.4	405.0	176.2	152.7	100.0	876.7	876.7	876.7	987.6
1952	LEVEL - FT	1120.9	1121.4	1123.4	1123.5	1123.5	1123.2	1123.0	1122.8	1122.1	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	769.9	1306.8	1097.1	349.0	164.6	119.6	100.0	734.6	734.6	734.6	848.7
1953	LEVEL - FT	1120.8	1120.8	1122.3	1123.5	1123.5	1123.5	1123.2	1123.1	1122.5	1121.9	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	445.8	232.6	216.9	146.1	100.0	952.1	952.1	952.1	865.3
1954	LEVEL - FT	1120.8	1120.5	1122.4	1123.5	1123.5	1123.5	1123.5	1123.4	1122.9	1122.1	1121.3	1120.8
	OUTFLOW - CFS	116.3	493.0	951.9	873.9	1046.5	374.4	412.3	124.5	1242.0	1242.0	1242.0	807.3
1955	LEVEL - FT	1120.9	1119.9	1121.0	1123.3	1123.5	1123.3	1123.1	1123.0	1122.3	1121.8	1121.3	1120.8
	OUTFLOW - CFS	113.0	1680.0	100.0	100.0	764.9	219.3	159.4	127.8	991.0	991.0	991.0	695.9
1956	LEVEL - FT	1121.0	1120.8	1122.9	1123.5	1123.5	1123.3	1123.1	1122.9	1122.3	1121.9	1121.3	1120.8
	OUTFLOW - CFS	118.0	1570.3	1437.6	1306.6	279.0	219.3	159.4	126.2	791.1	791.1	791.1	876.6
1957	LEVEL - FT	1120.9	1121.1	1123.3	1123.5	1123.4	1123.4	1123.3	1123.2	1122.5	1121.8	1121.3	1120.9
	OUTFLOW - CFS	103.0	100.0	1429.5	676.7	160.3	195.4	162.7	119.5	1006.7	1006.7	1006.7	1031.1

RUN 3 - 2020 DEV. (FIRST ECONOMIC PROJECTION) . . . Continued

1958	LEVEL - FT	1120.9	1120.9	1122.8	1123.3	1123.2	1122.7	1122.5	1122.5	1122.0	1121.6	1121.3	1120.8
	OUTFLOW - CFS	104.7	628.0	932.0	100.0	163.6	201.3	159.4	127.8	737.6	737.6	737.6	795.7
1959	LEVEL - FT	1120.9	1120.2	1122.5	1123.7	1123.5	1123.2	1123.5	1123.5	1122.8	1122.1	1121.3	1120.8
	OUTFLOW - CFS	101.4	1612.1	983.0	1478.5	583.0	166.2	161.1	366.6	1268.3	1268.3	1268.3	997.6
1960	LEVEL - FT	1120.8	1121.4	1123.1	1123.5	1123.3	1123.0	1122.9	1122.6	1122.2	1121.7	1121.3	1120.
	OUTFLOW - CFS	100.0	100.0	100.0	925.1	169.2	149.7	136.1	129.5	640.9	640.9	640.9	840.5
1961	LEVEL - FT	1120.9	1121.0	1123.2	1123.5	1123.4	1123.1	1122.5	1122.3	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	1036.2	170.2	166.2	144.4	117.9	454.8	454.8	454.8	886.9
1962	LEVEL - FT	1120.9	1120.1	1121.2	1122.2	1122.2	1122.0	1121.7	1121.8	1121.6	1121.5	1121.3	1121.3
	OUTFLOW - CFS	100.0	1585.6	100.0	100.0	169.2	158.0	121.2	100.0	189.1	189.1	189.1	100.0
1963	LEVEL - FT	1121.4	1121.5	1122.5	1122.8	1123.0	1122.8	1122.7	1122.4	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	100.0	100.0	199.4	146.1	122.9	618.4	618.4	618.4	691.3
1964	LEVEL - FT	1120.9	1120.9	1122.3	1123.7	1123.5	1123.5	1123.5	1123.5	1122.8	1121.9	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	1480.2	891.0	288.2	269.8	274.1	1240.2	1240.2	1240.2	842.1
1965	LEVEL - FT	1120.8	1121.5	1123.2	1123.5	1123.5	1123.4	1123.3	1123.2	1122.6	1121.9	1121.3	1121.3
	OUTFLOW - CFS	114.6	148.8	553.3	1276.6	133.8	186.1	159.7	131.1	863.7	863.7	863.7	100.0
1966	LEVEL - FT	1121.3	1121.4	1122.4	1122.8	1122.9	1122.6	1122.4	1122.1	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	100.0	126.6	152.6	178.1	134.5	129.5	459.7	459.7	459.7	747.6
1967	LEVEL - FT	1120.8	1120.7	1122.3	1123.5	1123.3	1122.8	1122.5	1122.2	1121.8	1121.7	1121.3	1120.8
	OUTFLOW - CFS	119.6	128.2	100.0	889.0	143.7	181.4	131.2	116.2	361.4	361.4	361.4	921.3
1968	LEVEL - FT	1121.0	1120.9	1122.8	1123.6	1123.5	1123.5	1123.4	1123.2	1122.6	1122.0	1121.3	1120.8
	OUTFLOW - CFS	100.0	116.6	316.3	1616.1	296.5	164.6	111.3	121.2	1017.0	1017.0	1017.0	699.2
1969	LEVEL - FT	1121.0	1120.8	1122.9	1123.5	1123.4	1123.1	1123.0	1122.9	1122.3	1121.8	1121.3	1121.4
	OUTFLOW - CFS	100.0	1600.5	1159.2	168.7	130.4	164.8	112.9	117.9	834.4	834.4	834.4	100.0
1970	LEVEL - FT	1121.4	1121.2	1122.1	1122.5	1122.2	1121.7	1121.4	1121.2	1121.0	1120.9	1120.8	1120.9
	OUTFLOW - CFS	100.0	100.0	100.0	100.0	220.6	198.0	112.9	103.0	105.5	100.0	100.0	100.0

OKANAGAN RIVER SYSTEM
****

1970 LEVEL OF DEVELOPMENT

MINIMUM FLOW REQUIREMENTS - CFS 100.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHING REQUIREMENTS - CFS	MAX	0.	0.	0.	0.	0.	0.	470.	470.	0.	0.	0.	0.
	MIN	170.	170.	0.	0.	0.	0.	250.	250.	170.	170.	170.	170.

CHANNEL CAPACITY - CFS

0.	OKANAGAN LAKE - NORTH OF PENTICTON
1680.	PENTICTON TO SKAHA LAKE DAM
2160.	SKAHA LAKE DAM TO VASEUX LAKE
2720.	VASEUX LAKE TO GAUGE NM-85 AT OLIVER

LAKE LEVEL ADJUSTED IN NOV-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

FULL DOWNSTREAM REQUIREMENTS AND MINIMUM FLOWS SATISFIED
NO IMPORTATION OF WATER FROM FRASER SYSTEM

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED
OPERATED FROM 1921-1970

(0 FT = 1119.8)

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-3.0 TO -2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.5 TO -2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.2
-2.0 TO -1.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	0.0	0.8
-1.5 TO -1.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.3
-1.0 TO -0.5	2.0	3.6	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.8
-0.5 TO 0.0	2.2	5.0	2.0	2.6	2.0	0.0	0.0	0.0	2.0	2.0	2.0	0.0	1.6
0.0 TO 0.5	9.8	7.8	0.0	0.0	0.0	0.0	2.0	2.0	0.0	2.0	2.0	2.0	2.3
0.5 TO 1.0	23.4	13.8	2.0	0.0	0.0	2.0	2.0	4.2	6.2	6.2	6.2	6.2	6.0
1.0 TO 1.5	50.8	37.4	6.4	2.0	4.0	6.2	8.2	6.0	5.8	5.8	84.4	79.8	24.7
1.5 TO 2.0	9.8	24.0	2.4	4.0	4.2	6.0	2.2	8.4	13.8	51.6	3.4	8.0	11.5
2.0 TO 2.5	0.0	4.8	17.6	4.8	6.6	4.8	16.0	12.4	43.0	30.4	0.0	0.0	11.7
2.5 TO 3.0	0.0	1.6	32.0	8.4	7.0	22.8	34.0	37.0	21.2	0.0	0.0	0.0	13.7
3.0 TO 3.5	0.0	0.0	33.2	16.6	26.4	37.4	22.2	20.0	6.0	0.0	0.0	0.0	13.5
3.5 TO 4.0	0.0	0.0	3.2	58.6	49.4	18.8	11.4	8.0	0.0	0.0	0.0	0.0	12.4
4.0 TO 4.5	0.0	0.0	1.0	2.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
4.5 TO 5.0	0.0	0.0	0.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
5.0 TO 5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1121.5	1122.6	1124.4	1124.7	1124.1	1123.5	1123.6	1123.6	1122.9	1122.1	1121.3	1121.4	1124.7
MEAN	1120.7	1120.9	1122.5	1123.1	1122.9	1122.6	1122.4	1122.2	1121.8	1121.5	1121.1	1120.7	1121.9
MIN	1118.0	1118.6	1119.8	1119.7	1119.5	1118.9	1118.5	1118.2	1118.2	1118.1	1117.5	1117.8	1117.3
RANGE	3.4	4.0	4.7	5.0	4.6	4.6	5.1	5.4	4.8	4.0	3.4	3.6	6.9

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
100 TO 125	4.6	0.0	58.8	26.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7
125 TO 150	36.6	0.0	0.8	8.4	4.2	0.0	0.0	0.0	2.0	2.0	8.0	12.0	5.2
150 TO 175	37.8	67.6	1.0	8.2	19.4	6.0	0.0	2.0	14.2	14.2	8.2	22.0	16.7
175 TO 200	0.4	2.6	1.0	1.0	12.6	24.0	0.0	4.0	0.2	0.2	0.2	0.0	3.8
200 TO 250	0.6	0.8	2.6	2.2	23.4	34.0	0.0	86.0	2.2	2.2	2.2	0.0	13.0
250 TO 300	1.0	0.4	0.8	1.0	16.4	21.8	86.0	8.0	2.2	2.2	2.2	0.0	11.9
300 TO 500	1.8	1.4	4.4	5.8	3.4	12.2	14.0	0.0	10.8	10.8	10.8	2.0	6.4
500 TO 1000	3.2	5.6	10.0	14.4	12.0	1.8	0.0	0.0	51.4	51.4	51.4	54.0	21.3
1000 TO 1500	3.4	7.0	20.0	23.2	5.8	0.2	0.0	0.0	17.0	17.0	17.0	10.0	10.0
1500 TO 2000	7.4	14.6	0.6	9.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1680.0	1669.5	1521.0	1680.0	1680.0	1280.3	306.4	289.1	1359.0	1359.0	1359.0	1231.7	1680.0
MEAN	315.9	490.7	435.3	630.3	343.0	251.0	278.9	232.8	651.4	651.7	651.3	626.6	481.7
MIN	35.7	170.0	100.0	100.0	104.8	164.4	250.0	174.7	127.9	128.5	135.9	133.4	35.7
RANGE	1644.3	1499.5	1421.0	1580.0	1575.2	1115.9	56.4	114.4	1231.1	1230.4	1223.0	1098.4	1644.3

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	0.0	0.0	7.8	25.4	41.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3
125 TO 150	0.0	0.0	6.0	8.0	17.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
150 TO 175	82.0	3.6	8.2	9.4	8.2	18.0	0.0	0.0	16.0	16.2	16.2	34.0	17.6
175 TO 200	0.0	8.8	6.0	1.0	8.2	15.8	0.0	0.0	0.2	0.2	0.2	0.0	3.4
200 TO 250	0.6	41.8	14.2	1.4	3.2	8.0	22.0	0.0	2.4	0.2	2.0	0.0	8.0
250 TO 300	1.0	16.2	12.4	0.2	1.2	0.0	76.0	100.0	2.0	4.0	2.2	0.0	17.9
300 TO 500	2.4	2.2	10.8	8.4	3.4	0.2	2.0	0.0	10.6	10.6	10.8	2.0	5.3
500 TO 1000	2.8	5.6	9.6	11.8	13.6	1.8	0.0	0.0	51.0	51.0	48.8	48.2	20.3
1000 TO 1500	3.8	4.8	8.6	18.4	3.4	0.2	0.0	0.0	17.8	17.8	19.8	15.8	9.2
1500 TO 2000	7.4	17.0	16.4	15.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1687.8	1706.5	1711.5	1691.5	1666.9	1265.8	344.4	250.0	1387.8	1373.9	1394.7	1261.7	1711.5
MEAN	344.7	558.8	603.0	678.5	283.0	160.5	255.3	250.0	672.9	674.4	675.9	652.6	484.1
MIN	170.0	173.3	113.3	100.0	100.0	100.0	250.0	250.0	170.0	170.0	170.0	170.0	100.0
RANGE	1517.8	1533.2	1598.2	1591.5	1566.9	1165.8	94.4	0.0	1217.8	1203.9	1224.7	1091.7	1611.5

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 1970 LEVEL OF DEVELOPMENT

YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.8	1120.9	1123.1	1123.5	1123.4	1122.9	1122.5	1122.3	1122.0	1121.6	1121.3	1120.8
	OUTFLOW - CFS	153.4	170.0	100.0	1601.5	196.7	273.8	291.6	-231.1	589.6	589.6	589.6	635.4
1922	LEVEL - FT	1120.9	1120.9	1122.4	1123.5	1123.1	1122.7	1122.6	1122.5	1122.0	1121.6	1121.3	1120.8
	OUTFLOW - CFS	146.7	170.0	100.0	320.2	246.4	258.9	267.2	222.8	617.4	617.4	617.4	708.0
1923	LEVEL - FT	1121.0	1120.8	1122.6	1123.5	1123.5	1123.2	1122.8	1122.6	1122.1	1121.9	1121.3	1121.4
	OUTFLOW - CFS	128.5	1004.5	100.0	1365.7	196.7	247.3	288.2	229.4	546.4	546.4	546.4	140.0
1924	LEVEL - FT	1121.5	1121.4	1122.6	1122.6	1122.1	1121.6	1121.1	1121.0	1120.9	1120.9	1120.9	1120.8
	OUTFLOW - CFS	141.8	170.0	100.0	154.2	281.3	287.1	294.9	226.1	151.1	151.7	145.9	400.9
1925	LEVEL - FT	1120.8	1121.3	1123.0	1123.5	1123.0	1122.4	1121.9	1121.7	1121.3	1121.3	1121.3	1121.2
	OUTFLOW - CFS	151.7	170.0	125.0	116.4	261.4	326.8	298.2	232.7	314.8	314.8	314.8	161.6
1926	LEVEL - FT	1121.2	1121.6	1122.3	1122.0	1121.5	1120.9	1120.6	1120.4	1120.4	1120.2	1120.3	1120.1
	OUTFLOW - CFS	145.1	170.0	100.0	216.1	258.0	308.6	291.6	224.4	151.1	160.0	147.5	163.2
1927	LEVEL - FT	1120.0	1120.0	1121.0	1122.3	1122.1	1121.8	1122.1	1122.7	1122.3	1121.9	1121.3	1120.8
	OUTFLOW - CFS	163.3	170.0	100.0	100.0	200.0	240.6	250.0	289.1	1036.1	1036.1	1036.1	869.1
1928	LEVEL - FT	1120.3	1121.0	1124.4	1124.7	1124.1	1123.5	1123.1	1122.9	1122.7	1121.9	1121.3	1121.1
	OUTFLOW - CFS	1170.6	170.0	1305.5	1611.4	1680.0	425.7	283.3	232.7	828.5	828.5	828.5	159.9
1929	LEVEL - FT	1121.2	1121.1	1121.3	1121.7	1121.2	1121.1	1121.2	1121.0	1120.8	1120.6	1120.5	1120.4
	OUTFLOW - CFS	143.4	170.0	100.0	117.7	276.3	189.3	250.0	231.1	151.1	160.0	160.6	153.3
1930	LEVEL - FT	1120.4	1120.7	1120.9	1121.2	1120.8	1120.5	1120.2	1119.8	1119.7	1119.4	1119.4	1119.2
	OUTFLOW - CFS	151.7	170.0	100.0	131.0	284.6	247.3	278.3	241.0	156.1	160.0	155.8	164.9
1931	LEVEL - FT	1119.2	1119.2	1119.8	1119.7	1119.5	1118.9	1118.5	1118.2	1118.2	1118.1	1117.9	1117.8
	OUTFLOW - CFS	150.1	170.0	100.0	157.5	208.3	325.2	284.9	239.4	151.1	153.4	160.8	159.9
1932	LEVEL - FT	1118.0	1118.6	1120.6	1121.7	1121.4	1121.2	1120.9	1120.6	1120.8	1120.7	1120.7	1120.7
	OUTFLOW - CFS	125.2	170.0	100.0	100.0	228.2	220.8	278.3	224.4	127.9	158.4	154.2	151.6
1933	LEVEL - FT	1120.7	1120.0	1122.0	1123.5	1123.5	1123.1	1123.1	1123.2	1122.5	1121.9	1121.3	1120.9
	OUTFLOW - CFS	150.1	1543.6	100.0	531.7	326.0	257.2	266.6	197.9	1320.8	1320.8	1320.8	877.7
1934	LEVEL - FT	1121.2	1122.6	1123.3	1123.2	1123.1	1122.8	1122.6	1122.4	1122.1	1121.7	1121.3	1120.8
	OUTFLOW - CFS	116.9	1415.8	968.2	152.5	211.6	227.4	276.6	227.8	821.9	821.9	821.9	961.9
1935	LEVEL - FT	1121.1	1122.2	1122.3	1123.5	1123.5	1123.5	1123.3	1123.1	1122.4	1121.7	1121.3	1120.8
	OUTFLOW - CFS	125.2	1633.1	100.0	257.7	1405.1	254.3	268.9	232.7	1063.2	1063.2	1063.2	638.7
1936	LEVEL - FT	1120.9	1121.7	1123.3	1123.5	1123.4	1123.0	1122.7	1122.5	1121.9	1121.7	1121.3	1120.8
	OUTFLOW - CFS	146.7	170.0	684.1	1018.7	172.8	260.5	260.0	231.1	510.6	510.6	510.6	973.2
1937	LEVEL - FT	1120.9	1121.0	1122.6	1123.5	1123.4	1123.0	1122.7	1122.5	1122.2	1121.8	1121.3	1120.8
	OUTFLOW - CFS	143.4	170.0	100.0	1170.6	176.8	288.7	275.0	222.8	807.0	807.0	807.0	674.1
1938	LEVEL - FT	1120.9	1121.1	1123.1	1123.5	1123.2	1122.8	1122.6	1122.3	1121.8	1121.5	1121.3	1121.1
	OUTFLOW - CFS	138.5	624.4	100.0	192.6	219.9	283.7	268.9	232.7	526.7	526.7	526.7	159.9
1939	LEVEL - FT	1121.2	1121.5	1122.7	1123.1	1122.9	1122.3	1121.9	1121.6	1121.4	1121.4	1121.3	1121.2
	OUTFLOW - CFS	145.1	170.0	100.0	117.7	214.9	310.3	281.6	239.4	225.4	225.4	225.4	156.6
1940	LEVEL - FT	1121.4	1121.8	1122.9	1122.9	1122.5	1121.9	1121.6	1121.3	1121.2	1121.1	1121.1	1121.1
	OUTFLOW - CFS	130.2	170.0	100.0	150.9	258.0	321.9	275.0	232.7	161.0	153.4	142.6	154.9
1941	LEVEL - FT	1121.1	1121.8	1122.5	1123.0	1122.9	1122.6	1122.7	1123.0	1122.5	1122.1	1121.3	1120.9
	OUTFLOW - CFS	138.5	170.0	100.0	109.4	171.1	242.3	250.0	186.3	1022.4	1022.4	1022.4	918.8
1942	LEVEL - FT	1120.7	1121.5	1122.8	1123.5	1123.5	1123.1	1122.7	1122.4	1121.9	1121.7	1121.3	1120.8
	OUTFLOW - CFS	155.0	170.0	1441.8	1504.3	699.0	258.9	284.9	241.0	577.8	577.8	577.8	913.9
1943	LEVEL - FT	1120.7	1121.1	1122.2	1123.1	1123.0	1122.6	1122.1	1122.0	1121.7	1121.5	1121.3	1121.4
	OUTFLOW - CFS	156.7	170.0	100.0	100.0	165.2	265.5	286.6	239.4	273.3	273.3	273.3	151.6
1944	LEVEL - FT	1121.2	1121.3	1122.3	1123.2	1123.0	1122.7	1122.5	1122.5	1122.1	1121.7	1121.3	1120.8
	OUTFLOW - CFS	161.7	170.0	100.0	100.0	200.0	193.7	280.5	234.4	730.9	730.9	730.9	950.3
1945	LEVEL - FT	1120.7	1120.7	1122.7	1123.5	1123.3	1122.9	1122.6	1122.6	1122.1	1121.7	1121.3	1120.8
	OUTFLOW - CFS	249.6	170.0	1154.0	905.3	152.9	195.7	278.8	231.1	824.9	824.9	824.9	823.3
1946	LEVEL - FT	1120.9	1120.7	1123.4	1124.0	1123.5	1123.2	1122.9	1122.6	1122.2	1121.7	1121.3	1121.3
	OUTFLOW - CFS	140.1	1565.1	1380.1	1555.1	785.7	212.5	250.1	214.5	641.9	641.9	641.9	143.3
1947	LEVEL - FT	1121.5	1121.8	1122.5	1122.9	1122.7	1122.3	1122.1	1122.0	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	141.8	170.0	100.0	127.7	161.1	240.6	293.8	247.6	434.7	434.7	434.7	774.3
1948	LEVEL - FT	1119.7	1119.7	1122.1	1123.5	1123.5	1123.5	1123.5	1123.5	1122.7	1122.1	1121.3	1120.8
	OUTFLOW - CFS	1664.5	1609.8	1275.7	1146.3	[illegible]	988.6	250.0	249.3	1045.7	1045.7	1045.7	1011.6
1949	LEVEL - FT	1121.1	1122.0	1123.7	1123.5	1123.5	1123.4	1123.1	1122.8	1122.3	1122.0	1121.3	1120.8
	OUTFLOW - CFS	35.7	170.0	1521.0	1017.6	177.2	192.4	287.1	247.6	828.0	828.0	828.0	869.1
1950	LEVEL - FT	1120.4	1119.5	1121.5	1123.5	1123.5	1123.4	1123.0	1122.9	1122.4	1122.0	1121.3	1120.8
	OUTFLOW - CFS	966.2	1621.5	100.0	529.0	161.9	174.2	290.4	239.4	905.4	905.4	905.4	1231.7
1951	LEVEL - FT	1119.9	1119.8	1122.6	1123.5	1123.5	1123.1	1122.9	1122.9	1122.4	1121.9	1121.3	1120.8
	OUTFLOW - CFS	1623.1	1560.1	1317.1	294.3	344.3	187.4	295.4	219.5	863.4	863.4	863.4	1036.5
1952	LEVEL - FT	1120.9	1121.4	1123.4	1123.5	1123.5	1123.2	1122.9	1122.7	1122.0	1121.5	1121.3	1120.8
	OUTFLOW - CFS	150.1	802.9	1308.8	1026.1	288.2	175.8	262.3	174.7	736.3	736.3	736.3	897.3
1953	LEVEL - FT	1120.8	1120.9	1122.3	1123.5	1123.5	1123.5	1123.1	1122.9	1122.4	1121.9	1121.3	1120.8
	OUTFLOW - CFS	126.9	170.0	100.0	363.6	171.9	182.5	288.8	207.9	957.9	957.9	957.9	914.2
1954	LEVEL - FT	1120.8	1120.5	1122.4	1123.5	1123.5	1123.5	1123.6	1123.5	1122.9	1122.1	1121.3	1120.8
	OUTFLOW - CFS	166.6	526.0	929.2	827.5	985.7	319.0	300.4	244.3	1335.6	1335.6	1335.6	855.6
1955	LEVEL - FT	1120.9	1119.9	1121.0	1123.3	1123.5	1123.2	1123.0	1122.9	1122.2	1121.8	1121.3	1120.8
	OUTFLOW - CFS	165.0	1669.5	100.0	100.0	676.2	230.5	302.1	249.3	977.1	977.1	977.1	744.4
1956	LEVEL - FT	1121.0	1120.8	1122.9	1123.5	1123.5	1123.3	1123.0	1122.8	1122.2	1121.8	1121.3	1120.8
	OUTFLOW - CFS	170.0	1601.3	1414.9	1260.2	226.1	230.5	302.1	241.0	776.6	776.6	776.6	925.1
1957	LEVEL - FT	1120.9	1121.1	1123.3	1123.5	1123.3	1123.3	1123.2	1123.0	1122.3	1121.7	1121.3	1120.8
	OUTFLOW - CFS	158.4	170.0	1431.5	563.5	177.8	205.7	305.4	237.7	969.6	969.6	969.6	1079.6

1958	LEVEL - FT	1120.9	1121.0	1122.8	1123.3	1123.1	1122.6	1122.3	1122.2	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	158.4	657.3	909.3	106.0	176.1	234.0	302.1	247.6	675.1	675.1	675.1	844.2
1959	LEVEL - FT	1120.9	1120.3	1122.6	1123.7	1123.5	1123.2	1123.4	1123.5	1122.8	1122.1	1121.3	1120.8
	OUTFLOW - CFS	156.7	1596.6	1003.6	1492.1	462.3	177.5	302.1	236.0	1339.1	1339.1	1339.1	1046.4
1960	LEVEL - FT	1120.8	1121.4	1123.0	1123.5	1123.3	1122.9	1122.7	1122.4	1122.1	1121.6	1121.3	1120.8
	OUTFLOW - CFS	150.1	170.0	100.0	819.1	201.7	164.4	278.8	251.0	594.7	594.7	594.7	889.0
1961	LEVEL - FT	1120.9	1121.0	1123.2	1123.5	1123.4	1123.0	1122.3	1122.1	1121.6	1121.5	1121.3	1120.8
	OUTFLOW - CFS	130.2	170.0	100.0	950.2	182.7	177.7	287.1	239.4	416.6	416.6	416.6	935.4
1962	LEVEL - FT	1120.8	1120.2	1121.3	1122.2	1122.1	1121.9	1121.5	1121.6	1121.5	1121.4	1121.3	1121.2
	OUTFLOW - CFS	115.3	1570.1	100.0	100.0	201.7	169.2	263.9	202.9	155.1	166.7	162.5	138.4
1963	LEVEL - FT	1121.4	1121.5	1122.4	1122.8	1122.9	1122.7	1122.5	1122.1	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	141.8	170.0	100.0	100.0	104.8	217.4	288.8	244.3	544.6	544.6	544.6	739.8
1964	LEVEL - FT	1120.9	1120.9	1122.3	1123.6	1123.5	1123.5	1123.5	1123.6	1122.9	1121.9	1121.3	1120.8
	OUTFLOW - CFS	153.4	170.0	100.0	1493.7	707.3	232.8	250.0	226.1	1359.0	1359.0	1359.0	890.3
1965	LEVEL - FT	1120.8	1121.5	1123.2	1123.5	1123.4	1123.3	1123.1	1122.9	1122.4	1121.9	1121.3	1121.3
	OUTFLOW - CFS	166.6	180.2	530.6	1230.2	146.2	197.4	306.4	252.6	824.0	824.0	824.0	133.4
1966	LEVEL - FT	1121.3	1121.4	1122.4	1122.8	1122.7	1122.4	1122.1	1121.7	1121.6	1121.4	1121.3	1120.8
	OUTFLOW - CFS	145.1	170.0	100.0	144.2	185.1	210.8	277.2	251.0	373.0	373.0	373.0	796.2
1967	LEVEL - FT	1120.8	1120.8	1122.3	1123.5	1123.2	1122.6	1122.2	1122.0	1121.7	1121.6	1121.3	1120.8
	OUTFLOW - CFS	171.6	182.7	100.0	796.6	171.9	214.1	273.9	237.7	310.8	310.8	310.8	970.2
1968	LEVEL - FT	1121.0	1121.0	1122.9	1123.6	1123.5	1123.4	1123.3	1123.1	1122.5	1121.9	1121.3	1120.8
	OUTFLOW - CFS	131.8	171.1	290.5	1629.7	176.1	175.8	254.0	242.7	1003.1	1003.1	1003.1	748.1
1969	LEVEL - FT	1120.9	1120.9	1122.9	1123.5	1123.4	1123.0	1122.8	1122.7	1122.2	1121.8	1121.3	1121.4
	OUTFLOW - CFS	155.0	1585.0	1180.2	122.3	142.9	197.6	255.6	237.7	789.5	789.5	789.5	140.0
1970	LEVEL - FT	1121.5	1121.3	1122.1	1122.5	1122.1	1121.6	1121.2	1120.9	1120.8	1120.7	1120.6	1120.7
	OUTFLOW - CFS	63.9	170.0	100.0	100.0	253.1	230.7	255.6	226.1	159.4	128.5	135.9	148.3

OKANAGAN RIVER SYSTEM
****

2020 LEVEL OF DEVELOPMENT

MINIMUM FLOW REQUIREMENTS - CFS 100.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHING REQUIREMENTS - CFS	MAX	0.	0.	0.	0.	0.	0.	470.	470.	0.	0.	0.	0.
	MIN	170.	170.	0.	0.	0.	0.	250.	250.	170.	170.	170.	170.

CHANNEL CAPACITY - CFS

0.	OKANAGAN LAKE - NORTH OF PENTICTON
1680.	PENTICTON TO SKAHA LAKE DAM
2160.	SKAHA LAKE DAM TO VASEUX LAKE
2720.	VASEUX LAKE TO GAUGE NM-85 AT OLIVER

LAKE LEVEL ADJUSTED IN NOV-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

FULL DOWNSTREAM REQUIREMENTS AND MINIMUM FLOWS SATISFIED
NO IMPORTATION OF WATER FROM FRASER SYSTEM

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED
OPERATED FROM 1921-1970

(0 FT = 1119.8)

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-3.0 TO -2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.2
-2.5 TO -2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	0.0	0.7
-2.0 TO -1.5	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.5
-1.5 TO -1.0	2.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
-1.0 TO -0.5	0.0	1.6	2.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	1.0
-0.5 TO 0.0	5.0	8.0	0.0	2.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	1.6
0.0 TO 0.5	11.0	6.4	2.0	0.0	0.0	0.0	2.0	2.0	2.0	4.0	6.0	6.2	3.5
0.5 TO 1.0	26.2	21.8	4.0	0.0	2.0	4.0	4.0	2.2	6.2	6.2	4.2	5.8	7.2
1.0 TO 1.5	46.0	36.2	2.6	4.0	4.0	4.0	4.2	7.8	3.8	4.0	83.8	78.0	23.2
1.5 TO 2.0	7.8	19.8	2.2	2.0	2.0	6.2	4.2	6.4	15.8	51.6	2.0	6.6	10.5
2.0 TO 2.5	0.0	0.6	27.0	4.6	6.8	2.6	13.2	12.4	41.0	30.2	0.0	0.0	11.5
2.5 TO 3.0	0.0	1.6	26.6	10.2	8.4	19.4	30.6	39.8	23.2	0.0	0.0	0.0	13.3
3.0 TO 3.5	0.0	0.0	29.4	14.2	21.2	40.6	29.8	17.4	4.0	0.0	0.0	0.0	13.0
3.5 TO 4.0	0.0	0.0	3.2	58.4	53.0	21.2	10.0	8.0	0.0	0.0	0.0	0.0	12.8
4.0 TO 4.5	0.0	0.0	0.8	2.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
4.5 TO 5.0	0.0	0.0	0.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
5.0 TO 5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1121.4	1122.5	1124.4	1124.8	1124.2	1123.5	1123.6	1123.5	1122.9	1122.1	1121.3	1121.4	1124.8
MEAN	1120.6	1120.7	1122.4	1123.0	1122.9	1122.7	1122.4	1122.2	1121.8	1121.4	1121.0	1120.7	1121.8
MIN	1117.4	1117.9	1119.3	1119.3	1119.2	1118.6	1118.2	1117.8	1117.7	1117.6	1117.4	1117.2	1117.2
RANGE	4.0	4.6	5.1	5.4	5.0	4.9	5.4	5.7	5.2	4.5	3.9	4.2	7.6

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
100 TO 125	1.2	0.0	60.6	31.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9
125 TO 150	16.6	0.0	2.0	10.8	14.0	2.0	0.0	0.0	2.0	2.0	0.0	2.0	4.3
150 TO 175	50.4	66.2	0.2	0.6	24.8	16.0	0.0	0.0	14.4	8.0	12.0	30.0	14.9
175 TO 200	12.2	5.4	1.0	2.4	10.6	26.0	0.0	2.0	2.2	8.6	6.6	4.0	6.7
200 TO 250	0.8	0.8	1.0	0.8	17.4	30.0	0.0	20.0	4.0	4.0	4.0	0.0	6.9
250 TO 300	0.4	0.4	1.8	3.0	6.2	19.8	78.0	76.0	1.8	1.8	1.8	0.0	15.9
300 TO 500	1.4	1.2	3.8	3.6	6.8	4.0	22.0	2.0	15.2	15.2	15.2	0.0	7.5
500 TO 1000	3.4	5.8	10.0	16.2	9.0	0.2	0.0	0.0	52.4	52.4	52.4	60.0	21.8
1000 TO 1500	2.8	7.0	19.0	22.4	8.2	2.0	0.0	0.0	8.0	8.0	8.0	4.0	7.4
1500 TO 2000	7.2	13.2	0.6	8.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1680.0	1680.0	1519.0	1680.0	1680.0	1483.2	312.7	313.6	1254.3	1254.3	1254.3	1183.2	1680.0
MEAN	319.7	475.2	419.5	621.8	346.6	234.3	285.4	257.4	591.5	592.0	591.7	595.1	444.2
MIN	50.4	170.0	100.0	100.0	100.0	149.7	250.0	199.3	142.8	145.4	151.6	146.3	50.4
RANGE	1629.6	1510.0	1419.0	1580.0	1580.0	1333.6	62.7	114.4	1111.4	1108.9	1102.7	1036.9	1629.6

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	0.0	0.0	6.0	27.0	48.8	50.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6
125 TO 150	0.0	0.0	6.0	4.2	10.2	20.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
150 TO 175	82.8	9.2	12.0	5.0	8.2	15.8	0.0	0.0	18.4	18.4	18.4	36.0	18.2
175 TO 200	0.8	34.6	4.0	6.4	5.4	6.0	0.0	0.0	0.2	0.2	0.0	0.0	4.7
200 TO 250	0.4	26.0	19.8	2.2	1.4	2.0	22.0	32.0	4.0	2.0	2.2	0.0	9.2
250 TO 300	0.8	7.2	13.6	1.2	1.2	2.0	76.0	68.0	1.8	3.8	3.8	0.0	14.9
300 TO 500	1.8	1.8	11.0	6.4	4.8	2.0	2.0	0.0	17.2	15.2	17.2	0.0	5.6
500 TO 1000	3.0	5.4	9.8	13.8	12.6	0.2	0.0	0.0	48.4	52.4	48.4	56.0	20.9
1000 TO 1500	3.2	4.6	7.8	17.4	6.4	2.0	0.0	0.0	10.0	8.0	10.0	8.0	6.4
1500 TO 2000	7.2	16.2	16.0	16.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1686.6	1705.1	1713.2	1695.5	1677.6	1480.0	337.6	250.0	1269.8	1279.4	1273.5	1200.3	1713.2
MEAN	333.8	526.4	590.8	687.6	299.1	155.0	255.0	250.0	598.1	597.9	600.8	608.1	458.5
MIN	170.0	171.9	114.9	100.0	100.0	100.0	250.0	250.0	170.0	170.0	170.0	170.0	100.0
RANGE	1516.6	1533.2	1598.2	1595.5	1577.6	1380.0	87.6	0.0	1099.8	1109.4	1103.5	1030.3	1613.2

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 2020 LEVEL OF DEVELOPMENT

YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.7	1120.8	1123.0	1123.5	1123.4	1123.1	1122.6	1122.3	1122.0	1121.6	1121.3	1120.9
	OUTFLOW - CFS	168.0	170.0	100.0	1586.0	165.2	241.1	298.4	255.6	538.2	538.2	538.2	586.9
1922	LEVEL - FT	1120.8	1120.8	1122.4	1123.5	1123.2	1122.9	1122.7	1122.5	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	161.4	170.0	100.0	291.7	214.0	226.2	274.5	247.3	570.8	570.8	570.8	652.8
1923	LEVEL - FT	1121.[illegible]	1120.8	1122.5	1123.5	1123.5	1123.2	1122.8	1122.5	1122.1	1121.9	1121.[illegible]	1121.4
	OUTFLOW - CFS	143.2	906.7	100.0	1434.5	257.5	214.6	295.0	254.0	468.9	468.9	466.9	153.[illegible]
1924	LEVEL - FT	1121.4	1121.3	1122.4	1122.5	1122.1	1121.7	1121.2	1120.9	1120.9	1120.8	1120.8	1120.6
	OUTFLOW - CFS	156.4	170.0	100.0	126.6	248.8	254.3	301.7	250.7	166.0	168.6	161.5	153.6
1925	LEVEL - FT	1120.7	1121.1	1122.9	1123.4	1123.0	1122.5	1121.9	1121.6	1121.3	1121.2	1121.3	1121.1
	OUTFLOW - CFS	166.4	170.0	123.2	100.0	228.9	294.1	305.0	257.3	243.0	243.0	243.0	174.5
1926	LEVEL - FT	1121.1	1121.5	1122.2	1121.9	1121.5	1121.0	1120.6	1120.4	1120.3	1120.1	1120.1	1119.9
	OUTFLOW - CFS	159.8	170.0	100.0	177.8	225.6	275.9	298.4	249.0	166.0	176.9	163.2	176.2
1927	LEVEL - FT	1119.7	1119.7	1120.7	1122.0	1121.9	1121.7	1122.0	1122.5	1122.1	1121.8	1121.3	1120.[illegible]
	OUTFLOW - CFS	170.0	170.0	100.0	100.0	168.6	207.9	250.0	313.6	882.2	882.2	882.2	620.[illegible]
1928	LEVEL - FT	1120.3	1120.9	1124.4	1124.8	1124.2	1123.5	1123.1	1122.8	1122.6	1121.8	1121.3	1121.[illegible]
	OUTFLOW - CFS	1105.9	170.0	1303.5	1597.9	1680.0	608.5	290.1	257.3	721.8	721.8	721.8	172.[illegible]
1929	LEVEL - FT	1121.1	1121.0	1121.1	1121.6	1121.2	1121.2	1121.3	1121.0	1120.7	1120.4	1120.3	1120.2
	OUTFLOW - CFS	159.1	170.0	100.0	100.1	243.8	164.6	250.0	255.6	166.0	176.9	176.4	144.2
1930	LEVEL - FT	1120.1	1120.4	1120.6	1121.0	1120.7	1120.4	1120.1	1119.6	1119.5	1119.1	1119.0	1119.[illegible]
	OUTFLOW - CFS	166.4	170.0	100.0	113.4	252.1	214.6	285.1	265.6	171.0	176.9	171.5	177.8
1931	LEVEL - FT	1118.8	1118.7	1119.3	1119.3	1119.2	1118.6	1118.2	1117.8	1117.7	1117.6	1117.4	1117.2
	OUTFLOW - CFS	164.7	170.0	100.0	139.9	175.8	292.5	291.7	263.9	166.0	170.2	176.4	172.8
1932	LEVEL - FT	1117.4	1117.9	1119.9	1121.0	1120.8	1120.7	1120.4	1120.0	1120.2	1120.0	1119.9	1119.9
	OUTFLOW - CFS	139.9	170.0	100.0	100.0	195.7	188.0	285.1	249.0	142.8	175.2	169.8	164.6
1933	LEVEL - FT	1119.9	1120.0	1122.0	1123.5	1123.5	1123.2	1123.1	1123.2	1122.4	1121.9	1121.3	1120.8
	OUTFLOW - CFS	164.7	229.6	100.0	600.5	386.8	224.5	267.9	222.5	1243.2	1243.2	1243.2	828.5
1934	LEVEL - FT	1121.1	1122.5	1123.3	1123.4	1123.2	1123.0	1122.8	1122.5	1122.2	1121.7	1121.3	1120.8
	OUTFLOW - CFS	131.6	1491.3	845.4	134.9	179.1	194.7	283.4	252.3	807.6	807.6	807.6	913.1
1935	LEVEL - FT	1121.[illegible]	1122.1	1122.2	1123.5	1123.5	1123.5	1123.3	1123.0	1122.3	1121.7	1121.3	1120.8
	OUTFLOW - CFS	134.9	1648.6	100.0	213.8	1465.8	309.7	276.2	257.3	956.2	956.2	956.2	598.2
1936	LEVEL - FT	1120.8	1121.6	1123.3	1123.5	1123.5	1123.2	1122.8	1122.5	1121.9	1121.7	1121.3	1120.8
	OUTFLOW - CFS	161.4	170.0	609.0	1065.1	160.3	227.8	286.8	255.6	457.5	457.5	457.5	924.7
1937	LEVEL - FT	1120.3	1120.9	1122.6	1123.5	1123.5	1123.1	1122.8	1122.6	1122.3	1121.8	1121.3	1120.8
	OUTFLOW - CFS	158.1	170.0	100.0	1142.0	161.9	256.0	281.8	247.3	754.8	754.8	754.8	825.8
1938	LEVEL - FT	1120.9	1121.1	1123.1	1123.5	1123.3	1122.9	1122.7	1122.3	1121.8	1121.5	1121.3	1121.1
	OUTFLOW - CFS	153.1	526.6	100.0	261.1	187.4	251.0	276.2	257.3	480.3	480.3	480.3	172.8
1939	LEVEL - FT	1121.1	1121.4	1122.5	1123.1	1122.9	1122.3	1122.0	1121.6	1121.4	1121.4	1121.3	1121.1
	OUTFLOW - CFS	159.3	170.9	100.0	100.1	182.5	277.6	288.4	263.9	171.0	158.6	178.1	169.5
1940	LEVEL - FT	1121.3	1121.6	1122.8	1122.9	1122.5	1121.9	1121.6	1121.3	1121.1	1120.9	1120.9	1120.8
	OUTFLOW - CFS	144.8	170.9	100.0	133.3	225.6	289.2	281.8	257.3	176.0	170.2	158.2	167.9
1941	LEVEL - FT	1120.9	1121.5	1122.2	1122.8	1122.7	1122.5	1122.5	1122.7	1122.3	1122.0	1121.3	1120.8
	OUTFLOW - CFS	153.1	170.0	100.0	100.0	158.6	209.6	254.7	210.9	842.1	842.1	842.1	870.0
1942	LEVEL - FT	1120.7	1121.4	1122.8	1123.5	1123.5	1123.2	1122.7	1122.3	1121.9	1121.7	1121.3	1120.[illegible]
	OUTFLOW - CFS	169.7	170.0	1366.7	1550.7	759.7	226.2	291.7	265.6	500.3	500.3	500.3	865.0
1943	LEVEL - FT	1120.7	1121.1	1122.1	1123.1	1123.1	1122.7	1122.2	1122.0	1121.7	1121.5	1121.3	1121.3
	OUTFLOW - CFS	171.4	170.0	100.0	100.0	143.7	232.8	293.4	263.9	213.6	213.6	213.6	164.6
1944	LEVEL - FT	1121.1	1121.2	1122.2	1123.2	1123.0	1122.8	1122.6	1122.4	1122.1	1121.6	1121.3	1120.8
	OUTFLOW - CFS	176.3	170.0	100.0	100.0	167.5	179.5	287.8	259.0	647.4	647.4	647.4	901.8
1945	LEVEL - FT	1120.7	1120.7	1122.7	1123.5	1123.4	1123.0	1122.7	1122.6	1122.1	1121.7	1121.3	1120.8
	OUTFLOW - CFS	184.5	170.0	1158.6	951.7	140.4	184.5	286.1	255.6	764.5	764.5	764.5	780.8
1946	LEVEL - FT	1120.9	1120.6	1123.4	1124.0	1123.5	1123.3	1122.9	1122.5	1122.2	1121.7	1121.3	1121.[illegible]
	OUTFLOW - CFS	154.9	1580.6	1378.1	1541.5	817.5	179.8	256.9	239.1	564.6	564.6	564.6	156.3
1947	LEVEL - FT	1121.4	1121.6	1122.4	1122.9	1122.7	1122.4	1122.1	1122.0	1121.8	1121.5	1121.3	1120.[illegible]
	OUTFLOW - CFS	156.4	170.0	100.0	110.1	148.7	207.9	301.1	272.2	357.3	357.3	357.3	726.4
1948	LEVEL - FT	1119.6	1118.9	1122.0	1123.5	1123.5	1123.5	1123.5	1123.4	1122.7	1122.1	1121.3	1120.8
	OUTFLOW - CFS	1678.1	1625.4	1273.7	1105.5	570.8	1044.0	250.0	273.9	941.2	941.2	941.2	963.1
1949	LEVEL - FT	1121.0	1121.9	1123.7	1123.5	1123.5	1123.4	1123.1	1122.7	1122.2	1122.0	1121.3	1120.[illegible]
	OUTFLOW - CFS	90.4	170.0	1519.0	991.1	237.9	181.2	294.4	272.2	743.2	743.2	743.2	820.2
1950	LEVEL - FT	1120.4	1119.5	1121.5	1123.5	1123.5	1123.5	1123.0	1122.9	1122.4	1122.0	1121.3	1120.[illegible]
	OUTFLOW - CFS	901.1	1637.0	109.0	564.8	222.7	162.9	297.7	263.9	820.5	820.5	820.5	1143.2
1951	LEVEL - FT	1119.9	1119.7	1122.5	1123.5	1123.5	1123.2	1122.9	1122.9	1122.3	1121.9	1121.3	1120.8
	OUTFLOW - CFS	1636.6	1575.6	1271.9	296.4	465.0	176.2	302.7	244.0	778.5	778.5	778.5	987.6
1952	LEVEL - FT	1120.8	1121.4	1123.4	1123.6	1123.5	1123.2	1122.9	1122.6	1122.0	1121.5	1121.3	1120.[illegible]
	OUTFLOW - CFS	164.7	705.1	1306.8	1097.1	349.0	164.6	269.6	199.3	651.5	651.5	651.5	844.7
1953	LEVEL - FT	1120.7	1120.8	1122.3	1123.5	1123.5	1123.5	1123.1	1122.9	1122.4	1121.9	1121.3	1120.6
	OUTFLOW - CFS	141.5	170.0	100.0	334.7	232.6	216.9	296.1	232.4	857.9	857.9	857.9	865.0
1954	LEVEL - FT	1120.8	1120.5	1122.4	1123.5	1123.5	1123.5	1123.6	1123.4	1122.9	1122.1	1121.3	1120.[illegible]
	OUTFLOW - CFS	181.3	428.2	951.9	873.9	1046.5	374.4	307.7	268.9	1228.7	1228.7	1228.7	867.3
1955	LEVEL - FT	1120.8	1119.8	1120.9	1123.2	1123.5	1123.3	1123.0	1122.8	1122.2	1121.8	1121.3	1120.8
	OUTFLOW - CFS	179.6	1680.0	100.0	100.0	698.2	219.3	309.4	273.9	892.3	892.3	892.3	696.3
1956	LEVEL - FT	1121.[illegible]	1120.8	1122.9	1123.5	1123.5	1123.3	1123.0	1122.7	1122.2	1121.8	1121.3	1120.[illegible]
	OUTFLOW - CFS	184.6	1503.5	1437.6	1306.6	279.0	219.3	309.4	265.6	694.7	694.7	694.7	876.6
1957	LEVEL - FT	1120.[illegible]	1121.0	1123.2	1123.5	1123.4	1123.4	1123.2	1123.0	1122.3	1121.7	1121.[illegible]	1120.[illegible]
	OUTFLOW - CFS	173.[illegible]	170.0	1429.5	536.7	169.3	195.4	312.7	262.3	909.0	909.0	909.0	1031.1

RUN 4 - 2020 DEV. (FIRST ECONOMIC PROJECTION) . . . Continued

1958	LEVEL - FT	1120.9	1120.9	1122.8	1123.3	1123.2	1122.7	1122.4	1122.3	1121.8	1121.6	1121.3	1120.9
	OUTFLOW - CFS	173.0	559.5	932.0	100.0	163.6	201.3	309.4	272.2	639.4	639.4	639.4	795.7
1959	LEVEL - FT	1120.9	1120.2	1122.5	1123.7	1123.5	1123.2	1123.4	1123.5	1122.8	1122.1	1121.3	1120.8
	OUTFLOW - CFS	171.4	1612.1	912.8	1478.5	583.0	166.2	309.4	260.6	1254.3	1254.3	1254.3	997.9
1960	LEVEL - FT	1120.8	1121.3	1123.0	1123.5	1123.3	1123.0	1122.8	1122.4	1122.1	1121.7	1121.3	1120.9
	OUTFLOW - CFS	164.7	170.0	100.0	790.5	169.2	149.7	286.1	275.5	542.2	542.2	542.2	840.5
1961	LEVEL - FT	1120.8	1120.9	1123.2	1123.5	1123.4	1123.1	1122.4	1122.1	1121.6	1121.5	1121.3	1120.8
	OUTFLOW - CFS	144.8	170.0	100.0	921.7	170.2	166.2	294.4	263.9	356.3	356.3	356.3	885.9
1962	LEVEL - FT	1120.8	1120.1	1121.2	1122.2	1122.1	1122.0	1121.6	1121.5	1121.4	1121.3	1121.1	1121.0
	OUTFLOW - CFS	129.9	1585.6	100.0	100.0	169.2	158.0	271.2	227.5	156.1	183.5	178.1	151.3
1963	LEVEL - FT	1121.1	1121.2	1122.2	1122.5	1122.7	1122.5	1122.3	1121.9	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	156.4	170.0	100.0	100.0	100.0	199.4	296.1	268.9	374.7	374.7	374.7	690.9
1964	LEVEL - FT	1120.8	1120.8	1122.2	1123.6	1123.5	1123.5	1123.5	1123.5	1122.8	1121.9	1121.3	1120.8
	OUTFLOW - CFS	168.9	170.0	100.0	1480.2	752.7	288.2	253.0	250.7	1253.5	1253.5	1253.5	842.1
1965	LEVEL - FT	1120.8	1121.4	1123.2	1123.5	1123.5	1123.4	1123.2	1122.9	1122.4	1121.9	1121.3	1121.2
	OUTFLOW - CFS	181.3	170.0	465.7	1276.6	133.8	186.1	309.7	277.2	764.9	764.9	764.9	146.3
1966	LEVEL - FT	1121.2	1121.3	1122.3	1122.7	1122.7	1122.4	1122.2	1121.7	1121.5	1121.4	1121.3	1120.8
	OUTFLOW - CFS	159.8	170.0	100.0	126.6	152.6	178.1	284.5	275.5	302.2	302.2	302.2	747.6
1967	LEVEL - FT	1120.7	1120.7	1122.2	1123.5	1123.3	1122.8	1122.4	1122.0	1121.7	1121.6	1121.3	1120.8
	OUTFLOW - CFS	186.3	198.2	100.0	752.3	143.7	181.4	281.2	262.3	262.9	262.9	262.9	921.7
1968	LEVEL - FT	1120.9	1120.9	1122.8	1123.6	1123.5	1123.5	1123.3	1123.0	1122.4	1121.9	1121.3	1120.9
	OUTFLOW - CFS	146.5	186.6	199.7	1616.1	296.5	164.6	261.3	267.2	918.3	918.3	918.3	699.6
1969	LEVEL - FT	1120.9	1120.8	1122.9	1123.5	1123.4	1123.1	1122.9	1122.7	1122.2	1121.8	1121.3	1121.3
	OUTFLOW - CFS	169.7	1600.5	1089.4	168.7	130.4	164.8	262.9	262.3	736.3	736.3	736.3	153.0
1970	LEVEL - FT	1121.4	1121.2	1122.0	1122.4	1122.1	1121.6	1121.2	1120.9	1120.7	1120.5	1120.4	1120.5
	OUTFLOW - CFS	78.5	170.0	100.0	100.0	220.6	198.0	262.9	250.7	174.3	145.4	151.6	161.2

OKANAGAN RIVER SYSTEM
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1970 LEVEL OF DEVELOPMENT

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MINIMUM FLOW REQUIREMENTS - CFS 300.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHERY REQUIREMENTS - CFS	MAX	0.	0.	0.	0.	0.	0.	470.	470.	0.	0.	0.	0.
	MIN	170.	170.	0.	0.	0.	0.	250.	250.	170.	170.	170.	170.

CHANNEL CAPACITY - CFS

0.	OKANAGAN LAKE - NORTH OF PENTICTON
1680.	PENTICTON TO SKAHA LAKE DAM
2160.	SKAHA LAKE DAM TO VASEUX LAKE
2720.	VASEUX LAKE TO GAUGE NM-85 AT OLIVER

LAKE LEVEL ADJUSTED IN NOV-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

RUN # 30 FULL DOWNSTREAM REQUIREMENTS AND MINIMUM FLOWS SATISFIED
600 CFS (MAXIMUM) IMPORTED FROM SHUSWAP IN MAY, JUNE, JULY, OCT, NOV, MARCH AND APRIL WHEN REQUIRED
DIVERSION INITIATED ON 8 OCCASIONS

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED
OPERATED FROM 1921-1970

(0 FT = 1119.8)

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-3.0 TO -2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.5 TO -2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.0 TO -1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.5 TO -1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.0 TO -0.5	0.0	1.6	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.4	0.2
-0.5 TO 0.0	3.4	5.2	0.0	0.0	0.0	0.2	0.2	1.0	0.4	0.4	2.0	2.4	1.3
0.0 TO 0.5	14.0	7.6	0.0	0.2	0.0	1.0	3.0	6.4	7.8	9.4	7.0	7.4	5.3
0.5 TO 1.0	23.4	27.4	1.0	0.2	0.4	3.8	7.2	4.0	5.0	1.6	4.2	4.2	6.9
1.0 TO 1.5	51.6	38.8	4.2	1.8	2.2	7.8	6.6	7.8	7.4	15.0	83.4	79.4	25.5
1.5 TO 2.0	7.6	17.2	10.2	3.0	9.0	14.6	11.6	15.8	28.6	53.2	3.2	6.2	15.0
2.0 TO 2.5	0.0	0.6	27.4	9.2	12.0	10.8	24.4	27.2	38.4	20.2	0.0	0.0	14.2
2.5 TO 3.0	0.0	1.6	24.0	16.4	14.8	23.6	28.4	25.8	8.6	0.0	0.0	0.0	11.9
3.0 TO 3.5	0.0	0.0	29.2	13.4	32.8	30.2	12.6	5.2	3.6	0.0	0.0	0.0	10.6
3.5 TO 4.0	0.0	0.0	3.2	52.4	28.4	8.0	5.8	6.6	0.0	0.0	0.0	0.0	8.7
4.0 TO 4.5	0.0	0.0	0.6	2.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
4.5 TO 5.0	0.0	0.0	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
5.0 TO 5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1121.5	1122.6	1124.3	1124.6	1124.0	1123.5	1123.5	1123.5	1122.9	1122.1	1121.4	1121.4	1124.6
MEAN	1120.7	1120.8	1122.4	1123.0	1122.8	1122.3	1122.1	1121.9	1121.6	1121.4	1121.1	1120.7	1121.7
MIN	1119.4	1119.0	1120.5	1120.3	1120.4	1119.6	1119.2	1119.0	1119.2	1119.2	1119.0	1118.8	1118.8
RANGE	2.1	3.6	3.9	4.3	3.6	3.9	4.3	4.5	3.7	2.9	2.4	2.6	5.8

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PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
100 TO 125	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
125 TO 150	36.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.6	14.6	13.2	6.0
150 TO 175	37.8	0.0	0.0	0.0	0.0	0.0	0.0	2.0	26.0	20.4	12.4	19.4	9.8
175 TO 200	0.4	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.0	2.0	2.0	0.0	0.9
200 TO 250	0.6	0.0	0.0	0.0	0.0	0.0	0.0	86.0	2.4	2.4	2.4	0.2	7.8
250 TO 300	1.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	4.0	4.0	4.0	0.0	1.7
300 TO 500	2.0	72.8	71.2	59.2	83.0	88.0	100.0	0.0	16.0	16.0	16.0	2.2	43.9
500 TO 1000	3.2	5.8	9.0	13.4	10.6	11.8	0.0	0.0	36.0	36.0	36.0	55.0	18.1
1000 TO 1500	3.2	6.8	19.2	19.6	5.8	0.2	0.0	0.0	12.6	12.6	12.6	10.0	8.5
1500 TO 2000	7.4	14.6	0.6	7.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1680.0	1669.5	1521.0	1680.0	1680.0	1240.8	356.4	289.1	1301.6	1301.6	1301.6	1232.1	1680.0
MEAN	314.8	583.7	545.4	675.7	484.6	440.6	328.9	232.8	524.7	524.1	523.1	629.9	484.0
MIN	35.7	300.0	300.0	300.0	300.0	364.4	300.0	174.7	127.9	128.5	127.7	133.4	35.7
RANGE	1644.3	1369.5	1221.0	1380.0	1380.0	876.4	56.4	114.4	1173.7	1173.1	1173.9	1098.7	1644.3

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125 TO 150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150 TO 175	82.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.8	25.0	24.8	32.6	15.9
175 TO 200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.0	0.6	0.0	0.3
200 TO 250	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	4.0	5.6	0.2	1.2
250 TO 300	1.0	0.0	0.0	24.8	33.8	34.0	34.0	100.0	2.4	2.4	2.6	0.0	19.6
300 TO 500	2.6	72.4	60.4	30.6	51.4	64.0	66.0	0.0	15.6	14.4	15.6	0.2	32.8
500 TO 1000	2.8	6.0	15.4	13.8	10.6	1.8	0.0	0.0	37.0	38.4	37.0	53.0	18.0
1000 TO 1500	3.6	4.6	8.6	18.2	3.6	0.2	0.0	0.0	13.8	13.8	13.8	14.0	7.8
1500 TO 2000	7.4	17.0	15.6	12.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1687.8	1706.5	1711.5	1691.5	1666.9	1226.3	394.4	250.0	1326.2	1313.2	1333.0	1262.1	1711.5
MEAN	343.6	651.8	713.1	724.0	424.6	350.1	305.3	250.0	546.2	546.8	547.8	655.9	504.9
MIN	170.0	303.3	313.3	300.0	300.0	300.0	300.0	250.0	170.0	170.0	170.0	170.0	170.0
RANGE	1517.8	1403.2	1398.2	1391.5	1366.9	926.3	94.4	0.0	1156.2	1143.2	1163.0	1092.1	1541.5

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 1970 LEVEL OF DEVELOPMENT
****

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YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.8	1120.8	1122.9	1123.5	1123.2	1122.6	1122.2	1122.0	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	153.4	300.0	300.0	1285.0	396.7	473.8	341.6	231.1	435.1	435.1	435.1	635.0
	DIVERSION CFS												
1922	LEVEL - FT	1120.9	1120.8	1122.2	1123.3	1122.7	1122.2	1122.1	1121.9	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	146.7	300.0	300.0	300.0	446.4	458.9	317.2	222.8	364.3	364.3	364.3	708.3
	DIVERSION CFS												
1923	LEVEL - FT	1121.0	1120.8	1122.4	1123.5	1123.4	1122.9	1122.5	1122.3	1121.9	1121.8	1121.3	1121.4
	OUTFLOW - CFS	128.5	1004.5	300.0	1165.6	362.8	447.3	338.2	229.4	407.6	407.6	407.6	140.0
	DIVERSION CFS												
1924	LEVEL - FT	1121.5	1121.3	1122.8	1123.1	1122.4	1121.8	1121.3	1121.1	1121.1	1121.1	1121.1	1120.8
	OUTFLOW - CFS	141.8	300.0	300.0	354.2	481.3	487.1	344.9	226.1	151.1	151.7	145.9	621.7
	DIVERSION CFS			600.0	600.0								
1925	LEVEL - FT	1120.8	1121.2	1122.8	1123.1	1122.5	1121.7	1121.2	1121.0	1120.7	1120.8	1121.0	1120.8
	OUTFLOW - CFS	151.7	300.0	325.0	314.4	461.4	526.8	348.2	232.7	166.0	145.1	135.9	161.6
	DIVERSION CFS												
1926	LEVEL - FT	1120.9	1121.2	1121.7	1121.2	1121.1	1120.4	1119.9	1120.2	1120.6	1120.5	1120.5	1120.3
	OUTFLOW - CFS	145.1	300.0	300.0	416.1	458.0	508.6	341.6	224.4	151.1	160.0	147.5	163.2
	DIVERSION CFS					600.0	0.0	0.0	600.0	600.0	0.0	0.0	0.0
1927	LEVEL - FT	1120.3	1120.4	1121.3	1122.4	1122.0	1121.6	1121.9	1122.5	1122.1	1121.8	1121.3	1120.8
	OUTFLOW - CFS	163.3	300.0	300.0	300.0	400.0	440.6	300.0	289.1	941.4	941.4	941.4	859.1
	DIVERSION CFS	110.0	247.0										
1928	LEVEL - FT	1120.3	1120.9	1124.3	1124.6	1124.0	1123.4	1123.0	1122.7	1122.6	1121.8	1121.3	1121.1
	OUTFLOW - CFS	1170.6	300.0	1305.5	1611.4	1680.0	487.1	333.3	232.7	748.1	748.1	748.1	159.9
	DIVERSION CFS												
1929	LEVEL - FT	1121.2	1121.0	1121.0	1121.3	1121.1	1120.8	1121.0	1120.7	1120.5	1120.3	1120.2	1120.1
	OUTFLOW - CFS	143.4	300.0	300.0	317.7	476.3	389.3	300.0	231.1	151.1	160.0	160.8	153.3
	DIVERSION CFS					600.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1930	LEVEL - FT	1120.1	1120.8	1121.3	1121.9	1121.8	1121.3	1120.9	1120.6	1120.6	1120.3	1120.2	1120.1
	OUTFLOW - CFS	151.7	300.0	300.0	331.0	484.6	447.3	328.3	241.0	156.1	160.0	155.8	164.9
	DIVERSION CFS	0.0	600.0	600.0	600.0	600.0	0.0	0.0	0.0	106.0	0.0	0.0	0.0
1931	LEVEL - FT	1120.2	1120.5	1121.3	1121.6	1121.7	1120.9	1120.5	1120.3	1120.5	1120.5	1120.3	1120.1
	OUTFLOW - CFS	150.1	300.0	300.0	357.5	468.3	525.2	334.9	239.4	151.1	153.4	160.8	159.9
	DIVERSION CFS	208.0	557.0	600.0	600.0	600.0	0.0	0.0	191.0	379.0	0.0	0.0	0.0
1932	LEVEL - FT	1120.7	1121.1	1123.0	1123.5	1123.1	1122.7	1122.4	1122.2	1122.0	1121.6	1121.3	1120.8
	OUTFLOW - CFS	125.2	300.0	300.0	890.6	428.2	420.8	328.3	224.4	576.5	576.5	576.5	794.8
	DIVERSION CFS	401.0											
1933	LEVEL - FT	1120.9	1120.1	1121.9	1123.5	1123.5	1123.0	1122.9	1123.0	1122.3	1121.9	1121.3	1120.8
	OUTFLOW - CFS	150.1	1616.5	300.0	459.1	344.6	457.2	310.6	197.9	1231.3	1231.3	1231.3	877.0
	DIVERSION CFS												
1934	LEVEL - FT	1121.2	1122.6	1123.3	1123.2	1122.8	1122.4	1122.1	1121.9	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	116.9	1435.8	968.2	352.5	411.6	427.4	326.6	227.8	605.2	605.2	605.2	961.9
	DIVERSION CFS												

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1935	LEVEL - FT	1121.1	1120.2	1122.1	1123.3	1123.5	1123.4	1123.2	1123.0	1122.3	1121.7	1121.3	1120.8
	OUTFLOW - CFS	125.2	1633.1	300.0	300.0	1162.8	365.9	318.9	232.7	1009.2	1009.2	1009.2	633.7
	DIVERSION CFS												
1936	LEVEL - FT	1120.9	1121.6	1123.3	1123.5	1123.3	1122.8	1122.4	1122.2	1121.7	1121.6	1121.3	1120.8
	OUTFLOW - CFS	146.7	300.0	554.3	1018.7	372.8	460.5	330.0	231.1	360.7	360.7	360.7	973.2
	DIVERSION CFS												
1937	LEVEL - FT	1120.9	1120.9	1122.4	1123.5	1123.3	1122.7	1122.4	1122.2	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	143.4	300.0	300.0	840.4	376.8	488.7	325.0	222.8	657.0	657.0	657.0	874.1
	DIVERSION CFS												
1938	LEVEL - FT	1120.9	1121.1	1122.9	1123.3	1122.8	1122.2	1122.0	1121.7	1121.4	1121.3	1121.3	1121.1
	OUTFLOW - CFS	138.5	624.4	300.0	311.1	419.9	483.7	318.9	232.7	270.7	270.7	270.7	159.9
	DIVERSION CFS												
1939	LEVEL - FT	1121.2	1121.4	1122.4	1122.7	1122.3	1121.6	1121.2	1120.9	1120.8	1120.9	1120.8	1120.7
	OUTFLOW - CFS	145.1	300.0	300.0	317.7	414.9	510.3	331.6	239.4	156.1	141.8	162.5	156.6
	DIVERSION CFS												
1940	LEVEL - FT	1120.9	1121.2	1122.1	1122.0	1121.4	1120.6	1120.3	1120.1	1119.9	1119.8	1119.9	1119.8
	OUTFLOW - CFS	130.2	300.0	300.0	350.9	458.0	521.9	325.0	232.7	161.0	153.4	142.6	154.9
	DIVERSION CFS												
1941	LEVEL - FT	1119.9	1120.5	1121.5	1122.3	1122.5	1122.0	1122.1	1122.3	1122.1	1121.8	1121.3	1120.8
	OUTFLOW - CFS	138.5	300.0	300.0	309.4	371.1	442.3	300.0	186.3	714.4	714.4	714.4	918.8
	DIVERSION CFS			600.0	600.0	600.0	0.0						
1942	LEVEL - FT	1120.7	1121.4	1122.8	1123.5	1123.5	1123.0	1122.5	1122.2	1121.8	1121.7	1121.3	1120.8
	OUTFLOW - CFS	155.0	300.0	1312.0	1504.3	699.0	458.9	334.9	241.0	494.5	494.5	494.5	913.8
	DIVERSION CFS												
1943	LEVEL - FT	1120.7	1121.1	1122.4	1123.6	1123.4	1122.8	1122.3	1122.2	1121.8	1121.5	1121.3	1121.4
	OUTFLOW - CFS	156.7	300.0	300.0	300.0	365.2	465.5	336.6	239.4	346.7	346.7	346.7	151.6
	DIVERSION CFS			600.0	600.0								
1944	LEVEL - FT	1121.2	1121.2	1122.0	1122.9	1122.5	1122.1	1121.8	1121.8	1121.6	1121.4	1121.3	1120.8
	OUTFLOW - CFS	161.7	300.0	300.0	300.0	400.0	390.7	330.5	234.4	404.4	404.4	404.4	950.3
	DIVERSION CFS												
1945	LEVEL - FT	1120.7	1120.7	1122.7	1123.5	1123.2	1122.6	1122.3	1122.3	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	249.6	300.0	1024.2	905.3	352.9	395.7	328.8	231.1	674.8	674.8	674.8	829.3
	DIVERSION CFS												
1946	LEVEL - FT	1120.9	1120.7	1123.4	1124.0	1123.5	1123.1	1122.7	1122.4	1122.1	1121.7	1121.3	1121.3
	OUTFLOW - CFS	140.1	1565.1	1380.1	1555.1	785.7	412.5	300.1	214.5	558.6	558.6	558.6	143.3
	DIVERSION CFS												
1947	LEVEL - FT	1121.5	1121.7	1122.3	1122.5	1122.2	1121.6	1121.4	1121.3	1121.3	1121.2	1121.2	1120.8
	OUTFLOW - CFS	141.8	300.0	300.0	327.7	361.1	440.6	343.8	247.6	154.4	165.0	142.6	636.3
	DIVERSION CFS												
1948	LEVEL - FT	1119.7	1119.0	1122.1	1123.5	1123.5	1123.5	1123.4	1123.5	1122.7	1122.1	1121.3	1120.8
	OUTFLOW - CFS	1664.5	1609.8	1275.7	1146.3	510.0	988.6	300.0	249.3	1029.2	1029.2	1029.2	1011.6

	DIVERSION CFS												
1949	LEVEL - FT	1121.1	1121.9	1123.6	1123.5	1123.4	1123.1	1122.8	1122.5	1122.1	1121.9	1121.3	1120.8
	OUTFLOW - CFS	35.7	300.0	1521.0	887.4	356.2	392.4	337.1	247.6	685.0	685.0	685.0	869.1
	DIVERSION CFS												
1950	LEVEL - FT	1120.4	1119.5	1121.4	1123.5	1123.4	1123.2	1122.7	1122.6	1122.2	1121.9	1121.3	1120.8
	OUTFLOW - CFS	966.2-	1621.5	300.0	329.0	346.2	374.2	340.4	239.4	760.6	760.6	760.6	1231.7
	DIVERSION CFS												
1951	LEVEL - FT	1119.9	1119.8	1122.6	1123.5	1123.5	1122.9	1122.7	1122.7	1122.2	1121.9	1121.3	1120.8
	OUTFLOW - CFS	1623.1	1560.1	1317.1	300.0	407.6	387.4	345.4	219.5	757.1	757.1	757.1	1036.5
	DIVERSION CFS												
1952	LEVEL - FT	1120.9	1121.4	1123.4	1123.5	1123.5	1123.0	1122.7	1122.5	1121.9	1121.5	1121.3	1120.8
	OUTFLOW - CFS	150.1	802.9	1308.8	1026.1	300.0	375.8	312.3	174.7	649.0	649.0	649.0	897.3
	DIVERSION CFS												
1953	LEVEL - FT	1120.8	1120.8	1122.1	1123.3	1123.2	1123.0	1122.6	1122.4	1122.1	1121.7	1121.3	1120.8
	OUTFLOW - CFS	126.9	300.0	300.0	300.0	357.8	382.5	338.8	207.9	723.7	723.7	723.7	913.8
	DIVERSION CFS												
1954	LEVEL - FT	1120.8	1120.5	1122.4	1123.5	1123.5	1123.5	1123.5	1123.5	1122.9	1122.1	1121.3	1120.8
	OUTFLOW - CFS	166.6	526.0	929.2	827.5	985.7	370.9	350.4	244.3	1301.6	1301.6	1301.6	855.5
	DIVERSION CFS												
1955	LEVEL - FT	1120.9	1119.9	1120.8	1123.0	1123.4	1123.0	1122.7	1122.6	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	165.0	1669.5	300.0	300.0	420.8	430.5	352.1	249.3	845.6	845.6	845.6	744.4
	DIVERSION CFS												
1956	LEVEL - FT	1121.0	1120.8	1122.9	1123.5	1123.4	1123.0	1122.6	1122.5	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	170.0	1601.3	1414.9	1260.2	426.1	430.5	352.1	241.0	626.8	626.8	626.8	925.4
	DIVERSION CFS												
1957	LEVEL - FT	1120.9	1121.0	1123.2	1123.5	1123.2	1123.1	1122.8	1122.7	1122.1	1121.6	1121.3	1120.8
	OUTFLOW - CFS	158.4	300.0	1431.5	433.4	372.8	405.7	355.4	237.7	819.6	819.6	819.6	1079.6
	DIVERSION CFS												
1958	LEVEL - FT	1120.9	1121.0	1122.8	1123.1	1122.8	1122.2	1121.8	1121.7	1121.5	1121.4	1121.3	1120.8
	OUTFLOW - CFS	158.4	657.3	909.3	306.0	376.1	434.0	352.1	247.6	458.4	458.4	458.4	844.2
	DIVERSION CFS												
1959	LEVEL - FT	1120.9	1120.3	1122.6	1123.7	1123.5	1123.0	1123.2	1123.3	1122.7	1122.0	1121.3	1120.8
	OUTFLOW - CFS	156.7	1596.6	1003.6	1492.1	462.3	377.5	352.1	236.0	1255.7	1255.7	1255.7	1046.1
	DIVERSION CFS												
1960	LEVEL - FT	1120.8	1121.3	1122.8	1123.5	1123.1	1122.6	1122.4	1122.1	1121.9	1121.5	1121.3	1120.8
	OUTFLOW - CFS	150.1	300.0	300.0	489.2	401.7	364.4	328.8	251.0	444.8	444.8	444.8	889.0
	DIVERSION CFS												
1961	LEVEL - FT	1120.9	1120.9	1123.0	1123.5	1123.2	1122.7	1122.0	1121.7	1121.4	1121.4	1121.3	1120.8
	OUTFLOW - CFS	130.2	300.0	300.0	620.1	382.7	377.7	337.1	239.4	266.5	266.5	266.5	935.4
	DIVERSION CFS												
1962	LEVEL - FT	1120.8	1120.2	1121.2	1121.9	1121.7	1121.3	1120.9	1120.9	1120.9	1120.8	1120.7	1120.6
	OUTFLOW - CFS	115.3	1570.1	300.0	300.0	401.7	369.2	313.9	202.9	141.2	166.7	162.5	138.4
	DIVERSION CFS												
1963	LEVEL - FT	1120.8	1120.8	1122.0	1122.6	1122.6	1122.2	1122.0	1121.7	1121.5	1121.4	1121.3	1120.8
	OUTFLOW - CFS	141.8	300.0	300.0	300.0	304.8	417.4	338.8	244.3	339.4	339.4	339.4	739.8
	DIVERSION CFS			600.0	600.0								
1964	LEVEL - FT	1120.9	1120.8	1122.1	1123.5	1123.5	1123.4	1123.4	1123.5	1122.8	1121.9	1121.3	1120.8
	OUTFLOW - CFS	153.4	300.0	300.0	1311.3	559.7	367.5	300.0	226.1	1297.3	1297.3	1297.3	890.3
	DIVERSION CFS												
1965	LEVEL - FT	1120.8	1121.4	1123.2	1123.5	1123.3	1123.1	1122.8	1122.6	1122.2	1121.8	1121.3	1121.3
	OUTFLOW - CFS	166.6	300.0	411.0	1230.2	346.2	397.4	356.4	252.6	673.9	673.9	673.9	133.4
	DIVERSION CFS												
1966	LEVEL - FT	1121.3	1121.3	1122.2	1122.4	1122.2	1121.7	1121.4	1121.0	1121.0	1121.1	1121.1	1120.8
	OUTFLOW - CFS	145.1	300.0	300.0	344.2	385.1	410.8	327.2	251.0	151.1	150.1	140.9	493.9
	DIVERSION CFS												
1967	LEVEL - FT	1120.8	1120.7	1122.0	1123.5	1123.0	1122.3	1121.9	1121.7	1121.5	1121.5	1121.3	1120.8
	OUTFLOW - CFS	171.6	312.7	300.0	466.7	371.9	414.1	323.9	237.7	162.7	160.8	160.8	968.2
	DIVERSION CFS												
1968	LEVEL - FT	1121.0	1120.9	1122.8	1123.5	1123.3	1123.1	1122.9	1122.7	1122.2	1121.8	1121.3	1120.8
	OUTFLOW - CFS	131.8	301.1	300.0	1587.0	376.1	375.8	304.0	242.7	820.8	820.8	820.8	748.1
	DIVERSION CFS												
1969	LEVEL - FT	1120.9	1120.9	1122.9	1123.4	1123.1	1122.6	1122.4	1122.2	1121.9	1121.6	1121.3	1121.4
	OUTFLOW - CFS	155.0	1585.0	1180.2	300.0	342.9	397.6	305.6	237.7	580.3	580.3	580.3	140.0
	DIVERSION CFS												
1970	LEVEL - FT	1121.5	1121.2	1121.9	1122.1	1121.6	1120.9	1120.5	1120.2	1120.1	1120.0	1119.9	1120.0
	OUTFLOW - CFS	63.9	300.0	300.0	300.0	453.1	430.7	305.6	226.1	159.4	128.5	135.9	144.3
	DIVERSION CFS												

OKANAGAN RIVER SYSTEM
****

2020 LEVEL OF DEVELOPMENT

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MINIMUM FLOW REQUIREMENTS - CFS 300.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHERY REQUIREMENTS - CFS	MAX	0.	0.	0.	0.	0.	0.	470.	470.	0.	0.	0.	0.
	MIN	170.	170.	0.	0.	0.	0.	250.	250.	170.	170.	170.	170.

CHANNEL CAPACITY - CFS

0.	OKANAGAN LAKE - NORTH OF PENTICTON
1680.	PENTICTON TO SKAHA LAKE DAM
2160.	SKAHA LAKE DAM TO VASEUX LAKE
2720.	VASEUX LAKE TO GAUGE NM-85 AT OLIVER

LAKE LEVEL ADJUSTED IN NOV-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

RUN # 30 FULL DOWNSTREAM REQUIREMENTS AND MINIMUM FLOWS SATISFIED
600 CFS (MAXIMUM) IMPORTED FROM SHUSWAP IN MAY, JUNE, JULY, OCT, NOV, MARCH AND APRIL WHEN REQUIRED
DIVERSION INITIATED ON 8 OCCASIONS

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED
OPERATED FROM 1921-1970

(0 FT = 1119.8)

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-3.0 TO -2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.5 TO -2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.0 TO -1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.5 TO -1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.0 TO -0.5	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.3
-0.5 TO 0.0	5.0	7.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.6	3.8	2.6	1.9
0.0 TO 0.5	13.0	7.4	0.0	0.0	0.0	1.0	1.6	6.2	5.0	5.6	5.0	6.2	4.7
0.5 TO 1.0	34.0	32.2	0.8	1.0	0.0	2.2	7.0	4.4	7.0	6.2	6.0	8.2	9.1
1.0 TO 1.5	41.8	42.4	5.8	2.6	3.6	8.0	7.6	11.2	13.2	15.0	85.2	77.2	26.1
1.5 TO 2.0	6.2	7.2	11.6	2.2	6.0	13.6	12.4	12.4	23.8	53.0	0.0	4.2	12.7
2.0 TO 2.5	0.0	0.6	29.0	11.2	13.8	9.2	16.2	29.0	39.6	18.6	0.0	0.0	13.9
2.5 TO 3.0	0.0	1.6	25.8	15.4	14.0	24.0	32.8	24.0	8.4	0.0	0.0	0.0	12.7
3.0 TO 3.5	0.0	0.0	23.0	12.6	24.8	32.8	15.6	6.0	2.0	0.0	0.0	0.0	9.7
3.5 TO 4.0	0.0	0.0	3.2	51.2	37.4	9.2	5.8	5.8	0.0	0.0	0.0	0.0	9.4
4.0 TO 4.5	0.0	0.0	0.6	2.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
4.5 TO 5.0	0.0	0.0	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
5.0 TO 5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1121.4	1122.5	1124.3	1124.7	1124.1	1123.5	1123.5	1123.4	1122.9	1122.1	1121.3	1121.4	1124.7
MEAN	1120.7	1120.7	1122.3	1123.0	1122.8	1122.4	1122.1	1121.9	1121.6	1121.3	1121.0	1120.7	1121.7
MIN	1119.3	1118.9	1120.4	1120.7	1120.9	1120.1	1119.7	1119.5	1119.6	1119.5	1119.3	1119.1	1118.9
RANGE	2.1	3.6	3.9	3.9	3.2	3.4	3.8	3.9	3.2	2.6	2.0	2.3	5.7

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

486

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
100 TO 125	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
125 TO 150	16.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.0	3.8	2.0	2.1
150 TO 175	50.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.6	18.4	20.6	27.4	11.6
175 TO 200	12.2	0.0	0.0	0.0	0.0	0.0	0.0	2.0	8.6	11.0	7.0	5.2	3.8
200 TO 250	0.8	0.0	0.0	0.0	0.0	0.0	0.0	20.0	4.0	4.0	4.0	0.6	2.8
250 TO 300	0.8	0.0	0.0	0.0	0.0	0.0	0.0	76.0	1.4	1.4	1.4	0.2	6.8
300 TO 500	1.4	73.2	71.8	58.8	81.4	98.0	100.0	2.0	20.0	20.0	20.0	3.0	45.8
500 TO 1000	3.2	6.0	9.4	12.6	10.0	0.0	0.0	0.0	35.4	35.4	35.4	57.6	17.1
1000 TO 1500	3.0	7.2	18.2	20.6	7.8	2.0	0.0	0.0	7.8	7.8	7.8	4.0	7.2
1500 TO 2000	7.2	13.6	0.6	8.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1680.0	1680.0	1519.0	1680.0	1680.0	1425.7	362.7	313.6	1214.0	1214.0	1214.0	1183.6	1680.0
MEAN	320.1	577.4	535.0	673.9	480.9	418.8	335.4	257.4	480.2	479.8	477.6	574.0	467.5
MIN	50.4	300.0	300.0	300.0	300.0	349.7	300.0	199.3	142.8	145.4	143.3	146.3	50.4
RANGE	1629.6	1380.0	1219.0	1380.0	1380.0	1076.0	62.7	114.4	1071.2	1068.7	1070.8	1037.3	1629.6

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125 TO 150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150 TO 175	82.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.8	30.8	30.8	32.6	17.3
175 TO 200	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.4	0.0	0.1
200 TO 250	0.4	0.0	0.0	0.0	0.0	0.0	0.0	32.0	4.2	4.4	4.2	0.6	3.8
250 TO 300	0.8	0.0	0.0	20.0	38.0	38.0	34.0	68.0	1.6	1.4	1.6	2.0	17.1
300 TO 500	1.8	73.0	60.4	34.0	42.6	60.0	66.0	0.0	19.8	19.2	19.0	3.2	33.2
500 TO 1000	3.0	5.4	16.8	13.6	12.8	0.0	0.0	0.0	34.6	35.2	34.0	53.6	17.4
1000 TO 1500	3.2	5.0	7.8	19.8	5.8	2.0	0.0	0.0	8.6	8.8	10.0	8.0	6.6
1500 TO 2000	7.2	16.6	15.0	12.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1686.6	1705.1	1713.2	1695.5	1677.6	1422.4	387.6	250.0	1228.0	1208.8	1234.1	1200.6	1713.2
MEAN	334.2	628.6	706.3	739.7	433.3	339.5	305.0	250.0	486.8	485.7	486.7	587.1	481.9
MIN	170.0	301.9	314.9	300.0	300.0	300.0	300.0	250.0	170.0	170.0	170.0	170.0	170.0
RANGE	1516.6	1403.2	1398.2	1395.5	1377.6	1122.4	87.6	0.0	1058.0	1038.8	1064.1	1030.6	1543.2

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 2020 LEVEL OF DEVELOPMENT
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YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.7	1120.7	1122.8	1123.5	1123.3	1122.8	1122.3	1122.0	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	168.0	300.0	300.0	1256.1	365.2	441.1	348.4	255.6	388.2	388.2	388.2	586.5
	DIVERSION CFS												
1922	LEVEL - FT	1120.8	1120.8	1122.1	1123.3	1122.8	1122.3	1122.1	1121.9	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	161.4	300.0	300.0	300.0	414.0	426.2	324.5	247.3	308.0	308.0	308.0	659.4
	DIVERSION CFS												
1923	LEVEL - FT	1121.0	1120.8	1122.4	1123.5	1123.4	1123.0	1122.6	1122.3	1122.0	1121.8	1121.3	1121.4
	OUTFLOW - CFS	143.2	906.7	300.0	1234.5	350.3	414.6	345.0	254.0	354.6	354.6	354.6	153.0
	DIVERSION CFS												
1924	LEVEL - FT	1121.4	1121.2	1122.6	1123.0	1122.4	1121.9	1121.3	1121.1	1121.0	1120.9	1120.9	1120.8
	OUTFLOW - CFS	156.4	300.0	300.0	336.6	448.8	454.3	351.7	250.7	166.0	168.6	161.5	314.5
	DIVERSION CFS			600.0	600.0								
1925	LEVEL - FT	1120.7	1121.1	1122.7	1123.1	1122.6	1121.8	1121.3	1121.0	1120.7	1120.7	1120.8	1120.6
	OUTFLOW - CFS	166.4	300.0	323.0	300.0	428.9	494.1	355.0	257.3	180.9	161.9	151.6	174.5
	DIVERSION CFS												
1926	LEVEL - FT	1120.6	1120.9	1121.4	1121.1	1121.0	1120.3	1119.9	1120.1	1120.4	1120.2	1120.2	1120.0
	OUTFLOW - CFS	159.8	300.0	300.0	377.8	425.6	475.9	348.4	249.0	166.0	176.9	163.2	176.2
	DIVERSION CFS					600.0	0.0	0.0	600.0	600.0	0.0	0.0	0.0
1927	LEVEL - FT	1119.9	1119.9	1120.8	1122.0	1121.7	1121.3	1121.7	1122.1	1121.9	1121.7	1121.3	1120.8
	OUTFLOW - CFS	178.0	300.0	300.0	300.0	368.6	407.9	300.0	313.6	721.1	721.1	721.1	820.2
	DIVERSION CFS	110.0	247.0										
1928	LEVEL - FT	1120.3	1120.8	1124.3	1124.7	1124.1	1123.5	1123.1	1122.8	1122.6	1121.8	1121.3	1121.1
	OUTFLOW - CFS	1135.5	300.0	1303.5	1597.9	1680.0	478.7	340.1	257.3	705.1	705.1	705.1	172.8
	DIVERSION CFS												
1929	LEVEL - FT	1121.1	1120.9	1120.9	1121.3	1121.1	1120.9	1121.0	1120.7	1120.4	1120.2	1120.0	1119.9
	OUTFLOW - CFS	158.1	300.0	300.0	300.1	443.8	364.6	300.0	255.6	166.0	176.9	176.4	166.2
	DIVERSION CFS					600.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1930	LEVEL - FT	1119.9	1120.5	1121.0	1121.6	1121.6	1121.2	1120.8	1120.4	1120.3	1120.0	1119.8	1119.6
	OUTFLOW - CFS	166.4	300.0	300.0	313.4	452.1	414.6	335.1	265.6	171.0	176.9	171.5	177.8
	DIVERSION CFS	0.0	600.0	600.0	600.0	600.0	0.0	0.0	0.0	106.0	0.0	0.0	0.0
1931	LEVEL - FT	1119.7	1120.0	1120.8	1121.2	1121.3	1120.6	1120.2	1119.9	1120.1	1120.0	1119.7	1119.5
	OUTFLOW - CFS	164.7	300.0	300.0	339.9	375.8	492.5	341.7	263.9	166.0	170.2	176.4	172.8
	DIVERSION CFS	208.0	557.0	600.0	600.0	600.0	0.0	0.0	191.0	379.0	0.0	0.0	0.0
1932	LEVEL - FT	1120.1	1120.9	1122.8	1123.5	1123.2	1122.9	1122.5	1122.2	1122.1	1121.7	1121.3	1120.8
	OUTFLOW - CFS	139.9	300.0	300.0	622.9	395.7	388.0	335.1	249.0	530.0	530.0	530.3	745.6
	DIVERSION CFS	401.0	600.0										
1933	LEVEL - FT	1120.8	1120.0	1121.8	1123.5	1123.5	1123.0	1122.9	1123.0	1122.3	1121.9	1121.3	1120.8
	OUTFLOW - CFS	164.7	1632.0	300.0	414.5	386.8	424.5	317.9	222.5	1159.8	1159.8	1159.8	828.9
	DIVERSION CFS												
1934	LEVEL - FT	1121.1	1122.5	1123.3	1123.2	1122.9	1122.6	1122.3	1122.0	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	131.6	1451.3	845.4	334.9	379.1	394.7	333.4	252.3	590.9	590.9	590.9	913.1
	DIVERSION CFS												
1935	LEVEL - FT	1121.0	1120.1	1122.0	1123.3	1123.5	1123.5	1123.2	1122.9	1122.3	1121.7	1121.3	1120.8
	OUTFLOW - CFS	139.9	1648.6	300.0	300.0	1180.0	354.6	326.2	257.3	924.4	924.4	924.4	590.2
	DIVERSION CFS												
1936	LEVEL - FT	1120.8	1121.5	1123.3	1123.5	1123.3	1122.9	1122.5	1122.2	1121.7	1121.6	1121.3	1120.8
	OUTFLOW - CFS	161.4	300.0	479.1	1065.1	360.3	427.8	336.8	255.6	307.5	307.5	307.5	925.0
	DIVERSION CFS												
1937	LEVEL - FT	1120.8	1120.9	1122.3	1123.5	1123.3	1122.8	1122.5	1122.2	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	158.1	300.0	300.0	811.9	361.9	456.0	331.8	247.3	604.8	604.8	604.8	825.5
	DIVERSION CFS												
1938	LEVEL - FT	1120.9	1121.1	1122.9	1123.3	1123.0	1122.4	1122.2	1121.8	1121.5	1121.4	1121.3	1121.1
	OUTFLOW - CFS	153.1	526.6	300.0	300.0	387.4	451.0	326.2	257.3	250.6	250.6	250.6	172.8
	DIVERSION CFS												
1939	LEVEL - FT	1121.1	1121.3	1122.3	1122.7	1122.4	1121.7	1121.3	1120.9	1120.7	1120.7	1120.6	1120.4
	OUTFLOW - CFS	159.8	300.0	300.0	300.1	382.5	477.6	338.4	263.9	171.0	158.6	178.1	169.5
	DIVERSION CFS												
1940	LEVEL - FT	1120.6	1120.8	1121.8	1121.8	1121.7	1121.0	1120.6	1120.7	1120.9	1120.8	1120.8	1120.7
	OUTFLOW - CFS	144.8	300.0	300.0	333.3	425.6	489.2	331.8	257.3	176.0	170.2	158.2	167.9
	DIVERSION CFS					600.0	0.0	0.0	600.0	600.0	0.0	0.0	
1941	LEVEL - FT	1120.7	1121.3	1121.8	1122.3	1122.1	1121.7	1121.7	1121.9	1121.8	1121.7	1121.3	1120.8
	OUTFLOW - CFS	153.1	300.0	300.0	300.0	358.6	409.6	304.7	210.9	462.1	462.1	462.1	870.9
	DIVERSION CFS												
1942	LEVEL - FT	1120.7	1121.3	1122.8	1123.5	1123.5	1123.0	1122.6	1122.1	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	169.7	300.0	1236.8	1550.7	759.7	426.2	341.7	265.6	416.9	416.9	416.9	865.3
	DIVERSION CFS												
1943	LEVEL - FT	1120.7	1121.0	1122.3	1123.6	1123.4	1122.9	1122.4	1122.2	1121.8	1121.5	1121.3	1121.3
	OUTFLOW - CFS	171.4	300.0	300.0	300.0	343.7	432.8	343.4	263.9	286.9	286.9	286.9	164.6
	DIVERSION CFS			600.0	600.0								
1944	LEVEL - FT	1121.1	1121.1	1121.9	1122.8	1122.5	1122.1	1121.9	1121.7	1121.6	1121.4	1121.3	1120.8
	OUTFLOW - CFS	176.3	300.0	300.0	300.0	367.5	379.5	337.8	259.0	320.7	320.7	320.7	901.8
	DIVERSION CFS												
1945	LEVEL - FT	1120.7	1120.6	1122.7	1123.5	1123.2	1122.7	1122.3	1122.3	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	184.5	300.0	1028.8	951.7	340.4	384.5	336.1	255.6	614.5	614.5	614.5	780.4
	DIVERSION CFS												
1946	LEVEL - FT	1120.9	1120.6	1123.4	1124.0	1123.5	1123.2	1122.7	1122.4	1122.1	1121.7	1121.3	1121.3
	OUTFLOW - CFS	154.8	1580.6	1378.1	1541.5	817.5	379.8	306.9	239.1	481.2	481.2	481.2	156.3
	DIVERSION CFS												
1947	LEVEL - FT	1121.4	1121.5	1122.2	1122.5	1122.2	1121.7	1121.4	1121.3	1121.2	1121.1	1121.0	1120.8
	OUTFLOW - CFS	156.4	300.0	300.0	310.1	348.7	407.9	351.1	272.2	169.3	181.8	158.2	308.7
	DIVERSION CFS												
1948	LEVEL - FT	1119.6	1118.9	1122.0	1123.5	1123.5	1123.5	1123.4	1123.4	1122.6	1122.0	1121.3	1120.8
	OUTFLOW - CFS	1678.1	1625.4	1273.7	1105.5	570.8	1044.0	300.0	273.9	924.5	924.5	924.5	963.1

	DIVERSION CFS												
1949	LEVEL - FT	1121.0	1121.8	1123.6	1123.5	1123.4	1123.2	1122.8	1122.5	1122.1	1121.9	1121.8	1120.8
	OUTFLOW - CFS	50.4	300.0	1519.0	860.9	343.7	381.2	344.4	272.2	624.7	624.7	624.7	820.2
	DIVERSION CFS												
1950	LEVEL - FT	1120.4	1119.5	1121.4	1123.5	1123.4	1123.3	1122.8	1122.6	1122.2	1121.9	1121.3	1120.8
	OUTFLOW - CFS	901.1	1637.0	300.0	364.8	333.8	362.9	347.7	263.9	700.3	700.3	700.3	1183.2
	DIVERSION CFS												
1951	LEVEL - FT	1119.9	1119.7	1122.5	1123.5	1123.5	1123.0	1122.8	1122.7	1122.2	1121.9	1121.3	1120.8
	OUTFLOW - CFS	1636.6	1575.6	1271.9	300.0	401.6	376.2	352.7	244.0	695.3	695.3	695.3	988.0
	DIVERSION CFS												
1952	LEVEL - FT	1120.8	1121.4	1123.4	1123.5	1123.5	1123.1	1122.7	1122.4	1121.9	1121.5	1121.3	1120.8
	OUTFLOW - CFS	164.7	705.1	1306.8	1097.1	349.0	364.6	319.6	199.3	568.2	568.2	568.2	849.7
	DIVERSION CFS												
1953	LEVEL - FT	1120.7	1120.7	1122.0	1123.3	1123.2	1123.1	1122.6	1122.4	1122.1	1121.7	1121.3	1120.8
	OUTFLOW - CFS	141.5	300.0	300.0	300.0	345.4	371.2	346.1	232.4	653.7	653.7	653.7	865.3
	DIVERSION CFS												
1954	LEVEL - FT	1120.8	1120.5	1122.4	1123.5	1123.5	1123.5	1123.5	1123.4	1122.9	1122.1	1121.3	1120.8
	OUTFLOW - CFS	181.3	428.2	951.9	873.9	1046.5	374.4	357.7	268.9	1212.0	1212.0	1212.0	807.3
	DIVERSION CFS												
1955	LEVEL - FT	1120.8	1119.8	1120.8	1122.9	1123.4	1123.0	1122.8	1122.6	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	179.6	1680.0	300.0	300.0	410.9	419.3	359.4	273.9	771.5	771.5	771.5	696.3
	DIVERSION CFS												
1956	LEVEL - FT	1121.0	1120.8	1122.9	1123.5	1123.4	1123.1	1122.7	1122.5	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	184.6	1503.5	1437.6	1306.6	417.5	419.3	359.4	265.6	565.1	565.1	565.1	876.9
	DIVERSION CFS												
1957	LEVEL - FT	1120.8	1120.9	1123.1	1123.5	1123.2	1123.2	1122.9	1122.7	1122.1	1121.6	1121.3	1120.8
	OUTFLOW - CFS	173.0	300.0	1429.5	406.5	360.3	395.4	362.7	262.3	758.9	758.9	758.9	1031.1
	DIVERSION CFS												
1958	LEVEL - FT	1120.9	1120.9	1122.8	1123.2	1122.9	1122.3	1121.9	1121.8	1121.5	1121.4	1121.3	1120.8
	OUTFLOW - CFS	173.0	559.5	932.0	300.0	363.6	401.3	359.4	272.2	422.8	422.8	422.8	795.4
	DIVERSION CFS												
1959	LEVEL - FT	1120.9	1120.2	1122.5	1123.7	1123.5	1123.1	1123.2	1123.3	1122.7	1122.0	1121.3	1120.8
	OUTFLOW - CFS	171.4	1612.1	912.8	1478.5	583.0	366.2	359.4	260.6	1171.0	1171.0	1171.0	997.6
	DIVERSION CFS												
1960	LEVEL - FT	1120.8	1121.2	1122.7	1123.5	1123.2	1122.7	1122.4	1122.1	1121.9	1121.5	1121.3	1120.8
	OUTFLOW - CFS	164.7	300.0	300.0	460.3	369.2	349.7	336.1	275.5	392.3	392.3	392.3	840.5
	DIVERSION CFS												
1961	LEVEL - FT	1120.8	1120.8	1122.9	1123.5	1123.3	1122.8	1122.1	1121.7	1121.4	1121.4	1121.3	1120.8
	OUTFLOW - CFS	144.8	300.0	300.0	591.5	370.2	366.2	344.4	263.9	206.2	206.2	206.2	886.5
	DIVERSION CFS												
1962	LEVEL - FT	1120.8	1120.1	1121.1	1121.9	1121.7	1121.4	1121.0	1120.9	1120.8	1120.7	1120.5	1120.4
	OUTFLOW - CFS	129.9	1585.6	300.0	300.0	369.2	358.0	321.2	227.5	156.1	183.5	178.1	151.3
	DIVERSION CFS												
1963	LEVEL - FT	1120.5	1120.5	1121.7	1122.4	1122.4	1122.1	1121.9	1121.4	1121.4	1121.3	1121.3	1120.8
	OUTFLOW - CFS	156.4	300.0	300.0	300.0	300.0	399.4	346.1	268.9	179.3	171.9	168.1	666.1
	DIVERSION CFS			600.0	600.0								
1964	LEVEL - FT	1120.8	1120.7	1122.0	1123.5	1123.5	1123.5	1123.4	1123.4	1122.8	1121.8	1121.3	1120.8
	OUTFLOW - CFS	168.0	300.0	300.0	1282.4	620.5	356.3	303.0	250.7	1214.0	1214.0	1214.0	842.1
	DIVERSION CFS												
1965	LEVEL - FT	1120.8	1121.3	1123.2	1123.5	1123.3	1123.2	1122.9	1122.6	1122.2	1121.8	1121.3	1121.2
	OUTFLOW - CFS	181.3	300.0	335.9	1276.6	333.8	386.1	359.7	277.2	615.0	615.0	615.0	146.3
	DIVERSION CFS												
1966	LEVEL - FT	1121.2	1121.2	1122.0	1122.3	1122.2	1121.8	1121.5	1121.0	1120.9	1120.9	1120.9	1120.9
	OUTFLOW - CFS	159.8	300.0	300.0	326.6	352.6	378.1	334.5	275.5	166.0	166.9	156.5	184.7
	DIVERSION CFS												
1967	LEVEL - FT	1120.7	1120.6	1121.9	1123.5	1123.1	1122.5	1122.0	1121.7	1121.4	1121.4	1121.2	1120.8
	OUTFLOW - CFS	186.3	328.2	300.0	422.1	343.7	381.4	331.2	262.3	177.6	165.3	143.3	774.1
	DIVERSION CFS												
1968	LEVEL - FT	1120.9	1120.8	1122.7	1123.5	1123.3	1123.2	1123.0	1122.7	1122.2	1121.8	1121.3	1120.9
	OUTFLOW - CFS	146.5	316.6	300.0	1542.7	363.6	364.6	311.3	267.2	760.3	760.3	760.3	698.4
	DIVERSION CFS												
1969	LEVEL - FT	1120.9	1120.8	1122.9	1123.4	1123.2	1122.7	1122.5	1122.3	1121.9	1121.6	1121.3	1121.3
	OUTFLOW - CFS	169.7	1600.5	1089.4	300.0	330.4	364.8	312.9	262.3	542.5	542.5	542.5	153.0
	DIVERSION CFS												
1970	LEVEL - FT	1121.4	1121.1	1121.8	1122.0	1121.6	1121.0	1120.5	1120.2	1120.0	1119.8	1119.7	1119.8
	OUTFLOW - CFS	78.5	300.0	300.0	300.0	420.6	398.0	312.9	250.7	174.3	145.4	151.6	161.2
	DIVERSION CFS												

OKANAGAN RIVER SYSTEM
****

1970 LEVEL OF DEVELOPMENT

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MINIMUM FLOW REQUIREMENTS - CFS 300.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHING REQUIREMENTS - CFS	MAX	1000.	1000.	0.	0.	0.	450.	500.	550.	1000.	1000.	1000.	1000.
	MIN	100.	100.	0.	0.	0.	300.	300.	100.	100.	100.	100.	100.

CHANNEL CAPACITY - CFS

0.	OKANAGAN LAKE - NORTH OF PENTICTON
1470.	PENTICTON TO SKAHA LAKE DAM
2160.	SKAHA LAKE DAM TO VASEUX LAKE
2720.	VASEUX LAKE TO GAUGE NM-85 AT OLIVER

LAKE LEVEL ADJUSTED IN OCT-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

RUN #33. NEW NULL CONDITION. CHANNEL CAPACITY REDUCED TO 70% DESIGN
******* MINIMUM FLOW AT ALL POINTS D/S OF PENTICTON. FISH IGNORED

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED
OPERATED FROM 1921-1970

(0 FT = 1119.8)

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.3
-3.0 TO -2.5	2.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	0.0	0.0	0.8
-2.5 TO -2.0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
-2.0 TO -1.5	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
-1.5 TO -1.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	1.2
-1.0 TO -0.5	2.0	2.0	2.0	0.0	0.0	0.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0
-0.5 TO 0.0	2.0	2.0	0.0	0.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8
0.0 TO 0.5	12.0	10.4	2.0	2.0	2.0	2.0	0.2	0.2	4.2	4.2	4.2	4.2	4.0
0.5 TO 1.0	15.8	17.2	2.0	2.0	4.0	4.2	9.8	7.8	5.8	5.8	3.8	3.8	6.8
1.0 TO 1.5	54.6	41.6	4.8	2.0	2.4	6.0	4.6	9.2	5.4	7.4	84.0	78.0	25.0
1.5 TO 2.0	3.6	19.6	5.4	4.2	7.6	10.8	11.2	17.4	41.0	65.6	0.0	6.0	16.5
2.0 TO 2.5	0.0	1.6	23.6	6.8	5.0	13.4	21.6	34.6	27.6	9.0	0.0	0.0	11.9
2.5 TO 3.0	0.0	1.6	22.6	11.6	15.2	20.8	27.0	16.6	8.0	0.0	0.0	0.0	10.3
3.0 TO 3.5	0.0	0.0	27.6	15.0	29.8	28.0	11.4	6.2	0.0	0.0	0.0	0.0	9.8
3.5 TO 4.0	0.0	0.0	6.2	45.2	29.4	8.8	6.2	0.0	0.0	0.0	0.0	0.0	8.0
4.0 TO 4.5	0.0	0.0	1.4	5.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
4.5 TO 5.0	0.0	0.0	0.4	3.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
5.0 TO 5.5	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1121.6	1122.8	1124.5	1124.9	1124.4	1123.8	1123.7	1123.3	1122.6	1122.0	1121.3	1121.4	1124.9
MEAN	1120.9	1120.7	1122.3	1122.9	1122.6	1122.1	1121.8	1121.6	1121.3	1121.2	1120.9	1120.6	1121.6
MIN	1116.9	1117.3	1118.8	1118.6	1118.3	1117.5	1117.1	1116.9	1116.9	1116.9	1116.7	1116.6	1116.6
RANGE	4.7	5.5	5.7	6.3	6.2	6.3	6.6	6.4	5.7	5.1	4.6	4.8	8.3

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PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	82.4	0.0	0.0	0.0	0.0	0.0	0.0	24.6	24.6	24.6	24.6	36.0	18.1
125 TO 150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150 TO 175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	0.0	1.0
175 TO 200	0.4	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	0.0	0.8
200 TO 250	0.6	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	0.0	0.9
250 TO 300	1.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	0.0	1.3
300 TO 500	1.8	73.8	69.4	55.4	81.2	87.6	100.0	25.2	25.2	25.2	25.2	0.2	47.5
500 TO 1000	3.4	7.6	8.8	16.4	7.2	10.4	0.0	33.0	33.0	33.0	33.0	53.8	20.0
1000 TO 1500	10.4	18.6	21.8	28.2	11.6	2.0	0.0	5.6	5.6	5.6	5.6	10.0	10.4
1500 TO 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1470.0	1459.5	1311.0	1470.0	1470.0	1470.0	356.4	1105.1	1105.1	1105.1	1105.1	1232.1	1470.0
MEAN	263.8	531.5	529.2	670.2	529.7	448.1	328.9	417.6	417.6	417.6	417.6	601.9	464.4
MIN	100.0	300.0	300.0	300.0	300.0	364.4	300.0	100.0	100.0	100.0	100.0	100.0	100.0
RANGE	1370.0	1159.5	1011.0	1170.0	1170.0	1105.6	56.4	1005.1	1005.1	1005.1	1005.1	1132.1	1370.0

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	47.0	0.0	0.0	0.0	0.0	0.0	0.0	20.2	20.2	18.6	16.4	26.0	12.4
125 TO 150	27.4	0.0	0.0	0.0	0.0	0.0	0.0	4.4	4.4	6.0	8.2	10.0	5.0
150 TO 175	4.8	0.0	0.0	0.2	0.0	0.0	0.0	2.8	0.4	2.0	0.2	0.0	0.8
175 TO 200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	4.4	0.8	2.8	0.0	0.8
200 TO 250	3.6	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.8	2.8	2.6	0.0	0.9
250 TO 300	1.0	0.0	0.0	24.8	32.8	34.0	34.0	3.8	4.4	5.8	6.0	0.0	12.2
300 TO 500	2.4	73.0	60.6	30.8	47.0	63.6	66.0	25.4	25.4	22.8	23.4	0.0	36.7
500 TO 1000	3.0	7.2	14.0	13.6	10.8	0.4	0.0	34.6	33.8	35.6	34.6	50.2	19.8
1000 TO 1500	10.8	19.8	22.0	30.8	9.4	2.0	0.0	5.6	6.2	5.6	5.8	13.8	11.0
1500 TO 2000	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1477.8	1496.5	1501.5	1481.5	1460.4	1455.5	394.4	1119.1	1135.6	1110.1	1120.9	1262.1	1501.5
MEAN	292.6	598.6	696.9	718.4	469.6	357.6	305.3	434.8	439.1	440.3	442.2	627.8	485.3
MIN	100.0	303.3	313.3	300.0	300.0	300.0	300.0	109.0	104.0	103.3	107.5	105.1	100.0
RANGE	1377.8	1193.2	1188.2	1181.5	1160.4	1155.5	94.4	1010.1	1031.6	1006.8	1013.4	1157.0	1401.5

OKANAGAN LAKE

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 1970 LEVEL OF DEVELOPMENT
****

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YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.8	1120.8	1122.9	1123.5	1123.2	1122.6	1122.2	1121.9	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	1338.2	396.7	473.8	341.6	384.1	384.1	384.1	384.1	635.4
1922	LEVEL - FT	1120.9	1120.9	1122.2	1123.3	1122.8	1122.3	1122.1	1121.9	1121.6	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	300.0	446.4	458.9	317.2	340.7	340.7	340.7	340.7	707.6
1923	LEVEL - FT	1121.0	1120.8	1122.4	1123.5	1123.4	1122.9	1122.5	1122.2	1121.9	1121.8	1121.3	1121.4
	OUTFLOW - CFS	100.0	1033.1	300.0	1165.6	362.8	447.3	338.2	363.0	363.0	363.0	363.0	100.0
1924	LEVEL - FT	1121.6	1121.4	1122.4	1122.3	1121.6	1121.0	1120.5	1120.4	1120.4	1120.4	1120.5	1120.6
	OUTFLOW - CFS	100.0	300.0	300.0	354.2	481.3	487.1	344.9	100.0	100.0	100.0	100.0	100.0
1925	LEVEL - FT	1120.6	1121.0	1122.6	1122.9	1122.3	1121.5	1121.0	1120.9	1120.7	1120.8	1121.0	1120.9
	OUTFLOW - CFS	100.0	300.0	325.0	314.4	461.4	526.8	348.2	100.0	100.0	100.0	100.0	100.0
1926	LEVEL - FT	1120.3	1121.2	1121.8	1121.3	1120.7	1120.0	1119.6	1119.5	1119.5	1119.4	1119.5	1119.4
	OUTFLOW - CFS	100.0	300.0	300.0	416.1	458.0	508.6	341.6	100.0	100.0	100.0	100.0	100.0
1927	LEVEL - FT	1119.3	1119.2	1120.1	1121.2	1120.9	1120.4	1120.8	1121.3	1121.3	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	309.0	400.0	440.6	300.0	370.2	370.2	370.2	370.2	868.7
1928	LEVEL - FT	1120.3	1120.9	1124.5	1124.9	1124.4	1123.5	1123.1	1122.6	1122.5	1121.8	1121.3	1121.2
	OUTFLOW - CFS	1170.6	300.0	1095.5	1401.4	1470.0	925.9	333.3	667.2	667.2	667.2	667.2	100.0
1929	LEVEL - FT	1121.3	1121.1	1121.1	1121.4	1120.8	1120.5	1120.6	1120.5	1120.3	1120.1	1120.1	1120.0
	OUTFLOW - CFS	100.0	300.0	300.0	317.7	476.3	389.3	300.0	100.0	100.0	100.0	100.0	100.0
1930	LEVEL - FT	1120.1	1120.3	1120.4	1120.5	1120.0	1119.5	1119.2	1118.9	1118.9	1118.6	1118.6	1118.5
	OUTFLOW - CFS	100.0	300.0	300.0	331.0	484.6	447.3	328.3	100.0	100.0	100.0	100.0	100.0
1931	LEVEL - FT	1118.5	1118.4	1118.8	1118.6	1118.3	1117.5	1117.1	1116.9	1116.9	1116.9	1116.7	1116.6
	OUTFLOW - CFS	100.0	300.0	300.0	357.5	408.3	525.2	334.9	100.0	100.0	100.0	100.0	100.0
1932	LEVEL - FT	1116.9	1117.3	1119.2	1120.1	1119.7	1119.3	1119.0	1118.9	1119.1	1119.0	1119.0	1119.0
	OUTFLOW - CFS	100.0	300.0	300.0	300.0	428.2	420.8	328.3	100.0	100.0	100.0	100.0	100.0
1933	LEVEL - FT	1119.1	1119.3	1121.1	1122.8	1122.8	1122.3	1122.2	1121.9	1121.6	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	300.0	344.6	457.2	310.6	735.8	735.8	735.8	735.8	877.0
1934	LEVEL - FT	1121.2	1122.8	1123.3	1123.2	1122.8	1122.4	1122.1	1121.7	1121.6	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	1225.8	1195.1	352.5	411.6	427.4	326.6	510.9	510.9	510.9	510.9	961.9
1935	LEVEL - FT	1121.1	1120.3	1122.3	1123.5	1123.5	1123.4	1123.2	1122.6	1122.0	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	1423.1	300.0	300.0	1397.9	365.9	318.9	815.2	815.2	815.2	815.2	638.7
1936	LEVEL - FT	1120.9	1121.6	1123.3	1123.5	1123.3	1122.8	1122.4	1122.1	1121.6	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	601.3	1018.7	372.8	460.5	330.0	328.3	328.3	328.3	328.3	973.2
1937	LEVEL - FT	1120.9	1121.0	1122.4	1123.5	1123.3	1122.7	1122.4	1122.0	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	884.0	376.8	488.7	325.0	548.5	548.5	548.5	548.5	874.1
1938	LEVEL - FT	1121.0	1121.1	1122.9	1123.3	1122.8	1122.2	1122.0	1121.7	1121.4	1121.3	1121.3	1121.2
	OUTFLOW - CFS	100.0	662.9	300.0	311.1	419.9	483.7	318.9	261.3	261.3	261.3	261.3	100.0
1939	LEVEL - FT	1121.3	1121.5	1122.5	1122.8	1122.4	1121.7	1121.3	1121.1	1121.0	1121.1	1121.0	1121.0
	OUTFLOW - CFS	100.0	300.0	300.0	317.7	414.9	510.3	331.6	100.0	100.0	100.0	100.0	100.0
1940	LEVEL - FT	1121.2	1121.5	1122.5	1122.4	1121.8	1121.0	1120.7	1120.5	1120.4	1120.4	1120.5	1120.4
	OUTFLOW - CFS	100.0	300.0	300.0	350.9	458.0	521.9	325.0	100.0	100.0	100.0	100.0	100.0
1941	LEVEL - FT	1120.5	1121.1	1121.7	1122.0	1121.8	1121.3	1121.4	1121.6	1121.5	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	309.4	371.1	442.3	300.0	350.8	350.8	350.8	350.8	918.5
1942	LEVEL - FT	1120.8	1121.4	1122.9	1123.7	1123.5	1123.0	1122.5	1122.0	1121.7	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	1264.6	1369.9	936.1	458.9	334.9	431.2	431.2	431.2	431.2	913.9
1943	LEVEL - FT	1120.4	1121.1	1122.0	1122.8	1122.5	1122.0	1121.5	1121.5	1121.3	1121.1	1121.1	1121.2
	OUTFLOW - CFS	100.0	300.0	300.0	300.0	365.2	465.5	336.6	100.0	100.0	100.0	100.0	100.0
1944	LEVEL - FT	1121.1	1121.1	1121.9	1122.8	1122.4	1122.0	1121.7	1121.6	1121.5	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	300.0	400.0	390.7	330.5	324.4	324.4	324.4	324.4	950.3
1945	LEVEL - FT	1120.7	1120.7	1122.7	1123.5	1123.2	1122.6	1122.3	1122.1	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	249.6	300.0	1024.2	905.3	352.9	395.7	328.8	563.9	563.9	563.9	563.9	829.0
1946	LEVEL - FT	1120.9	1120.9	1123.8	1124.5	1123.5	1123.1	1122.7	1122.2	1122.0	1121.6	1121.3	1121.4
	OUTFLOW - CFS	100.0	1358.1	1170.1	1345.1	1455.6	412.5	300.1	472.6	472.6	472.6	472.6	100.0
1947	LEVEL - FT	1121.5	1121.7	1122.4	1122.6	1122.2	1121.7	1121.4	1121.4	1121.4	1121.3	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	327.7	361.1	440.6	343.8	164.2	164.2	164.2	164.2	774.3
1948	LEVEL - FT	1119.8	1119.8	1123.0	1124.4	1123.7	1123.5	1123.4	1123.1	1122.4	1121.9	1121.3	1120.8
	OUTFLOW - CFS	1454.5	730.8	1065.7	1190.9	1470.0	1283.7	300.0	834.2	834.2	834.2	834.2	1011.3
1949	LEVEL - FT	1121.0	1121.9	1123.8	1123.5	1123.4	1123.1	1122.8	1122.3	1121.9	1121.9	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	1311.0	1033.3	356.2	392.4	337.1	575.7	575.7	575.7	575.7	868.7
1950	LEVEL - FT	1120.4	1119.8	1121.7	1123.5	1123.4	1123.2	1122.7	1122.3	1122.0	1121.8	1121.3	1120.8
	OUTFLOW - CFS	966.2	1234.0	300.0	716.8	346.2	374.2	340.4	630.3	630.3	630.3	630.3	1232.1
1951	LEVEL - FT	1120.1	1120.1	1123.0	1123.5	1123.5	1122.9	1122.7	1122.4	1122.0	1121.8	1121.3	1120.8
	OUTFLOW - CFS	1413.1	1350.1	1107.1	924.7	407.6	387.4	345.4	624.1	624.1	624.1	624.1	1036.5
1952	LEVEL - FT	1120.8	1121.4	1123.5	1123.5	1123.5	1123.0	1122.7	1122.2	1121.7	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	853.0	1098.8	1236.0	300.0	375.8	312.3	530.5	530.5	530.5	530.5	897.3
1953	LEVEL - FT	1120.8	1120.8	1122.1	1123.3	1123.2	1123.0	1122.6	1122.2	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	370.0	300.0	300.0	357.8	382.5	338.8	601.5	601.5	601.5	601.5	913.5
1954	LEVEL - FT	1120.9	1120.5	1122.4	1123.5	1123.5	1123.5	1123.5	1122.9	1122.5	1121.9	1121.3	1120.8
	OUTFLOW - CFS	100.0	592.5	929.2	827.5	985.7	370.9	350.4	1037.3	1037.3	1037.3	1037.3	855.5
1955	LEVEL - FT	1120.9	1120.1	1121.0	1123.2	1123.5	1123.1	1122.8	1122.4	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	1459.5	300.0	300.0	551.5	430.5	352.1	732.6	732.6	732.6	732.6	744.8
1956	LEVEL - FT	1121.1	1121.0	1123.2	1123.6	1123.5	1123.1	1122.7	1122.3	1121.9	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	1449.6	1276.2	1470.0	426.1	430.5	352.1	568.2	568.2	568.2	568.2	925.4
1957	LEVEL - FT	1120.9	1121.0	1123.4	1123.5	1123.2	1123.1	1122.8	1122.3	1121.9	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	1221.5	701.9	372.8	405.7	355.4	674.3	674.3	674.3	674.3	1079.6

RUN 33 - 1970 DEV.

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1958	LEVEL - FT	1121.0	1121.0	1122.8	1123.1	1122.8	1122.2	1121.8	1121.6	1121.4	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	715.9	909.3	306.0	376.1	434.0	352.1	405.8	405.8	405.8	405.8	843.9
1959	LEVEL - FT	1121.0	1120.5	1122.6	1123.9	1123.5	1123.0	1123.2	1122.8	1122.3	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	1386.6	1148.5	1282.1	794.2	377.5	352.1	1000.8	1000.8	1000.8	1000.8	1046.1
1960	LEVEL - FT	1120.9	1121.3	1122.8	1123.5	1123.1	1122.6	1122.4	1122.0	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	539.3	401.7	364.4	328.8	396.4	396.4	396.4	396.4	888.6
1961	LEVEL - FT	1120.9	1120.9	1123.0	1123.5	1123.2	1122.7	1122.0	1121.7	1121.4	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	650.1	382.7	377.7	337.1	259.8	259.8	259.8	259.8	935.0
1962	LEVEL - FT	1120.8	1120.3	1121.3	1122.1	1121.8	1121.5	1121.1	1121.2	1121.2	1121.1	1121.0	1121.0
	OUTFLOW - CFS	100.0	1360.1	300.0	300.0	401.7	369.2	313.9	100.0	100.0	100.0	100.0	100.0
1963	LEVEL - FT	1121.2	1121.2	1122.0	1122.2	1122.2	1121.8	1121.6	1121.3	1121.3	1121.3	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	300.0	304.8	417.4	338.8	160.3	160.3	160.3	160.3	739.8
1964	LEVEL - FT	1120.9	1120.8	1122.1	1123.6	1123.5	1123.4	1123.4	1122.9	1122.4	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	1283.7	640.8	367.5	300.0	1029.6	1029.6	1029.6	1029.6	890.3
1965	LEVEL - FT	1120.9	1121.5	1123.2	1123.5	1123.3	1123.1	1122.8	1122.4	1122.1	1121.7	1121.3	1121.3
	OUTFLOW - CFS	100.0	300.0	477.4	1230.2	346.2	397.4	356.4	568.6	568.6	568.6	568.6	100.0
1966	LEVEL - FT	1121.3	1121.4	1122.2	1122.4	1122.3	1121.7	1121.5	1121.2	1121.2	1121.3	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	344.2	385.1	410.8	327.2	117.4	117.4	117.4	117.4	795.8
1967	LEVEL - FT	1120.8	1120.7	1122.1	1123.5	1123.0	1122.3	1121.9	1121.7	1121.5	1121.5	1121.3	1120.8
	OUTFLOW - CFS	101.6	312.7	300.0	536.9	371.9	414.1	323.9	180.0	180.0	180.0	180.0	969.9
1968	LEVEL - FT	1121.0	1120.9	1122.8	1123.6	1123.4	1123.2	1123.1	1122.5	1122.1	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	301.1	300.0	1419.7	376.1	375.8	304.0	726.1	726.1	726.1	726.1	748.1
1969	LEVEL - FT	1121.0	1121.1	1123.1	1123.5	1123.2	1122.7	1122.5	1122.1	1121.8	1121.6	1121.3	1121.4
	OUTFLOW - CFS	100.0	1375.0	1173.4	394.2	342.9	397.6	305.6	539.1	539.1	539.1	539.1	100.0
1970	LEVEL - FT	1121.5	1121.2	1121.9	1122.1	1121.6	1120.9	1120.5	1120.3	1120.2	1120.1	1120.1	1120.2
	OUTFLOW - CFS	100.0	300.0	300.0	300.0	453.1	430.7	305.6	100.0	100.0	100.0	100.0	100.0

OKANAGAN RIVER SYSTEM
****

2020 LEVEL OF DEVELOPMENT

MINIMUM FLOW REQUIREMENTS - CFS 300.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHING REQUIREMENTS - CFS	MAX	1000.	1000.	0.	0.	0.	450.	500.	550.	1000.	1000.	1000.	1000.
	MIN	100.	100.	0.	0.	0.	300.	300.	100.	100.	100.	100.	100.

CHANNEL CAPACITY - CFS

0.	OKANAGAN LAKE - NORTH OF PENTICTON
1470.	PENTICTON TO SKAHA LAKE DAM
2160.	SKAHA LAKE DAM TO VASEUX LAKE
2720.	VASEUX LAKE TO GAUGE NM-85 AT OLIVER

LAKE LEVEL ADJUSTED IN OCT-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

RUN #33. NEW NULL CONDITION. CHANNEL CAPACITY REDUCED TO 70% DESIGN
******* MINIMUM FLOW AT ALL POINTS D/S OF PENTICTON. FISH IGNORED

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED
OPERATED FROM 1921-1970

(0 FT = 1119.8)

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	1.0
-3.0 TO -2.5	0.0	2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.3
-2.5 TO -2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
-2.0 TO -1.5	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7
-1.5 TO -1.0	2.0	4.0	4.0	2.0	0.0	0.0	2.0	4.0	4.0	4.0	4.0	2.0	2.7
-1.0 TO -0.5	2.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	1.2
-0.5 TO 0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.2	1.0
0.0 TO 0.5	13.8	12.8	2.0	0.0	2.0	4.0	0.0	0.2	6.0	6.0	6.0	5.8	4.9
0.5 TO 1.0	23.0	24.4	2.0	2.0	6.0	2.2	10.0	9.8	4.0	4.0	4.0	4.0	7.9
1.0 TO 1.5	47.6	41.0	3.2	4.0	0.2	7.8	4.4	7.2	9.4	7.4	82.0	76.0	24.2
1.5 TO 2.0	7.6	11.8	11.2	4.0	7.8	7.0	13.0	17.6	34.8	64.4	0.0	6.0	15.4
2.0 TO 2.5	0.0	0.0	23.4	8.8	9.0	11.2	14.2	33.8	29.4	10.2	0.0	0.0	11.7
2.5 TO 3.0	0.0	1.6	19.0	13.8	10.8	20.8	30.2	15.6	8.4	0.0	0.0	0.0	10.0
3.0 TO 3.5	0.0	0.0	25.4	7.6	23.8	29.4	14.0	7.6	0.0	0.0	0.0	0.0	9.0
3.5 TO 4.0	0.0	0.0	6.0	46.4	33.6	11.4	6.0	0.2	0.0	0.0	0.0	0.0	8.6
4.0 TO 4.5	0.0	0.0	1.4	5.2	2.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.8
4.5 TO 5.0	0.0	0.0	0.4	3.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
5.0 TO 5.5	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1121.6	1122.7	1124.5	1125.1	1124.5	1123.9	1123.9	1123.4	1122.6	1122.0	1121.3	1121.4	1125.1
MEAN	1120.5	1120.6	1122.2	1122.8	1122.6	1122.2	1121.9	1121.6	1121.3	1121.1	1120.9	1120.5	1121.5
MIN	1116.4	1116.8	1118.4	1118.3	1118.0	1117.3	1116.9	1116.6	1116.6	1116.5	1116.3	1116.2	1116.2
RANGE	5.1	5.9	6.0	6.8	6.5	6.6	6.9	6.7	6.1	5.5	5.0	5.2	8.8

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PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	83.6	0.0	0.0	0.0	0.0	0.0	0.0	25.2	27.2	27.2	27.2	36.0	18.8
125 TO 150	0.2	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.4	0.4	0.4	0.0	0.3
150 TO 175	0.4	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	0.0	0.7
175 TO 200	0.4	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	0.0	0.7
200 TO 250	0.8	0.0	0.0	0.0	0.0	0.0	0.0	9.8	9.8	9.8	9.8	0.0	3.3
250 TO 300	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	0.0	0.8
300 TO 500	1.4	74.2	70.4	56.8	80.4	97.6	100.0	21.8	21.8	21.8	21.8	0.6	47.4
500 TO 1000	3.4	7.6	8.6	14.4	6.2	0.0	0.0	34.4	34.4	34.4	34.4	59.4	19.8
1000 TO 1500	10.0	18.2	21.0	28.8	13.4	2.4	0.0	0.2	0.2	0.2	0.2	4.0	8.2
1500 TO 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1470.0	1470.0	1309.0	1470.0	1470.0	1467.6	362.7	1065.1	1065.1	1065.1	1065.1	1183.6	1470.0
MEAN	258.3	524.5	521.7	666.3	525.5	429.1	335.4	379.5	377.7	378.0	377.7	568.0	445.1
MIN	100.0	300.0	300.0	300.0	300.0	349.7	300.0	100.0	100.0	100.0	100.0	100.0	100.0
RANGE	1370.0	1170.0	1009.0	1170.0	1170.0	1118.0	62.7	965.1	965.1	965.1	965.1	1083.6	1370.0

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	63.6	0.0	0.0	0.0	0.0	0.0	0.0	27.4	25.2	27.0	25.0	36.0	17.0
125 TO 150	16.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.2	0.6	2.4	0.0	2.3
150 TO 175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	2.0	0.2	0.0	0.2
175 TO 200	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.8	1.8	4.2	0.0	1.1
200 TO 250	1.6	0.0	0.0	0.0	0.0	0.0	0.0	4.0	8.2	10.0	7.8	0.0	2.6
250 TO 300	0.8	0.0	0.0	20.0	38.8	38.0	34.0	5.4	3.8	0.8	3.8	0.0	12.1
300 TO 500	1.8	73.8	60.6	34.2	40.4	59.6	66.0	21.4	21.8	23.2	22.2	0.2	35.4
500 TO 1000	3.2	7.4	14.4	13.8	9.0	0.2	0.0	34.8	34.4	34.4	34.2	55.8	20.1
1000 TO 1500	10.2	18.8	21.6	32.0	11.8	2.2	0.0	0.2	0.2	0.2	0.2	8.0	8.8
1500 TO 2000	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1476.6	1495.1	1503.2	1485.5	1469.2	1464.4	387.6	1054.5	1080.6	1053.2	1065.3	1200.6	1503.2
MEAN	272.3	575.7	693.1	732.1	478.0	349.8	305.0	372.1	384.3	383.8	386.7	581.0	459.5
MIN	100.0	301.9	314.9	300.0	300.0	300.0	300.0	100.0	100.0	100.0	100.0	100.0	100.0
RANGE	1376.6	1193.2	1188.2	1185.5	1169.2	1164.4	87.6	954.5	980.6	953.2	965.3	1100.6	1403.2

OKANAGAN LAKE

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 2020 LEVEL OF DEVELOPMENT

YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.8	1120.7	1122.8	1123.5	1123.3	1122.8	1122.3	1122.0	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	1324.3	365.2	441.1	348.4	355.1	355.1	355.1	355.1	586.5
1922	LEVEL - FT	1120.9	1120.8	1122.2	1123.3	1122.8	1122.4	1122.2	1121.9	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	300.0	414.0	426.2	324.5	308.2	308.2	308.2	308.2	659.8
1923	LEVEL - FT	1121.0	1120.8	1122.4	1123.5	1123.4	1123.0	1122.6	1122.2	1121.9	1121.8	1121.3	1121.4
	OUTFLOW - CFS	100.0	949.9	300.0	1234.5	350.3	414.6	345.0	329.5	329.5	329.5	329.5	100.0
1924	LEVEL - FT	1121.5	1121.3	1122.3	1122.2	1121.6	1121.1	1120.5	1120.4	1120.4	1120.3	1120.4	1120.4
	OUTFLOW - CFS	100.0	300.0	300.0	336.6	448.8	454.3	351.7	100.7	100.0	100.0	100.0	100.0
1925	LEVEL - FT	1120.4	1120.7	1122.4	1122.8	1122.2	1121.5	1121.0	1120.8	1120.5	1120.6	1120.7	1120.6
	OUTFLOW - CFS	100.0	300.0	323.0	300.0	428.9	494.1	355.0	107.3	110.9	100.0	100.0	104.5
1926	LEVEL - FT	1120.6	1120.9	1121.4	1121.1	1120.5	1119.9	1119.4	1119.3	1119.3	1119.1	1119.2	1119.0
	OUTFLOW - CFS	100.0	300.0	300.0	377.8	425.6	475.9	348.4	100.0	100.0	106.9	100.0	106.2
1927	LEVEL - FT	1118.9	1118.7	1119.6	1120.8	1120.5	1120.1	1120.5	1121.0	1121.2	1121.3	1121.3	1120.8
	OUTFLOW - CFS	138.0	300.0	300.0	300.0	368.6	407.9	300.0	201.9	201.9	201.9	201.9	820.2
1928	LEVEL - FT	1120.3	1120.8	1124.5	1125.0	1124.5	1123.5	1123.1	1122.5	1122.4	1121.7	1121.3	1121.1
	OUTFLOW - CFS	1105.5	300.0	1093.5	1387.9	1470.0	1108.4	340.1	593.1	593.1	593.1	593.1	102.8
1929	LEVEL - FT	1121.2	1121.0	1121.0	1121.4	1120.8	1120.6	1120.7	1120.5	1120.2	1120.0	1119.9	1119.9
	OUTFLOW - CFS	100.0	300.0	300.0	300.1	443.8	364.6	300.0	105.6	100.0	106.9	106.4	100.0
1930	LEVEL - FT	1119.9	1120.1	1120.1	1120.4	1119.9	1119.5	1119.1	1118.8	1118.7	1118.4	1118.3	1118.2
	OUTFLOW - CFS	100.0	300.0	300.0	313.4	452.1	414.6	335.1	115.6	101.0	106.9	101.5	107.8
1931	LEVEL - FT	1118.2	1118.0	1118.4	1118.3	1118.0	1117.3	1116.9	1116.6	1116.6	1116.5	1116.3	1116.2
	OUTFLOW - CFS	100.0	300.0	300.0	339.9	375.8	492.5	341.7	113.9	100.0	100.2	106.4	102.8
1932	LEVEL - FT	1116.4	1116.8	1118.7	1119.7	1119.3	1119.0	1118.7	1118.5	1118.6	1118.5	1118.5	1118.5
	OUTFLOW - CFS	100.0	300.0	300.0	300.0	395.7	388.0	335.1	100.0	100.0	105.2	100.0	100.0
1933	LEVEL - FT	1118.5	1118.7	1120.5	1122.2	1122.3	1121.8	1121.7	1121.6	1121.4	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	300.0	332.1	424.5	317.9	501.5	501.5	501.5	501.5	828.5
1934	LEVEL - FT	1121.1	1122.7	1123.3	1123.2	1122.9	1122.6	1122.3	1121.8	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	1241.3	1086.9	334.9	379.1	394.7	333.4	506.2	506.2	506.2	506.2	913.4
1935	LEVEL - FT	1121.1	1120.2	1122.2	1123.5	1123.5	1123.5	1123.2	1122.6	1122.0	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	1438.6	300.0	300.0	1429.7	354.6	326.2	757.8	757.8	757.8	757.8	590.2
1936	LEVEL - FT	1120.9	1121.5	1123.3	1123.5	1123.3	1122.9	1122.5	1122.1	1121.6	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	540.8	1065.1	360.3	427.8	336.8	294.6	294.6	294.6	294.6	925.0
1937	LEVEL - FT	1120.9	1120.9	1122.4	1123.5	1123.3	1122.8	1122.5	1122.0	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	870.1	361.9	456.0	331.8	515.5	515.5	515.5	515.5	825.2
1938	LEVEL - FT	1120.9	1121.1	1122.9	1123.3	1123.0	1122.4	1122.2	1121.8	1121.5	1121.4	1121.3	1121.1
	OUTFLOW - CFS	100.0	579.8	300.0	300.0	387.4	451.0	326.2	252.4	252.4	252.4	252.4	102.8
1939	LEVEL - FT	1121.2	1121.4	1122.4	1122.8	1122.4	1121.8	1121.4	1121.1	1121.0	1121.0	1120.9	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	300.1	382.5	477.6	338.4	113.9	101.0	100.0	108.1	100.0
1940	LEVEL - FT	1121.0	1121.3	1122.3	1122.2	1121.7	1121.0	1120.6	1120.4	1120.2	1120.2	1120.2	1120.1
	OUTFLOW - CFS	100.0	300.0	300.0	333.3	425.6	489.2	331.8	107.3	106.0	100.2	100.0	100.0
1941	LEVEL - FT	1120.2	1120.7	1121.3	1121.7	1121.6	1121.2	1121.2	1121.4	1121.4	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	300.0	358.6	409.6	304.7	214.8	214.8	214.8	214.8	870.0
1942	LEVEL - FT	1120.7	1121.3	1122.9	1123.7	1123.5	1123.0	1122.6	1122.1	1121.7	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	1262.6	1356.4	998.2	426.2	341.7	379.2	379.2	379.2	379.2	865.3
1943	LEVEL - FT	1120.7	1121.0	1122.0	1122.8	1122.6	1122.1	1121.5	1121.5	1121.3	1121.1	1121.0	1121.1
	OUTFLOW - CFS	101.4	300.0	300.0	300.0	343.7	432.8	343.4	113.9	100.0	106.9	100.0	100.0
1944	LEVEL - FT	1120.9	1120.9	1121.7	1122.6	1122.3	1121.9	1121.7	1121.5	1121.5	1121.3	1121.3	1120.8
	OUTFLOW - CFS	106.3	300.0	300.0	300.0	367.5	379.5	337.8	232.4	232.4	232.4	232.4	901.4
1945	LEVEL - FT	1120.7	1120.6	1122.7	1123.5	1123.2	1122.7	1122.3	1122.1	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	184.5	300.0	1028.8	951.7	340.4	384.5	336.1	524.8	524.8	524.8	524.8	780.4
1946	LEVEL - FT	1120.9	1120.8	1123.7	1124.5	1123.5	1123.2	1122.8	1122.2	1122.0	1121.6	1121.3	1121.3
	OUTFLOW - CFS	100.0	1370.6	1168.1	1331.5	1470.0	379.8	306.9	428.7	428.7	428.7	428.7	100.0
1947	LEVEL - FT	1121.4	1121.6	1122.3	1122.6	1122.2	1121.8	1121.5	1121.4	1121.5	1121.3	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	310.1	348.7	407.9	351.1	122.2	119.2	119.2	119.2	722.3
1948	LEVEL - FT	1119.8	1119.8	1123.0	1124.5	1123.8	1123.5	1123.5	1123.1	1122.4	1121.9	1121.3	1120.8
	OUTFLOW - CFS	1414.0	657.5	1063.7	1177.3	1468.2	1467.6	300.0	774.2	774.2	774.2	774.2	962.8
1949	LEVEL - FT	1121.0	1121.8	1123.7	1123.5	1123.4	1123.2	1122.8	1122.3	1121.9	1121.9	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	1309.0	1021.1	343.7	381.2	344.4	536.6	536.6	536.6	536.6	820.6
1950	LEVEL - FT	1120.4	1119.8	1121.7	1123.5	1123.4	1123.3	1122.8	1122.4	1122.1	1121.8	1121.3	1120.8
	OUTFLOW - CFS	901.1	1185.2	300.0	816.6	333.8	362.9	347.7	591.2	591.2	591.2	591.2	1183.6
1951	LEVEL - FT	1120.0	1120.0	1123.0	1123.5	1123.5	1123.0	1122.8	1122.4	1122.1	1121.8	1121.3	1120.8
	OUTFLOW - CFS	1426.6	1365.6	1105.1	883.2	405.0	376.2	352.7	582.5	582.5	582.5	582.5	987.6
1952	LEVEL - FT	1120.9	1121.4	1123.5	1123.5	1123.5	1123.1	1122.7	1122.2	1121.7	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	769.9	1096.8	1307.0	349.0	364.6	319.6	476.0	476.0	476.0	476.0	848.7
1953	LEVEL - FT	1120.8	1120.7	1122.1	1123.3	1123.2	1123.1	1122.6	1122.2	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	300.0	345.4	371.2	346.1	558.7	558.7	558.7	558.7	864.6
1954	LEVEL - FT	1120.8	1120.5	1122.4	1123.5	1123.5	1123.5	1123.5	1122.9	1122.5	1121.9	1121.3	1120.8
	OUTFLOW - CFS	111.3	498.1	951.9	873.9	1046.5	374.4	357.7	976.2	976.2	976.2	976.2	807.0
1955	LEVEL - FT	1120.9	1120.0	1121.0	1123.1	1123.5	1123.1	1122.8	1122.4	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	109.6	1470.0	300.0	300.0	577.9	419.3	359.4	675.2	675.2	675.2	675.2	695.9
1956	LEVEL - FT	1121.0	1120.9	1123.1	1123.6	1123.5	1123.2	1122.8	1122.4	1121.9	1121.7	1121.3	1120.8
	OUTFLOW - CFS	114.6	1465.1	1274.2	1470.0	417.5	419.3	359.4	517.4	517.4	517.4	517.4	876.9
1957	LEVEL - FT	1120.9	1121.0	1123.3	1123.5	1123.2	1123.2	1122.9	1122.4	1121.9	1121.5	1121.3	1120.8
	OUTFLOW - CFS	103.0	300.0	1219.5	686.6	360.3	395.4	362.7	634.9	634.9	634.9	634.9	1030.7

RUN 33 - 2020 DEV.

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1958	LEVEL - FT	1121.0	1120.9	1122.8	1123.2	1122.9	1122.3	1121.9	1121.7	1121.5	1121.4	1121.3	1120.8
	OUTFLOW - CFS	103.0	629.7	932.0	300.0	363.6	401.3	359.4	385.2	385.2	385.2	385.2	795.7
1959	LEVEL - FT	1120.9	1120.4	1122.6	1123.9	1123.5	1123.1	1123.2	1122.8	1122.3	1121.8	1121.3	1120.8
	OUTFLOW - CFS	101.4	1402.1	1146.6	1268.5	839.6	366.2	359.4	943.4	943.4	943.4	943.4	997.6
1960	LEVEL - FT	1120.8	1121.3	1122.8	1123.5	1123.2	1122.7	1122.4	1122.0	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	525.1	369.2	349.7	336.1	363.2	363.2	363.2	363.2	840.1
1961	LEVEL - FT	1120.9	1120.8	1123.0	1123.5	1123.3	1122.8	1122.1	1121.8	1121.5	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	636.1	370.2	366.2	344.4	220.7	220.7	220.7	220.7	886.9
1962	LEVEL - FT	1120.8	1120.2	1121.3	1122.0	1121.9	1121.6	1121.2	1121.2	1121.1	1121.0	1120.9	1120.9
	OUTFLOW - CFS	100.0	1375.6	300.0	300.0	369.2	358.0	321.2	100.0	100.0	113.5	108.1	100.0
1963	LEVEL - FT	1121.0	1121.0	1121.8	1122.0	1122.0	1121.7	1121.5	1121.2	1121.1	1121.2	1121.2	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	300.0	300.0	399.4	346.1	118.9	109.3	101.9	100.0	495.7
1964	LEVEL - FT	1120.9	1120.7	1122.0	1123.6	1123.5	1123.5	1123.4	1122.9	1122.4	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	1270.2	700.9	356.3	303.0	973.3	973.3	973.3	973.3	841.8
1965	LEVEL - FT	1120.8	1121.4	1123.2	1123.5	1123.3	1123.2	1122.9	1122.4	1122.1	1121.7	1121.3	1121.3
	OUTFLOW - CFS	111.3	300.0	405.7	1276.6	333.8	386.1	359.7	530.6	530.6	530.6	530.6	100.0
1966	LEVEL - FT	1121.3	1121.3	1122.1	1122.4	1122.3	1121.8	1121.5	1121.2	1121.2	1121.2	1121.2	1120.8
	OUTFLOW - CFS	100.0	300.0	300.0	326.6	352.6	378.1	334.5	125.5	100.0	100.0	100.0	630.8
1967	LEVEL - FT	1120.8	1120.6	1122.0	1123.5	1123.1	1122.5	1122.0	1121.8	1121.5	1121.5	1121.3	1120.8
	OUTFLOW - CFS	116.3	328.2	300.0	492.3	343.7	381.4	331.2	150.2	150.2	150.2	150.2	921.3
1968	LEVEL - FT	1121.0	1120.8	1122.7	1123.6	1123.5	1123.3	1123.1	1122.5	1122.1	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	316.6	300.0	1406.1	363.6	364.6	311.3	682.9	682.9	682.9	682.9	699.2
1969	LEVEL - FT	1121.0	1121.0	1123.0	1123.5	1123.3	1122.8	1122.6	1122.2	1121.8	1121.6	1121.3	1121.4
	OUTFLOW - CFS	100.0	1390.5	1171.4	366.6	330.4	364.8	312.9	505.3	505.3	505.3	505.3	100.0
1970	LEVEL - FT	1121.4	1121.1	1121.8	1122.0	1121.6	1121.0	1120.6	1120.3	1120.1	1120.0	1119.9	1120.0
	OUTFLOW - CFS	100.0	300.0	300.0	300.0	420.6	398.0	312.9	100.7	104.3	100.0	100.0	100.0

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Run 33 - Present Development

Okanagan River Discharges at Hydrometric Sta Near Oliver

YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	INFLOW -CFS	143.3	440.6	796.1	1577.1	309.5	336.6	304.2	461.3	439.9	437.5	445.9	673.2
1922	INFLOW -CFS	169.8	432.3	645.3	490.8	326.1	331.6	336.2	436.1	379.9	395.7	394.1	745.4
1923	INFLOW -CFS	209.6	1228.4	701.6	1474.2	308.7	326.6	310.8	443.5	408.9	434.6	399.9	189.2
1924	INFLOW -CFS	186.4	407.5	595.6	311.3	337.7	339.9	309.1	188.8	162.4	153.4	166.7	174.3
1925	INFLOW -CFS	169.9	521.8	559.2	356.0	331.0	354.8	302.5	172.2	134.3	176.6	188.3	146.1
1926	INFLOW -CFS	184.8	513.5	487.8	316.9	329.4	348.2	304.2	192.1	165.7	140.1	163.4	134.5
1927	INFLOW -CFS	145.0	424.0	549.1	499.1	309.5	323.3	418.4	472.2	480.7	480.0	440.3	934.7
1928	INFLOW -CFS	1281.8	561.6	2009.3	1617.1	1507.1	778.7	315.8	739.4	797.6	707.3	707.4	137.8
1929	INFLOW -CFS	188.1	404.1	388.4	349.4	337.7	306.7	378.6	175.5	149.2	140.1	136.9	156.0
1930	INFLOW -CFS	166.5	497.0	390.0	334.5	344.3	326.6	320.7	153.9	152.5	140.1	151.8	132.3
1931	INFLOW -CFS	173.2	424.0	464.6	304.7	312.8	353.1	314.1	158.9	155.8	151.7	136.9	137.8
1932	INFLOW -CFS	217.9	533.4	758.0	457.7	321.1	318.3	320.7	180.5	213.8	141.8	148.5	151.1
1933	INFLOW -CFS	174.8	487.0	731.5	608.5	317.0	328.3	337.9	879.3	831.4	863.8	839.0	944.7
1934	INFLOW -CFS	239.5	1835.5	1512.2	312.9	316.1	320.0	320.7	593.0	628.0	592.4	582.5	1039.5
1935	INFLOW -CFS	214.6	1568.6	772.9	507.4	1508.0	303.2	334.5	887.4	871.0	876.8	915.0	676.5
1936	INFLOW -CFS	173.2	591.4	1061.0	1138.2	300.4	331.6	317.4	405.4	375.8	409.8	365.2	1030.9
1937	INFLOW -CFS	181.4	455.5	671.8	1152.8	301.2	341.5	329.0	642.2	657.4	613.5	602.0	925.1
1938	INFLOW -CFS	193.0	893.0	748.1	362.7	316.1	339.9	336.2	333.5	310.5	321.3	331.3	137.8
1939	INFLOW -CFS	179.8	495.3	587.3	346.1	316.1	348.2	317.4	158.9	157.5	184.9	135.2	149.4
1940	INFLOW -CFS	216.2	506.9	577.3	317.9	329.4	353.1	332.3	175.5	139.2	155.0	171.7	149.4
1941	INFLOW -CFS	194.7	573.2	496.1	359.4	302.1	324.9	357.1	519.1	453.0	453.9	387.6	992.7
1942	INFLOW -CFS	158.2	571.6	1782.2	1650.3	956.6	331.6	314.1	488.5	473.7	511.1	468.1	986.1
1943	INFLOW -CFS	151.6	511.9	499.4	451.0	304.5	339.9	307.5	182.1	149.2	140.1	150.1	164.3
1944	INFLOW -CFS	138.3	434.0	547.5	475.9	311.2	311.5	349.5	361.8	368.6	357.9	427.6	1027.9
1945	INFLOW -CFS	283.0	374.3	1727.9	1318.3	355.1	328.1	366.0	604.6	603.2	610.7	627.3	868.4
1946	INFLOW -CFS	140.0	1596.8	1848.5	1632.0	1418.1	318.3	330.7	529.9	538.3	552.5	552.6	169.3
1947	INFLOW -CFS	153.3	382.6	443.1	357.7	320.3	316.7	346.1	188.3	191.8	181.1	201.0	822.0
1948	INFLOW -CFS	1478.0	887.9	1808.8	1663.5	1513.7	1277.4	405.2	866.6	921.5	856.1	939.1	1047.4
1949	INFLOW -CFS	241.1	435.6	1530.3	1060.0	366.8	381.1	399.2	606.4	603.3	614.1	592.7	885.0
1950	INFLOW -CFS	1032.7	1303.3	525.9	987.1	381.7	381.1	432.3	669.3	671.2	687.0	700.3	1271.5
1951	INFLOW -CFS	1478.0	1480.8	1546.9	1021.0	366.8	381.1	399.2	683.0	671.6	675.8	684.2	1145.6
1952	INFLOW -CFS	126.7	1040.0	1943.0	1420.2	650.4	321.5	381.0	683.9	619.5	605.4	615.5	963.2
1953	INFLOW -CFS	173.2	369.3	852.5	656.6	333.6	371.2	439.0	678.6	678.8	689.7	696.4	991.1
1954	INFLOW -CFS	183.1	686.7	1397.2	1053.1	1014.5	326.4	480.4	1119.4	1136.2	1127.2	1160.4	928.1
1955	INFLOW -CFS	148.3	1499.0	544.2	731.2	547.2	348.0	427.4	778.3	859.7	835.7	767.9	627.3
1956	INFLOW -CFS	146.6	1648.2	1991.1	1703.9	455.0	384.4	448.9	719.9	647.2	590.1	585.2	943.3
1957	INFLOW -CFS	118.5	369.3	1546.9	736.9	381.7	396.1	432.3	766.3	715.1	726.0	694.6	1110.8
1958	INFLOW -CFS	131.7	773.7	1478.4	460.4	360.1	315.0	435.7	482.9	468.2	449.2	482.4	870.1
1959	INFLOW -CFS	120.1	1510.6	1833.6	1777.9	816.3	316.5	367.7	1069.7	1043.4	1017.7	1032.7	1123.7
1960	INFLOW -CFS	181.4	424.0	779.5	708.6	312.8	301.7	371.0	438.7	442.2	446.4	478.0	926.4
1961	INFLOW -CFS	161.6	380.9	950.3	965.2	318.7	300.1	372.7	315.4	295.7	328.1	314.9	986.1
1962	INFLOW -CFS	161.6	1518.9	648.6	467.6	322.8	304.9	332.9	203.7	150.8	125.2	117.0	141.1
1963	INFLOW -CFS	145.0	372.6	572.4	374.8	340.2	303.4	339.5	199.3	189.6	215.3	205.4	777.6
1964	INFLOW -CFS	131.7	332.9	683.4	1724.8	578.5	306.5	415.1	1141.5	1125.2	1078.0	1088.0	929.7
1965	INFLOW -CFS	156.6	473.8	1081.3	1595.0	307.1	326.4	312.4	604.4	614.5	605.4	633.7	167.6
1966	INFLOW -CFS	131.7	359.4	416.5	311.3	316.1	311.7	376.0	153.1	163.3	169.1	169.2	916.5
1967	INFLOW -CFS	141.6	348.9	743.1	989.6	307.8	321.6	336.2	234.0	217.6	243.3	241.8	1050.7
1968	INFLOW -CFS	209.6	325.7	658.5	1653.6	338.6	348.0	367.7	776.8	806.8	769.6	776.3	812.4
1969	INFLOW -CFS	121.8	1578.6	1805.4	555.2	313.7	315.0	366.0	627.8	629.7	675.3	637.3	152.7
1970	INFLOW -CFS	219.6	347.8	522.6	376.5	347.6	334.9	331.2	145.7	127.6	158.3	155.1	147.7

OKANAGAN RIVER SYSTEM
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SCENARIO 1 PROJECTION TO 2020 LEVEL OF DEVELOPMENT

RUN #37 VERY SIMILAR TO RUNS #33 & ZERO SIMULATING NULL CONDITION. APART FROM NEW PROJECTIONS, MAJOR CHANGE IS IN THE
******* DIVERSION DUTY OF IRRIGATION WATER. SCENARIO 1 IS THE MEDIUM PROJECTION AND INCLUDES AN ASSUMPTION THAT THE
GOVERNMENT WILL INSTITUTE SOME FORM OF "GREENBELT" POLICY.

THE FOLLOWING DATA WERE USED

LAKE LEVEL ADJUSTED IN OCT-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

MINIMUM FLOW REQUIREMENTS - CFS 300.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHING REQUIREMENTS - CFS	MAX	1000.	1000.	0.	0.	0.	450.	500.	550.	1000.	1000.	1000.	1000.
	MIN	100.	100.	0.	0.	0.	300.	300.	100.	100.	100.	100.	100.

REGION 1 - OKANAGAN LAKE BASIN

CHANNEL CAPACITY,	0. C.F.S.
POPULATION	340100. PERSONS
DOMESTIC WATER USAGE	0.2954 AF/PERS/YR
AREA IRRIGATED	39020. ACRES
IRRIGATION WATER DIVERTED	2.36 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	17870. ACRE FT/YR

REGION 2 - PENTICTON TO SKAHA LAKE DAM

CHANNEL CAPACITY	1470. C.F.S.
POPULATION	22800. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	2630. ACRES
IRRIGATION WATER DIVERTED	2.90 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	110. ACRE FT/YR

REGION 3 - SKAHA LAKE DAM TO S.O.L.I.D. DAM

CHANNEL CAPACITY	2160. C.F.S.
POPULATION	8100. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	4970. ACRES
IRRIGATION WATER DIVERTED	5.26 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	30. ACRE FT/YR

REGION 4 - S.O.L.I.D. DAM TO OLIVER

CHANNEL CAPACITY	2720. C.F.S.
POPULATION	11200. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	420. ACRES
IRRIGATION WATER DIVERTED	5.06 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	70. ACRE FT/YR

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED

OPERATED FROM 1921-1970

(0 FT = 1119.81)

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5
-3.0 TO -2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.5 TO -2.0	4.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	4.0	2.0	2.0
-2.0 TO -1.5	0.0	4.0	4.0	0.0	0.0	2.0	0.0	2.0	2.0	2.0	2.0	0.0	1.5
-1.5 TO -1.0	2.0	0.0	0.0	0.0	2.0	0.0	4.0	2.0	2.0	2.0	2.0	2.0	1.5
-1.0 TO -0.5	0.0	0.0	2.0	2.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
-0.5 TO 0.0	4.0	0.0	2.0	0.0	4.0	0.0	2.0	0.0	2.0	4.0	6.0	4.0	2.3
0.0 TO 0.5	13.2	12.4	2.0	4.0	2.0	2.0	6.0	12.0	8.0	6.0	2.0	6.0	6.3
0.5 TO 1.0	20.8	23.2	0.0	2.0	2.0	10.0	8.4	6.4	6.6	4.8	9.0	5.0	8.2
1.0 TO 1.5	46.4	35.2	6.8	6.0	6.0	2.8	10.8	11.2	13.0	15.4	75.0	71.0	25.0
1.5 TO 2.0	7.6	18.4	5.4	0.4	4.8	12.6	7.4	16.6	38.0	56.4	0.0	6.0	14.5
2.0 TO 2.5	0.0	1.2	25.2	10.4	12.4	9.4	25.0	32.8	18.2	5.4	0.0	0.0	11.7
2.5 TO 3.0	0.0	1.6	17.8	12.0	9.4	22.6	21.8	9.2	6.2	0.0	0.0	0.0	8.4
3.0 TO 3.5	0.0	0.0	26.4	10.6	32.0	22.6	6.6	3.8	0.0	0.0	0.0	0.0	8.5
3.5 TO 4.0	0.0	0.0	6.4	42.8	22.8	8.0	4.0	0.0	0.0	0.0	0.0	0.0	7.0
4.0 TO 4.5	0.0	0.0	1.6	3.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
4.5 TO 5.0	0.0	0.0	0.4	3.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
5.0 TO 5.5	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1121.5	1122.7	1124.6	1125.1	1124.5	1123.8	1123.7	1123.2	1122.6	1122.0	1121.3	1121.4	1125.1
MEAN	1120.5	1120.6	1122.1	1122.7	1122.3	1121.8	1121.5	1121.2	1121.1	1120.9	1120.7	1120.5	1121.3
MIN	1115.7	1116.2	1118.0	1117.7	1117.3	1116.5	1116.1	1115.9	1115.8	1115.8	1115.6	1115.5	1115.5
RANGE	5.8	6.5	6.7	7.3	7.2	7.3	7.6	7.4	6.7	6.2	5.7	5.9	9.6

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PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	84.6	0.0	0.0	0.0	0.0	0.0	0.0	37.2	39.2	39.2	39.2	38.6	23.2
125 TO 150	0.8	0.2	0.0	0.0	0.0	0.0	0.0	4.6	2.6	2.6	2.6	0.0	1.1
150 TO 175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	0.0	0.7
175 TO 200	0.2	6.8	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.6
200 TO 250	0.8	27.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	2.0	4.1
250 TO 300	0.2	37.8	0.0	0.0	0.0	0.0	0.0	6.2	6.2	6.2	6.2	0.0	5.2
300 TO 500	1.0	3.6	71.0	60.8	83.2	97.8	100.0	25.0	25.0	25.0	25.0	4.0	43.4
500 TO 1000	3.6	6.8	8.2	12.8	8.2	0.2	0.0	20.0	20.0	20.0	20.0	47.4	13.9
1000 TO 1500	8.8	17.8	20.8	26.4	8.6	2.0	0.0	0.0	0.0	0.0	0.0	8.0	7.7
1500 TO 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1470.0	1464.4	1283.4	1470.0	1465.0	1423.3	351.7	999.3	999.3	999.3	999.3	1211.6	1470.0
MEAN	241.4	476.8	512.8	632.3	495.2	418.6	328.2	323.7	323.0	323.0	323.0	536.1	411.2
MIN	100.0	133.0	300.0	300.0	300.0	372.9	300.0	100.0	100.0	100.0	100.0	100.0	100.0
RANGE	1370.0	1331.4	983.4	1170.0	1165.0	1050.5	51.7	899.3	899.3	899.3	899.3	1111.6	1370.0

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	42.6	0.0	0.0	0.0	0.0	0.0	0.0	26.6	30.8	26.4	18.4	28.0	14.4
125 TO 150	34.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	9.0	11.2	21.2	10.6	7.9
150 TO 175	5.4	0.0	0.0	0.0	0.0	0.0	0.0	5.8	2.0	4.0	2.0	0.0	1.6
175 TO 200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.0	2.0	2.4	0.0	0.6
200 TO 250	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.4	2.4	3.4	0.0	1.3
250 TO 300	0.4	68.2	2.0	29.2	79.2	95.6	90.0	5.8	4.2	4.8	3.6	0.0	31.9
300 TO 500	1.0	6.2	59.2	30.0	3.2	2.2	10.0	26.0	27.6	28.6	28.8	6.0	19.1
500 TO 1000	3.8	6.8	14.2	13.4	9.0	0.2	0.0	21.8	21.8	20.4	20.0	45.4	14.7
1000 TO 1500	8.8	16.8	24.6	27.4	8.6	2.0	0.0	0.2	0.2	0.2	0.2	10.0	8.2
1500 TO 2000	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1482.0	1502.1	1467.1	1417.9	1401.7	1396.9	392.5	1015.9	1031.7	1005.8	1016.4	1243.2	1502.1
MEAN	270.9	545.6	673.7	668.3	423.1	316.1	302.8	343.5	346.4	347.3	348.9	563.6	429.2
MIN	100.0	300.0	300.0	300.0	300.0	300.0	300.0	100.0	105.9	104.9	108.8	106.7	100.0
RANGE	1382.0	1202.1	1167.1	1117.9	1101.7	1096.9	92.5	915.9	925.8	900.9	907.6	1136.5	1402.1

OKANAGAN LAKE

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 2020 LEVEL OF DEVELOPMENT

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YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.8	1120.8	1122.9	1123.5	1123.1	1122.5	1122.1	1121.8	1121.6	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	247.4	300.0	1183.2	389.8	412.6	343.4	295.6	295.6	295.6	295.6	614.5
1922	LEVEL - FT	1120.9	1120.9	1122.2	1123.2	1122.6	1122.1	1121.8	1121.7	1121.5	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	252.3	300.0	300.0	406.4	407.7	318.5	218.1	218.1	218.1	218.1	687.8
1923	LEVEL - FT	1121.0	1120.9	1122.5	1123.5	1123.3	1122.8	1122.3	1122.0	1121.8	1121.7	1121.3	1121.4
	OUTFLOW - CFS	100.0	828.8	300.0	1162.3	374.9	406.0	340.1	264.8	264.8	264.8	264.8	100.0
1924	LEVEL - FT	1121.5	1121.3	1122.3	1122.1	1121.4	1120.8	1120.2	1120.1	1120.1	1120.1	1120.1	1120.2
	OUTFLOW - CFS	100.0	265.6	300.0	366.4	418.0	419.3	346.7	100.0	100.0	100.0	100.0	100.0
1925	LEVEL - FT	1120.2	1120.6	1122.2	1122.5	1121.8	1121.0	1120.4	1120.3	1120.1	1120.1	1120.3	1120.2
	OUTFLOW - CFS	100.0	210.9	318.5	326.6	411.4	429.2	350.0	100.0	100.0	100.0	100.0	100.0
1926	LEVEL - FT	1120.2	1120.6	1121.1	1120.6	1119.9	1119.2	1118.7	1118.7	1118.6	1118.5	1118.6	1118.4
	OUTFLOW - CFS	100.0	217.5	300.0	394.6	411.4	424.2	343.4	100.0	100.0	100.0	100.0	100.0
1927	LEVEL - FT	1118.3	1118.2	1119.1	1120.1	1119.7	1119.2	1119.5	1120.1	1120.4	1120.6	1120.7	1120.7
	OUTFLOW - CFS	100.0	257.3	300.0	300.0	393.2	406.0	300.0	136.5	100.0	100.0	100.0	100.0
1928	LEVEL - FT	1120.4	1121.1	1124.6	1125.1	1124.5	1123.5	1123.1	1122.5	1122.5	1121.7	1121.3	1121.1
	OUTFLOW - CFS	854.9	191.0	1067.9	1350.0	1433.5	927.9	335.1	618.7	618.7	618.7	618.7	100.0
1929	LEVEL - FT	1121.2	1121.0	1121.0	1121.2	1120.6	1120.2	1120.3	1120.1	1119.9	1119.7	1119.6	1119.6
	OUTFLOW - CFS	100.0	265.6	300.0	329.9	413.1	387.8	300.0	100.0	100.0	100.0	100.0	100.0
1930	LEVEL - FT	1119.6	1119.9	1119.9	1120.0	1119.4	1118.9	1118.5	1118.2	1118.2	1117.9	1117.8	1117.7
	OUTFLOW - CFS	100.0	225.8	300.0	343.2	408.1	406.0	330.1	100.0	100.0	100.0	100.0	100.0
1931	LEVEL - FT	1117.7	1117.6	1118.0	1117.7	1117.3	1116.5	1116.1	1115.9	1115.8	1115.8	1115.6	1115.5
	OUTFLOW - CFS	100.0	259.0	300.0	369.7	394.8	430.9	336.7	100.0	100.0	100.0	100.0	100.0
1932	LEVEL - FT	1115.7	1116.2	1118.1	1118.9	1118.5	1118.0	1117.7	1117.5	1117.7	1117.6	1117.6	1117.5
	OUTFLOW - CFS	100.0	205.9	300.0	300.0	398.1	396.1	330.1	100.0	100.0	100.0	100.0	100.0
1933	LEVEL - FT	1117.6	1117.9	1119.6	1121.2	1121.1	1120.6	1120.4	1120.6	1120.7	1121.0	1121.3	1120.8
	OUTFLOW - CFS	100.0	225.8	300.0	300.0	356.7	412.6	311.9	100.0	100.0	100.0	100.0	809.5
1934	LEVEL - FT	1121.2	1122.7	1123.3	1123.1	1122.7	1122.2	1121.9	1121.5	1121.5	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	1230.7	1068.7	364.7	391.5	399.4	328.5	392.8	392.8	392.8	392.8	941.1
1935	LEVEL - FT	1121.1	1120.3	1122.2	1123.3	1123.5	1123.3	1123.1	1122.5	1122.0	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	1428.0	300.0	300.0	1077.2	377.8	320.2	733.9	733.9	733.9	733.9	617.9
1936	LEVEL - FT	1120.9	1121.7	1123.3	1123.5	1123.2	1122.6	1122.2	1121.9	1121.5	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	179.4	568.6	963.9	384.9	409.3	331.8	232.6	232.6	232.6	232.6	952.3
1937	LEVEL - FT	1120.9	1121.0	1122.4	1123.5	1123.2	1122.5	1122.2	1121.9	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	242.4	300.0	733.8	386.5	417.6	326.8	458.4	458.4	458.4	458.4	853.2

1938	LEVEL - FT	1120.9	1121.2	1123.0	1123.3	1122.8	1122.1	1121.9	1121.6	1121.3	1121.3	1121.3	1121.2
	OUTFLOW - CFS	100.0	458.3	300.0	323.3	399.8	416.0	320.2	174.0	174.0	174.0	174.0	100.0
1939	LEVEL - FT	1121.2	1121.5	1122.5	1122.7	1122.2	1121.5	1121.0	1120.8	1120.7	1120.8	1120.7	1120.6
	OUTFLOW - CFS	100.0	225.8	300.0	329.9	394.8	425.9	333.4	100.0	100.0	100.0	100.0	100.0
1940	LEVEL - FT	1120.9	1121.2	1122.1	1121.9	1121.3	1120.5	1120.1	1119.9	1119.8	1119.7	1119.8	1119.7
	OUTFLOW - CFS	100.0	220.8	300.0	363.1	411.4	427.6	326.8	100.0	100.0	100.0	100.0	100.0
1941	LEVEL - FT	1119.8	1120.5	1121.0	1121.3	1121.0	1120.4	1120.5	1120.8	1120.9	1121.1	1121.0	1120.8
	OUTFLOW - CFS	100.0	187.7	300.0	321.6	383.2	404.4	300.0	100.0	100.0	100.0	100.0	452.3
1942	LEVEL - FT	1120.8	1121.4	1122.9	1123.7	1123.5	1122.9	1122.4	1122.0	1121.7	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	187.7	1237.0	1318.5	811.4	407.7	336.7	365.6	365.6	365.6	365.6	892.7
1943	LEVEL - FT	1120.7	1121.1	1122.0	1122.7	1122.4	1121.7	1121.2	1121.2	1121.0	1120.8	1120.8	1120.9
	OUTFLOW - CFS	100.0	217.5	300.0	300.0	368.3	397.7	338.4	100.0	100.0	100.0	100.0	100.0
1944	LEVEL - FT	1120.7	1120.8	1121.5	1122.3	1121.9	1121.3	1121.0	1121.0	1121.1	1121.1	1121.2	1120.8
	OUTFLOW - CFS	100.0	260.6	300.0	300.0	389.8	402.7	331.8	100.0	100.0	100.0	100.0	732.2
1945	LEVEL - FT	1120.8	1120.7	1122.8	1123.5	1123.1	1122.5	1122.0	1121.9	1121.6	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	263.9	1042.9	864.1	365.0	407.7	328.5	453.0	453.0	453.0	453.0	808.5
1946	LEVEL - FT	1120.9	1120.8	1123.7	1124.4	1123.5	1123.0	1122.6	1122.1	1121.9	1121.6	1121.3	1121.3
	OUTFLOW - CFS	100.0	1360.0	1142.5	1293.7	1213.6	387.8	301.9	400.4	400.4	400.4	400.4	100.0
1947	LEVEL - FT	1121.5	1121.7	1122.3	1122.4	1122.0	1121.4	1121.1	1121.1	1121.1	1121.0	1121.0	1120.8
	OUTFLOW - CFS	100.0	273.9	300.0	339.9	373.3	419.3	345.0	100.0	100.0	100.0	100.0	384.4
1948	LEVEL - FT	1119.8	1119.8	1123.0	1124.4	1123.6	1123.5	1123.4	1123.0	1122.4	1121.9	1121.3	1120.8
	OUTFLOW - CFS	1433.3	685.3	1038.1	1139.5	1426.9	1036.6	300.0	786.1	786.1	786.1	786.1	991.2
1949	LEVEL - FT	1121.0	1121.9	1123.8	1123.5	1123.3	1122.9	1122.5	1122.1	1121.8	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	184.4	1283.4	968.9	368.3	404.4	335.1	465.1	465.1	465.1	465.1	848.6
1950	LEVEL - FT	1120.5	1119.8	1121.6	1123.5	1123.3	1123.0	1122.5	1122.2	1121.9	1121.7	1121.3	1120.8
	OUTFLOW - CFS	752.8	1380.7	300.0	575.7	358.4	386.1	335.1	520.6	520.6	520.6	520.6	1211.3
1951	LEVEL - FT	1120.0	1120.1	1123.0	1123.5	1123.4	1122.7	1122.5	1122.2	1121.9	1121.7	1121.3	1120.8
	OUTFLOW - CFS	1416.5	1355.0	1079.5	735.9	419.7	399.4	343.4	513.5	513.5	513.5	513.5	1015.7
1952	LEVEL - FT	1120.9	1121.5	1123.6	1123.5	1123.4	1122.8	1122.5	1122.0	1121.6	1121.3	1121.3	1120.8
	OUTFLOW - CFS	100.0	648.1	1071.2	1260.6	300.0	387.8	310.2	423.0	423.0	423.0	423.0	876.4
1953	LEVEL - FT	1120.8	1120.8	1122.1	1123.2	1123.0	1122.7	1122.2	1121.9	1121.7	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	260.6	300.0	300.0	370.0	394.4	333.4	449.7	449.7	449.7	449.7	893.0
1954	LEVEL - FT	1120.9	1120.6	1122.4	1123.5	1123.5	1123.4	1123.4	1122.8	1122.5	1121.9	1121.3	1120.8
	OUTFLOW - CFS	100.0	387.9	967.4	786.3	877.3	382.8	341.7	958.6	958.6	958.6	958.6	835.3
1955	LEVEL - FT	1120.9	1120.0	1121.0	1123.0	1123.4	1122.8	1122.5	1122.1	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	1464.4	300.0	300.0	432.9	442.5	346.7	602.4	602.4	602.4	602.4	724.3
1956	LEVEL - FT	1121.0	1120.9	1123.1	1123.5	1123.3	1122.8	1122.4	1122.1	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	1454.5	1248.6	1435.7	437.9	442.5	346.7	420.7	420.7	420.7	420.7	905.0
1957	LEVEL - FT	1120.9	1121.0	1123.4	1123.5	1123.1	1122.9	1122.6	1122.2	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	240.7	1193.9	580.9	384.9	417.6	350.0	564.6	564.6	564.6	564.6	1058.8
1958	LEVEL - FT	1121.0	1121.1	1122.8	1123.1	1122.7	1122.0	1121.6	1121.5	1121.3	1121.3	1121.3	1120.8
	OUTFLOW - CFS	100.0	511.4	947.5	316.7	388.2	416.0	346.7	290.6	290.6	290.6	290.6	823.4
1959	LEVEL - FT	1121.0	1120.4	1122.6	1123.8	1123.5	1122.9	1123.1	1122.7	1122.3	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	1391.5	1099.4	1230.7	573.6	389.4	351.7	920.1	920.1	920.1	920.1	1026.0
1960	LEVEL - FT	1120.8	1121.3	1122.8	1123.5	1123.0	1122.4	1122.2	1121.8	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	260.6	300.0	371.0	388.2	372.9	328.5	292.7	292.7	292.7	292.7	868.2
1961	LEVEL - FT	1120.9	1120.9	1123.0	1123.5	1123.1	1122.5	1121.8	1121.6	1121.3	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	265.6	300.0	477.3	394.8	389.4	336.7	148.8	148.8	148.8	148.8	914.6
1962	LEVEL - FT	1120.8	1120.3	1121.2	1121.9	1121.6	1121.2	1120.7	1120.8	1120.8	1120.7	1120.6	1120.6
	OUTFLOW - CFS	100.0	1365.0	300.0	300.0	368.3	381.2	315.2	100.0	100.0	100.0	100.0	100.0
1963	LEVEL - FT	1120.7	1120.8	1121.5	1121.6	1121.5	1121.1	1120.8	1120.5	1120.5	1120.6	1120.6	1120.5
	OUTFLOW - CFS	100.0	257.3	300.0	300.0	316.9	422.6	340.1	100.0	100.0	100.0	100.0	100.0
1964	LEVEL - FT	1120.6	1120.5	1121.8	1123.5	1123.5	1123.3	1123.3	1122.8	1122.4	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	277.2	300.0	804.4	451.3	379.5	300.0	948.7	948.7	948.7	948.7	869.5
1965	LEVEL - FT	1120.8	1121.5	1123.2	1123.5	1123.2	1122.9	1122.6	1122.2	1122.0	1121.6	1121.3	1121.3
	OUTFLOW - CFS	100.0	257.3	354.1	1188.6	358.4	409.3	333.4	463.3	463.3	463.3	463.3	100.0
1966	LEVEL - FT	1121.3	1121.4	1122.1	1122.3	1122.1	1121.5	1121.1	1120.8	1120.8	1120.9	1120.9	1120.8
	OUTFLOW - CFS	100.0	268.9	300.0	356.5	365.0	399.4	326.8	100.0	100.0	100.0	100.0	246.8
1967	LEVEL - FT	1120.8	1120.7	1122.0	1123.5	1123.0	1122.2	1121.8	1121.6	1121.4	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.9	307.0	300.0	335.2	368.3	382.8	325.1	100.0	100.0	100.0	100.0	883.3
1968	LEVEL - FT	1121.0	1120.9	1122.7	1123.5	1123.2	1122.9	1122.7	1122.2	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	297.1	300.0	1368.3	388.2	387.8	303.6	577.1	577.1	577.1	577.1	727.3
1969	LEVEL - FT	1121.0	1121.0	1123.0	1123.4	1123.1	1122.5	1122.2	1121.9	1121.7	1121.5	1121.3	1121.4
	OUTFLOW - CFS	100.0	1379.9	1145.8	300.0	355.0	379.5	305.3	412.9	412.9	412.9	412.9	100.0
1970	LEVEL - FT	1121.4	1121.2	1121.8	1121.9	1121.4	1120.7	1120.3	1120.0	1119.9	1119.8	1119.7	1119.9
	OUTFLOW - CFS	100.0	270.6	300.0	300.0	370.0	372.9	301.9	100.0	100.0	100.0	100.0	100.0

OKANAGAN RIVER SYSTEM
****

663

SCENARIO 3 PROJECTION TO 2020 LEVEL OF DEVELOPMENT

RUN #37
******* SCENARIO #3 ASSUMES LOW ECONOMIC GROWTH RATE WITH GOVERNMENT GREEN BELT POLICY

THE FOLLOWING DATA WERE USED

LAKE LEVEL ADJUSTED IN OCT-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

MINIMUM FLOW REQUIREMENTS - CFS 300.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHING REQUIREMENTS - CFS	MAX	1000.	1000.	0.	0.	0.	450.	500.	550.	1000.	1000.	1000.	1000.
	MIN	100.	100.	0.	0.	0.	300.	300.	100.	100.	100.	100.	100.

REGION 1 - OKANAGAN LAKE BASIN

CHANNEL CAPACITY	0. C.F.S.
POPULATION	252600. PERSONS
DOMESTIC WATER USAGE	0.2954 AF/PERS/YR
AREA IRRIGATED	39020. ACRES
IRRIGATION WATER DIVERTED	2.36 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	13260. ACRE FT/YR

REGION 2 - PENTICTON TO SKAHA LAKE DAM

CHANNEL CAPACITY	1470. C.F.S.
POPULATION	16900. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	2600. ACRES
IRRIGATION WATER DIVERTED	2.90 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	70. ACRE FT/YR

REGION 3 - SKAHA LAKE DAM TO S.O.L.I.D. DAM

CHANNEL CAPACITY	2160. C.F.S.
POPULATION	6500. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	4910. ACRES
IRRIGATION WATER DIVERTED	5.26 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	20. ACRE FT/YR

REGION 4 - S.O.L.I.D. DAM TO OLIVER

CHANNEL CAPACITY	2720. C.F.S.
POPULATION	8400. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	820. ACRES
IRRIGATION WATER DIVERTED	5.06 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	50. ACRE FT/YR

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED

664

OPERATED FROM 1921-1970

(0 FT = 1119.8)

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	1.3
-3.0 TO -2.5	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
-2.5 TO -2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
-2.0 TO -1.5	2.0	2.0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	4.0	4.0	4.0	1.7
-1.5 TO -1.0	2.0	4.0	4.0	0.0	0.0	2.0	2.0	2.0	4.0	0.0	0.0	0.0	1.7
-1.0 TO -0.5	2.0	0.0	0.0	0.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	1.7
-0.5 TO 0.0	0.0	0.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
0.0 TO 0.5	13.2	12.6	2.0	2.0	0.0	2.0	2.2	8.0	8.0	8.0	6.0	6.0	5.8
0.5 TO 1.0	20.8	13.8	2.0	2.0	6.0	4.2	10.0	2.0	2.0	2.0	4.6	4.6	6.2
1.0 TO 1.5	48.4	42.6	3.2	2.0	0.4	5.8	11.2	15.2	13.8	16.0	81.4	75.4	26.3
1.5 TO 2.0	9.6	19.8	7.2	4.0	8.4	13.4	8.8	13.6	34.4	58.6	0.0	6.0	15.3
2.0 TO 2.5	0.0	1.6	21.4	8.8	11.8	11.2	20.4	38.8	27.4	7.4	0.0	0.0	12.4
2.5 TO 3.0	0.0	1.6	22.8	14.4	11.8	20.6	27.4	8.6	6.4	0.0	0.0	0.0	9.5
3.0 TO 3.5	0.0	0.0	27.2	12.2	28.0	26.6	6.2	5.6	0.0	0.0	0.0	0.0	8.8
3.5 TO 4.0	0.0	0.0	5.6	41.0	26.8	8.0	5.8	0.2	0.0	0.0	0.0	0.0	7.3
4.0 TO 4.5	0.0	0.0	2.2	5.2	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.7
4.5 TO 5.0	0.0	0.0	0.4	3.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
5.0 TO 5.5	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1121.5	1122.8	1124.6	1125.1	1124.6	1123.8	1123.8	1123.3	1122.6	1122.0	1121.3	1121.4	1125.1
MEAN	1120.5	1120.7	1122.2	1122.8	1122.5	1122.0	1121.7	1121.4	1121.2	1121.0	1120.8	1120.5	1121.4
MIN	1116.3	1116.8	1118.4	1118.1	1117.8	1117.0	1116.6	1116.4	1116.3	1116.3	1116.1	1116.0	1116.0
RANGE	5.3	6.0	6.3	6.9	6.8	6.9	7.2	6.9	6.3	5.7	5.2	5.4	9.1

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

66.

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	83.6	0.0	0.0	0.0	0.0	0.0	0.0	29.6	29.6	29.6	29.6	36.0	19.8
125 TO 150	0.4	0.2	0.0	0.0	0.0	0.0	0.0	2.4	2.4	2.4	2.4	0.0	0.8
150 TO 175	0.4	0.0	0.0	0.0	0.0	0.0	0.0	5.6	5.6	5.6	5.6	0.0	1.9
175 TO 200	0.2	6.4	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	0.2	1.3
200 TO 250	0.6	26.8	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	0.4	3.0
250 TO 300	0.4	37.8	0.0	0.0	0.0	0.0	0.0	5.0	5.0	5.0	5.0	0.0	4.8
300 TO 500	1.8	3.2	70.4	59.0	81.6	97.6	100.0	27.6	27.6	27.6	27.6	2.0	43.8
500 TO 1000	3.2	7.4	8.2	13.4	9.0	0.2	0.0	25.2	25.2	25.2	25.2	53.4	16.3
1000 TO 1500	9.4	18.2	21.4	27.6	9.4	2.2	0.0	0.2	0.2	0.2	0.2	8.0	8.1
1500 TO 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1470.0	1464.0	1282.0	1470.0	1462.4	1420.5	350.6	1057.5	1057.5	1057.5	1057.5	1217.4	1470.0
MEAN	249.7	481.6	518.7	647.6	505.2	417.9	327.3	356.6	356.6	356.6	356.6	581.1	429.6
MIN	100.0	132.4	300.0	300.0	300.0	368.6	300.0	100.0	100.0	100.0	100.0	100.0	100.0
RANGE	1370.0	1331.5	982.0	1170.0	1162.4	1051.9	50.6	957.5	957.5	957.5	957.5	1117.4	1370.0

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	41.6	0.0	0.0	0.0	0.0	0.0	0.0	21.0	25.0	21.0	15.0	26.0	12.5
125 TO 150	34.2	0.0	0.0	0.0	0.0	0.0	0.0	10.2	4.8	8.6	12.6	10.0	6.7
150 TO 175	4.8	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.8	2.0	6.0	0.0	1.4
175 TO 200	0.2	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.4	4.4	2.6	0.0	1.3
200 TO 250	4.4	0.0	0.0	0.0	0.0	0.0	0.0	2.6	6.0	5.6	5.8	0.4	2.1
250 TO 300	0.2	72.2	2.0	28.0	78.6	97.6	90.0	3.6	3.6	2.8	3.6	0.2	31.9
300 TO 500	1.8	1.8	59.0	29.2	3.0	0.0	10.0	25.0	24.2	25.2	23.6	0.0	16.9
500 TO 1000	3.0	7.2	13.8	11.8	9.4	0.4	0.0	29.2	28.4	30.2	26.8	53.4	17.8
1000 TO 1500	9.8	16.8	25.2	31.0	9.0	2.0	0.0	1.8	1.8	0.2	4.0	10.0	9.3
1500 TO 2000	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1482.1	1502.2	1468.1	1419.4	1403.2	1398.3	393.6	1074.5	1090.1	1064.4	1075.0	1249.0	1502.2
MEAN	279.7	551.0	682.0	687.3	437.1	319.6	302.9	376.8	380.1	381.2	382.9	608.7	449.1
MIN	100.0	300.0	300.0	300.0	300.0	300.0	300.0	100.2	106.0	105.2	109.2	106.7	100.0
RANGE	1382.1	1202.2	1168.1	1119.4	1103.2	1098.3	93.6	974.3	984.1	959.2	965.8	1142.2	1402.2

OKANAGAN LAKE

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 2020 LEVEL OF DEVELOPMENT

66.

YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.8	1120.8	1122.9	1123.5	1123.2	1122.6	1122.1	1121.8	1121.6	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	246.8	300.0	1263.9	385.8	408.4	342.3	333.0	333.0	333.0	333.0	620.3
1922	LEVEL - FT	1120.9	1120.9	1122.2	1123.3	1122.7	1122.2	1122.0	1121.8	1121.6	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	251.8	300.0	300.0	402.3	403.5	317.5	275.6	275.6	275.6	275.6	693.6
1923	LEVEL - FT	1121.0	1120.8	1122.4	1123.5	1123.3	1122.8	1122.4	1122.1	1121.8	1121.7	1121.3	1121.4
	OUTFLOW - CFS	100.0	905.8	300.0	1165.3	370.8	401.8	339.0	302.4	302.4	302.4	302.4	100.0
1924	LEVEL - FT	1121.5	1121.4	1122.4	1122.2	1121.5	1120.9	1120.4	1120.3	1120.3	1120.3	1120.3	1120.4
	OUTFLOW - CFS	100.0	265.0	300.0	362.6	413.9	415.1	345.6	100.0	100.0	100.0	100.0	100.0
1925	LEVEL - FT	1120.4	1120.8	1122.4	1122.7	1122.1	1121.3	1120.8	1120.6	1120.4	1120.5	1120.7	1120.5
	OUTFLOW - CFS	100.0	210.3	316.1	322.8	407.3	425.0	349.0	100.0	100.0	100.0	100.0	100.0
1926	LEVEL - FT	1120.6	1121.0	1121.5	1121.0	1120.4	1119.7	1119.2	1119.2	1119.1	1119.0	1119.1	1118.9
	OUTFLOW - CFS	100.0	217.0	300.0	390.8	407.3	420.0	342.3	100.0	100.0	100.0	100.0	100.0
1927	LEVEL - FT	1118.8	1118.8	1119.6	1120.7	1120.3	1119.8	1120.2	1120.8	1121.0	1121.2	1121.3	1120.8
	OUTFLOW - CFS	100.0	256.7	300.0	300.0	389.1	401.8	300.0	136.4	136.4	136.4	136.4	854.0
1928	LEVEL - FT	1120.3	1121.0	1124.6	1125.1	1124.6	1123.5	1123.1	1122.5	1122.5	1121.8	1121.3	1121.1
	OUTFLOW - CFS	1036.4	190.4	1066.5	1347.7	1430.9	1018.8	334.0	633.2	633.2	633.2	633.2	100.0
1929	LEVEL - FT	1121.2	1121.1	1121.1	1121.3	1120.7	1120.4	1120.5	1120.3	1120.1	1119.9	1119.8	1119.8
	OUTFLOW - CFS	100.0	265.0	300.0	326.1	409.0	383.6	300.0	100.0	100.0	100.0	100.0	100.0
1930	LEVEL - FT	1119.8	1120.1	1120.1	1120.2	1119.7	1119.2	1118.8	1118.5	1118.5	1118.2	1118.2	1118.1
	OUTFLOW - CFS	100.0	225.3	300.0	339.4	404.0	401.8	329.1	100.0	100.0	100.0	100.0	100.0
1931	LEVEL - FT	1118.1	1118.0	1118.4	1118.1	1117.8	1117.0	1116.6	1116.4	1116.3	1116.3	1116.1	1116.0
	OUTFLOW - CFS	100.0	258.4	300.0	365.9	390.7	426.7	335.7	100.0	100.0	100.0	100.0	100.0
1932	LEVEL - FT	1116.3	1116.8	1118.6	1119.5	1119.1	1118.7	1118.3	1118.1	1118.3	1118.3	1118.2	1118.2
	OUTFLOW - CFS	100.0	205.4	300.0	300.0	394.0	391.9	329.1	100.0	100.0	100.0	100.0	100.0
1933	LEVEL - FT	1118.3	1118.6	1120.3	1122.0	1121.9	1121.4	1121.3	1121.2	1121.1	1121.3	1121.3	1120.8
	OUTFLOW - CFS	100.0	225.3	300.0	300.0	352.6	408.4	310.8	386.4	386.4	386.4	386.4	862.0
1934	LEVEL - FT	1121.2	1122.8	1123.3	1123.1	1122.7	1122.3	1122.0	1121.6	1121.6	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	1230.2	1115.1	361.0	387.4	395.2	327.4	439.8	439.8	439.8	439.8	947.2
1935	LEVEL - FT	1121.1	1120.3	1122.2	1123.4	1123.5	1123.4	1123.1	1122.5	1122.0	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	1427.5	300.0	300.0	1198.3	373.6	319.1	760.4	760.4	760.4	760.4	624.0
1936	LEVEL - FT	1120.9	1121.7	1123.3	1123.5	1123.2	1122.7	1122.3	1122.0	1121.6	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	178.8	620.1	993.5	380.8	405.1	330.7	270.0	270.0	270.0	270.0	958.5
1937	LEVEL - FT	1120.9	1121.0	1122.4	1123.5	1123.2	1122.6	1122.3	1121.9	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	241.8	300.0	814.9	382.4	413.4	325.8	495.8	495.8	495.8	495.8	859.4

1938	LEVEL - FT	1120.9	1121.2	1123.0	1123.3	1122.8	1122.2	1121.9	1121.7	1121.4	1121.3	1121.3	1121.2
	OUTFLOW - CFS	100.0	535.3	300.0	319.5	395.7	411.7	319.1	213.1	213.1	213.1	213.1	100.0
1939	LEVEL - FT	1121.2	1121.5	1122.5	1122.7	1122.3	1121.6	1121.2	1120.9	1120.9	1120.9	1120.9	1120.8
	OUTFLOW - CFS	100.0	225.3	300.0	326.1	390.7	421.7	332.4	100.0	100.0	100.0	100.0	100.0
1940	LEVEL - FT	1121.0	1121.4	1122.3	1122.1	1121.5	1120.8	1120.5	1120.3	1120.1	1120.1	1120.1	1120.1
	OUTFLOW - CFS	100.0	220.3	300.0	359.3	407.3	423.3	325.8	100.0	100.0	100.0	100.0	100.0
1941	LEVEL - FT	1120.1	1120.8	1121.4	1121.7	1121.4	1120.9	1121.0	1121.2	1121.3	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	187.1	300.0	317.9	379.1	400.1	300.0	168.3	168.3	168.3	168.3	903.8
1942	LEVEL - FT	1120.8	1121.4	1122.9	1123.7	1123.5	1122.9	1122.5	1122.0	1121.7	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	187.1	1235.5	1316.2	935.8	403.5	335.7	392.0	392.0	392.0	392.0	898.8
1943	LEVEL - FT	1120.8	1121.1	1122.0	1122.8	1122.5	1121.9	1121.3	1121.3	1121.2	1121.0	1120.9	1121.0
	OUTFLOW - CFS	100.0	217.0	300.0	300.0	364.2	393.5	337.4	100.0	100.0	100.0	100.0	100.0
1944	LEVEL - FT	1120.9	1120.9	1121.7	1122.5	1122.1	1121.6	1121.3	1121.3	1121.3	1121.3	1121.3	1120.8
	OUTFLOW - CFS	100.0	260.1	300.0	300.0	385.8	398.5	330.7	167.2	167.2	167.2	167.2	935.6
1945	LEVEL - FT	1120.8	1120.7	1122.7	1123.5	1123.1	1122.5	1122.1	1122.0	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	115.8	263.4	1092.7	879.8	360.9	403.5	327.4	490.5	490.5	490.5	490.5	814.3
1946	LEVEL - FT	1120.9	1120.9	1123.7	1124.5	1123.5	1123.1	1122.6	1122.2	1122.0	1121.6	1121.3	1121.3
	OUTFLOW - CFS	100.0	1359.5	1141.1	1291.4	1338.1	383.6	300.9	426.8	426.8	426.8	426.8	100.0
1947	LEVEL - FT	1121.5	1121.7	1122.3	1122.5	1122.1	1121.5	1121.2	1121.2	1121.3	1121.2	1121.2	1120.8
	OUTFLOW - CFS	100.0	273.3	300.0	336.1	369.2	415.1	344.0	100.0	100.0	100.0	100.0	630.1
1948	LEVEL - FT	1119.8	1119.8	1123.0	1124.4	1123.7	1123.5	1123.4	1123.0	1122.4	1121.9	1121.3	1120.8
	OUTFLOW - CFS	1443.3	696.9	1036.6	1137.2	1424.3	1184.8	300.0	800.4	800.4	800.4	800.4	996.9
1949	LEVEL - FT	1121.0	1121.9	1123.8	1123.5	1123.3	1123.0	1122.6	1122.2	1121.8	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	183.8	1282.0	1051.0	364.2	400.1	334.0	502.6	502.6	502.6	502.6	854.0
1950	LEVEL - FT	1120.4	1119.8	1121.7	1123.5	1123.3	1123.0	1122.6	1122.2	1122.0	1121.8	1121.3	1120.8
	OUTFLOW - CFS	832.4	1322.8	300.0	634.3	354.3	381.9	334.0	558.0	558.0	558.0	558.0	1217.0
1951	LEVEL - FT	1120.0	1120.1	1123.0	1123.5	1123.4	1122.8	1122.6	1122.3	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	1416.2	1354.6	1078.1	818.4	415.6	395.2	342.3	551.0	551.0	551.0	551.0	1021.8
1952	LEVEL - FT	1120.9	1121.5	1123.6	1123.5	1123.4	1122.9	1122.5	1122.1	1121.7	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	725.8	1069.8	1264.7	300.0	383.6	309.2	459.3	459.3	459.3	459.3	882.2
1953	LEVEL - FT	1120.8	1120.8	1122.1	1123.3	1123.1	1122.9	1122.4	1122.0	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	260.1	300.0	300.0	365.9	390.2	332.4	507.2	507.2	507.2	507.2	898.8
1954	LEVEL - FT	1120.9	1120.6	1122.4	1123.5	1123.5	1123.4	1123.4	1122.8	1122.5	1121.9	1121.3	1120.8
	OUTFLOW - CFS	100.0	464.9	954.5	802.3	917.3	378.6	340.7	985.0	985.0	985.0	985.0	840.8
1955	LEVEL - FT	1120.9	1120.1	1121.0	1123.1	1123.4	1122.9	1122.7	1122.3	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	1464.0	300.0	300.0	428.9	438.3	345.6	660.0	660.0	660.0	660.0	729.7
1956	LEVEL - FT	1121.0	1120.9	1123.1	1123.5	1123.3	1122.9	1122.5	1122.2	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	1454.0	1247.1	1458.8	433.8	438.3	345.6	472.9	472.9	472.9	472.9	910.7
1957	LEVEL - FT	1120.9	1121.1	1123.4	1123.5	1123.1	1122.9	1122.7	1122.2	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	238.5	1192.4	664.7	380.8	413.4	349.0	602.0	602.0	602.0	602.0	1064.5
1958	LEVEL - FT	1121.0	1121.0	1122.8	1123.1	1122.7	1122.0	1121.7	1121.5	1121.4	1121.3	1121.3	1120.8
	OUTFLOW - CFS	100.0	588.7	934.6	312.9	384.1	411.7	345.6	332.9	332.9	332.9	332.9	829.2
1959	LEVEL - FT	1121.0	1120.4	1122.6	1123.9	1123.5	1123.0	1123.1	1122.7	1122.3	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	1391.0	1119.5	1228.4	676.7	385.2	350.6	946.5	946.5	946.5	946.5	1031.4
1960	LEVEL - FT	1120.8	1121.3	1122.8	1123.5	1123.1	1122.5	1122.2	1121.9	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	260.1	300.0	451.8	384.1	368.6	327.4	330.1	330.1	330.1	330.1	873.9
1961	LEVEL - FT	1120.9	1120.9	1123.0	1123.5	1123.2	1122.6	1121.9	1121.6	1121.4	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	265.0	300.0	557.7	390.7	385.2	335.7	186.3	186.3	186.3	186.3	920.3
1962	LEVEL - FT	1120.8	1120.3	1121.3	1122.0	1121.7	1121.3	1120.9	1121.0	1120.9	1120.8	1120.8	1120.7
	OUTFLOW - CFS	100.0	1364.5	300.0	300.0	364.2	376.9	314.2	100.0	100.0	100.0	100.0	100.0
1963	LEVEL - FT	1120.9	1120.9	1121.7	1121.9	1121.8	1121.3	1121.1	1120.8	1120.9	1120.9	1120.9	1120.8
	OUTFLOW - CFS	100.0	256.7	300.0	300.0	312.8	418.4	339.0	100.0	100.0	100.0	100.0	196.6
1964	LEVEL - FT	1120.9	1120.8	1122.1	1123.5	1123.5	1123.3	1123.3	1122.9	1122.4	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	275.0	300.0	1230.1	523.7	375.3	300.0	974.9	974.9	974.9	974.9	875.6
1965	LEVEL - FT	1120.8	1121.5	1123.2	1123.5	1123.2	1122.9	1122.6	1122.3	1122.0	1121.7	1121.3	1121.3
	OUTFLOW - CFS	100.0	256.7	418.6	1204.6	354.3	405.1	332.4	500.9	500.9	500.9	500.9	100.0
1966	LEVEL - FT	1121.3	1121.4	1122.2	1122.3	1122.1	1121.6	1121.3	1121.0	1121.0	1121.1	1121.1	1120.8
	OUTFLOW - CFS	100.0	268.3	300.0	352.7	360.9	395.2	325.8	100.0	100.0	100.0	100.0	493.2
1967	LEVEL - FT	1120.8	1120.7	1122.0	1123.5	1123.0	1122.3	1121.8	1121.6	1121.4	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.4	306.5	300.0	416.6	364.2	378.6	324.1	120.9	120.9	120.9	120.9	955.1
1968	LEVEL - FT	1121.0	1120.9	1122.7	1123.6	1123.3	1123.1	1122.9	1122.4	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	296.5	300.0	1366.0	384.1	383.6	302.6	635.3	635.3	635.3	635.3	733.4
1969	LEVEL - FT	1121.0	1121.0	1123.1	1123.5	1123.2	1122.6	1122.4	1122.0	1121.7	1121.6	1121.3	1121.4
	OUTFLOW - CFS	100.0	1379.4	1144.4	300.0	350.9	375.3	304.2	470.9	470.9	470.9	470.9	100.0
1970	LEVEL - FT	1121.4	1121.2	1121.8	1122.0	1121.5	1120.8	1120.4	1120.2	1120.1	1120.0	1119.9	1120.0
	OUTFLOW - CFS	100.0	270.0	300.0	300.0	365.9	368.6	300.9	100.0	100.0	100.0	100.0	100.0

OKANAGAN RIVER SYSTEM
****

SCENARIO 4 PROJECTION TO 2020 LEVEL OF DEVELOPMENT

RUN #37
******* SCENARIO #4 EXACTLY AS SCENARIO #1 EXCEPT THAT AN ADDITIONAL 13700 ACRES OF INDIAN LAND ARE ASSUMED TO BE UNDER IRRIGATION

THE FOLLOWING DATA WERE USED

LAKE LEVEL ADJUSTED IN OCT-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

MINIMUM FLOW REQUIREMENTS - CFS 300.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHING REQUIREMENTS - CFS	MAX	1000.	1000.	0.	0.	0.	450.	500.	550.	1000.	1000.	1000.	1000.
	MIN	100.	100.	0.	0.	0.	300.	300.	100.	100.	100.	100.	100.

REGION 1 - OKANAGAN LAKE BASIN

CHANNEL CAPACITY	0. C.F.S.
POPULATION	340100. PERSONS
DOMESTIC WATER USAGE	0.2954 AF/PERS/YR
AREA IRRIGATED	47420. ACRES
IRRIGATION WATER DIVERTED	2.36 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	17870. ACRE FT/YR

REGION 2 - PENTICTON TO SKAHA LAKE DAM

CHANNEL CAPACITY	1470. C.F.S.
POPULATION	22800. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	5780. ACRES
IRRIGATION WATER DIVERTED	2.90 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	110. ACRE FT/YR

REGION 3 - SKAHA LAKE DAM TO S.O.L.I.D. DAM

CHANNEL CAPACITY	2160. C.F.S.
POPULATION	8100. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	4970. ACRES
IRRIGATION WATER DIVERTED	5.26 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	30. ACRE FT/YR

REGION 4 - S.O.L.I.D. DAM TO OLIVER

CHANNEL CAPACITY	2720. C.F.S.
POPULATION	11200. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	2160. ACRES
IRRIGATION WATER DIVERTED	5.06 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	70. ACRE FT/YR

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED

OPERATED FROM 1921-1970

(0 FT = 1119.8)

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	2.0	2.0	0.0	0.0	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	1.8
-3.0 TO -2.5	2.0	4.0	0.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	1.7
-2.5 TO -2.0	4.0	2.0	4.0	0.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	1.7
-2.0 TO -1.5	0.0	0.0	0.0	2.0	0.0	0.0	4.0	4.0	2.0	2.0	2.0	2.0	1.5
-1.5 TO -1.0	0.0	0.0	4.0	0.0	0.0	6.0	2.0	0.0	0.0	0.0	0.0	0.0	1.0
-1.0 TO -0.5	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
-0.5 TO 0.0	4.0	2.2	2.0	4.0	2.0	2.0	4.0	6.0	10.0	8.0	6.0	6.0	4.7
0.0 TO 0.5	12.8	14.4	0.0	2.0	2.0	6.0	10.0	10.2	4.2	6.2	6.2	6.2	6.7
0.5 TO 1.0	24.0	20.4	4.0	4.0	4.0	6.2	2.8	6.6	8.6	10.8	10.8	10.8	9.4
1.0 TO 1.5	41.6	36.6	5.0	2.0	6.2	8.8	10.4	6.8	11.4	9.4	69.0	63.0	22.5
1.5 TO 2.0	9.6	15.6	5.4	4.6	6.8	4.8	11.2	21.2	35.4	52.4	0.0	6.0	14.4
2.0 TO 2.5	0.0	1.2	26.2	12.8	10.0	14.0	19.8	29.2	16.6	5.2	0.0	0.0	11.2
2.5 TO 3.0	0.0	1.6	17.0	6.2	9.6	21.4	21.8	8.6	5.8	0.0	0.0	0.0	7.7
3.0 TO 3.5	0.0	0.0	27.0	13.0	28.6	22.6	6.0	3.4	0.0	0.0	0.0	0.0	8.4
3.5 TO 4.0	0.0	0.0	4.2	41.4	22.4	4.2	4.0	0.0	0.0	0.0	0.0	0.0	6.3
4.0 TO 4.5	0.0	0.0	1.0	6.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
4.5 TO 5.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.0 TO 5.5	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1121.5	1122.5	1124.4	1124.9	1124.2	1123.7	1123.6	1123.2	1122.5	1122.0	1121.3	1121.4	1124.9
MEAN	1120.4	1120.5	1122.0	1122.5	1122.1	1121.6	1121.3	1121.1	1120.9	1120.8	1120.6	1120.4	1121.2
MIN	1115.2	1115.7	1117.4	1117.2	1116.7	1115.9	1115.5	1115.3	1115.2	1115.2	1115.1	1114.9	1114.9
RANGE	6.3	6.8	6.9	7.7	7.4	7.8	8.1	7.9	7.3	6.8	6.2	6.5	10.0

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

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	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	86.8	0.0	0.0	0.0	0.0	0.0	0.0	40.0	42.0	42.0	42.0	44.6	24.8
125 TO 150	0.0	0.2	0.0	0.0	0.0	0.0	0.0	4.0	2.0	2.0	2.0	2.0	1.0
150 TO 175	0.2	0.2	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	0.0	1.3
175 TO 200	0.2	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
200 TO 250	0.4	29.2	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	0.0	3.0
250 TO 300	0.0	36.4	0.0	0.0	0.0	0.0	0.0	5.8	5.8	5.8	5.8	2.0	5.1
300 TO 500	1.8	4.2	76.0	63.4	84.4	98.0	100.0	25.0	25.0	25.0	25.0	1.6	44.1
500 TO 1000	4.2	5.4	7.0	14.2	10.0	1.8	0.0	19.8	19.8	19.8	19.8	41.8	13.6
1000 TO 1500	6.4	17.0	17.0	22.4	5.6	0.2	0.0	0.0	0.0	0.0	0.0	8.0	6.4
1500 TO 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1470.0	1461.5	1298.1	1470.0	1470.0	1451.0	358.1	962.6	962.6	962.6	962.6	1217.6	1470.0
MEAN	213.2	450.3	480.7	603.5	500.1	441.4	334.1	314.0	313.4	313.4	313.4	490.5	397.3
MIN	100.0	130.1	300.0	300.0	300.0	400.5	300.0	100.0	100.0	100.0	100.0	100.0	100.0
RANGE	1370.0	1331.4	998.1	1170.0	1170.0	1050.5	58.1	862.6	862.6	862.6	862.6	1117.6	1370.0

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	40.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6	28.6	24.0	18.6	22.0	12.8
125 TO 150	38.2	0.0	0.0	0.0	0.0	0.0	0.0	15.4	13.4	15.8	23.2	20.6	10.5
150 TO 175	5.2	0.0	0.0	0.0	0.0	0.0	0.0	8.0	3.6	4.0	2.2	0.0	1.9
175 TO 200	0.2	0.0	0.0	0.0	0.0	0.0	0.0	3.6	2.2	3.8	3.8	2.0	1.3
200 TO 250	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.4	0.4	1.6	2.0	0.8
250 TO 300	0.0	74.2	6.0	35.4	77.0	96.0	92.0	4.2	3.0	4.2	3.0	0.0	32.9
300 TO 500	1.0	2.2	59.8	28.2	6.4	2.0	8.0	25.8	28.0	27.8	27.6	3.6	18.4
500 TO 1000	5.2	5.6	13.8	10.0	11.2	1.8	0.0	21.8	19.8	20.0	20.0	39.8	14.1
1000 TO 1500	6.4	16.2	20.4	26.4	5.4	0.2	0.0	0.0	0.0	0.0	0.0	10.0	7.1
1500 TO 2000	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1482.0	1502.1	1467.1	1417.9	1401.7	1396.9	386.1	987.5	988.8	979.4	994.3	1252.0	1502.1
MEAN	244.8	522.1	626.9	611.9	401.0	311.2	302.3	340.3	340.4	341.3	342.2	521.0	408.8
MIN	101.3	300.0	300.0	300.0	300.0	300.0	300.0	100.0	109.6	108.5	111.8	109.6	100.0
RANGE	1380.7	1202.1	1167.1	1117.9	1101.7	1096.9	86.1	887.5	879.2	870.9	882.6	1142.4	1402.1

OKANAGAN LAKE

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 2020 LEVEL OF DEVELOPMENT

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YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.8	1120.8	1122.8	1123.5	1123.1	1122.5	1122.0	1121.7	1121.6	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	244.5	300.0	975.6	416.8	440.3	349.8	288.5	288.5	288.5	288.5	620.9
1922	LEVEL - FT	1120.9	1120.8	1122.1	1123.0	1122.4	1121.8	1121.6	1121.6	1121.4	1121.3	1121.3	1120.8
	OUTFLOW - CFS	100.0	249.4	300.0	300.0	433.4	435.4	324.9	159.2	159.2	159.2	159.2	693.8
1923	LEVEL - FT	1121.0	1121.0	1122.5	1123.5	1123.3	1122.7	1122.2	1122.0	1121.8	1121.7	1121.3	1121.4
	OUTFLOW - CFS	100.0	617.8	300.0	1162.9	401.9	433.7	346.5	257.9	257.9	257.9	257.9	100.0
1924	LEVEL - FT	1121.5	1121.3	1122.2	1122.0	1121.2	1120.5	1120.0	1119.9	1119.9	1119.9	1120.0	1120.0
	OUTFLOW - CFS	100.0	262.7	300.0	394.1	445.0	447.0	353.1	100.0	100.0	100.0	100.0	100.0
1925	LEVEL - FT	1120.0	1120.4	1121.9	1122.1	1121.4	1120.6	1120.0	1119.9	1119.7	1119.8	1119.9	1119.8
	OUTFLOW - CFS	100.0	208.0	333.2	354.3	438.3	456.9	356.4	100.0	100.0	100.0	100.0	100.0
1926	LEVEL - FT	1119.9	1120.2	1120.6	1120.0	1119.4	1118.6	1118.2	1118.1	1118.0	1118.0	1118.0	1117.9
	OUTFLOW - CFS	100.0	214.6	300.0	422.3	438.3	451.9	349.8	100.0	100.0	100.0	100.0	100.0
1927	LEVEL - FT	1117.8	1117.6	1118.4	1119.4	1119.0	1118.4	1118.8	1119.4	1119.6	1119.9	1120.0	1120.0
	OUTFLOW - CFS	100.0	254.4	300.0	300.0	420.1	433.7	300.0	129.9	100.0	100.0	100.0	100.0
1928	LEVEL - FT	1120.2	1120.9	1124.4	1124.7	1124.2	1123.5	1123.0	1122.5	1122.4	1121.7	1121.3	1121.1
	OUTFLOW - CFS	100.0	188.1	1082.6	1377.7	1460.5	447.0	341.5	616.5	616.5	616.5	616.5	100.0
1929	LEVEL - FT	1121.2	1121.0	1120.9	1121.1	1120.4	1120.0	1120.1	1119.9	1119.7	1119.5	1119.5	1119.4
	OUTFLOW - CFS	100.0	262.7	306.7	357.6	440.0	415.5	300.0	100.0	100.0	100.0	100.0	100.0
1930	LEVEL - FT	1119.5	1119.7	1119.6	1119.6	1119.0	1118.5	1118.1	1117.8	1117.8	1117.5	1117.5	1117.4
	OUTFLOW - CFS	100.0	222.9	303.4	370.9	435.0	433.7	336.5	100.0	100.0	100.0	100.0	100.0
1931	LEVEL - FT	1117.4	1117.2	1117.5	1117.2	1116.7	1115.9	1115.5	1115.3	1115.2	1115.2	1115.1	1114.9
	OUTFLOW - CFS	100.0	256.1	300.0	397.4	421.8	458.6	343.2	100.0	100.0	100.0	100.0	100.0
1932	LEVEL - FT	1115.2	1115.7	1117.4	1118.2	1117.7	1117.3	1116.9	1116.7	1116.9	1116.9	1116.8	1116.8
	OUTFLOW - CFS	100.0	203.0	300.0	300.0	425.1	423.7	336.5	100.0	100.0	100.0	100.0	100.0
1933	LEVEL - FT	1116.9	1117.1	1118.8	1120.4	1120.2	1119.6	1119.5	1119.7	1119.8	1120.2	1120.4	1120.4
	OUTFLOW - CFS	100.0	222.9	300.0	300.0	383.6	440.3	318.3	100.0	100.0	100.0	100.0	100.0
1934	LEVEL - FT	1120.8	1122.3	1123.3	1123.0	1122.6	1122.1	1121.8	1121.4	1121.5	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	1227.8	405.7	392.4	418.5	427.1	334.9	363.9	363.9	363.9	363.9	947.7
1935	LEVEL - FT	1121.1	1120.3	1122.1	1123.2	1123.5	1123.3	1123.1	1122.5	1122.0	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	1425.0	300.0	300.0	852.7	405.5	326.6	737.9	737.9	737.9	737.9	624.2
1936	LEVEL - FT	1120.9	1121.6	1123.3	1123.5	1123.2	1122.6	1122.2	1121.9	1121.5	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	176.5	421.1	903.8	411.8	437.0	338.2	225.7	225.7	225.7	225.7	959.0
1937	LEVEL - FT	1120.9	1120.9	1122.3	1123.5	1123.2	1122.5	1122.2	1121.8	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	239.5	300.0	526.2	413.5	445.3	333.2	451.4	451.4	451.4	451.4	859.5

1938	LEVEL - FT	1120.9	1121.3	1123.0	1123.2	1122.7	1122.1	1121.8	1121.6	1121.3	1121.3	1121.3	1121.2
	OUTFLOW - CFS	100.0	247.3	300.0	351.0	426.7	443.6	326.6	160.3	160.3	160.3	160.3	100.0
1939	LEVEL - FT	1121.2	1121.5	1122.4	1122.5	1122.0	1121.2	1120.8	1120.6	1120.5	1120.6	1120.5	1120.5
	OUTFLOW - CFS	100.0	222.9	300.0	357.6	421.8	453.6	339.8	100.0	100.0	100.0	100.0	100.0
1940	LEVEL - FT	1120.7	1121.0	1121.8	1121.6	1120.9	1120.1	1119.7	1119.6	1119.4	1119.4	1119.4	1119.4
	OUTFLOW - CFS	100.0	217.9	300.0	390.8	438.3	455.2	333.2	100.0	100.0	100.0	100.0	100.0
1941	LEVEL - FT	1119.4	1120.1	1120.5	1120.7	1120.4	1119.8	1119.9	1120.2	1120.3	1120.6	1120.4	1120.5
	OUTFLOW - CFS	100.0	184.8	300.0	349.3	410.2	432.0	305.0	100.0	100.0	100.0	100.0	100.0
1942	LEVEL - FT	1120.5	1121.1	1122.9	1123.6	1123.5	1122.9	1122.4	1122.0	1121.7	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	184.8	700.8	1346.2	684.6	435.4	343.2	369.6	369.6	369.6	369.6	899.7
1943	LEVEL - FT	1120.8	1121.1	1121.9	1122.6	1122.2	1121.5	1121.0	1121.0	1120.8	1120.6	1120.6	1120.7
	OUTFLOW - CFS	100.0	214.6	300.0	300.0	395.2	425.4	344.8	100.0	100.0	100.0	100.0	100.0
1944	LEVEL - FT	1120.6	1120.6	1121.2	1122.0	1121.5	1120.9	1120.7	1120.7	1120.8	1120.7	1120.8	1120.8
	OUTFLOW - CFS	100.0	257.7	300.0	300.0	416.8	430.4	338.2	100.0	100.0	100.0	100.0	274.1
1945	LEVEL - FT	1120.8	1120.7	1122.8	1123.5	1123.0	1122.4	1122.0	1121.9	1121.6	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	261.0	841.3	858.2	391.9	435.4	334.9	446.0	446.0	446.0	446.0	814.8
1946	LEVEL - FT	1120.9	1120.8	1123.6	1124.2	1123.5	1123.0	1122.6	1122.1	1121.9	1121.6	1121.3	1121.3
	OUTFLOW - CFS	100.0	1357.1	1157.2	1321.3	946.4	415.5	308.4	404.5	404.5	404.5	404.5	100.0
1947	LEVEL - FT	1121.5	1121.7	1122.2	1122.3	1121.8	1121.2	1120.9	1120.9	1120.9	1120.9	1120.9	1120.8
	OUTFLOW - CFS	100.0	271.0	300.0	367.6	400.2	447.0	351.5	100.0	100.0	100.0	100.0	134.5
1948	LEVEL - FT	1119.8	1119.8	1122.9	1124.2	1123.5	1123.5	1123.4	1123.1	1122.4	1121.9	1121.3	1120.8
	OUTFLOW - CFS	1438.0	639.8	1052.8	1167.2	1365.5	855.5	300.0	802.1	802.1	802.1	802.1	997.5
1949	LEVEL - FT	1121.0	1121.9	1123.7	1123.5	1123.3	1122.9	1122.5	1122.1	1121.8	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	181.5	1298.1	746.7	395.2	432.0	341.5	458.1	458.1	458.1	458.1	854.9
1950	LEVEL - FT	1120.6	1119.9	1121.6	1123.5	1123.2	1122.9	1122.4	1122.1	1121.9	1121.7	1121.3	1120.8
	OUTFLOW - CFS	574.9	1413.4	300.0	510.6	385.3	413.8	341.5	513.7	513.7	513.7	513.7	1217.6
1951	LEVEL - FT	1120.0	1120.0	1122.9	1123.5	1123.3	1122.7	1122.4	1122.2	1121.9	1121.7	1121.3	1120.8
	OUTFLOW - CFS	1414.4	1352.1	1094.2	516.1	446.6	427.1	349.8	506.6	506.6	506.6	506.6	1022.3
1952	LEVEL - FT	1120.9	1121.6	1123.7	1123.5	1123.4	1122.8	1122.4	1122.0	1121.6	1121.3	1121.3	1120.8
	OUTFLOW - CFS	100.0	437.4	1086.0	1246.2	300.0	415.5	316.6	422.8	422.8	422.8	422.8	882.7
1953	LEVEL - FT	1120.8	1120.7	1122.0	1123.1	1122.8	1122.5	1122.1	1121.8	1121.6	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	257.7	300.0	300.0	396.9	422.1	339.8	390.8	390.8	390.8	390.8	899.3
1954	LEVEL - FT	1120.9	1120.7	1122.5	1123.5	1123.5	1123.3	1123.4	1122.8	1122.5	1121.9	1121.3	1120.8
	OUTFLOW - CFS	100.0	276.0	874.5	780.8	860.3	410.5	348.1	962.6	962.6	962.6	962.6	841.3
1955	LEVEL - FT	1120.9	1120.0	1120.8	1122.9	1123.2	1122.6	1122.4	1122.0	1121.6	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	1461.5	300.0	300.0	459.9	470.2	353.1	543.5	543.5	543.5	543.5	730.6
1956	LEVEL - FT	1121.0	1121.0	1123.1	1123.5	1123.2	1122.7	1122.4	1122.1	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	1255.9	1263.3	1409.4	464.9	470.2	353.1	413.8	413.8	413.8	413.8	911.3
1957	LEVEL - FT	1120.9	1121.0	1123.3	1123.5	1123.1	1122.8	1122.6	1122.1	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	236.2	1208.6	385.8	411.8	445.3	356.4	551.2	551.2	551.2	551.2	1065.1
1958	LEVEL - FT	1121.0	1121.2	1122.9	1123.1	1122.6	1121.9	1121.5	1121.4	1121.3	1121.3	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.3	953.4	344.4	415.1	443.6	353.1	275.3	275.3	275.3	275.3	829.4
1959	LEVEL - FT	1121.0	1120.4	1122.6	1123.8	1123.5	1122.9	1123.0	1122.7	1122.3	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	1388.6	897.4	1258.4	523.2	417.1	358.1	924.1	924.1	924.1	924.1	1032.3
1960	LEVEL - FT	1120.8	1121.3	1122.7	1123.4	1122.9	1122.3	1122.0	1121.7	1121.6	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	257.7	300.0	300.0	415.1	400.5	334.9	251.7	251.7	251.7	251.7	874.5
1961	LEVEL - FT	1120.9	1120.9	1122.9	1123.5	1123.1	1122.4	1121.7	1121.5	1121.3	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	262.7	300.0	300.0	421.8	417.1	343.2	134.5	134.5	134.5	134.5	921.2
1962	LEVEL - FT	1120.8	1120.3	1121.1	1121.8	1121.4	1121.0	1120.6	1120.6	1120.6	1120.5	1120.4	1120.4
	OUTFLOW - CFS	100.0	1362.1	300.0	300.0	395.2	408.8	321.6	100.0	100.0	100.0	100.0	100.0
1963	LEVEL - FT	1120.6	1120.6	1121.2	1121.3	1121.1	1120.7	1120.4	1120.2	1120.2	1120.2	1120.2	1120.2
	OUTFLOW - CFS	100.0	254.4	300.0	312.9	343.9	450.3	346.5	100.0	100.0	100.0	100.0	100.0
1964	LEVEL - FT	1120.3	1120.2	1121.3	1123.4	1123.4	1123.2	1123.1	1122.7	1122.3	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	272.6	300.0	300.0	415.1	407.2	300.0	916.0	916.0	916.0	916.0	876.1
1965	LEVEL - FT	1120.8	1121.4	1123.2	1123.5	1123.1	1122.8	1122.5	1122.2	1121.9	1121.6	1121.3	1121.3
	OUTFLOW - CFS	100.0	254.4	300.0	1035.6	385.3	437.0	339.8	456.5	456.5	456.5	456.5	100.0
1966	LEVEL - FT	1121.3	1121.3	1122.0	1122.1	1121.9	1121.2	1120.9	1120.6	1120.6	1120.7	1120.7	1120.7
	OUTFLOW - CFS	100.0	266.0	300.0	384.1	391.9	427.1	333.2	100.0	100.0	100.0	100.0	100.0
1967	LEVEL - FT	1120.7	1120.6	1121.8	1123.3	1122.7	1122.0	1121.5	1121.3	1121.2	1121.2	1121.0	1120.8
	OUTFLOW - CFS	100.0	304.1	300.0	300.0	395.2	410.5	331.6	100.0	100.0	100.0	100.0	586.3
1968	LEVEL - FT	1121.0	1120.8	1122.6	1123.5	1123.2	1122.8	1122.7	1122.2	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	294.2	300.0	1207.7	415.1	415.5	310.0	558.4	558.4	558.4	558.4	733.6
1969	LEVEL - FT	1121.0	1121.0	1123.0	1123.3	1123.0	1122.3	1122.1	1121.8	1121.6	1121.5	1121.3	1121.4
	OUTFLOW - CFS	100.0	1377.0	1072.3	300.0	382.0	407.2	311.7	372.5	372.5	372.5	372.5	100.0
1970	LEVEL - FT	1121.4	1121.1	1121.7	1121.8	1121.2	1120.5	1120.1	1119.8	1119.7	1119.6	1119.6	1119.7
	OUTFLOW - CFS	100.0	267.7	300.0	311.2	396.9	400.5	308.4	100.0	100.0	100.0	100.0	100.0

OKANAGAN RIVER SYSTEM
****

SCENARIO 1 PROJECTION TO 2020 LEVEL OF DEVELOPMENT

RUN #38 SIMILAR TO RUN #4 IN THAT THE INTAKES ARE ASSUMED TO BE IMPROVED (IE 100 CFS MIN FLOW) AND THE FISHERY MINIMUM
******* FLOWS (1972 VERSION) ARE SATISFIED. SCENARIO 1 IS THE MEDIUM PROJECTION AND INCLUDES AN ASSUMPTION THAT THE GOVERNMENT WILL INSTITUTE SOME FORM OF "GREENBELT" POLICY.

THE FOLLOWING DATA WERE USED

LAKE LEVEL ADJUSTED IN OCT-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

MINIMUM FLOW REQUIREMENTS - CFS 100.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHING REQUIREMENTS - CFS	MAX	1000.	1000.	0.	0.	0.	450.	500.	550.	1000.	1000.	1000.	1000.
	MIN	175.	175.	0.	0.	0.	300.	325.	350.	175.	175.	175.	175.

REGION 1 - OKANAGAN LAKE BASIN

CHANNEL CAPACITY	0. C.F.S.
POPULATION	340100. PERSONS
DOMESTIC WATER USAGE	0.2954 AF/PERS/YR
AREA IRRIGATED	39020. ACRES
IRRIGATION WATER DIVERTED	2.36 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	17870. ACRE FT/YR

REGION 2 - PENTICTON TO SKAHA LAKE DAM

CHANNEL CAPACITY	1470. C.F.S.
POPULATION	22800. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	2630. ACRES
IRRIGATION WATER DIVERTED	2.90 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	110. ACRE FT/YR

REGION 3 - SKAHA LAKE DAM TO S.O.L.I.D. DAM

CHANNEL CAPACITY	2160. C.F.S.
POPULATION	8100. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	4970. ACRES
IRRIGATION WATER DIVERTED	5.26 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	30. ACRE FT/YR

REGION 4 - S.O.L.I.D. DAM TO OLIVER

CHANNEL CAPACITY	2720. C.F.S.
POPULATION	11200. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	420. ACRES
IRRIGATION WATER DIVERTED	5.06 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	70. ACRE FT/YR

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED

OPERATED FROM 1921-1970

(0 FT = 1119.8)

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	1.3
-3.0 TO -2.5	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
-2.5 TO -2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.0 TO -1.5	4.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	2.0	4.0	4.0	4.0	2.2
-1.5 TO -1.0	2.0	4.0	4.0	0.0	0.0	0.0	2.0	2.0	2.0	0.0	0.0	2.0	1.5
-1.0 TO -0.5	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	1.2
-0.5 TO 0.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0	1.2
0.0 TO 0.5	13.2	12.4	4.0	0.0	2.0	4.0	0.0	0.4	6.0	8.0	4.6	4.0	4.9
0.5 TO 1.0	22.0	15.6	0.0	2.0	4.0	2.0	10.0	10.6	4.0	2.0	3.8	6.6	6.9
1.0 TO 1.5	47.2	42.8	2.4	4.0	2.0	8.0	4.4	7.8	15.2	17.4	81.6	73.4	25.5
1.5 TO 2.0	7.6	18.4	5.8	2.4	2.2	4.8	13.0	17.6	34.4	58.0	0.0	6.0	14.2
2.0 TO 2.5	0.0	1.2	17.0	6.8	8.6	13.4	21.2	37.4	25.8	6.6	0.0	0.0	11.5
2.5 TO 3.0	0.0	1.6	26.6	11.2	13.0	24.4	30.8	14.0	6.6	0.0	0.0	0.0	10.7
3.0 TO 3.5	0.0	0.0	29.8	12.4	22.6	29.0	8.4	4.2	0.0	0.0	0.0	0.0	8.9
3.5 TO 4.0	0.0	0.0	5.8	47.8	41.0	8.4	4.2	0.0	0.0	0.0	0.0	0.0	8.9
4.0 TO 4.5	0.0	0.0	2.0	5.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
4.5 TO 5.0	0.0	0.0	0.6	3.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
5.0 TO 5.5	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1121.4	1122.7	1124.7	1125.1	1124.6	1123.8	1123.7	1123.2	1122.5	1122.0	1121.3	1121.4	1125.1
MEAN	1120.5	1120.7	1122.3	1122.9	1122.6	1122.1	1121.8	1121.4	1121.2	1121.0	1120.8	1120.5	1121.5
MIN	1116.0	1116.6	1118.4	1118.3	1118.0	1117.2	1116.8	1116.4	1116.3	1116.2	1116.0	1115.8	1115.8
RANGE	5.4	6.1	6.3	6.8	6.6	6.6	6.9	6.9	6.3	5.8	5.3	5.6	9.3

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PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV.	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	8.2	33.4	60.8	21.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5
125 TO 150	32.0	30.6	0.4	11.8	0.0	0.0	0.0	0.0	2.4	6.0	12.0	10.2	8.8
150 TO 175	43.2	7.0	0.2	14.0	26.2	0.0	0.0	0.0	26.6	23.0	17.0	26.0	15.3
175 TO 200	2.0	2.0	1.4	4.4	31.8	0.0	0.0	0.0	4.4	4.4	4.4	0.2	4.6
200 TO 250	1.0	0.4	1.6	0.2	17.4	0.0	0.0	0.0	3.6	3.6	3.6	0.0	2.6
250 TO 300	0.2	0.4	2.0	0.2	1.0	0.0	0.0	2.0	4.6	4.6	4.6	0.0	1.6
300 TO 500	1.0	2.0	4.2	3.2	2.4	97.6	100.0	71.0	31.4	31.4	31.4	2.2	31.5
500 TO 1000	3.6	6.4	8.0	13.8	9.6	0.2	0.0	26.8	26.8	26.8	26.8	53.4	16.8
1000 TO 1500	8.8	17.8	21.4	31.0	9.0	2.2	0.0	0.2	0.2	0.2	0.2	8.0	8.2
1500 TO 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1470.0	1464.4	1283.4	1470.0	1465.0	1423.3	376.7	1005.7	1005.7	1005.7	1005.7	1211.3	1470.0
MEAN	282.6	386.7	392.1	568.0	349.1	418.9	353.2	449.5	384.4	384.3	383.1	577.3	410.8
MIN	100.0	100.0	100.0	100.0	100.0	372.9	325.0	283.7	130.9	132.0	131.3	136.8	100.0
RANGE	1370.0	1364.4	1183.4	1370.0	1365.0	1050.5	51.7	722.0	874.7	873.7	874.3	1074.5	1370.0

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	0.0	0.0	10.0	31.6	75.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8
125 TO 150	0.0	0.0	4.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
150 TO 175	0.0	0.0	8.0	4.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
175 TO 200	81.8	65.8	8.0	2.6	0.6	0.0	0.0	0.0	29.2	29.0	29.0	36.2	23.5
200 TO 250	4.0	6.8	15.2	3.8	1.2	0.0	0.0	0.0	4.6	4.6	6.2	0.2	3.9
250 TO 300	0.6	0.6	10.8	2.0	0.6	95.6	0.0	0.0	7.8	6.2	6.4	0.0	10.9
300 TO 500	1.0	1.6	10.6	4.0	2.6	2.2	100.0	67.2	26.4	27.6	26.2	0.2	22.5
500 TO 1000	3.8	7.0	8.2	12.4	9.8	0.2	0.0	32.6	31.8	32.4	32.0	53.4	18.6
1000 TO 1500	8.8	16.2	25.2	32.0	9.0	2.0	0.0	0.2	0.2	0.2	0.2	10.0	8.7
1500 TO 2000	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1482.0	1502.1	1467.1	1417.9	1403.4	1396.9	417.5	1022.3	1038.1	1012.2	1022.8	1242.8	1502.1
MEAN	312.1	455.6	553.1	604.0	277.0	316.4	327.8	469.3	407.9	408.5	409.1	604.8	428.8
MIN	175.0	175.0	100.0	100.0	100.0	300.0	325.0	350.0	175.0	175.0	175.0	175.0	100.0
RANGE	1307.0	1327.1	1367.1	1317.9	1303.4	1096.9	92.5	672.3	863.1	837.2	847.8	1067.8	1402.1

OKANAGAN LAKE

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 2020 LEVEL OF DEVELOPMENT

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YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.8	1120.9	1123.0	1123.6	1123.4	1122.8	1122.3	1121.9	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	157.7	122.4	100.0	1340.1	189.8	412.6	368.4	367.0	367.0	367.0	367.0	614.5
1922	LEVEL - FT	1120.8	1120.9	1122.4	1123.5	1123.1	1122.5	1122.3	1122.0	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	151.0	127.3	100.0	150.9	206.4	407.7	343.5	367.5	367.5	367.5	367.5	687.8
1923	LEVEL - FT	1121.0	1120.9	1122.6	1123.5	1123.5	1122.9	1122.4	1122.2	1121.9	1121.8	1121.3	1121.4
	OUTFLOW - CFS	132.8	795.8	100.0	1308.6	174.9	406.0	365.1	326.8	322.0	322.0	322.0	143.4
1924	LEVEL - FT	1121.4	1121.4	1122.5	1122.4	1121.9	1121.2	1120.7	1120.4	1120.4	1120.3	1120.3	1120.3
	OUTFLOW - CFS	146.1	140.6	100.0	166.4	218.0	419.3	371.7	323.5	154.2	155.2	149.6	150.1
1925	LEVEL - FT	1120.3	1120.8	1122.5	1122.9	1122.4	1121.6	1121.0	1120.7	1120.5	1120.5	1120.6	1120.4
	OUTFLOW - CFS	156.0	100.0	118.5	126.6	211.4	429.2	375.0	330.1	169.1	148.6	139.6	165.0
1926	LEVEL - FT	1120.5	1120.9	1121.5	1121.2	1120.7	1119.9	1119.5	1119.2	1119.1	1119.0	1119.0	1118.8
	OUTFLOW - CFS	149.4	100.0	100.0	194.6	211.4	424.2	368.4	321.8	154.2	163.5	151.2	166.6
1927	LEVEL - FT	1118.6	1118.7	1119.6	1120.8	1120.6	1120.1	1120.4	1120.8	1121.0	1121.1	1121.2	1120.8
	OUTFLOW - CFS	167.6	132.3	100.0	100.0	193.2	406.0	325.0	386.5	189.1	189.1	189.1	651.0
1928	LEVEL - FT	1120.4	1121.1	1124.7	1125.1	1124.6	1123.5	1123.0	1122.5	1122.4	1121.7	1121.3	1121.1
	OUTFLOW - CFS	956.8	104.1	1067.9	1350.0	1433.5	1014.8	360.1	612.5	612.5	612.5	612.5	163.3
1929	LEVEL - FT	1121.1	1121.1	1121.2	1121.5	1121.0	1120.7	1120.7	1120.4	1120.1	1119.9	1119.8	1119.7
	OUTFLOW - CFS	147.7	140.6	100.0	129.9	213.1	387.8	325.0	328.4	154.2	163.5	164.5	156.7
1930	LEVEL - FT	1119.7	1120.0	1120.2	1120.4	1120.0	1119.5	1119.1	1118.6	1118.5	1118.2	1118.1	1117.9
	OUTFLOW - CFS	156.0	100.8	100.0	143.2	208.1	406.0	355.1	338.4	159.1	163.5	159.5	168.3
1931	LEVEL - FT	1117.9	1117.9	1118.4	1118.3	1118.0	1117.2	1116.8	1116.4	1116.3	1116.2	1116.0	1115.8
	OUTFLOW - CFS	154.3	134.0	100.0	169.7	194.8	430.9	361.7	336.7	154.2	156.8	164.5	163.3
1932	LEVEL - FT	1116.0	1116.6	1118.6	1119.6	1119.3	1118.8	1118.4	1118.1	1118.3	1118.2	1118.1	1118.0
	OUTFLOW - CFS	129.5	100.0	100.0	100.0	198.1	396.1	355.1	321.8	130.9	161.8	157.9	155.0
1933	LEVEL - FT	1118.1	1118.4	1120.3	1122.1	1122.1	1121.5	1121.4	1121.3	1121.2	1121.3	1121.3	1120.8
	OUTFLOW - CFS	154.3	100.8	100.0	100.0	156.7	412.6	336.9	417.6	417.6	417.6	417.6	856.5
1934	LEVEL - FT	1121.1	1122.7	1123.3	1123.2	1123.0	1122.5	1122.1	1121.7	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	121.2	1230.7	1047.6	164.7	191.5	399.4	353.5	486.5	486.5	486.5	486.5	941.1
1935	LEVEL - FT	1121.0	1120.3	1122.3	1123.5	1123.5	1123.3	1123.1	1122.5	1122.0	1121.5	1121.3	1120.8
	OUTFLOW - CFS	129.5	1428.0	100.0	251.0	1296.7	377.8	345.2	727.7	727.7	727.7	727.7	617.9
1936	LEVEL - FT	1120.8	1121.7	1123.3	1123.5	1123.3	1122.8	1122.4	1122.0	1121.5	1121.5	1121.3	1120.8
	OUTFLOW - CFS	151.0	100.0	597.2	963.9	184.9	409.3	356.8	328.4	276.4	276.4	276.4	900.9
1937	LEVEL - FT	1120.8	1121.0	1122.6	1123.5	1123.3	1122.7	1122.3	1121.9	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	147.7	117.4	100.0	1011.2	186.5	417.6	351.8	502.2	502.2	502.2	502.2	853.2

1938	LEVEL - FT	1120.9	1121.2	1123.1	1123.5	1123.2	1122.5	1122.2	1121.9	1121.5	1121.4	1121.3	1121.1
	OUTFLOW - CFS	142.7	415.4	100.0	189.2	199.8	416.0	345.2	330.1	301.2	301.2	301.2	163.3
1939	LEVEL - FT	1121.1	1121.5	1122.6	1123.0	1122.7	1121.9	1121.4	1121.0	1120.9	1120.9	1120.8	1120.7
	OUTFLOW - CFS	149.4	100.8	100.0	129.9	194.8	425.9	358.4	336.7	159.1	145.2	166.2	160.0
1940	LEVEL - FT	1120.9	1121.3	1122.4	1122.3	1121.8	1121.0	1120.7	1120.3	1120.1	1120.0	1120.0	1119.9
	OUTFLOW - CFS	134.4	100.0	100.0	163.1	211.4	427.6	351.8	330.1	164.1	156.8	146.3	158.4
1941	LEVEL - FT	1120.0	1120.7	1121.4	1121.8	1121.6	1121.1	1121.1	1121.3	1121.3	1121.5	1121.3	1120.8
	OUTFLOW - CFS	142.7	100.0	100.0	121.6	183.2	404.4	325.0	283.7	217.9	217.9	217.9	832.2
1942	LEVEL - FT	1120.7	1121.4	1122.9	1123.7	1123.5	1122.9	1122.4	1122.0	1121.7	1121.6	1121.3	1120.8
	OUTFLOW - CFS	159.3	100.0	1237.0	1318.5	839.6	407.7	361.7	359.4	359.4	359.4	359.4	893.4
1943	LEVEL - FT	1120.7	1121.1	1122.2	1123.0	1122.8	1122.2	1121.7	1121.5	1121.3	1121.0	1120.9	1121.0
	OUTFLOW - CFS	161.0	100.0	100.0	100.0	168.3	397.7	363.4	336.7	155.8	163.5	154.6	155.0
1944	LEVEL - FT	1120.8	1120.9	1121.8	1122.7	1122.5	1121.9	1121.6	1121.4	1121.4	1121.3	1121.2	1120.8
	OUTFLOW - CFS	165.9	135.6	100.0	100.0	189.8	402.7	356.8	331.8	250.8	250.8	250.8	848.7
1945	LEVEL - FT	1120.8	1120.8	1122.8	1123.5	1123.2	1122.6	1122.2	1122.0	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	156.0	138.9	1112.1	864.1	165.0	407.7	353.5	496.8	496.8	496.8	496.8	808.5
1946	LEVEL - FT	1120.9	1120.8	1123.7	1124.4	1123.5	1123.0	1122.6	1122.1	1121.9	1121.6	1121.3	1121.3
	OUTFLOW - CFS	144.4	1360.0	1142.5	1293.7	1169.3	387.8	326.9	394.1	394.1	394.1	394.1	146.8
1947	LEVEL - FT	1121.4	1121.7	1122.5	1122.7	1122.4	1121.9	1121.5	1121.3	1121.3	1121.2	1121.2	1120.8
	OUTFLOW - CFS	146.1	148.9	100.0	139.9	173.3	419.3	370.0	345.0	159.5	168.4	159.5	559.6
1948	LEVEL - FT	1119.8	1119.8	1123.0	1124.4	1123.6	1123.5	1123.4	1123.0	1122.4	1121.9	1121.3	1120.8
	OUTFLOW - CFS	1433.3	685.3	1038.1	1139.5	1426.9	1036.6	325.0	779.9	779.9	779.9	779.9	990.8
1949	LEVEL - FT	1121.0	1121.9	1123.8	1123.5	1123.4	1123.1	1122.7	1122.2	1121.9	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	1283.4	1053.4	168.3	404.4	360.1	508.9	508.9	508.9	508.9	848.3
1950	LEVEL - FT	1120.5	1119.8	1121.8	1123.5	1123.4	1123.1	1122.6	1122.3	1122.0	1121.8	1121.3	1120.8
	OUTFLOW - CFS	752.8	1380.7	100.0	775.7	158.4	386.1	360.1	564.3	564.3	564.3	564.3	1211.3
1951	LEVEL - FT	1120.0	1120.1	1123.0	1123.5	1123.5	1122.9	1122.6	1122.3	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	1416.5	1355.0	1079.5	735.9	235.8	399.4	368.4	553.3	553.3	553.3	553.3	1015.7
1952	LEVEL - FT	1120.8	1121.5	1123.6	1123.5	1123.5	1122.9	1122.5	1122.1	1121.7	1121.4	1121.3	1120.8
	OUTFLOW - CFS	155.9	592.2	1071.2	1260.6	179.8	387.8	335.2	446.8	446.8	446.8	446.8	876.4
1953	LEVEL - FT	1120.7	1120.8	1122.3	1123.5	1123.4	1123.2	1122.7	1122.2	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	131.1	135.6	100.0	185.8	170.0	394.4	358.4	595.4	595.4	595.4	595.4	893.0
1954	LEVEL - FT	1120.8	1120.6	1122.4	1123.5	1123.5	1123.4	1123.4	1122.8	1122.4	1121.9	1121.3	1120.8
	OUTFLOW - CFS	170.9	317.0	967.4	786.3	877.3	382.8	366.7	952.3	952.3	952.3	952.3	835.0
1955	LEVEL - FT	1120.8	1120.0	1121.0	1123.3	1123.5	1123.0	1122.7	1122.2	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	169.3	1464.4	100.0	100.0	561.0	442.5	371.7	646.8	646.8	646.8	646.8	723.6
1956	LEVEL - FT	1121.0	1120.9	1123.1	1123.5	1123.4	1123.0	1122.5	1122.2	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	174.2	1392.7	1248.6	1423.8	237.9	442.5	371.7	464.5	464.5	464.5	464.5	904.6
1957	LEVEL - FT	1120.9	1121.1	1123.4	1123.5	1123.2	1123.0	1122.7	1122.3	1121.9	1121.5	1121.3	1120.8
	OUTFLOW - CFS	164.2	115.7	1193.9	641.9	184.9	417.6	375.0	608.3	608.3	608.3	608.3	1058.8
1958	LEVEL - FT	1120.9	1121.1	1122.8	1123.3	1123.0	1122.2	1121.8	1121.7	1121.4	1121.4	1121.3	1120.8
	OUTFLOW - CFS	162.6	449.0	947.5	116.7	188.2	416.0	371.7	384.3	384.3	384.3	384.3	823.4
1959	LEVEL - FT	1120.9	1120.4	1122.6	1123.8	1123.5	1122.9	1123.0	1122.7	1122.3	1121.8	1121.3	1120.8
	OUTFLOW - CFS	162.5	1391.5	1037.0	1230.7	573.6	389.4	376.7	913.8	913.8	913.8	913.8	1025.6
1960	LEVEL - FT	1120.8	1121.4	1123.0	1123.5	1123.2	1122.6	1122.3	1121.9	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	154.3	135.6	100.0	641.6	188.2	372.9	353.5	348.3	336.4	336.4	336.4	856.2
1961	LEVEL - FT	1120.8	1121.0	1123.2	1123.5	1123.3	1122.7	1121.9	1121.5	1121.3	1121.3	1121.2	1120.8
	OUTFLOW - CFS	134.4	140.6	100.0	767.3	194.8	389.4	361.7	336.7	192.6	192.6	192.6	770.4
1962	LEVEL - FT	1120.8	1120.3	1121.4	1122.2	1122.0	1121.6	1121.1	1121.1	1121.0	1120.8	1120.7	1120.7
	OUTFLOW - CFS	121.1	1365.0	100.0	100.0	168.3	381.2	340.2	300.3	144.2	170.1	166.2	141.9
1963	LEVEL - FT	1120.8	1120.9	1121.8	1122.1	1122.1	1121.6	1121.4	1120.9	1120.9	1120.9	1120.8	1120.8
	OUTFLOW - CFS	146.1	132.3	100.0	100.0	116.9	422.6	365.1	341.7	167.4	158.5	156.2	145.2
1964	LEVEL - FT	1120.8	1120.8	1122.2	1123.6	1123.5	1123.3	1123.3	1122.8	1122.4	1121.6	1121.3	1120.8
	OUTFLOW - CFS	157.7	152.2	100.0	1232.3	606.7	379.5	325.0	942.5	942.5	942.5	942.5	870.1
1965	LEVEL - FT	1120.8	1121.5	1123.2	1123.5	1123.3	1123.0	1122.7	1122.3	1122.0	1121.7	1121.3	1121.2
	OUTFLOW - CFS	170.9	132.3	408.3	1188.6	158.4	409.3	358.4	507.0	507.0	507.0	507.0	136.8
1966	LEVEL - FT	1121.2	1121.4	1122.3	1122.6	1122.5	1121.9	1121.6	1121.1	1121.1	1121.1	1121.1	1120.8
	OUTFLOW - CFS	150.9	143.9	100.0	156.5	165.0	399.4	351.8	348.3	154.2	153.5	144.6	458.4
1967	LEVEL - FT	1120.7	1120.7	1122.2	1123.5	1123.1	1122.4	1121.9	1121.5	1121.3	1121.3	1121.1	1120.8
	OUTFLOW - CFS	175.9	182.0	100.0	585.3	168.3	382.8	350.1	335.1	165.8	151.9	131.3	674.4
1968	LEVEL - FT	1121.0	1120.9	1122.9	1123.7	1123.5	1123.2	1123.0	1122.4	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	136.1	172.1	118.8	1368.3	287.9	387.8	328.6	663.5	663.5	663.5	663.5	727.3
1969	LEVEL - FT	1120.9	1121.0	1123.0	1123.5	1123.3	1122.7	1122.4	1122.1	1121.8	1121.6	1121.3	1121.4
	OUTFLOW - CFS	160.9	1379.9	1145.8	148.2	155.0	379.5	330.3	479.4	479.4	479.4	479.4	143.4
1970	LEVEL - FT	1121.4	1121.2	1122.0	1122.3	1121.9	1121.2	1120.7	1120.3	1120.2	1120.1	1119.9	1120.0
	OUTFLOW - CFS	100.0	145.6	100.0	100.0	170.0	372.9	326.9	323.5	162.4	132.0	139.6	151.7

OKANAGAN RIVER SYSTEM
****

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SCENARIO 3 PROJECTION TO 2020 LEVEL OF DEVELOPMENT

RUN #38
******* SCENARIO #3 ASSUMES LOW ECONOMIC GROWTH RATE WITH GOVERNMENT GREEN BELT POLICY

THE FOLLOWING DATA WERE USED

LAKE LEVEL ADJUSTED IN OCT-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

MINIMUM FLOW REQUIREMENTS - CFS 100.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHING REQUIREMENTS - CFS	MAX	1000.	1000.	0.	0.	0.	450.	500.	550.	1000.	1000.	1000.	1000.
	MIN	175.	175.	0.	0.	0.	300.	325.	350.	175.	175.	175.	175.

REGION 1 - OKANAGAN LAKE BASIN

CHANNEL CAPACITY	0. C.F.S.
POPULATION	252600. PERSONS
DOMESTIC WATER USAGE	0.2954 AF/PERS/YR
AREA IRRIGATED	39020. ACRES
IRRIGATION WATER DIVERTED	2.36 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	13260. ACRE FT/YR

REGION 2 - PENTICTON TO SKAHA LAKE DAM

CHANNEL CAPACITY	1470. C.F.S.
POPULATION	16900. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	2600. ACRES
IRRIGATION WATER DIVERTED	2.90 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	70. ACRE FT/YR

REGION 3 - SKAHA LAKE DAM TO S.O.L.I.D. DAM

CHANNEL CAPACITY	2160. C.F.S.
POPULATION	6500. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	4910. ACRES
IRRIGATION WATER DIVERTED	5.26 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	20. ACRE FT/YR

REGION 4 - S.O.L.I.D. DAM TO OLIVER

CHANNEL CAPACITY	2720. C.F.S.
POPULATION	8400. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	820. ACRES
IRRIGATION WATER DIVERTED	5.06 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	50. ACRE FT/YR

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED

OPERATED FROM 1921-1970

(0 FT = 1119.8)

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	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	0.8
-3.0 TO -2.5	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.5
-2.5 TO -2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
-2.0 TO -1.5	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.5
-1.5 TO -1.0	2.0	0.0	2.0	2.0	2.0	0.0	0.0	2.0	0.0	2.0	4.0	2.0	1.5
-1.0 TO -0.5	2.0	4.0	2.0	0.0	0.0	0.0	2.0	2.0	4.0	2.0	0.0	0.0	1.5
-0.5 TO 0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	1.3
0.0 TO 0.5	11.4	12.6	2.0	2.0	4.0	0.0	2.0	0.0	2.2	4.2	4.2	4.4	4.1
0.5 TO 1.0	24.2	10.0	2.0	2.0	0.0	6.0	2.2	8.0	7.8	3.8	3.8	3.6	6.1
1.0 TO 1.5	48.8	44.8	4.2	0.0	6.0	0.4	8.0	6.8	5.0	9.6	84.0	78.0	24.6
1.5 TO 2.0	7.6	21.2	4.0	6.0	0.2	8.0	11.2	17.2	38.8	66.8	0.0	6.0	15.6
2.0 TO 2.5	0.0	1.8	15.8	2.8	8.2	11.4	20.0	40.0	31.6	7.6	0.0	0.0	11.6
2.5 TO 3.0	0.0	1.6	30.2	9.8	12.6	26.8	36.6	13.8	6.6	0.0	0.0	0.0	11.5
3.0 TO 3.5	0.0	0.0	29.6	17.4	24.2	32.6	9.8	6.2	0.0	0.0	0.0	0.0	10.0
3.5 TO 4.0	0.0	0.0	5.6	47.6	42.0	8.6	4.2	0.0	0.0	0.0	0.0	0.0	9.0
4.0 TO 4.5	0.0	0.0	2.2	6.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.7
4.5 TO 5.0	0.0	0.0	0.4	3.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
5.0 TO 5.5	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1121.5	1122.7	1124.7	1125.1	1124.6	1123.8	1123.7	1123.3	1122.6	1122.0	1121.3	1121.4	1125.1
MEAN	1120.6	1120.8	1122.4	1123.0	1122.8	1122.3	1121.9	1121.6	1121.4	1121.1	1120.9	1120.6	1121.6
MIN	1116.5	1117.1	1118.8	1118.7	1118.4	1117.7	1117.2	1116.8	1116.8	1116.7	1116.5	1116.3	1116.3
RANGE	4.9	5.6	5.9	6.4	6.2	6.2	6.5	6.4	5.8	5.3	4.8	5.1	8.8

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	8.0	33.0	59.8	23.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5
125 TO 150	33.4	32.2	0.6	9.6	0.2	0.0	0.0	0.0	2.4	6.0	8.2	10.0	8.5
150 TO 175	41.2	4.8	0.0	11.0	26.0	0.0	0.0	0.0	22.4	18.8	16.6	26.0	13.9
175 TO 200	2.0	2.4	1.2	2.2	30.8	0.0	0.0	0.0	2.0	2.0	2.0	0.0	3.7
200 TO 250	0.6	0.6	2.6	3.6	17.2	0.0	0.0	0.0	4.4	4.4	4.4	0.0	3.1
250 TO 300	0.4	0.2	0.6	2.0	1.4	0.0	0.0	0.6	0.8	0.8	0.8	0.0	0.6
300 TO 500	1.6	1.8	4.6	3.4	3.6	97.6	100.0	61.6	30.2	30.2	30.2	0.0	30.4
500 TO 1000	3.4	7.0	8.8	13.6	9.2	0.2	0.0	37.6	37.6	37.6	37.6	56.0	20.7
1000 TO 1500	9.4	18.0	21.8	31.2	9.4	2.2	0.0	0.2	0.2	0.2	0.2	8.0	8.4
1500 TO 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1470.0	1464.0	1282.0	1470.0	1470.0	1420.5	375.6	1064.2	1064.2	1064.2	1064.2	1217.0	1470.0
MEAN	289.7	392.8	400.8	584.1	361.3	418.0	352.3	477.8	425.2	425.1	424.7	598.9	429.2
MIN	100.0	100.0	100.0	100.0	107.7	368.6	325.6	294.8	130.9	131.7	131.0	136.8	100.0
RANGE	1370.0	1364.0	1182.0	1370.9	1362.3	1051.9	50.6	769.4	933.3	932.5	933.2	1080.3	1370.0

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	0.0	0.0	10.0	31.4	74.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6
125 TO 150	0.0	0.0	4.0	5.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
150 TO 175	0.0	0.0	8.0	6.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
175 TO 200	80.8	65.2	8.0	0.6	0.0	0.0	0.0	24.8	24.8	23.0	36.0	21.9	
200 TO 250	4.4	6.6	14.8	2.6	0.4	0.0	0.0	0.0	6.2	4.2	6.0	0.0	3.8
250 TO 300	0.2	0.8	10.6	2.2	0.8	97.6	0.0	0.0	0.4	2.4	2.2	0.0	9.8
300 TO 500	1.6	1.4	9.6	6.6	2.8	0.0	100.0	59.8	30.0	29.8	28.8	0.0	22.5
500 TO 1000	3.2	7.2	9.4	11.0	11.2	0.4	0.0	40.0	38.4	38.6	37.6	54.0	20.9
1000 TO 1500	9.8	16.8	25.6	33.8	9.0	2.0	0.0	0.2	0.2	0.2	2.4	10.0	9.2
1500 TO 2000	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1482.1	1502.2	1468.1	1419.4	1404.8	1398.3	418.6	1081.2	1096.7	1071.1	1081.7	1248.7	1502.2
MEAN	319.7	462.3	564.1	623.9	293.2	319.7	327.9	498.0	448.7	449.7	451.0	626.5	448.7
MIN	175.0	175.0	100.0	100.0	100.0	300.0	325.0	350.0	175.0	175.0	175.0	175.0	100.0
RANGE	1307.1	1327.2	1368.1	1319.4	1304.8	1098.3	93.6	731.2	921.7	896.1	906.7	1073.7	1402.2

OKANAGAN LAKE

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 2020 LEVEL OF DEVELOPMENT

YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.8	1120.9	1123.1	1123.6	1123.4	1122.9	1122.4	1122.0	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	157.2	121.8	100.0	1337.8	185.8	408.4	367.3	425.3	425.3	425.3	425.3	620.3
1922	LEVEL - FT	1120.8	1120.9	1122.4	1123.5	1123.1	1122.6	1122.3	1122.1	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	150.6	126.8	100.0	232.3	202.3	403.5	342.5	404.9	404.9	404.9	404.9	692.9
1923	LEVEL - FT	1121.0	1120.8	1122.6	1123.5	1123.5	1123.0	1122.5	1122.2	1121.9	1121.8	1121.3	1121.4
	OUTFLOW - CFS	132.3	873.5	100.0	1306.3	187.6	401.8	364.0	356.8	356.8	356.8	356.8	143.4
1924	LEVEL - FT	1121.5	1121.4	1122.5	1122.5	1122.0	1121.3	1120.8	1120.6	1120.5	1120.5	1120.5	1120.5
	OUTFLOW - CFS	145.6	140.0	100.0	162.6	213.9	415.1	370.6	323.1	154.1	154.9	149.2	150.0
1925	LEVEL - FT	1120.5	1121.0	1122.7	1123.2	1122.7	1121.9	1121.3	1121.0	1120.8	1120.8	1121.0	1120.8
	OUTFLOW - CFS	155.5	100.0	116.1	122.8	207.3	425.0	374.0	329.7	169.0	148.2	139.3	164.9
1926	LEVEL - FT	1120.8	1121.3	1121.9	1121.6	1121.1	1120.4	1119.9	1119.7	1119.6	1119.5	1119.5	1119.3
	OUTFLOW - CFS	148.9	100.0	100.0	190.8	207.3	420.0	367.3	321.4	154.1	163.1	150.9	166.6
1927	LEVEL - FT	1119.2	1119.2	1120.2	1121.4	1121.2	1120.7	1121.0	1121.4	1121.4	1121.5	1121.3	1120.8
	OUTFLOW - CFS	167.1	131.7	100.0	100.0	189.1	401.8	325.0	430.6	430.6	430.6	430.6	853.7
1928	LEVEL - FT	1120.3	1121.1	1124.7	1125.1	1124.6	1123.5	1123.1	1122.5	1122.4	1121.7	1121.3	1121.1
	OUTFLOW - CFS	1036.4	101.7	1066.5	1347.7	1430.9	1107.4	359.0	626.9	626.9	626.9	626.9	163.3
1929	LEVEL - FT	1121.2	1121.1	1121.2	1121.6	1121.1	1120.8	1120.9	1120.5	1120.3	1120.1	1120.0	1119.9
	OUTFLOW - CFS	147.2	140.0	100.0	126.1	209.0	383.6	325.0	328.0	154.1	163.1	164.1	156.7
1930	LEVEL - FT	1119.9	1120.2	1120.4	1120.7	1120.3	1119.8	1119.4	1118.9	1118.8	1118.5	1118.4	1118.3
	OUTFLOW - CFS	155.5	100.3	100.0	139.4	204.0	401.8	354.1	338.0	159.1	163.1	159.2	168.3
1931	LEVEL - FT	1118.2	1118.3	1118.8	1118.7	1118.4	1117.7	1117.2	1116.8	1116.8	1116.7	1116.5	1116.3
	OUTFLOW - CFS	153.9	133.4	100.0	165.9	190.7	426.7	360.7	336.3	154.1	156.5	164.1	163.3
1932	LEVEL - FT	1116.6	1117.1	1119.1	1120.2	1119.9	1119.5	1119.1	1118.8	1118.9	1118.8	1118.8	1118.7
	OUTFLOW - CFS	129.0	100.0	100.0	100.0	194.0	391.9	354.1	321.4	130.9	161.5	157.5	155.0
1933	LEVEL - FT	1118.8	1119.1	1121.0	1122.8	1122.9	1122.3	1122.2	1122.0	1121.6	1121.5	1121.3	1120.8
	OUTFLOW - CFS	153.9	100.3	100.0	100.0	152.6	408.4	335.8	717.3	717.3	717.3	717.3	862.3
1934	LEVEL - FT	1121.1	1122.7	1123.3	1123.3	1123.0	1122.6	1122.3	1121.8	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	120.7	1230.2	1094.3	161.0	187.4	395.2	352.4	533.5	533.5	533.5	533.5	947.2
1935	LEVEL - FT	1121.1	1120.3	1122.4	1123.5	1123.5	1123.4	1123.1	1122.5	1122.0	1121.5	1121.3	1120.8
	OUTFLOW - CFS	129.0	1427.5	100.0	332.4	1336.7	373.6	344.1	754.1	754.1	754.1	754.1	623.6
1936	LEVEL - FT	1120.8	1121.7	1123.3	1123.5	1123.4	1122.8	1122.4	1122.1	1121.6	1121.6	1121.3	1120.8
	OUTFLOW - CFS	150.6	100.0	648.0	993.5	180.8	405.1	355.7	328.0	313.7	313.7	313.7	944.5
1937	LEVEL - FT	1120.9	1121.0	1122.6	1123.5	1123.4	1122.8	1122.4	1122.0	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	147.2	116.8	100.0	1092.2	182.4	413.4	350.8	539.6	539.6	539.6	539.6	859.4

1938	LEVEL - FT	1120.9	1121.2	1123.1	1123.5	1123.2	1122.6	1122.3	1121.9	1121.6	1121.4	1121.3	1121.1
	OUTFLOW - CFS	142.3	493.1	100.0	192.3	195.7	411.7	344.1	338.6	338.6	338.6	338.6	163.3
1939	LEVEL - FT	1121.2	1121.5	1122.6	1123.0	1122.8	1122.0	1121.6	1121.2	1121.1	1121.1	1121.0	1120.9
	OUTFLOW - CFS	148.9	100.3	100.0	126.1	190.7	421.7	357.4	336.3	159.1	144.9	165.8	160.0
1940	LEVEL - FT	1121.1	1121.5	1122.6	1122.6	1122.1	1121.4	1121.0	1120.7	1120.5	1120.4	1120.4	1120.3
	OUTFLOW - CFS	134.0	100.0	100.0	159.3	207.3	423.3	350.8	329.7	164.0	156.5	145.9	158.3
1941	LEVEL - FT	1120.4	1121.1	1121.8	1122.2	1122.1	1121.6	1121.6	1121.7	1121.6	1121.6	1121.3	1120.8
	OUTFLOW - CFS	142.3	100.0	100.0	117.9	179.1	400.1	325.0	405.6	405.6	405.6	405.6	903.8
1942	LEVEL - FT	1120.7	1121.5	1123.0	1123.7	1123.5	1122.9	1122.5	1122.0	1121.7	1121.6	1121.3	1120.8
	OUTFLOW - CFS	158.8	100.0	1235.5	1316.2	963.8	403.5	360.7	385.8	385.8	385.8	385.8	899.1
1943	LEVEL - FT	1120.7	1121.2	1122.2	1123.1	1122.9	1122.3	1121.8	1121.6	1121.4	1121.2	1121.1	1121.2
	OUTFLOW - CFS	160.5	100.0	100.0	100.0	164.2	393.5	362.4	336.3	155.7	163.1	154.2	155.0
1944	LEVEL - FT	1121.0	1121.1	1122.0	1122.9	1122.7	1122.2	1121.9	1121.7	1121.6	1121.4	1121.3	1120.8
	OUTFLOW - CFS	165.5	135.1	100.0	100.0	185.8	398.5	355.7	367.8	367.8	367.8	367.8	935.6
1945	LEVEL - FT	1120.8	1120.8	1122.8	1123.5	1123.2	1122.7	1122.2	1122.1	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	155.5	138.4	1149.3	908.4	160.9	403.5	352.4	534.2	534.2	534.2	534.2	814.6
1946	LEVEL - FT	1120.9	1120.8	1123.7	1124.5	1123.5	1123.1	1122.6	1122.2	1121.9	1121.6	1121.3	1121.3
	OUTFLOW - CFS	143.9	1359.5	1141.1	1291.4	1294.1	383.6	325.9	420.6	420.6	420.6	420.6	146.7
1947	LEVEL - FT	1121.4	1121.7	1122.5	1122.8	1122.5	1122.0	1121.7	1121.5	1121.5	1121.3	1121.2	1120.8
	OUTFLOW - CFS	145.6	148.3	100.0	136.1	169.2	415.1	369.0	344.6	219.6	219.6	219.6	634.5
1948	LEVEL - FT	1119.8	1119.8	1123.0	1124.4	1123.7	1123.5	1123.4	1123.0	1122.4	1121.9	1121.3	1120.8
	OUTFLOW - CFS	1443.3	696.9	1036.6	1137.2	1424.3	1184.8	325.0	794.1	794.1	794.1	794.1	996.6
1949	LEVEL - FT	1121.0	1122.0	1123.9	1123.5	1123.5	1123.1	1122.7	1122.2	1121.9	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	1282.0	1134.8	164.2	400.1	359.0	546.3	546.3	546.3	546.3	854.4
1950	LEVEL - FT	1120.4	1119.8	1121.8	1123.5	1123.5	1123.2	1122.7	1122.3	1122.0	1121.8	1121.3	1120.8
	OUTFLOW - CFS	832.4	1322.8	100.0	834.3	154.3	381.9	359.0	601.7	601.7	601.7	601.7	1217.0
1951	LEVEL - FT	1120.0	1120.1	1123.0	1123.5	1123.5	1122.9	1122.6	1122.4	1122.0	1121.8	1121.3	1120.8
	OUTFLOW - CFS	1416.2	1354.6	1078.1	818.4	275.8	395.2	367.3	579.8	579.8	579.8	579.8	1021.5
1952	LEVEL - FT	1120.9	1121.5	1123.6	1123.5	1123.5	1123.0	1122.6	1122.1	1121.7	1121.4	1121.3	1120.8
	OUTFLOW - CFS	153.9	671.9	1069.8	1264.7	219.8	383.6	334.2	473.2	473.2	473.2	473.2	882.2
1953	LEVEL - FT	1120.8	1120.9	1122.3	1123.5	1123.5	1123.2	1122.7	1122.3	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	130.7	135.1	100.0	267.2	165.9	390.2	357.4	632.8	632.8	632.8	632.8	898.8
1954	LEVEL - FT	1120.8	1120.6	1122.4	1123.5	1123.5	1123.4	1123.4	1122.8	1122.5	1121.9	1121.3	1120.8
	OUTFLOW - CFS	170.4	394.7	954.5	802.3	917.3	378.6	365.7	978.7	978.7	978.7	978.7	840.8
1955	LEVEL - FT	1120.8	1120.0	1121.1	1123.3	1123.5	1123.0	1122.7	1122.3	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	168.8	1464.0	100.0	100.0	682.1	438.3	370.6	673.2	673.2	673.2	673.2	729.4
1956	LEVEL - FT	1121.0	1120.9	1123.1	1123.5	1123.4	1123.0	1122.6	1122.2	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	173.8	1454.0	1247.1	1443.9	233.8	438.3	370.6	501.9	501.9	501.9	501.9	910.7
1957	LEVEL - FT	1120.9	1121.1	1123.4	1123.5	1123.3	1123.1	1122.8	1122.3	1121.9	1121.5	1121.3	1120.8
	OUTFLOW - CFS	162.2	113.5	1192.4	727.4	180.8	413.4	374.0	645.8	645.8	645.8	645.8	1064.9
1958	LEVEL - FT	1120.9	1121.0	1122.8	1123.3	1123.0	1122.3	1121.9	1121.7	1121.5	1121.4	1121.3	1120.8
	OUTFLOW - CFS	162.2	526.3	934.6	112.9	184.1	411.7	370.6	426.6	426.6	426.6	426.6	829.2
1959	LEVEL - FT	1120.9	1120.4	1122.6	1123.9	1123.5	1123.0	1123.1	1122.7	1122.3	1121.8	1121.3	1120.8
	OUTFLOW - CFS	160.5	1391.0	1103.5	1228.4	632.0	385.2	375.6	940.2	940.2	940.2	940.2	1031.4
1960	LEVEL - FT	1120.8	1121.4	1123.0	1123.5	1123.2	1122.6	1122.4	1122.0	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	153.9	1351	100.0	723.0	184.1	368.6	352.4	373.9	373.9	373.9	373.9	874.3
1961	LEVEL - FT	1120.8	1121.0	1123.2	1123.5	1123.3	1122.7	1122.0	1121.6	1121.3	1121.3	1121.2	1120.8
	OUTFLOW - CFS	134.0	140.0	100.0	849.1	190.7	385.2	360.7	336.3	229.9	229.9	229.9	814.0
1962	LEVEL - FT	1120.8	1120.3	1121.4	1122.2	1122.1	1121.7	1121.3	1121.2	1121.1	1121.0	1120.9	1120.8
	OUTFLOW - CFS	119.1	1364.5	100.0	100.0	164.2	376.9	339.2	299.9	144.1	169.8	165.8	141.7
1963	LEVEL - FT	1121.0	1121.1	1122.0	1122.3	1122.3	1121.9	1121.7	1121.2	1121.2	1121.2	1121.2	1120.8
	OUTFLOW - CFS	145.6	131.7	100.0	100.0	112.8	418.4	364.0	341.3	167.3	165.1	165.1	546.5
1964	LEVEL - FT	1120.8	1120.9	1122.2	1123.7	1123.5	1123.3	1123.3	1122.8	1122.4	1121.6	1121.3	1120.8
	OUTFLOW - CFS	157.2	150.0	100.0	1230.1	791.8	375.3	325.0	968.6	968.6	968.6	968.6	875.6
1965	LEVEL - FT	1120.8	1121.5	1123.2	1123.5	1123.4	1123.1	1122.8	1122.4	1122.1	1121.7	1121.3	1121.3
	OUTFLOW - CFS	170.4	131.7	473.4	1204.6	154.3	405.1	357.4	544.6	544.6	544.6	544.6	136.8
1966	LEVEL - FT	1121.2	1121.4	1122.4	1122.7	1122.6	1122.0	1121.7	1121.3	1121.2	1121.2	1121.2	1120.8
	OUTFLOW - CFS	148.9	143.3	100.0	152.7	160.9	395.2	350.8	347.9	181.6	181.6	181.6	615.2
1967	LEVEL - FT	1120.7	1120.7	1122.2	1123.5	1123.1	1122.4	1122.0	1121.6	1121.4	1121.4	1121.2	1120.8
	OUTFLOW - CFS	175.4	181.5	100.0	666.4	164.2	378.6	349.1	334.7	165.7	164.6	164.6	783.8
1968	LEVEL - FT	1121.0	1120.9	1122.9	1123.7	1123.5	1123.2	1123.0	1122.5	1122.1	1121.7	1121.3	1120.8
	OUTFLOW - CFS	135.6	171.5	183.9	1366.0	345.9	383.6	327.6	689.9	689.9	689.9	689.9	733.0
1969	LEVEL - FT	1120.9	1121.0	1123.0	1123.5	1123.3	1122.8	1122.5	1122.1	1121.8	1121.6	1121.3	1121.4
	OUTFLOW - CFS	158.8	1379.4	1144.4	232.3	150.9	375.3	329.2	516.7	516.7	516.7	516.7	143.4
1970	LEVEL - FT	1121.4	1121.2	1122.0	1122.3	1122.0	1121.3	1120.9	1120.5	1120.3	1120.2	1120.1	1120.2
	OUTFLOW - CFS	100.0	145.0	100.0	100.0	165.9	368.6	325.9	323.1	162.4	131.7	139.3	151.7

OKANAGAN RIVER SYSTEM
****

724

SCENARIO 4 PROJECTION TO 2020 LEVEL OF DEVELOPMENT

RUN #38
******* SCENARIO #4 EXACTLY AS SCENARIO #1 EXCEPT THAT AN ADDITIONAL 13700 ACRES OF INDIAN LAND ARE ASSUMED TO BE UNDER IRRIGATION

THE FOLLOWING DATA WERE USED

LAKE LEVEL ADJUSTED IN OCT-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

MINIMUM FLOW REQUIREMENTS - CFS 100.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHING REQUIREMENTS - CFS	MAX	1000.	1000.	0.	0.	0.	450.	500.	550.	1000.	1000.	1000.	1000.
	MIN	175.	175.	0.	0.	0.	300.	325.	350.	175.	175.	175.	175.

REGION 1 - OKANAGAN LAKE BASIN

CHANNEL CAPACITY	0. C.F.S.
POPULATION	340100. PERSONS
DOMESTIC WATER USAGE	0.2954 AF/PERS/YR
AREA IRRIGATED	47420. ACRES
IRRIGATION WATER DIVERTED	2.36 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	17870. ACRE FT/YR

REGION 2 - PENTICTON TO SKAHA LAKE DAM

CHANNEL CAPACITY	1470. C.F.S.
POPULATION	22800. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	5780. ACRES
IRRIGATION WATER DIVERTED	2.90 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	110. ACRE FT/YR

REGION 3 - SKAHA LAKE DAM TO S.O.L.I.D. DAM

CHANNEL CAPACITY	2160. C.F.S.
POPULATION	8100. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	4970. ACRES
IRRIGATION WATER DIVERTED	5.26 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	30. ACRE FT/YR

REGION 4 - S.O.L.I.D. DAM TO OLIVER

CHANNEL CAPACITY	2720. C.F.S.
POPULATION	11200. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	2160. ACRES
IRRIGATION WATER DIVERTED	5.06 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	70. ACRE FT/YR

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED

OPERATED FROM 1921-1970

(0 FT = 1119.8)

725

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5
-3.0 TO -2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.5 TO -2.0	4.0	4.0	0.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	4.0	4.0	2.3
-2.0 TO -1.5	2.0	2.0	4.0	0.0	0.0	2.0	0.0	2.0	2.0	2.0	0.0	2.0	1.5
-1.5 TO -1.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	1.0
-1.0 TO -0.5	0.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.7
-0.5 TO 0.0	4.0	0.0	2.0	0.0	2.0	4.0	2.0	0.0	2.0	4.0	6.0	4.0	2.5
0.0 TO 0.5	12.2	12.0	2.0	4.0	4.0	0.0	0.4	10.0	8.0	6.0	4.0	6.0	5.7
0.5 TO 1.0	24.4	19.8	0.0	2.0	0.0	8.0	13.6	6.2	6.4	4.6	6.6	4.8	8.0
1.0 TO 1.5	43.8	38.4	6.6	2.4	6.0	6.2	4.8	12.4	16.2	18.4	75.4	71.2	25.1
1.5 TO 2.0	7.6	19.0	4.0	3.8	6.2	8.6	9.0	9.4	27.8	52.8	0.0	6.0	12.8
2.0 TO 2.5	0.0	1.2	24.2	6.6	6.6	7.4	21.6	40.0	25.4	6.2	0.0	0.0	11.6
2.5 TO 3.0	0.0	1.6	16.2	11.6	10.6	24.2	29.0	12.0	6.2	0.0	0.0	0.0	9.3
3.0 TO 3.5	0.0	0.0	33.6	9.0	27.2	31.4	7.6	2.0	0.0	0.0	0.0	0.0	9.2
3.5 TO 4.0	0.0	0.0	3.6	49.2	32.8	4.2	4.0	0.0	0.0	0.0	0.0	0.0	7.8
4.0 TO 4.5	0.0	0.0	1.4	5.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
4.5 TO 5.0	0.0	0.0	0.4	1.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
5.0 TO 5.5	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1121.5	1122.7	1124.7	1125.1	1124.5	1123.7	1123.6	1123.2	1122.5	1122.0	1121.3	1121.4	1125.1
MEAN	1120.4	1120.6	1122.1	1122.7	1122.5	1121.9	1121.6	1121.3	1121.1	1120.9	1120.7	1120.4	1121.4
MIN	1115.5	1116.1	1117.9	1117.8	1117.5	1116.6	1116.2	1115.8	1115.7	1115.7	1115.5	1115.3	1115.3
RANGE	5.9	6.6	6.8	7.3	7.1	7.1	7.4	7.4	6.8	6.3	5.8	6.1	9.8

726

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	8.6	36.2	63.0	23.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0
125 TO 150	38.0	30.8	2.2	3.0	2.4	0.0	0.0	0.0	10.4	16.0	22.0	16.4	11.8
150 TO 175	40.2	5.0	0.6	10.8	1.4	0.0	0.0	0.0	26.6	21.0	15.0	22.0	11.9
175 TO 200	0.2	2.2	0.6	12.2	24.0	0.0	0.0	0.0	3.8	3.8	3.8	0.0	4.2
200 TO 250	0.4	1.2	1.6	2.2	50.2	0.0	0.0	0.0	0.6	0.6	0.6	2.0	4.9
250 TO 300	0.0	0.2	1.6	1.2	2.4	0.0	0.0	6.0	5.6	5.6	5.6	0.0	2.3
300 TO 500	1.8	2.0	3.8	7.4	2.8	97.8	100.0	69.0	28.0	28.0	28.0	4.2	31.1
500 TO 1000	2.8	5.4	9.2	12.4	9.6	2.0	0.0	25.0	25.0	25.0	25.0	47.4	15.7
1000 TO 1500	8.0	17.0	17.4	27.0	7.0	0.2	0.0	0.0	0.0	0.0	0.0	8.0	7.0
1500 TO 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1470.0	1461.5	1298.1	1470.0	1470.0	1451.0	383.1	956.3	956.3	956.3	956.3	1217.9	1470.0
MEAN	266.4	363.3	364.2	542.3	347.2	442.3	359.1	438.9	365.3	365.0	364.6	543.8	396.9
MIN	100.0	100.0	100.0	100.0	100.0	400.5	325.0	277.1	125.7	125.0	128.4	133.9	100.0
RANGE	1370.0	1361.5	1198.1	1370.0	1370.0	1050.5	58.1	679.2	830.7	831.3	827.9	1084.0	1370.0

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
100 TO 125	0.0	0.0	12.0	40.8	76.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7
125 TO 150	0.0	0.0	10.0	5.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
150 TO 175	0.0	0.0	4.0	4.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
175 TO 200	83.4	66.4	8.4	0.2	0.4	0.0	0.0	0.0	38.8	38.6	38.6	38.4	26.1
200 TO 250	3.8	7.6	13.2	1.8	0.2	0.0	0.0	0.0	2.0	2.2	2.4	0.0	2.8
250 TO 300	0.0	0.4	13.6	0.4	0.2	95.8	0.0	0.0	4.4	2.8	4.2	0.0	10.1
300 TO 500	1.0	2.4	8.4	7.2	5.8	2.0	100.0	69.0	23.4	26.0	24.8	6.2	23.0
500 TO 1000	3.8	5.2	6.6	12.0	8.4	2.0	0.0	31.0	31.4	30.4	30.0	45.4	17.2
1000 TO 1500	8.0	16.0	23.8	27.2	6.4	0.2	0.0	0.0	0.0	0.0	0.0	10.0	7.6
1500 TO 2000	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1482.0	1502.1	1467.1	1417.9	1401.7	1396.9	411.1	981.1	982.5	973.1	988.0	1252.4	1502.1
MEAN	298.1	435.1	510.4	550.6	248.2	312.1	327.3	465.3	392.4	392.9	393.5	574.2	408.3
MIN	175.0	175.0	100.0	100.0	100.0	300.0	325.0	350.0	175.0	175.0	175.0	175.0	100.0
RANGE	1307.0	1327.1	1367.1	1317.9	1301.7	1096.9	86.1	631.1	807.5	798.1	813.0	1077.4	1402.1

OKANAGAN LAKE

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 2020 LEVEL OF DEVELOPMENT

726

YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.8	1120.8	1122.9	1123.5	1123.2	1122.6	1122.1	1121.8	1121.6	1121.4	1121.3	1120.8
	OUTFLOW - CFS	155.5	119.5	100.0	1245.1	216.8	440.3	374.8	332.3	332.3	332.3	332.3	620.9
1922	LEVEL - FT	1120.8	1120.9	1122.3	1123.4	1122.9	1122.3	1122.1	1121.9	1121.6	1121.5	1121.3	1120.8
	OUTFLOW - CFS	148.8	124.4	100.0	100.0	233.4	435.4	349.9	322.0	322.0	322.0	322.0	693.8
1923	LEVEL - FT	1121.0	1121.0	1122.7	1123.5	1123.4	1122.9	1122.4	1122.1	1121.8	1121.7	1121.3	1121.4
	OUTFLOW - CFS	130.6	587.1	100.0	1336.3	201.9	433.7	371.5	320.2	308.4	308.4	308.4	140.5
1924	LEVEL - FT	1121.5	1121.3	1122.4	1122.3	1121.7	1121.0	1120.4	1120.2	1120.2	1120.1	1120.1	1120.2
	OUTFLOW - CFS	143.9	137.7	100.0	194.1	245.0	447.0	378.1	316.9	150.5	151.5	146.7	147.2
1925	LEVEL - FT	1120.1	1120.6	1122.2	1122.6	1122.0	1121.2	1120.6	1120.3	1120.1	1120.1	1120.2	1120.1
	OUTFLOW - CFS	153.8	100.0	133.2	154.3	238.3	456.9	381.4	323.6	165.4	144.9	136.7	162.1
1926	LEVEL - FT	1120.1	1120.5	1121.1	1120.7	1120.1	1119.4	1118.9	1118.7	1118.6	1118.5	1118.5	1118.3
	OUTFLOW - CFS	147.2	100.0	100.0	222.3	238.3	451.9	374.8	315.3	150.5	159.8	148.3	163.7
1927	LEVEL - FT	1118.1	1118.1	1119.0	1120.2	1119.9	1119.3	1119.7	1120.1	1120.3	1120.6	1120.6	1120.6
	OUTFLOW - CFS	165.4	129.4	100.0	100.0	220.1	433.7	325.0	379.9	125.7	125.0	143.4	147.2
1928	LEVEL - FT	1120.5	1121.2	1124.7	1125.1	1124.5	1123.5	1123.1	1122.5	1122.5	1121.7	1121.3	1121.1
	OUTFLOW - CFS	518.9	100.0	1082.6	1377.7	1460.5	886.5	366.5	626.8	626.8	626.8	626.8	160.4
1929	LEVEL - FT	1121.2	1121.0	1121.1	1121.4	1120.8	1120.4	1120.5	1120.2	1120.0	1119.7	1119.6	1119.6
	OUTFLOW - CFS	145.5	137.7	106.7	157.6	240.0	415.5	325.0	321.9	150.5	159.8	161.6	153.8
1930	LEVEL - FT	1119.5	1119.9	1119.9	1120.1	1119.6	1119.1	1118.7	1118.2	1118.1	1117.8	1117.8	1117.6
	OUTFLOW - CFS	153.8	100.0	103.4	170.9	235.0	433.7	361.5	331.8	155.5	159.8	156.6	165.4
1931	LEVEL - FT	1117.6	1117.5	1117.9	1117.8	1117.5	1116.6	1116.2	1115.8	1115.7	1115.7	1115.5	1115.3
	OUTFLOW - CFS	152.2	131.1	100.0	197.4	221.8	458.6	368.2	330.2	150.5	153.2	161.6	160.4
1932	LEVEL - FT	1115.5	1116.1	1118.0	1118.9	1118.6	1118.1	1117.7	1117.4	1117.6	1117.5	1117.4	1117.4
	OUTFLOW - CFS	127.3	100.0	100.0	100.0	225.1	423.7	361.5	315.3	127.3	158.2	155.0	152.1
1933	LEVEL - FT	1117.4	1117.7	1119.5	1121.3	1121.3	1120.7	1120.5	1120.6	1120.7	1121.0	1121.2	1120.8
	OUTFLOW - CFS	152.2	100.0	100.0	100.0	183.6	440.3	343.3	288.7	137.3	130.8	131.8	697.3
1934	LEVEL - FT	1121.1	1122.7	1123.3	1123.2	1122.9	1122.4	1122.0	1121.7	1121.6	1121.5	1121.3	1120.8
	OUTFLOW - CFS	119.0	1227.8	902.2	192.4	218.5	427.1	359.9	457.6	457.6	457.6	457.6	947.7
1935	LEVEL - FT	1121.1	1120.2	1122.2	1123.5	1123.5	1123.3	1123.0	1122.4	1122.0	1121.5	1121.3	1120.8
	OUTFLOW - CFS	127.3	1414.2	100.0	100.0	1236.3	405.5	351.6	731.8	731.8	731.8	731.8	624.2
1936	LEVEL - FT	1120.8	1121.7	1123.3	1123.5	1123.3	1122.7	1122.3	1122.0	1121.5	1121.5	1121.3	1120.8
	OUTFLOW - CFS	148.8	100.0	449.1	903.8	211.8	437.0	363.2	321.9	269.4	269.4	269.4	906.5
1937	LEVEL - FT	1120.9	1121.0	1122.5	1123.5	1123.3	1122.6	1122.3	1121.9	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	145.5	114.5	100.0	805.9	213.5	445.3	358.2	495.2	495.2	495.2	495.2	859.5

1938	LEVEL - FT	1120.9	1121.3	1123.2	1123.5	1123.1	1122.5	1122.2	1121.8	1121.5	1121.4	1121.3	1121.1
	OUTFLOW - CFS	140.6	206.7	100.0	189.5	226.7	443.6	351.6	323.6	294.3	294.3	294.3	160.4
1939	LEVEL - FT	1121.1	1121.4	1122.5	1122.8	1122.5	1121.6	1121.2	1120.8	1120.7	1120.8	1120.6	1120.5
	OUTFLOW - CFS	147.2	100.0	100.0	157.6	221.8	453.6	364.8	330.2	155.5	141.6	163.2	157.1
1940	LEVEL - FT	1120.7	1121.1	1122.1	1122.0	1121.5	1120.6	1120.3	1119.9	1119.8	1119.7	1119.7	1119.6
	OUTFLOW - CFS	132.3	100.0	100.0	190.8	238.3	455.2	358.2	323.6	160.5	153.2	143.4	155.5
1941	LEVEL - FT	1119.6	1120.3	1120.9	1121.3	1121.1	1120.6	1120.6	1120.8	1120.9	1121.1	1120.9	1120.8
	OUTFLOW - CFS	140.6	100.0	100.0	149.3	210.2	432.0	330.0	277.1	133.9	130.0	161.6	344.8
1942	LEVEL - FT	1120.7	1121.4	1122.9	1123.6	1123.5	1122.9	1122.4	1122.0	1121.7	1121.6	1121.3	1120.8
	OUTFLOW - CFS	157.1	100.0	1138.6	1346.2	684.6	435.4	368.2	363.4	363.4	363.4	363.4	899.7
1943	LEVEL - FT	1120.7	1121.1	1122.1	1122.9	1122.7	1122.0	1121.5	1121.3	1121.1	1120.9	1120.8	1120.8
	OUTFLOW - CFS	158.8	100.0	100.0	100.0	195.2	425.4	369.8	330.2	152.2	159.8	151.6	152.1
1944	LEVEL - FT	1120.7	1120.7	1121.6	1122.4	1122.1	1121.5	1121.3	1121.1	1121.2	1121.1	1121.2	1120.8
	OUTFLOW - CFS	163.8	132.7	100.0	100.0	216.8	430.4	363.2	325.2	148.9	151.5	140.0	730.0
1945	LEVEL - FT	1120.8	1120.8	1122.8	1123.5	1123.2	1122.5	1122.1	1122.0	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	153.8	136.0	912.5	858.2	191.9	435.4	359.9	489.7	489.7	489.7	489.7	814.8
1946	LEVEL - FT	1120.9	1120.8	1123.6	1124.2	1123.5	1123.0	1122.6	1122.1	1121.9	1121.6	1121.3	1121.3
	OUTFLOW - CFS	142.2	1357.1	1157.2	1321.3	904.2	415.5	333.4	398.2	398.2	398.2	398.2	143.8
1947	LEVEL - FT	1121.4	1121.7	1122.4	1122.6	1122.2	1121.6	1121.3	1121.2	1121.2	1121.0	1121.0	1120.8
	OUTFLOW - CFS	143.9	146.0	100.0	167.6	200.2	447.0	376.5	338.5	153.8	164.8	143.4	345.8
1948	LEVEL - FT	1119.8	1119.8	1122.9	1124.2	1123.5	1123.5	1123.4	1123.0	1122.4	1121.9	1121.3	1120.8
	OUTFLOW - CFS	1438.0	639.8	1052.8	1167.2	1365.5	855.5	325.0	795.9	795.9	795.9	795.9	997.1
1949	LEVEL - FT	1121.0	1121.9	1123.7	1123.5	1123.4	1123.0	1122.6	1122.2	1121.8	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	100.0	1298.1	828.1	195.2	432.0	366.5	501.9	501.9	501.9	501.9	854.6
1950	LEVEL - FT	1120.6	1119.9	1121.8	1123.5	1123.4	1123.1	1122.6	1122.2	1122.0	1121.8	1121.3	1120.8
	OUTFLOW - CFS	574.9	1413.4	100.0	710.2	185.3	413.8	366.5	557.4	557.4	557.4	557.4	1217.9
1951	LEVEL - FT	1120.0	1120.0	1122.9	1123.5	1123.5	1122.8	1122.6	1122.3	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	1414.4	1352.1	1094.2	516.1	246.6	427.1	374.8	550.4	550.4	550.4	550.4	1021.6
1952	LEVEL - FT	1120.9	1121.6	1123.7	1123.5	1123.5	1122.9	1122.5	1122.1	1121.7	1121.4	1121.3	1120.8
	OUTFLOW - CFS	152.2	385.2	1086.0	1246.2	162.8	415.5	341.6	450.9	450.9	450.9	450.9	883.1
1953	LEVEL - FT	1120.7	1120.8	1122.2	1123.4	1123.3	1123.0	1122.5	1122.1	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	129.0	132.7	100.0	100.0	196.9	422.1	364.8	558.6	558.6	558.6	558.6	899.7
1954	LEVEL - FT	1120.8	1120.7	1122.5	1123.5	1123.5	1123.3	1123.4	1122.8	1122.4	1121.9	1121.3	1120.8
	OUTFLOW - CFS	168.7	151.0	930.4	780.8	860.3	410.5	373.1	956.3	956.3	956.3	956.3	841.3
1955	LEVEL - FT	1120.8	1120.0	1120.9	1123.1	1123.5	1122.9	1122.7	1122.2	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	167.1	1461.5	100.0	100.0	338.1	470.2	378.1	650.9	650.9	650.9	650.9	730.6
1956	LEVEL - FT	1121.0	1121.0	1123.1	1123.5	1123.4	1122.9	1122.5	1122.1	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	172.0	1184.0	1263.3	1409.4	264.9	470.2	378.1	457.6	457.6	457.6	457.6	910.9
1957	LEVEL - FT	1120.9	1121.1	1123.3	1123.5	1123.2	1123.0	1122.7	1122.2	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	160.4	111.2	1208.6	424.8	211.8	445.3	381.4	601.3	601.3	601.3	601.3	1065.1
1958	LEVEL - FT	1120.9	1121.2	1122.9	1123.2	1122.9	1122.2	1121.8	1121.6	1121.4	1121.4	1121.3	1120.8
	OUTFLOW - CFS	160.4	240.0	953.4	144.4	215.1	443.6	378.1	369.0	369.0	369.0	369.0	829.7
1959	LEVEL - FT	1120.9	1120.3	1122.6	1123.8	1123.5	1122.9	1123.0	1122.7	1122.2	1121.8	1121.3	1120.8
	OUTFLOW - CFS	158.8	1388.6	838.8	1258.4	523.2	417.1	383.1	917.9	917.9	917.9	917.9	1031.9
1960	LEVEL - FT	1120.8	1121.3	1122.9	1123.5	1123.2	1122.5	1122.2	1121.9	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	152.2	132.7	100.0	436.4	215.1	400.5	359.9	341.8	329.4	329.4	329.4	862.2
1961	LEVEL - FT	1120.8	1120.9	1123.1	1123.5	1123.2	1122.6	1121.9	1121.5	1121.3	1121.3	1121.2	1120.8
	OUTFLOW - CFS	132.3	137.7	100.0	562.1	221.8	417.1	368.2	330.2	185.7	185.7	185.7	776.4
1962	LEVEL - FT	1120.8	1120.2	1121.3	1122.0	1121.9	1121.4	1121.0	1120.9	1120.8	1120.7	1120.6	1120.5
	OUTFLOW - CFS	117.3	1362.1	100.0	100.0	195.2	408.8	346.6	293.7	140.6	166.5	163.2	138.9
1963	LEVEL - FT	1120.6	1120.7	1121.6	1121.8	1121.7	1121.3	1121.0	1120.6	1120.6	1120.5	1120.5	1120.5
	OUTFLOW - CFS	143.9	129.4	100.0	112.9	143.9	450.3	371.5	335.2	163.8	154.9	153.3	142.2
1964	LEVEL - FT	1120.5	1120.5	1121.8	1123.5	1123.5	1123.3	1123.2	1122.8	1122.4	1121.6	1121.3	1120.8
	OUTFLOW - CFS	155.5	147.6	100.0	758.6	434.3	407.2	325.0	948.1	948.1	948.1	948.1	876.1
1965	LEVEL - FT	1120.8	1121.5	1123.3	1123.5	1123.3	1123.0	1122.7	1122.3	1122.0	1121.7	1121.3	1121.3
	OUTFLOW - CFS	168.7	129.4	208.4	1183.1	185.3	437.0	364.8	500.2	500.2	500.2	500.2	133.9
1966	LEVEL - FT	1121.2	1121.4	1122.2	1122.4	1122.3	1121.7	1121.4	1120.9	1120.9	1120.9	1120.9	1120.8
	OUTFLOW - CFS	147.2	141.0	100.0	184.1	191.9	427.1	358.2	341.8	150.5	149.9	141.7	231.7
1967	LEVEL - FT	1120.7	1120.7	1122.1	1123.5	1123.1	1122.3	1121.8	1121.5	1121.3	1121.3	1121.1	1120.8
	OUTFLOW - CFS	173.7	179.1	100.0	380.1	195.2	410.5	356.6	328.5	162.1	148.2	128.4	669.1
1968	LEVEL - FT	1121.0	1120.9	1122.8	1123.6	1123.4	1123.1	1122.9	1122.3	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	133.9	169.2	100.0	1395.9	215.1	415.5	335.0	627.9	627.9	627.9	627.9	733.6
1969	LEVEL - FT	1120.9	1120.9	1123.0	1123.5	1123.3	1122.6	1122.4	1122.0	1121.7	1121.6	1121.3	1121.4
	OUTFLOW - CFS	157.1	1377.0	1015.0	100.0	182.0	407.2	336.7	466.2	466.2	466.2	466.2	140.5
1970	LEVEL - FT	1121.4	1121.2	1121.9	1122.1	1121.7	1121.0	1120.5	1120.2	1120.0	1119.9	1119.8	1119.9
	OUTFLOW - CFS	100.0	142.7	100.0	111.2	196.9	400.5	333.4	316.9	158.8	128.3	136.7	148.8

729

730

OKANAGAN RIVER SYSTEM
****

SCENARIO 1 PROJECTION TO 2020 LEVEL OF DEVELOPMENT

RUN #42 7 MONTH RUN OF RIVER DIVERSION VERY MUCH AS RUN #40 EXCEPT THAT THE MIN FLOW.300 CFS AS IN RUN #37 AND FISHERY
******* REQUIREMENTS NOT MET IN DROUGHTS. SCENARIO 1 IS THE MEDIUM PROJECTION AND INCLUDES AN ASSUMPTION THAT THE
GOVERNMENT WILL INSTITUTE SOME FORM OF "GREENBELT" POLICY

91E

THE FOLLOWING DATA WERE USED

LAKE LEVEL ADJUSTED IN NOV-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

MINIMUM FLOW REQUIREMENTS - CFS 300.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHERY REQUIREMENTS - CFS	MAX	1000.	1000.	0.	0.	0.	450.	500.	550.	1000.	1000.	1000.	1000.
	MIN	100.	100.	0.	0.	0.	300.	300.	100.	100.	100.	100.	100.

REGION 1 - OKANAGAN LAKE BASIN

CHANNEL CAPACITY	0. C.F.S.
POPULATION	340100. PERSONS
DOMESTIC WATER USAGE	0.2954 AF/PERS/YR
AREA IRRIGATED	39020. ACRES
IRRIGATION WATER DIVERTED	2.36 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	17870. ACRE FT/YR

REGION 2 - PENTICTON TO SKAHA LAKE DAM

CHANNEL CAPACITY	1470. C.F.S.
POPULATION	22800. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	2630. ACRES
IRRIGATION WATER DIVERTED	2.90 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	110. ACRE FT/YR

REGION 3 - SKAHA LAKE DAM TO S.O.L.I.D. DAM

CHANNEL CAPACITY	2160. C.F.S.
POPULATION	8100. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	4970. ACRES
IRRIGATION WATER DIVERTED	5.26 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	30. ACRE FT/YR

REGION 4 - S.O.L.I.D. DAM TO OLIVER

CHANNEL CAPACITY	2720. C.F.S.
POPULATION	11200. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	420. ACRES
IRRIGATION WATER DIVERTED	5.06 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	70. ACRE FT/YR

DIVERSION INITIATED ON 8 OCCASIONS

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED

920

OPERATED FROM 1921-1970

(0 FT = 1119.8)

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-3.0 TO -2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.5 TO -2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.0 TO -1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.5 TO -1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.2	0.0
-1.0 TO -0.5	0.2	1.2	0.0	0.0	0.0	0.2	0.2	0.0	0.2	0.2	0.0	0.0	0.2
-0.5 TO 0.0	4.0	1.8	0.0	0.0	0.0	0.0	1.4	1.2	2.8	4.0	5.8	4.0	2.1
0.0 TO 0.5	13.4	10.6	0.0	0.2	0.2	2.6	6.4	8.8	5.8	4.6	2.4	6.4	5.1
0.5 TO 1.0	24.2	24.0	1.2	0.0	1.2	7.0	3.4	4.4	6.2	6.4	9.6	6.4	7.8
1.0 TO 1.5	50.6	38.6	3.4	3.2	4.8	5.6	14.0	14.2	14.4	14.0	80.6	76.8	26.7
1.5 TO 2.0	7.6	20.8	12.2	1.6	7.8	17.4	12.4	12.0	26.8	53.2	1.4	6.2	15.0
2.0 TO 2.5	0.0	1.2	26.2	14.8	16.0	10.0	28.0	29.8	34.4	17.6	0.0	0.0	14.8
2.5 TO 3.0	0.0	1.6	21.4	12.8	10.6	25.0	23.6	17.2	7.0	0.0	0.0	0.0	9.9
3.0 TO 3.5	0.0	0.0	27.2	12.8	34.2	24.2	6.6	6.4	2.4	0.0	0.0	0.0	9.5
3.5 TO 4.0	0.0	0.0	6.4	45.0	24.6	8.0	4.0	5.6	0.0	0.0	0.0	0.0	7.8
4.0 TO 4.5	0.0	0.0	1.6	6.8	0.4	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.7
4.5 TO 5.0	0.0	0.0	0.4	1.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
5.0 TO 5.5	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1121.5	1122.7	1124.6	1125.1	1124.5	1123.8	1123.7	1123.8	1122.9	1122.2	1121.3	1121.4	1125.1
MEAN	1120.7	1120.9	1122.4	1123.0	1122.7	1122.2	1121.9	1121.8	1121.5	1121.3	1121.0	1120.7	1121.7
MIN	1119.2	1119.3	1120.4	1120.1	1120.0	1119.2	1118.8	1118.7	1118.9	1118.9	1118.8	1118.6	1118.6
RANGE	2.3	3.5	4.3	4.9	4.5	4.5	4.9	5.1	4.0	3.3	2.5	2.8	6.4

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	84.4	0.0	0.0	0.0	0.0	0.0	0.0	98.0	30.8	30.8	30.8	33.4	25.7
125 TO 150	0.8	0.2	0.0	0.0	0.0	0.0	0.0	2.0	0.8	0.8	0.8	0.0	0.4
150 TO 175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	0.0	0.9
175 TO 200	0.2	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.7
200 TO 250	0.8	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	2.0	2.5
250 TO 300	0.2	37.8	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	5.2	0.8	4.5
300 TO 500	1.0	3.6	70.6	58.4	82.2	97.6	100.0	0.0	17.2	17.2	17.2	2.2	38.9
500 TO 1000	3.6	5.2	8.6	13.4	10.6	2.2	0.0	0.0	31.6	31.6	31.6	53.6	16.0
1000 TO 1500	9.0	20.4	20.8	28.2	7.2	0.2	0.0	0.0	9.8	9.8	9.8	8.0	10.3
1500 TO 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1470.0	1464.4	1283.4	1470.0	1465.0	1423.3	351.7	136.5	1299.0	1299.0	1299.0	1211.6	1470.0
MEAN	243.8	499.1	513.7	650.9	490.7	415.8	328.2	100.7	448.4	448.4	448.4	577.8	430.5
MIN	100.0	133.0	300.0	300.0	300.0	372.9	300.0	100.0	100.0	100.0	100.0	100.0	100.0
RANGE	1370.0	1331.4	983.4	1170.0	1165.0	1050.5	51.7	36.5	1199.0	1199.0	1199.0	1111.6	1370.0

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	42.4	0.0	0.0	0.0	0.0	0.0	0.0	72.0	30.2	24.0	14.2	23.2	17.2
125 TO 150	34.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.8	7.0	16.8	10.2	7.6
150 TO 175	5.4	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.8	0.8	0.8	0.0	1.0
175 TO 200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.8	1.8	3.4	0.0	0.7
200 TO 250	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	0.8	0.0	0.8
250 TO 300	0.4	67.0	2.0	29.2	78.4	95.6	90.0	0.0	3.6	2.4	4.0	0.8	31.1
300 TO 500	1.0	6.4	58.8	27.6	3.0	2.2	10.0	0.0	14.0	17.6	16.4	4.2	13.4
500 TO 1000	3.8	5.2	14.6	14.2	11.4	2.0	0.0	0.0	36.6	34.2	33.8	51.6	17.3
1000 TO 1500	9.0	19.4	24.6	29.0	7.2	0.2	0.0	0.0	9.8	9.8	9.8	10.0	10.7
1500 TO 2000	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1482.0	1502.1	1467.1	1417.9	1401.7	1396.9	392.5	177.9	1331.5	1305.6	1316.1	1243.2	1502.1
MEAN	273.3	568.0	674.6	686.9	418.6	313.3	302.8	120.5	471.8	472.6	474.3	605.4	448.5
MIN	100.0	300.0	300.0	300.0	300.0	300.0	300.0	100.0	105.9	104.9	108.8	106.7	100.0
RANGE	1382.0	1202.1	1167.1	1117.9	1101.7	1096.9	92.5	77.9	1225.5	1200.7	1207.3	1136.5	1402.1

OKANAGAN LAKE

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 2020 LEVEL OF DEVELOPMENT

YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.8	1120.8	1122.9	1123.5	1123.1	1122.5	1122.1	1121.9	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	247.4	300.0	1183.2	389.8	412.6	343.4	100.0	360.7	360.7	360.7	614.9
	DIVERSION CFS												
1922	LEVEL - FT	1120.9	1120.9	1122.2	1123.2	1122.6	1122.1	1121.8	1121.8	1121.6	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	252.3	300.0	300.0	406.4	407.7	318.5	100.0	257.5	257.5	257.5	687.5
	DIVERSION CFS												
1923	LEVEL - FT	1121.0	1120.9	1122.5	1123.5	1123.3	1122.8	1122.3	1122.2	1121.9	1121.8	1121.3	1121.4
	OUTFLOW - CFS	100.0	828.8	300.0	1162.3	374.9	406.0	340.1	100.0	319.7	319.7	319.7	100.0
	DIVERSION CFS												
1924	LEVEL - FT	1121.5	1121.3	1122.7	1122.8	1122.1	1121.5	1120.9	1120.8	1120.8	1120.8	1120.9	1120.8
	OUTFLOW - CFS	100.0	265.6	300.0	366.4	418.0	419.3	346.7	100.0	100.0	100.0	100.0	260.4
	DIVERSION CFS			500.0	500.0								
1925	LEVEL - FT	1120.8	1121.2	1122.8	1123.1	1122.4	1121.6	1121.0	1120.9	1120.7	1120.7	1120.9	1120.8
	OUTFLOW - CFS	100.0	210.9	318.5	326.6	411.4	429.2	350.0	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS												
1926	LEVEL - FT	1120.8	1121.2	1121.7	1121.2	1120.9	1120.2	1119.7	1120.0	1120.3	1120.2	1120.2	1120.1
	OUTFLOW - CFS	100.0	217.5	300.0	394.6	411.4	424.2	343.4	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS					500.0	0.0	0.0	500.0	500.0	0.0	0.0	0.0
1927	LEVEL - FT	1120.1	1120.2	1121.0	1122.1	1121.7	1121.1	1121.5	1122.1	1121.9	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	257.3	300.0	300.0	393.2	406.0	300.0	136.5	715.6	715.6	715.6	848.6
	DIVERSION CFS	110.0	247.0										
1928	LEVEL - FT	1120.4	1121.1	1124.6	1125.1	1124.5	1123.5	1123.1	1122.9	1122.7	1121.9	1121.3	1121.1
	OUTFLOW - CFS	956.8	191.0	1067.9	1350.0	1433.5	927.9	335.1	100.0	791.5	791.5	791.5	100.0
	DIVERSION CFS												
1929	LEVEL - FT	1121.2	1121.0	1121.0	1121.2	1120.9	1120.6	1120.7	1120.5	1120.3	1120.1	1120.0	1120.0
	OUTFLOW - CFS	100.0	265.6	300.0	329.9	413.1	387.8	300.0	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS					500.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1930	LEVEL - FT	1120.0	1120.6	1121.0	1121.4	1121.2	1120.7	1120.3	1120.0	1120.0	1119.7	1119.7	1119.6
	OUTFLOW - CFS	100.0	225.8	300.0	343.2	408.1	406.0	330.1	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS	0.0	500.0	500.0	500.0	500.0	0.0	0.0	0.0	106.0	0.0	0.0	0.0
1931	LEVEL - FT	1119.7	1120.0	1120.7	1120.8	1120.8	1120.0	1119.5	1119.4	1119.7	1119.6	1119.5	1119.3
	OUTFLOW - CFS	100.0	259.0	300.0	369.7	394.8	430.9	336.7	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS	208.0	500.0	500.0	500.0	500.0	0.0	0.0	191.0	379.0	0.0	0.0	0.0
1932	LEVEL - FT	1119.9	1120.7	1122.6	1123.4	1123.0	1122.5	1122.2	1122.0	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	205.9	300.0	300.0	398.1	396.1	330.1	100.0	456.7	456.7	456.7	773.7
	DIVERSION CFS	401.0	500.0										
1933	LEVEL - FT	1120.9	1120.3	1122.0	1123.5	1123.4	1122.8	1122.7	1122.9	1122.2	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	1411.4	300.0	506.5	356.7	412.6	311.9	100.0	1134.3	1134.3	1134.3	856.9

	DIVERSION CFS												
1934	LEVEL - FT	1121.2	1122.7	1123.3	1123.1	1122.7	1122.2	1121.9	1121.7	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	1230.7	1068.7	364.7	391.5	399.4	328.5	100.0	490.2	490.2	490.2	941.4
	DIVERSION CFS												
1935	LEVEL - FT	1121.1	1120.3	1122.2	1123.3	1123.5	1123.3	1123.1	1122.9	1122.3	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	1428.0	300.0	300.0	1077.2	377.8	320.2	100.0	945.2	945.2	945.2	618.2
	DIVERSION CFS												
1936	LEVEL - FT	1120.9	1121.7	1123.3	1123.5	1123.2	1122.6	1122.2	1122.0	1121.6	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	179.4	568.6	963.9	384.9	409.3	331.8	100.0	276.7	276.7	276.7	953.0
	DIVERSION CFS												
1937	LEVEL - FT	1120.9	1121.0	1122.4	1123.5	1123.2	1122.5	1122.2	1122.1	1122.0	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	242.4	300.0	733.8	386.5	417.6	326.8	100.0	577.9	577.9	577.9	853.2
	DIVERSION CFS												
1938	LEVEL - FT	1120.9	1121.2	1123.0	1123.3	1122.8	1122.1	1121.9	1121.7	1121.4	1121.3	1121.3	1121.2
	OUTFLOW - CFS	100.0	458.3	300.0	323.3	399.8	416.0	320.2	100.0	198.7	198.7	198.7	100.0
	DIVERSION CFS												
1939	LEVEL - FT	1121.2	1121.5	1122.5	1122.7	1122.2	1121.5	1121.0	1120.8	1120.7	1120.8	1120.7	1120.6
	OUTFLOW - CFS	100.0	225.8	300.0	329.9	394.8	425.9	333.4	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS												
1940	LEVEL - FT	1120.9	1121.2	1122.1	1121.9	1121.3	1120.5	1120.1	1119.9	1119.8	1119.7	1119.8	1119.7
	OUTFLOW - CFS	100.0	220.8	300.0	363.1	411.4	427.6	326.8	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS												
1941	LEVEL - FT	1119.8	1120.5	1121.3	1122.0	1122.0	1121.5	1121.5	1122.2	1122.0	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	187.7	300.0	321.6	383.2	404.4	300.0	100.0	618.3	618.3	618.3	898.3
	DIVERSION CFS			500.0	500.0	500.0	0.0	0.0	500.0				
1942	LEVEL - FT	1120.8	1121.4	1122.9	1123.7	1123.5	1122.9	1122.4	1122.2	1121.8	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	187.7	1237.0	1318.5	811.4	407.7	336.7	100.0	454.1	454.1	454.1	893.4
	DIVERSION CFS												
1943	LEVEL - FT	1120.7	1121.1	1122.3	1123.4	1123.1	1122.5	1121.9	1121.9	1121.7	1121.4	1121.3	1121.4
	OUTFLOW - CFS	100.0	217.5	300.0	300.0	368.3	397.7	338.4	100.0	184.6	184.6	184.6	100.0
	DIVERSION CFS			500.0	500.0								
1944	LEVEL - FT	1121.3	1121.3	1122.0	1122.8	1122.4	1121.8	1121.6	1121.6	1121.5	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	260.6	300.0	300.0	389.8	402.7	331.8	100.0	283.0	283.0	283.0	929.5
	DIVERSION CFS												
1945	LEVEL - FT	1120.8	1120.7	1122.8	1123.5	1123.1	1122.5	1122.0	1122.2	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	263.9	1042.9	864.1	365.0	407.7	328.5	100.0	570.5	570.5	570.5	808.5
	DIVERSION CFS												
1946	LEVEL - FT	1120.9	1120.8	1123.7	1124.4	1123.5	1123.0	1122.6	1122.3	1122.1	1121.7	1121.3	1121.3
	OUTFLOW - CFS	100.0	1360.0	1142.5	1293.7	1213.6	387.8	301.9	100.0	500.5	500.5	500.5	100.0
	DIVERSION CFS												
1947	LEVEL - FT	1121.5	1121.7	1122.3	1122.4	1122.0	1121.4	1121.1	1121.1	1121.1	1121.0	1121.0	1120.8
	OUTFLOW - CFS	100.0	273.9	300.0	339.9	373.3	419.3	345.0	100.0	100.0	100.0	100.0	384.8
	DIVERSION CFS												
1948	LEVEL - FT	1119.8	1119.3	1122.5	1123.8	1123.5	1123.5	1123.4	1123.5	1122.7	1122.1	1121.3	1120.8
	OUTFLOW - CFS	1458.0	1404.7	1038.1	1139.5	850.3	869.0	300.0	100.0	1014.8	1014.8	1014.8	991.2
	DIVERSION CFS												
1949	LEVEL - FT	1121.0	1121.9	1123.8	1123.5	1123.3	1122.9	1122.5	1122.4	1122.0	1121.9	1121.3	1120.8
	OUTFLOW - CFS	100.0	184.4	1283.4	968.9	368.3	404.4	335.1	100.0	586.7	586.7	586.7	848.6
	DIVERSION CFS												
1950	LEVEL - FT	1120.5	1119.8	1121.6	1123.5	1123.3	1123.0	1122.5	1122.5	1122.1	1121.8	1121.3	1120.8
	OUTFLOW - CFS	752.8	1416.4	300.0	540.0	358.4	386.1	335.1	100.0	660.7	660.7	660.7	1211.3
	DIVERSION CFS												
1951	LEVEL - FT	1120.0	1120.1	1123.0	1123.5	1123.4	1122.7	1122.5	1122.5	1122.1	1121.8	1121.3	1120.8
	OUTFLOW - CFS	1416.5	1355.0	1079.5	735.9	419.7	399.4	343.4	100.0	651.2	651.2	651.2	1016.0
	DIVERSION CFS												
1952	LEVEL - FT	1120.9	1121.5	1123.6	1123.5	1123.4	1122.8	1122.5	1122.3	1121.8	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	648.1	1071.2	1260.6	300.0	387.8	310.2	100.0	530.6	530.6	530.6	876.8
	DIVERSION CFS												
1953	LEVEL - FT	1120.8	1120.8	1122.1	1123.2	1123.0	1122.7	1122.2	1122.2	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	260.6	300.0	300.0	370.0	394.4	333.4	100.0	566.1	566.1	566.1	893.4
	DIVERSION CFS												
1954	LEVEL - FT	1120.9	1120.6	1122.4	1123.5	1123.5	1123.4	1123.4	1123.4	1122.9	1122.1	1121.3	1120.8
	OUTFLOW - CFS	100.0	387.9	967.4	786.3	877.3	382.8	341.7	100.0	1244.7	1244.7	1244.7	835.0
	DIVERSION CFS												
1955	LEVEL - FT	1120.9	1120.0	1121.0	1123.0	1123.4	1122.8	1122.5	1122.5	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	1464.4	300.0	300.0	432.9	442.5	346.7	100.0	769.8	769.8	769.8	724.6
	DIVERSION CFS												
1956	LEVEL - FT	1121.0	1120.9	1123.1	1123.5	1123.3	1122.8	1122.4	1122.3	1121.9	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	1454.5	1248.6	1435.7	437.9	442.5	346.7	100.0	527.6	527.6	527.6	905.0
	DIVERSION CFS												
1957	LEVEL - FT	1120.9	1121.0	1123.4	1123.5	1123.1	1122.9	1122.6	1122.5	1122.0	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	240.7	1193.9	580.9	384.9	417.6	350.0	100.0	719.4	719.4	719.4	1059.1
	DIVERSION CFS												
1958	LEVEL - FT	1121.0	1121.1	1122.8	1123.1	1122.7	1122.0	1121.6	1121.6	1121.4	1121.3	1121.3	1120.8
	OUTFLOW - CFS	100.0	511.4	947.5	316.7	388.2	416.0	346.7	100.0	354.0	354.0	354.0	823.7
	DIVERSION CFS												
1959	LEVEL - FT	1121.0	1120.4	1122.6	1123.8	1123.5	1122.9	1123.1	1123.3	1122.7	1122.0	1121.3	1120.8
	OUTFLOW - CFS	100.0	1391.5	1099.4	1230.7	573.6	389.4	351.7	100.0	1193.4	1193.4	1193.4	1026.0
	DIVERSION CFS												
1960	LEVEL - FT	1120.8	1121.3	1122.8	1123.5	1123.0	1122.4	1122.2	1122.0	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	260.6	300.0	371.0	388.2	372.9	328.5	100.0	356.8	356.8	356.8	868.5
	DIVERSION CFS												
1961	LEVEL - FT	1120.9	1120.9	1123.0	1123.5	1123.1	1122.5	1121.8	1121.6	1121.3	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	265.6	300.0	477.3	394.8	389.4	336.7	100.0	165.1	165.1	165.1	914.9
	DIVERSION CFS												
1962	LEVEL - FT	1120.8	1120.3	1121.2	1121.9	1121.6	1121.2	1120.7	1120.8	1120.8	1120.7	1120.6	1120.6
	OUTFLOW - CFS	100.0	1365.0	300.0	300.0	368.3	381.2	315.2	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS												
1963	LEVEL - FT	1120.7	1120.8	1121.9	1122.3	1122.2	1121.8	1121.5	1121.2	1121.3	1121.3	1121.3	1120.8
	OUTFLOW - CFS	100.0	257.3	300.0	300.0	316.9	422.6	340.1	100.0	101.9	101.9	101.9	719.3

	DIVERSION CFS			500.0	500.0								
1964	LEVEL - FT	1120.9	1120.8	1122.0	1123.5	1123.5	1123.3	1123.3	1123.4	1122.8	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	277.2	300.0	1179.9	451.3	379.5	300.0	100.0	1231.5	1231.5	1231.5	869.8
	DIVERSION CFS												
1965	LEVEL - FT	1120.8	1121.5	1123.2	1123.5	1123.2	1122.9	1122.6	1122.5	1122.1	1121.7	1121.3	1121.3
	OUTFLOW - CFS	100.0	257.3	354.1	1188.6	358.4	409.3	333.4	100.0	584.4	584.4	584.4	100.0
	DIVERSION CFS												
1966	LEVEL - FT	1121.3	1121.4	1122.1	1122.3	1122.1	1121.5	1121.1	1120.8	1120.8	1120.9	1120.9	1120.8
	OUTFLOW - CFS	100.0	268.9	300.0	356.5	365.0	399.4	326.8	100.0	100.0	100.0	100.0	246.8
	DIVERSION CFS												
1967	LEVEL - FT	1120.8	1120.7	1122.0	1123.5	1123.0	1122.2	1121.8	1121.6	1121.4	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.9	307.0	300.0	335.2	368.3	382.8	325.1	100.0	100.0	100.0	100.0	883.3
	DIVERSION CFS												
1968	LEVEL - FT	1121.0	1120.9	1122.7	1123.5	1123.2	1122.9	1122.7	1122.6	1122.1	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	297.1	300.0	1368.3	388.2	387.8	303.6	100.0	736.1	736.1	736.1	727.6
	DIVERSION CFS												
1969	LEVEL - FT	1121.0	1121.0	1123.0	1123.4	1123.1	1122.5	1122.2	1122.1	1121.8	1121.6	1121.3	1121.4
	OUTFLOW - CFS	100.0	1379.9	1145.8	300.0	355.0	379.5	305.3	100.0	517.2	517.2	517.2	100.0
	DIVERSION CFS												
1970	LEVEL - FT	1121.4	1121.2	1121.8	1121.9	1121.4	1120.7	1120.3	1120.0	1119.9	1119.8	1119.7	1119.9
	OUTFLOW - CFS	100.0	270.6	300.0	300.0	370.0	372.9	301.9	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS												

OKANAGAN RIVER SYSTEM
****

SCENARIO 3 PROJECTION TO 2020 LEVEL OF DEVELOPMENT

RUN #42
******* SCENARIO #3 ASSUMES LOW ECONOMIC GROWTH RATE WITH GOVERNMENT GREEN BELT POLICY

THE FOLLOWING DATA WERE USED

LAKE LEVEL ADJUSTED IN NOV-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

MINIMUM FLOW REQUIREMENTS - CFS 300.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHERY REQUIREMENTS - CFS	MAX	1000.	1000.	0.	0.	0.	450.	500.	550.	1000.	1000.	1000.	1000.
	MIN	100.	100.	0.	0.	0.	300.	300.	100.	100.	100.	100.	100.

REGION 1 - OKANAGAN LAKE BASIN

CHANNEL CAPACITY	0. C.F.S.
POPULATION	252600. PERSONS
DOMESTIC WATER USAGE	0.2954 AF/PERS/YR
AREA IRRIGATED	39020. ACRES
IRRIGATION WATER DIVERTED	2.36 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	13260. ACRE FT/YR

REGION 2 - PENTICTON TO SKAHA LAKE DAM

CHANNEL CAPACITY	1470. C.F.S.
POPULATION	16900. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	2600. ACRES
IRRIGATION WATER DIVERTED	2.90 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	70. ACRE FT/YR

REGION 3 - SKAHA LAKE DAM TO S.O.L.I.D. DAM

CHANNEL CAPACITY	2160. C.F.S.
POPULATION	6500. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	4910. ACRES
IRRIGATION WATER DIVERTED	5.26 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	20. ACRE FT/YR

REGION 4 - S.O.L.I.D. DAM TO OLIVER

CHANNEL CAPACITY	2720. C.F.S.
POPULATION	8400. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	820. ACRES
IRRIGATION WATER DIVERTED	5.06 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	50. ACRE FT/YR

DIVERSION INITIATED ON 8 OCCASIONS

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED

OPERATED FROM 1921-1970

(0 FT = 1119.8)

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-3.0 TO -2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.5 TO -2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.0 TO -1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.5 TO -1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.0 TO -0.5	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.2	0.2
-0.5 TO 0.0	1.6	1.6	0.0	0.0	0.0	0.2	0.4	0.6	0.2	0.2	0.6	0.6	0.5
0.0 TO 0.5	13.0	9.2	0.0	0.0	0.0	0.8	2.6	6.2	6.8	8.6	6.8	7.4	5.1
0.5 TO 1.0	22.0	17.0	0.2	0.2	0.4	4.8	8.2	4.8	4.0	2.6	4.0	4.6	6.1
1.0 TO 1.5	53.8	44.8	4.0	2.0	2.8	6.0	10.4	9.6	13.8	15.6	87.6	81.0	27.6
1.5 TO 2.0	9.6	22.8	9.4	4.2	10.2	16.0	12.4	13.8	23.8	54.8	0.8	6.2	15.3
2.0 TO 2.5	0.0	1.6	25.2	7.4	12.8	12.8	23.4	30.2	38.8	18.2	0.0	0.0	14.2
2.5 TO 3.0	0.0	1.6	24.6	17.2	14.2	22.8	29.6	21.6	8.6	0.0	0.0	0.0	11.7
3.0 TO 3.5	0.0	0.0	28.4	14.4	30.2	28.4	7.2	5.8	4.0	0.0	0.0	0.0	9.9
3.5 TO 4.0	0.0	0.0	5.6	44.0	28.6	8.0	5.8	7.0	0.0	0.0	0.0	0.0	8.2
4.0 TO 4.5	0.0	0.0	2.2	8.0	0.4	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.9
4.5 TO 5.0	0.0	0.0	0.4	1.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
5.0 TO 5.5	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1121.5	1122.8	1124.6	1125.1	1124.6	1123.8	1123.8	1123.9	1123.0	1122.2	1121.3	1121.4	1125.1
MEAN	1120.8	1120.9	1122.5	1123.1	1122.8	1122.3	1122.0	1121.9	1121.6	1121.4	1121.1	1120.8	1121.8
MIN	1119.7	1119.3	1120.7	1120.5	1120.5	1119.7	1119.3	1119.2	1119.4	1119.4	1119.3	1119.1	1119.1
RANGE	1.8	3.5	3.9	4.5	4.1	4.1	4.4	4.7	3.5	2.8	2.0	2.3	5.9

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	83.4	0.0	0.0	0.0	0.0	0.0	0.0	98.0	25.0	25.0	25.0	32.8	24.1
125 TO 150	0.4	0.2	0.0	0.0	0.0	0.0	0.0	2.0	2.2	2.2	2.2	0.0	0.8
150 TO 175	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	0.0	0.5
175 TO 200	0.2	6.4	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	0.0	1.0
200 TO 250	0.6	25.2	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	0.2	3.1
250 TO 300	0.4	37.8	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	0.0	3.5
300 TO 500	1.8	3.4	70.0	56.2	80.6	97.6	100.0	0.0	16.2	16.2	16.2	2.2	38.4
500 TO 1000	3.2	5.8	8.6	15.0	11.4	2.0	0.0	0.0	36.6	36.6	36.6	56.8	17.7
1000 TO 1500	9.6	21.2	21.4	28.8	8.0	0.4	0.0	0.0	11.2	11.2	11.2	8.0	10.9
1500 TO 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1470.0	1464.0	1282.0	1470.0	1462.4	1420.5	350.6	136.1	1376.6	1376.6	1376.6	1217.7	1470.0
MEAN	252.0	507.5	520.5	666.5	502.0	413.0	327.3	100.7	489.0	489.0	489.0	601.7	446.5
MIN	100.0	132.4	300.0	300.0	300.0	368.6	300.0	100.0	100.0	100.0	100.0	100.0	100.0
RANGE	1370.0	1331.5	982.0	1170.0	1162.4	1051.9	50.6	36.1	1276.6	1276.6	1276.6	1117.7	1370.0

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	41.4	0.0	0.0	0.0	0.0	0.0	0.0	70.0	24.2	18.6	12.4	22.8	15.8
125 TO 150	34.2	0.0	0.0	0.0	0.0	0.0	0.0	22.0	2.8	6.4	12.4	10.0	7.3
150 TO 175	4.8	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.4	2.0	2.4	0.0	1.3
175 TO 200	0.2	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.6	2.0	1.8	0.0	0.6
200 TO 250	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	2.4	4.2	0.0	1.3
250 TO 300	0.2	70.6	2.0	28.0	77.8	97.6	90.0	0.0	2.8	4.4	2.8	0.2	31.4
300 TO 500	1.8	1.8	58.2	26.4	2.8	0.0	10.0	0.0	13.6	13.4	13.8	0.0	11.8
500 TO 1000	3.0	6.0	14.2	13.2	11.8	2.2	0.0	0.0	39.2	37.4	36.8	57.0	18.4
1000 TO 1500	10.0	19.6	25.6	32.4	7.6	0.2	0.0	0.0	11.2	13.4	13.4	10.0	11.9
1500 TO 2000	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1482.1	1502.2	1468.1	1419.4	1403.2	1398.3	393.6	178.3	1409.2	1383.5	1394.1	1249.3	1502.2
MEAN	281.9	576.9	683.8	706.3	434.0	314.7	302.9	120.9	512.5	513.6	515.3	629.3	466.0
MIN	100.0	300.0	300.0	300.0	300.0	300.0	300.0	100.0	106.0	105.2	109.2	106.7	100.0
RANGE	1382.1	1202.2	1168.1	1119.4	1103.2	1098.3	93.6	78.3	1303.2	1278.3	1284.9	1142.6	1402.2

OKANAGAN LAKE

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 2020 LEVEL OF DEVELOPMENT

YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.8	1120.8	1122.9	1123.5	1123.2	1122.6	1122.1	1122.0	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	246.8	300.0	1263.9	385.8	408.4	342.3	100.0	410.6	410.6	410.6	620.7
	DIVERSION CFS												
1922	LEVEL - FT	1120.9	1120.9	1122.2	1123.3	1122.7	1122.2	1122.0	1121.9	1121.6	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	251.8	300.0	300.0	402.3	403.5	317.5	100.0	334.0	334.0	334.0	693.3
	DIVERSION CFS												
1923	LEVEL - FT	1121.0	1120.8	1122.4	1123.5	1123.3	1122.8	1122.4	1122.2	1121.9	1121.8	1121.3	1121.4
	OUTFLOW - CFS	100.0	905.8	300.0	1165.3	370.8	401.8	339.0	100.0	369.8	369.8	369.8	100.0
	DIVERSION CFS												
1924	LEVEL - FT	1121.5	1121.4	1122.7	1122.9	1122.2	1121.6	1121.1	1121.0	1121.0	1121.0	1121.0	1120.8
	OUTFLOW - CFS	100.0	265.0	300.0	362.6	413.9	415.1	345.6	100.0	100.0	100.0	100.0	507.5
	DIVERSION CFS			500.0	500.0								
1925	LEVEL - FT	1120.8	1121.2	1122.9	1123.1	1122.5	1121.7	1121.2	1121.0	1120.8	1120.9	1121.1	1121.0
	OUTFLOW - CFS	100.0	210.3	316.1	322.8	407.3	425.0	349.0	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS												
1926	LEVEL - FT	1121.0	1121.4	1121.9	1121.4	1121.2	1120.5	1120.0	1120.3	1120.6	1120.5	1120.6	1120.4
	OUTFLOW - CFS	100.0	217.0	300.0	390.8	407.3	420.0	342.3	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS					500.0	0.0	0.0	500.0	500.0	0.0	0.0	0.0
1927	LEVEL - FT	1120.4	1120.5	1121.4	1122.5	1122.1	1121.6	1121.9	1122.6	1122.2	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	256.7	300.0	300.0	389.1	401.8	300.0	136.1	952.9	952.9	952.9	854.4
	DIVERSION CFS	110.0	247.0										
1928	LEVEL - FT	1120.3	1121.0	1124.6	1125.1	1124.6	1123.5	1123.1	1122.9	1122.7	1121.9	1121.3	1121.1
	OUTFLOW - CFS	1036.4	190.4	1066.5	1347.7	1430.9	1018.8	334.0	100.0	810.9	810.9	810.9	100.0
	DIVERSION CFS												
1929	LEVEL - FT	1121.2	1121.1	1121.1	1121.3	1121.0	1120.7	1120.8	1120.6	1120.4	1120.3	1120.2	1120.2
	OUTFLOW - CFS	100.0	265.0	300.0	326.1	409.0	383.6	300.0	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS					500.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1930	LEVEL - FT	1120.2	1120.8	1121.2	1121.7	1121.5	1121.0	1120.6	1120.3	1120.4	1120.1	1120.1	1119.9
	OUTFLOW - CFS	100.0	225.3	300.0	339.4	404.0	401.8	329.1	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS	0.0	500.0	500.0	500.0	500.0	0.0	0.0	0.0	106.0	0.0	0.0	0.0
1931	LEVEL - FT	1120.1	1120.4	1121.1	1121.2	1121.2	1120.4	1120.0	1119.9	1120.2	1120.1	1120.0	1119.8
	OUTFLOW - CFS	100.0	258.4	300.0	365.9	390.7	426.7	335.7	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS	208.0	500.0	500.0	500.0	500.0	0.0	0.0	191.0	379.0	0.0	0.0	0.0
1932	LEVEL - FT	1120.4	1121.3	1123.1	1123.5	1123.1	1122.7	1122.3	1122.1	1122.0	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	205.4	300.0	989.5	394.0	391.9	329.1	100.0	545.4	545.4	545.4	779.4
	DIVERSION CFS	401.0	500.0										
1933	LEVEL - FT	1120.9	1120.3	1122.0	1123.5	1123.4	1122.9	1122.8	1123.0	1122.3	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	1410.9	300.0	587.2	352.6	408.4	310.8	100.0	1184.2	1184.2	1184.2	862.7

	DIVERSION CFS												
1934	LEVEL - FT	1121.2	1122.8	1123.3	1123.1	1122.7	1122.3	1122.0	1121.9	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	1230.2	1115.1	361.0	387.4	395.2	327.4	100.0	553.0	553.0	553.0	946.9
	DIVERSION CFS												
1935	LEVEL - FT	1121.1	1120.3	1122.2	1123.4	1123.5	1123.4	1123.1	1123.0	1122.3	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	1427.5	300.0	300.0	1198.3	373.6	319.1	100.0	980.4	980.4	980.4	624.0
	DIVERSION CFS												
1936	LEVEL - FT	1120.9	1121.7	1123.3	1123.5	1123.2	1122.7	1122.3	1122.1	1121.6	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	178.8	620.1	993.5	380.8	405.1	330.7	100.0	326.6	326.6	326.6	958.8
	DIVERSION CFS												
1937	LEVEL - FT	1120.9	1121.0	1122.4	1123.5	1123.2	1122.6	1122.3	1122.2	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	241.8	300.0	814.9	382.4	413.4	325.8	100.0	627.8	627.8	627.8	859.4
	DIVERSION CFS												
1938	LEVEL - FT	1120.9	1121.2	1123.0	1123.3	1122.8	1122.2	1121.9	1121.8	1121.4	1121.3	1121.3	1121.2
	OUTFLOW - CFS	100.0	535.3	300.0	319.5	395.7	411.7	319.1	100.0	250.8	250.8	250.8	100.0
	DIVERSION CFS												
1939	LEVEL - FT	1121.2	1121.5	1122.5	1122.7	1122.3	1121.6	1121.2	1120.9	1120.9	1120.9	1120.9	1120.8
	OUTFLOW - CFS	100.0	225.3	300.0	326.1	390.7	421.7	332.4	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS												
1940	LEVEL - FT	1121.0	1121.4	1122.3	1122.1	1121.5	1120.8	1120.5	1120.3	1120.1	1120.1	1120.1	1120.1
	OUTFLOW - CFS	100.0	220.3	300.0	359.3	407.3	423.3	325.8	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS												
1941	LEVEL - FT	1120.1	1120.8	1121.4	1121.7	1121.8	1121.3	1121.3	1122.0	1121.8	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	187.1	300.0	317.9	379.1	400.1	300.0	100.0	524.5	524.5	524.5	904.1
	DIVERSION CFS					500.0	0.0	0.0	500.0				
1942	LEVEL - FT	1120.8	1121.4	1122.9	1123.7	1123.5	1122.9	1122.5	1122.2	1121.8	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	187.1	1235.5	1316.2	935.8	403.5	335.7	100.0	489.2	489.2	489.2	899.1
	DIVERSION CFS												
1943	LEVEL - FT	1120.8	1121.1	1122.4	1123.5	1123.2	1122.6	1122.1	1122.0	1121.8	1121.5	1121.3	1121.4
	OUTFLOW - CFS	100.0	217.0	300.0	300.0	364.2	393.5	337.4	100.0	261.3	261.3	261.3	100.0
	DIVERSION CFS			500.0	500.0								
1944	LEVEL - FT	1121.3	1121.3	1122.1	1122.9	1122.5	1122.0	1121.7	1121.7	1121.6	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	260.1	300.0	300.0	385.8	398.5	330.7	100.0	361.7	361.7	361.7	935.6
	DIVERSION CFS												
1945	LEVEL - FT	1120.8	1120.7	1122.7	1123.5	1123.1	1122.5	1122.1	1122.3	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	115.8	263.4	1092.7	879.8	360.9	403.5	327.4	100.0	620.6	620.6	620.6	814.6
	DIVERSION CFS												
1946	LEVEL - FT	1120.9	1120.9	1123.7	1124.5	1123.5	1123.1	1122.6	1122.4	1122.1	1121.7	1121.3	1121.3
	OUTFLOW - CFS	100.0	1359.5	1141.1	1291.4	1338.1	383.6	300.9	100.0	535.7	535.7	535.7	100.0
	DIVERSION CFS												
1947	LEVEL - FT	1121.5	1121.7	1122.3	1122.5	1122.1	1121.5	1121.2	1121.2	1121.3	1121.2	1121.2	1120.8
	OUTFLOW - CFS	100.0	273.3	300.0	336.1	369.2	415.1	344.0	100.0	100.0	100.0	100.0	630.4
	DIVERSION CFS												
1948	LEVEL - FT	1119.8	1119.3	1122.5	1123.9	1123.5	1123.5	1123.4	1123.6	1122.8	1122.1	1121.3	1120.8
	OUTFLOW - CFS	1457.6	1404.3	1036.6	1137.2	974.8	912.5	300.0	100.0	1033.7	1033.7	1033.7	996.9
	DIVERSION CFS												
1949	LEVEL - FT	1121.0	1121.9	1123.8	1123.5	1123.3	1123.0	1122.6	1122.4	1122.0	1121.9	1121.3	1120.8
	OUTFLOW - CFS	100.0	183.8	1282.0	1051.0	364.2	400.1	334.0	100.0	636.7	636.7	636.7	854.4
	DIVERSION CFS												
1950	LEVEL - FT	1120.4	1119.7	1121.6	1123.5	1123.3	1123.0	1122.6	1122.6	1122.2	1121.9	1121.3	1120.8
	OUTFLOW - CFS	832.4	1415.9	300.0	540.9	354.3	381.9	334.0	100.0	710.7	710.7	710.7	1217.0
	DIVERSION CFS												
1951	LEVEL - FT	1120.0	1120.1	1123.0	1123.5	1123.4	1122.8	1122.6	1122.6	1122.2	1121.8	1121.3	1120.8
	OUTFLOW - CFS	1416.2	1354.6	1078.1	818.4	415.6	395.2	342.3	100.0	701.2	701.2	701.2	1021.8
	DIVERSION CFS												
1952	LEVEL - FT	1120.9	1121.5	1123.6	1123.5	1123.4	1122.9	1122.5	1122.4	1121.8	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	725.8	1069.8	1264.7	300.0	383.6	309.2	100.0	579.1	579.1	579.1	882.6
	DIVERSION CFS												
1953	LEVEL - FT	1120.8	1120.8	1122.1	1123.3	1123.1	1122.9	1122.4	1122.3	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	260.1	300.0	300.0	365.9	390.2	332.4	100.0	643.0	643.0	643.0	899.1
	DIVERSION CFS												
1954	LEVEL - FT	1120.9	1120.6	1122.4	1123.5	1123.5	1123.4	1123.4	1123.5	1122.9	1122.1	1121.3	1120.8
	OUTFLOW - CFS	100.0	464.9	954.5	802.3	917.3	378.6	340.7	100.0	1279.9	1279.9	1279.9	841.1
	DIVERSION CFS												
1955	LEVEL - FT	1120.9	1120.1	1121.0	1123.1	1123.4	1122.9	1122.7	1122.7	1122.1	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	1464.0	300.0	300.0	428.9	438.3	345.6	100.0	846.6	846.6	846.6	730.4
	DIVERSION CFS												
1956	LEVEL - FT	1121.0	1120.9	1123.1	1123.5	1123.3	1122.9	1122.5	1122.4	1122.0	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	1454.0	1247.1	1458.8	433.8	438.3	345.6	100.0	597.1	597.1	597.1	910.4
	DIVERSION CFS												
1957	LEVEL - FT	1120.9	1121.1	1123.4	1123.5	1123.1	1122.9	1122.7	1122.6	1122.1	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	238.5	1192.4	664.7	380.8	413.4	349.0	100.0	769.2	769.2	769.2	1064.5
	DIVERSION CFS												
1958	LEVEL - FT	1121.0	1121.0	1122.8	1123.1	1122.7	1122.0	1121.7	1121.7	1121.5	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	588.7	934.6	312.9	384.1	411.7	345.6	100.0	410.5	410.5	410.5	829.5
	DIVERSION CFS												
1959	LEVEL - FT	1121.0	1120.4	1122.6	1123.9	1123.5	1123.0	1123.1	1123.3	1122.7	1122.0	1121.3	1120.8
	OUTFLOW - CFS	100.0	1391.0	1119.5	1228.4	676.7	385.2	350.6	100.0	1228.5	1228.5	1228.5	1031.7
	DIVERSION CFS												
1960	LEVEL - FT	1120.8	1121.3	1122.8	1123.5	1123.1	1122.5	1122.2	1122.1	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	260.1	300.0	451.8	384.1	368.6	327.4	100.0	406.8	406.8	406.8	874.3
	DIVERSION CFS												
1961	LEVEL - FT	1120.9	1120.9	1123.0	1123.5	1123.2	1122.6	1121.9	1121.7	1121.4	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	265.0	300.0	557.7	390.7	385.2	335.7	100.0	215.0	215.0	215.0	920.7
	DIVERSION CFS												
1962	LEVEL - FT	1120.8	1120.3	1121.3	1122.0	1121.7	1121.3	1120.9	1121.0	1120.9	1120.8	1120.8	1120.7
	OUTFLOW - CFS	100.0	1364.5	300.0	300.0	364.2	376.9	314.2	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS												
1963	LEVEL - FT	1120.9	1120.9	1122.1	1122.6	1122.5	1122.1	1121.8	1121.6	1121.5	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	256.7	300.0	300.0	312.8	418.4	339.0	100.0	257.3	257.3	257.3	724.7

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	DIVERSION CFS			500.0	500.0								
1964	LEVEL - FT	1120.9	1120.8	1122.1	1123.5	1123.5	1123.3	1123.3	1123.5	1122.8	1121.9	1121.3	1120.8
	OUTFLOW - CFS	100.0	275.0	300.0	1230.1	523.7	375.3	300.0	100.0	1266.4	1266.4	1266.4	875.6
	DIVERSION CFS												
1965	LEVEL - FT	1120.8	1121.5	1123.2	1123.5	1123.2	1122.9	1122.6	1122.6	1122.2	1121.7	1121.3	1121.3
	OUTFLOW - CFS	100.0	256.7	418.6	1204.6	354.3	405.1	332.4	100.0	634.4	634.4	634.4	100.0
	DIVERSION CFS												
1966	LEVEL - FT	1121.3	1121.4	1122.2	1122.3	1122.1	1121.6	1121.3	1121.0	1121.0	1121.1	1121.1	1120.8
	OUTFLOW - CFS	100.0	268.3	300.0	352.7	360.9	395.2	325.8	100.0	100.0	100.0	100.0	493.2
	DIVERSION CFS												
1967	LEVEL - FT	1120.8	1120.7	1122.0	1123.5	1123.0	1122.3	1121.8	1121.6	1121.5	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.4	306.5	300.0	416.6	364.2	378.6	324.1	100.0	127.7	127.7	127.7	955.1
	DIVERSION CFS												
1968	LEVEL - FT	1121.0	1120.9	1122.7	1123.6	1123.3	1123.1	1122.9	1122.7	1122.2	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	296.5	300.0	1366.0	384.1	383.6	302.6	100.0	813.7	813.7	813.7	733.4
	DIVERSION CFS												
1969	LEVEL - FT	1121.0	1121.0	1123.1	1123.5	1123.2	1122.6	1122.4	1122.3	1121.9	1121.6	1121.3	1121.4
	OUTFLOW - CFS	100.0	1379.4	1144.4	300.0	350.9	375.3	304.2	100.0	594.5	594.5	594.5	100.0
	DIVERSION CFS												
1970	LEVEL - FT	1121.4	1121.2	1121.8	1122.0	1121.5	1120.8	1120.4	1120.2	1120.1	1120.0	1119.9	1120.0
	OUTFLOW - CFS	100.0	270.0	300.0	300.0	365.9	368.6	300.9	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS												

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OKANAGAN RIVER SYSTEM
****

SCENARIO 4 PROJECTION TO 2020 LEVEL OF DEVELOPMENT

RUN #42
******* SCENARIO #4 EXACTLY AS SCENARIO #1 EXCEPT THAT AN ADDITIONAL 13700 ACRES OF INDIAN LAND ARE ASSUMED TO BE UNDER IRRIGATION

THE FOLLOWING DATA WERE USED

LAKE LEVEL ADJUSTED IN NOV-FEB TO BE AS CLOSE AS POSSIBLE TO 1120.8 AT THE END OF FEBRUARY

MINIMUM FLOW REQUIREMENTS - CFS 300.

		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
FISHERY REQUIREMENTS - CFS	MAX	1000.	1000.	0.	0.	0.	450.	500.	550.	1000.	1000.	1000.	1000.
	MIN	100.	100.	0.	0.	0.	300.	300.	100.	100.	100.	100.	100.

REGION 1 - OKANAGAN LAKE BASIN

CHANNEL CAPACITY	0. C.F.S.
POPULATION	340100. PERSONS
DOMESTIC WATER USAGE	0.2954 AF/PERS/YR
AREA IRRIGATED	47420. ACRES
IRRIGATION WATER DIVERTED	2.36 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	17870. ACRE FT/YR

REGION 2 - PENTICTON TO SKAHA LAKE DAM

CHANNEL CAPACITY	1470. C.F.S.
POPULATION	22800. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	5780. ACRES
IRRIGATION WATER DIVERTED	2.90 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	110. ACRE FT/YR

REGION 3 - SKAHA LAKE DAM TO S.O.L.I.D. DAM

CHANNEL CAPACITY	2160. C.F.S.
POPULATION	8100. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	4970. ACRES
IRRIGATION WATER DIVERTED	5.26 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	30. ACRE FT/YR

REGION 4 - S.O.L.I.D. DAM TO OLIVER

CHANNEL CAPACITY	2720. C.F.S.
POPULATION	11200. PERSONS
DOMESTIC WATER USAGE	0.3088 AF/PERS/YR
AREA IRRIGATED	2160. ACRES
IRRIGATION WATER DIVERTED	5.06 FT/ACRE/YR
INDUSTRIAL CONSUMPTIVE USE	70. ACRE FT/YR

DIVERSION INITIATED ON 9 OCCASIONS

PERCENTAGE OF OCCASIONS ON WHICH
OKANAGAN LAKE FALLS IN RANGE INDICATED

OPERATED FROM 1921-1970

(0 FT = 1119.8)

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	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN -3.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-3.0 TO -2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.5 TO -2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.0 TO -1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.5 TO -1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.1
-1.0 TO -0.5	0.0	1.0	0.0	0.0	0.0	0.0	1.8	1.0	1.0	1.0	1.0	0.8	0.6
-0.5 TO 0.0	3.8	3.4	0.0	0.0	0.0	1.8	1.0	2.6	1.6	3.4	2.6	1.8	1.8
0.0 TO 0.5	11.4	9.6	0.8	1.0	1.0	1.8	4.8	4.4	3.2	2.6	3.8	3.4	4.0
0.5 TO 1.0	26.8	21.0	0.8	0.8	1.0	4.4	7.6	10.6	14.8	15.6	13.6	14.0	10.9
1.0 TO 1.5	47.2	41.8	8.4	2.0	5.0	15.6	12.8	10.0	9.8	8.0	78.8	72.6	26.0
1.5 TO 2.0	10.6	19.4	7.6	7.4	10.8	9.0	15.6	14.4	31.0	52.6	0.2	6.4	15.4
2.0 TO 2.5	0.2	1.4	27.0	11.6	15.8	16.2	22.8	29.6	29.8	16.8	0.0	0.0	14.3
2.5 TO 3.0	0.0	2.4	22.2	9.8	11.6	23.6	23.4	15.0	6.6	0.0	0.0	0.0	9.5
3.0 TO 3.5	0.0	0.0	26.2	16.2	30.0	23.2	6.2	6.8	2.2	0.0	0.0	0.0	9.2
3.5 TO 4.0	0.0	0.0	5.6	45.4	24.2	4.4	4.0	5.6	0.0	0.0	0.0	0.0	7.4
4.0 TO 4.5	0.0	0.0	1.2	4.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
4.5 TO 5.0	0.0	0.0	0.2	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
5.0 TO 5.5	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5 TO 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1122.0	1122.7	1124.7	1125.0	1124.4	1123.7	1123.6	1123.7	1122.9	1122.2	1121.5	1121.5	1125.0
MEAN	1120.7	1120.9	1122.4	1122.9	1122.6	1122.1	1121.8	1121.7	1121.5	1121.3	1121.0	1120.7	1121.6
MIN	1119.3	1119.2	1120.2	1120.3	1120.2	1119.4	1119.0	1118.9	1119.1	1119.1	1118.9	1118.8	1118.8
RANGE	2.6	3.5	4.4	4.7	4.3	4.3	4.6	4.9	3.8	3.1	2.6	2.7	6.2

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM OKANAGAN LAKE FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	86.4	0.0	0.0	0.0	0.0	0.0	0.0	98.0	32.8	32.8	32.8	36.0	26.6
125 TO 150	0.0	0.2	0.0	0.0	0.0	0.0	0.0	2.0	2.2	2.2	2.2	1.8	0.9
150 TO 175	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.1
175 TO 200	0.2	7.2	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	0.0	1.6
200 TO 250	0.4	28.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	0.0	2.7
250 TO 300	0.0	36.4	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.6
300 TO 500	1.8	4.2	73.0	61.6	84.4	97.8	100.0	0.0	20.8	20.8	20.8	1.6	40.6
500 TO 1000	3.0	4.2	9.6	13.2	11.4	2.0	0.0	0.0	27.2	27.2	27.2	51.0	14.7
1000 TO 1500	8.0	19.4	17.4	25.2	4.2	0.2	0.0	0.0	10.2	10.2	10.2	8.0	9.4
1500 TO 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1470.0	1461.5	1298.1	1470.0	1470.0	1451.0	358.1	129.9	1250.1	1250.1	1250.1	1217.9	1470.0
MEAN	228.9	477.4	497.2	625.1	491.8	442.1	334.1	100.6	438.0	438.0	438.0	558.4	422.5
MIN	100.0	130.1	300.0	300.0	300.0	400.5	300.0	100.0	100.0	100.0	100.0	100.0	100.0
RANGE	1370.0	1331.4	998.1	1170.0	1170.0	1050.5	58.1	29.9	1150.1	1150.1	1150.1	1117.9	1370.0

PERCENTAGE OF OCCASIONS ON WHICH DISCHARGE
FROM VASEUX LAKE DAM FALLS IN RANGE INDICATED

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YEAR
LESS THAN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 TO 125	39.8	0.0	0.0	0.0	0.0	0.0	0.0	50.0	27.4	20.8	13.8	20.0	14.3
125 TO 150	38.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	4.8	12.2	19.2	14.2	10.7
150 TO 175	5.2	0.0	0.0	0.0	0.0	0.0	0.0	8.0	2.8	0.2	0.2	0.0	1.4
175 TO 200	0.2	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	1.8	1.8	0.8
200 TO 250	3.8	0.0	0.0	0.0	0.0	0.0	0.0	2.6	4.4	4.4	4.4	1.8	1.4
250 TO 300	0.0	72.8	6.0	35.4	76.8	95.8	92.0	0.0	2.2	1.0	2.4	0.0	32.0
300 TO 500	1.0	2.4	58.4	26.6	6.6	2.0	8.0	0.0	14.2	17.2	16.8	3.2	13.0
500 TO 1000	4.0	4.4	12.6	9.8	12.6	2.0	0.0	0.0	33.8	32.0	31.2	49.0	15.9
1000 TO 1500	8.0	18.4	23.0	28.2	4.0	0.2	0.0	0.0	10.2	10.2	10.2	10.0	10.2
1500 TO 2000	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
2000 TO 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MORE THAN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1482.0	1502.1	1467.1	1417.9	1401.7	1396.9	386.1	184.5	1273.5	1266.9	1279.1	1252.4	1502.1
MEAN	260.6	549.1	643.4	633.4	392.7	311.9	302.3	126.9	465.1	465.9	466.9	588.9	433.9
MIN	101.3	300.0	300.0	300.0	300.0	300.0	300.0	100.0	109.6	108.5	111.8	109.6	100.0
RANGE	1380.7	1202.1	1167.1	1117.9	1101.7	1096.9	86.1	84.5	1164.0	1158.4	1167.3	1142.8	1402.1

OKANAGAN LAKE

MONTHLY LAKE LEVELS AND OUTFLOWS FOR 2020 LEVEL OF DEVELOPMENT

YEAR		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1921	LEVEL - FT	1120.8	1120.8	1122.8	1123.5	1123.1	1122.5	1122.0	1121.9	1121.6	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	244.5	300.0	975.6	416.8	440.3	349.8	100.0	351.4	351.4	351.4	620.9
	DIVERSION CFS												
1922	LEVEL - FT	1120.9	1120.8	1122.1	1123.0	1122.4	1121.8	1121.6	1121.6	1121.4	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	249.4	300.0	300.0	433.4	435.4	324.9	100.0	178.9	178.9	178.9	693.8
	DIVERSION CFS												
1923	LEVEL - FT	1121.0	1121.0	1122.5	1123.5	1123.3	1122.7	1122.2	1122.1	1121.8	1121.8	1121.3	1121.4
	OUTFLOW - CFS	100.0	617.8	300.0	1162.9	401.9	433.7	346.5	100.0	310.6	310.6	310.6	100.0
	DIVERSION CFS												
1924	LEVEL - FT	1121.5	1121.3	1122.6	1122.7	1121.9	1121.2	1120.7	1120.6	1120.6	1120.6	1120.7	1120.7
	OUTFLOW - CFS	100.0	262.7	300.0	394.1	445.0	447.0	353.1	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS			500.0	500.0								
1925	LEVEL - FT	1120.8	1121.1	1122.6	1122.8	1122.1	1121.3	1120.8	1120.6	1120.4	1120.5	1120.6	1120.5
	OUTFLOW - CFS	100.0	208.0	333.2	354.3	438.3	456.9	356.4	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS												
1926	LEVEL - FT	1120.6	1120.9	1121.7	1121.5	1121.2	1120.4	1119.9	1120.2	1120.6	1120.5	1120.5	1120.4
	OUTFLOW - CFS	100.0	214.6	300.0	422.3	438.3	451.9	349.8	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS			500.0	500.0	500.0	0.0	0.0	500.0	500.0	0.0	0.0	0.0
1927	LEVEL - FT	1120.3	1120.4	1121.2	1122.2	1121.7	1121.2	1121.5	1122.2	1121.9	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	254.4	300.0	300.0	420.1	433.7	300.0	129.9	769.0	769.0	769.0	854.9
	DIVERSION CFS	110.0	247.0										
1928	LEVEL - FT	1120.5	1121.2	1124.7	1125.0	1124.4	1123.5	1123.1	1122.9	1122.7	1121.9	1121.3	1121.1
	OUTFLOW - CFS	778.9	188.1	1082.6	1377.7	1460.5	798.3	341.5	100.0	810.7	810.7	810.7	100.0
	DIVERSION CFS												
1929	LEVEL - FT	1121.2	1121.0	1121.3	1121.8	1121.5	1121.1	1121.2	1121.0	1120.8	1120.6	1120.5	1120.5
	OUTFLOW - CFS	100.0	262.7	306.7	357.6	440.0	415.5	300.0	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS			500.0	500.0	500.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1930	LEVEL - FT	1120.5	1121.1	1121.4	1121.8	1121.6	1121.0	1120.6	1120.3	1120.4	1120.1	1120.1	1119.9
	OUTFLOW - CFS	100.0	222.9	303.4	370.9	435.0	433.7	336.5	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS	0.0	500.0	500.0	500.0	500.0	0.0	0.0	0.0	106.0	0.0	0.0	0.0
1931	LEVEL - FT	1120.1	1120.3	1121.0	1121.0	1120.9	1120.1	1119.7	1119.6	1119.8	1119.8	1119.6	1119.5
	OUTFLOW - CFS	100.0	256.1	300.0	397.4	421.8	458.6	343.2	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS	208.0	500.0	500.0	500.0	500.0	0.0	0.0	191.0	379.0	0.0	0.0	0.0
1932	LEVEL - FT	1120.1	1120.9	1122.6	1123.4	1122.9	1122.5	1122.1	1122.0	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	203.0	300.0	300.0	425.1	423.7	336.5	100.0	456.0	456.0	456.0	780.3
	DIVERSION CFS	401.0	500.0										
1933	LEVEL - FT	1120.9	1120.3	1121.9	1123.5	1123.4	1122.8	1122.6	1122.8	1122.2	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	1378.4	300.0	329.2	383.6	440.3	318.3	100.0	1125.0	1125.0	1125.0	862.9

	DIVERSION CFS												
1934	LEVEL - FT	1121.2	1122.7	1123.3	1123.0	1122.6	1122.1	1121.8	1121.6	1121.6	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	1227.8	921.3	392.4	418.5	427.1	334.9	100.0	451.8	451.8	451.8	947.7
	DIVERSION CFS												
1935	LEVEL - FT	1121.1	1120.3	1122.1	1123.2	1123.5	1123.3	1123.1	1122.9	1122.3	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	1425.0	300.0	300.0	852.7	405.5	326.6	100.0	950.5	950.5	950.5	624.5
	DIVERSION CFS												
1936	LEVEL - FT	1120.9	1121.6	1123.3	1123.5	1123.2	1122.6	1122.2	1122.0	1121.6	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	176.5	421.1	903.8	411.8	437.0	338.2	100.0	267.5	267.5	267.5	959.3
	DIVERSION CFS												
1937	LEVEL - FT	1120.9	1120.9	1122.3	1123.5	1123.2	1122.5	1122.2	1122.1	1121.9	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	239.5	300.0	526.2	413.5	445.3	333.2	100.0	568.5	568.5	568.5	859.5
	DIVERSION CFS												
1938	LEVEL - FT	1120.9	1121.3	1123.0	1123.2	1122.7	1122.1	1121.8	1121.6	1121.3	1121.3	1121.3	1121.2
	OUTFLOW - CFS	100.0	247.3	300.0	351.0	426.7	443.6	326.6	100.0	180.3	180.3	180.3	100.0
	DIVERSION CFS												
1939	LEVEL - FT	1121.2	1121.5	1122.4	1122.5	1122.0	1121.2	1120.8	1120.6	1120.5	1120.6	1120.5	1120.5
	OUTFLOW - CFS	100.0	222.9	300.0	357.6	421.8	453.6	339.8	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS												
1940	LEVEL - FT	1120.7	1121.0	1121.8	1121.6	1121.3	1120.4	1120.1	1120.3	1120.5	1120.4	1120.5	1120.4
	OUTFLOW - CFS	100.0	217.9	300.0	390.8	438.3	455.2	333.2	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS					500.0	0.0	0.0	500.0	500.0	0.0	0.0	0.0
1941	LEVEL - FT	1120.7	1121.7	1122.1	1122.4	1122.0	1121.5	1121.5	1121.8	1121.7	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	184.8	300.0	349.3	410.2	432.0	305.0	100.0	449.1	449.1	449.1	904.6
	DIVERSION CFS	262.0	500.0										
1942	LEVEL - FT	1120.8	1121.4	1122.9	1123.6	1123.5	1122.9	1122.4	1122.2	1121.8	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	184.8	1111.0	1346.2	684.6	435.4	343.2	100.0	459.5	459.5	459.5	899.7
	DIVERSION CFS												
1943	LEVEL - FT	1120.8	1121.1	1122.2	1123.3	1122.9	1122.3	1121.7	1121.7	1121.5	1121.4	1121.3	1121.4
	OUTFLOW - CFS	100.0	214.6	300.0	300.0	395.2	425.4	344.8	100.0	106.1	106.1	106.1	100.0
	DIVERSION CFS			500.0	500.0								
1944	LEVEL - FT	1121.3	1121.3	1121.9	1122.7	1122.2	1121.6	1121.4	1121.4	1121.4	1121.3	1121.3	1120.8
	OUTFLOW - CFS	100.0	257.7	300.0	300.0	416.8	430.4	338.2	100.0	206.6	206.6	206.6	936.1
	DIVERSION CFS												
1945	LEVEL - FT	1120.8	1120.7	1122.8	1123.5	1123.0	1122.4	1122.0	1122.1	1121.8	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	261.0	841.3	858.2	391.9	435.4	334.9	100.0	561.3	561.3	561.3	815.1
	DIVERSION CFS												
1946	LEVEL - FT	1120.9	1120.8	1123.6	1124.2	1123.5	1123.0	1122.6	1122.3	1122.1	1121.7	1121.3	1121.3
	OUTFLOW - CFS	100.0	1357.1	1157.2	1321.3	946.4	415.5	308.4	100.0	505.8	505.8	505.8	100.0
	DIVERSION CFS												
1947	LEVEL - FT	1121.5	1121.7	1122.2	1122.3	1121.8	1121.2	1120.9	1120.9	1120.9	1120.9	1120.9	1120.8
	OUTFLOW - CFS	100.0	271.0	300.0	367.6	400.2	447.0	351.5	100.0	100.0	100.0	100.0	134.2
	DIVERSION CFS												
1948	LEVEL - FT	1119.8	1119.2	1122.3	1123.6	1123.5	1123.5	1123.4	1123.6	1122.8	1122.1	1121.3	1120.8
	OUTFLOW - CFS	1455.8	1401.8	1052.8	1167.2	585.2	855.5	300.0	100.0	1036.1	1036.1	1036.1	997.1
	DIVERSION CFS												
1949	LEVEL - FT	1121.0	1121.9	1123.7	1123.5	1123.3	1122.9	1122.5	1122.3	1122.0	1121.9	1121.3	1120.8
	OUTFLOW - CFS	100.0	181.5	1298.1	746.7	395.2	432.0	341.5	100.0	577.5	577.5	577.5	854.9
	DIVERSION CFS												
1950	LEVEL - FT	1120.6	1119.9	1121.6	1123.5	1123.2	1122.9	1122.4	1122.4	1122.1	1121.8	1121.3	1120.8
	OUTFLOW - CFS	574.9	1413.4	300.0	510.6	385.3	413.8	341.5	100.0	651.5	651.5	651.5	1217.9
	DIVERSION CFS												
1951	LEVEL - FT	1120.0	1120.0	1122.9	1123.5	1123.3	1122.7	1122.4	1122.5	1122.1	1121.8	1121.3	1120.8
	OUTFLOW - CFS	1414.4	1352.1	1094.2	516.1	446.6	427.1	349.8	100.0	642.1	642.1	642.1	1022.0
	DIVERSION CFS												
1952	LEVEL - FT	1120.9	1121.6	1123.7	1123.5	1123.4	1122.8	1122.4	1122.3	1121.8	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	437.4	1086.0	1246.2	300.0	415.5	316.6	100.0	530.3	530.3	530.3	883.1
	DIVERSION CFS												
1953	LEVEL - FT	1120.8	1120.7	1122.0	1123.1	1122.8	1122.5	1122.1	1122.0	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	257.7	300.0	300.0	396.9	422.1	339.8	100.0	487.7	487.7	487.7	899.3
	DIVERSION CFS												
1954	LEVEL - FT	1120.9	1120.7	1122.5	1123.5	1123.5	1123.3	1123.4	1123.4	1122.9	1122.1	1121.3	1120.8
	OUTFLOW - CFS	100.0	276.0	874.5	780.8	860.3	410.5	348.1	100.0	1250.1	1250.1	1250.1	841.7
	DIVERSION CFS												
1955	LEVEL - FT	1120.9	1120.0	1120.8	1122.9	1123.2	1122.6	1122.4	1122.3	1121.8	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	1461.5	300.0	300.0	459.9	470.2	353.1	100.0	691.4	691.4	691.4	730.6
	DIVERSION CFS												
1956	LEVEL - FT	1121.0	1121.0	1123.1	1123.5	1123.2	1122.7	1122.4	1122.3	1121.9	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	1255.9	1263.3	1409.4	464.9	470.2	353.1	100.0	518.3	518.3	518.3	911.3
	DIVERSION CFS												
1957	LEVEL - FT	1120.9	1121.0	1123.3	1123.5	1123.1	1122.8	1122.6	1122.5	1122.0	1121.6	1121.3	1120.8
	OUTFLOW - CFS	100.0	236.2	1208.6	385.8	411.8	445.3	356.4	100.0	701.6	701.6	701.6	1065.4
	DIVERSION CFS												
1958	LEVEL - FT	1121.0	1121.2	1122.9	1123.1	1122.6	1121.9	1121.5	1121.5	1121.4	1121.3	1121.3	1120.8
	OUTFLOW - CFS	100.0	300.3	953.4	344.4	415.1	443.6	353.1	100.0	333.7	333.7	333.7	830.0
	DIVERSION CFS												
1959	LEVEL - FT	1121.0	1120.4	1122.6	1123.8	1123.5	1122.9	1123.0	1123.3	1122.7	1122.0	1121.3	1120.8
	OUTFLOW - CFS	100.0	1388.6	897.4	1256.4	523.2	417.1	358.1	100.0	1198.7	1198.7	1198.7	1032.3
	DIVERSION CFS												
1960	LEVEL - FT	1120.8	1121.3	1122.7	1123.4	1122.9	1122.3	1122.0	1121.8	1121.7	1121.5	1121.3	1120.8
	OUTFLOW - CFS	100.0	257.7	300.0	300.0	415.1	400.5	334.9	100.0	302.2	302.2	302.2	874.8
	DIVERSION CFS												
1961	LEVEL - FT	1120.9	1120.9	1122.9	1123.5	1123.1	1122.4	1121.7	1121.5	1121.3	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	262.7	300.0	300.0	421.8	417.1	343.2	100.0	145.9	145.9	145.9	920.9
	DIVERSION CFS												
1962	LEVEL - FT	1120.8	1120.3	1121.1	1121.8	1121.8	1121.3	1120.9	1121.3	1121.7	1121.6	1121.5	1121.5
	OUTFLOW - CFS	100.0	1362.1	300.0	300.0	395.2	408.8	321.6	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS					500.0	0.0	0.0	500.0	500.0	0.0	0.0	0.0
1963	LEVEL - FT	1122.0	1122.0	1122.7	1122.7	1122.6	1122.1	1121.9	1121.6	1121.5	1121.4	1121.3	1120.8
	OUTFLOW - CFS	100.0	254.4	300.0	312.9	343.9	450.3	346.5	100.0	275.7	275.7	275.7	725.6

RUN 42 - 2020 DEV. - PROJECTION 4

. . . Continued

	DIVERSION CFS	500.0											
1964	LEVEL - FT	1120.9	1120.8	1121.9	1123.5	1123.5	1123.3	1123.3	1123.4	1122.8	1121.8	1121.3	1120.8
	OUTFLOW - CFS	100.0	272.6	300.0	974.0	434.3	407.2	300.0	100.0	1239.1	1239.1	1239.1	876.5
	DIVERSION CFS												
1965	LEVEL - FT	1120.8	1121.4	1123.2	1123.5	1123.1	1122.8	1122.5	1122.5	1122.1	1121.7	1121.3	1121.3
	OUTFLOW - CFS	100.0	254.4	300.0	1035.6	385.3	437.0	339.8	100.0	575.2	575.2	575.2	100.0
	DIVERSION CFS												
1966	LEVEL - FT	1121.3	1121.3	1122.0	1122.1	1121.9	1121.2	1120.9	1120.6	1120.6	1120.7	1120.7	1120.7
	OUTFLOW - CFS	100.0	266.0	300.0	384.1	391.9	427.1	333.2	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS												
1967	LEVEL - FT	1120.7	1120.6	1121.8	1123.3	1122.7	1122.0	1121.5	1121.3	1121.2	1121.2	1121.0	1120.8
	OUTFLOW - CFS	100.0	304.1	300.0	300.0	395.2	410.5	331.6	100.0	100.0	100.0	100.0	586.7
	DIVERSION CFS												
1968	LEVEL - FT	1121.0	1120.8	1122.6	1123.5	1123.2	1122.8	1122.7	1122.5	1122.1	1121.7	1121.3	1120.8
	OUTFLOW - CFS	100.0	294.2	300.0	1207.7	415.1	415.5	310.0	100.0	711.2	711.2	711.2	733.9
	DIVERSION CFS												
1969	LEVEL - FT	1121.0	1121.0	1123.0	1123.3	1123.0	1122.3	1122.1	1122.0	1121.7	1121.6	1121.3	1121.4
	OUTFLOW - CFS	100.0	1377.0	1072.3	300.0	382.0	407.2	311.7	100.0	463.4	463.4	463.4	100.0
	DIVERSION CFS												
1970	LEVEL - FT	1121.4	1121.1	1121.7	1121.8	1121.6	1120.8	1120.4	1120.5	1120.7	1120.6	1120.5	1120.7
	OUTFLOW - CFS	100.0	267.7	300.0	311.2	396.9	400.5	308.4	100.0	100.0	100.0	100.0	100.0
	DIVERSION CFS					500.0	0.0	0.0	361.0	500.0	0.0	0.0	0.0

APPENDIX D

GRID SQUARE MODEL

D-1 Description of Model

D-2 Basic and Derived Average Climatic and Hydrometric Data

APPENDIX D-1

GRID SQUARE MODEL
(DESCRIPTION)

D.1.1 Introduction

D.1.2 Data

D.1.3 Information Available

APPENDIX D-1

GRID SQUARE MODEL

(DESCRIPTION)

D.1.1 INTRODUCTION

The Grid Square Hydrologic Model described in detail in Technical Supplement II - Water Quantity Computer Models provides estimates of the mean monthly temperature, precipitation, evapotranspiration and runoff distribution over large areas. Data has been obtained with respect to points on a five kilometer and ten kilometer grid over the whole basin. It will be noted that six square is the minimum recommended per basin.

D.1.2 DATA

With the five-kilometer grid square shown in Figure D.1, 411 squares fall within or on the boundary of the Okanagan Basin while the total including the surrounding areas is some 500 squares. The latter compares with 125 ten-kilometer grids for the same area.

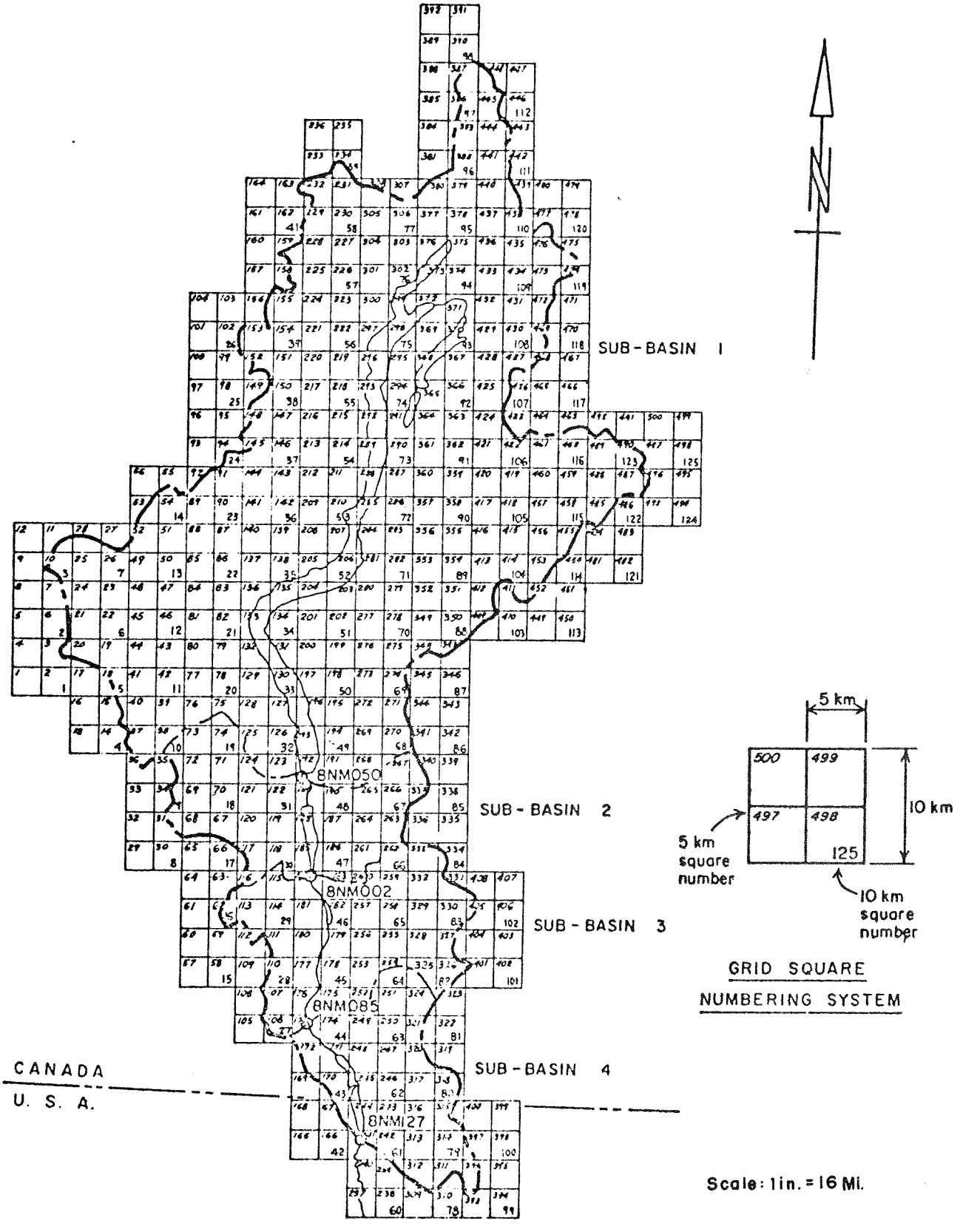
Raw physiographic data for the study basin were extracted manually from a series of National Topographic Government of Canada maps and United States Geological Survey Maps. The following list gives a breakdown of the maps and scales used:

Map Series	Scale	Sheet Numbers	Areas Covered
Government of Canada	1:250,000	82 E, L, M	Penticton, Vernon, Seymour Arm
Government of Canada	1:250,000	92 G, H, I, P	Vancouver, Hope, Ashcroft, Bonaparte River
World Aeronautical	1:1,000,000	2215	Fraser River
Chart Series	1:1,000,000	2216	Kootenay River
U.S.G.S.	1:250,000	NM 10-12	Concrete
U.S.G.S.	1:250,000	NM 11-10	Okanagan
U.S.G.S.	1:250,000	NL 10-3	Wenatchee
U.S.G.S.	1:500,000	State of Wash.	Washington

a) Physiographic Data

The physiographic characteristics considered in the application of the grid square method to the Okanagan Study consisted of parameters that are defined as follows:

i) Elevation: The mean elevation of a square was obtained by averaging nine elevation points at the grid square corners, intermediate sides



GRID SQUARE LAYOUT

Figure D.1

and the center. (Figure D.2)

ii) Land Slope: An index of average land slope of a grid square was considered using two independent methods (Figure D.3).
- Horton's Method - consists of counting the number of contour lines crossing two perpendicular center lines of the square which are parallel to the sides. (Figure D.4).
- Plan Fitting Method - involves computation of plans through four elementary squares to produce an average plan of best fit for the grid square.

iii) Azimuth of Slope: The azimuth is referred to the slope as defined by the Plan Fitting Method and is shown in Figure D.3.

iv) Distance to Barrier: The index adopted was the distance from the center of a square to a line drawn along the divide of the Coast Range Mountains. Two wind directions were used: 251°40' and 236°40' measured from true north at longitude 119°30'. The 251°40' direction was chosen since it was used in studies of References 1 and 6. The results of the earlier work of Reference 2 on the South Thompson region suggested a more southerly direction (227° to 238°). Hence, for comparison of the relative statistical significance of each direction an even offset of 15° from the former direction was chosen.

v) X and Y Co-ordinates: The co-ordinates of the center of each square are references to an origin on the Pacific Ocean which was drawn parallel to the grid system and positioned 88 kilometers south of the Canada-U.S. border as measured along the 119°30' longitude. (see Figure D.5). The latitude index is simply the Y co-ordinate.

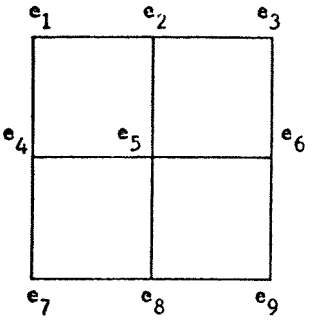
vi) Barrier Height: The barrier height is defined as the difference between the highest elevation along a given line and an average elevation for the base of trough of the barrier on the leeward side obtained by visual inspection. For each square a weighted average (see Figure D.6) was calculated from values measured along five parallel lines evenly spaced over a width of 14.3 kilometers centered over the given square. Distances to individual barrier heights were also extracted. The Coast Range was used as the barrier.

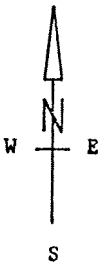
vii) Shield Effect: The shield effect is defined as the summation of the barrier height and other local barrier heights along a given line. The barriers considered along the two wind directions were the Coast, Thompson and Okanagan barriers. A definition sketch is given in Figure D.6.

viii) Area: Partial sub-basin land and lake areas and total areas were extracted by planimeter for all grid squares.

b) Extraction of Physiographic Parameters

Raw physiographic data extracted by hand from maps consisted of the nine grid square elevation points, intercept contour lines (Horton's slope), dis-

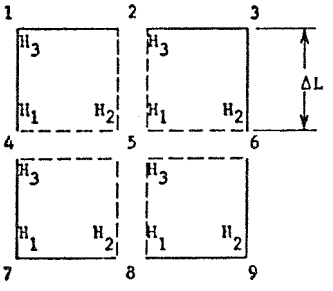




Typical grid square showing nine grid points

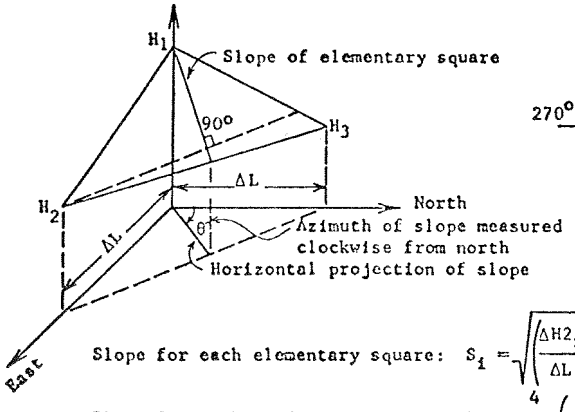
Mean Elevation: $E = \sum_{m=1}^{9} \frac{e_m}{9}$ (feet)

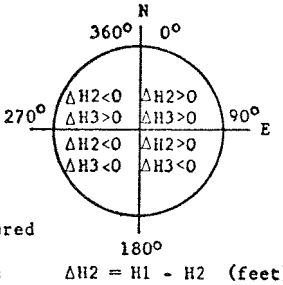
MAIN ELEVATION Figure D.2





Typical grid square divided into four elementary squares





$\Delta H2 = H1 - H2$ (feet)

$\Delta H3 = H1 - H3$

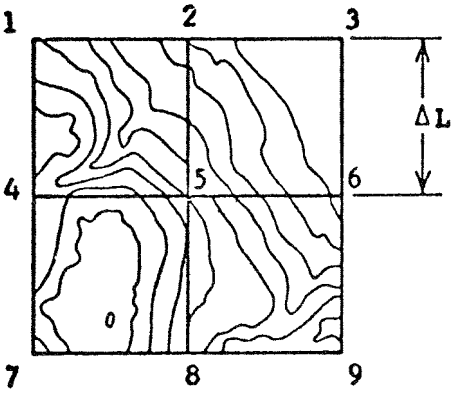
Slope for each elementary square: $S_i = \sqrt{\left(\frac{\Delta H2_i}{\Delta L}\right)^2 + \left(\frac{\Delta H3_i}{\Delta L}\right)^2}$

Slope for each grid square: $S = \sum_{i=1}^{4} \left(\frac{Si}{4}\right)$ (feet/mile)

Azimuth for each grid square: $A_z = \tan^{-1}\left(\frac{\sum_{i=1}^{4} \Delta H2_i}{\sum_{i=1}^{4} \Delta H3_i}\right)$ (radians)

angle is determined by considering the signs of the numerator and denominator as above

SLOPE and AZIMUTH BY PLANE FITTING METHOD Figure D.3



Slope for each grid square: $S = \frac{NZ \text{ Sec } A}{L}$ (feet/mile)

where: N = total number of contour lines crossing or tangent to the perpendicular center lines (16 above)

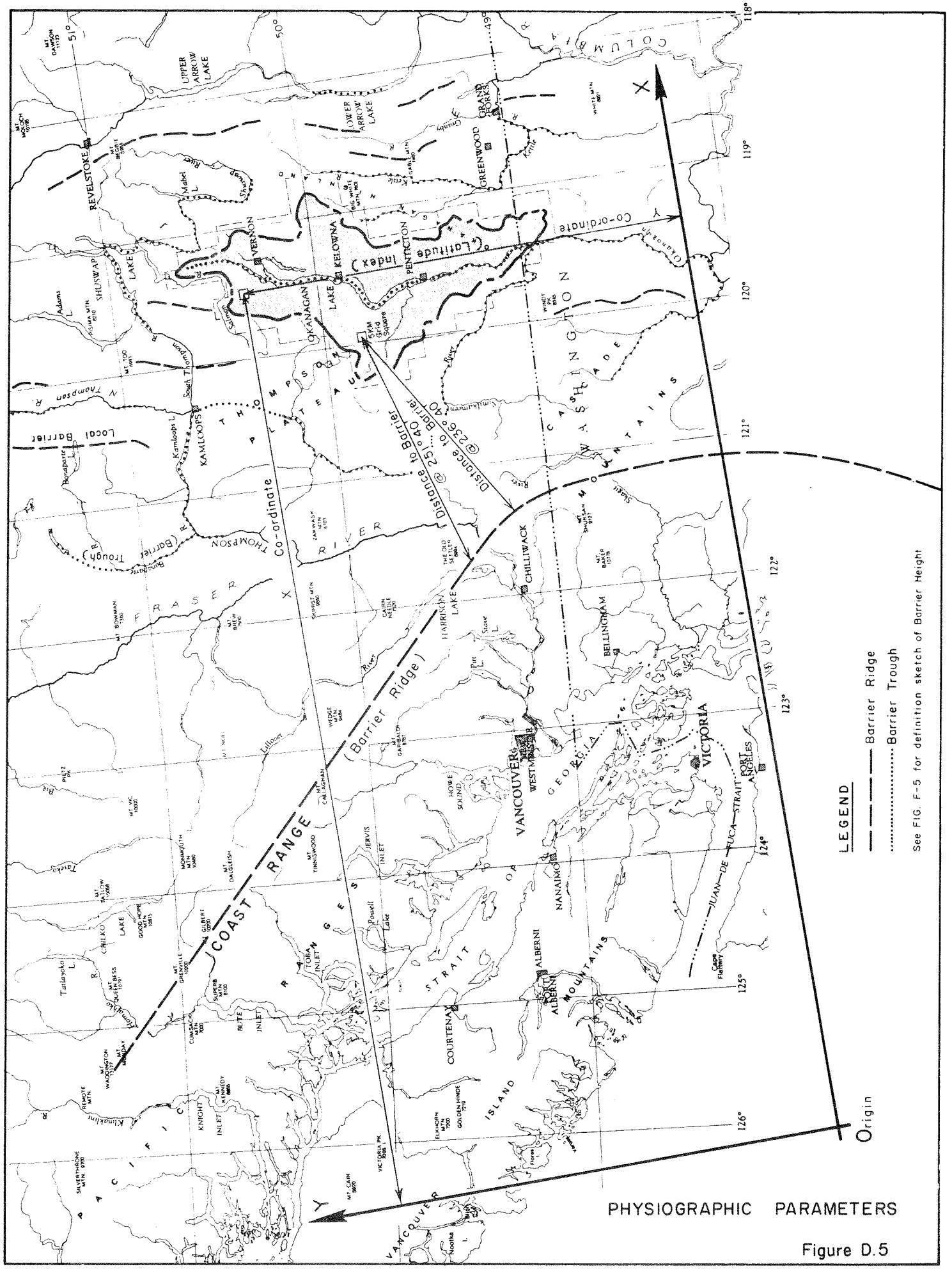
Z = contour interval (feet)

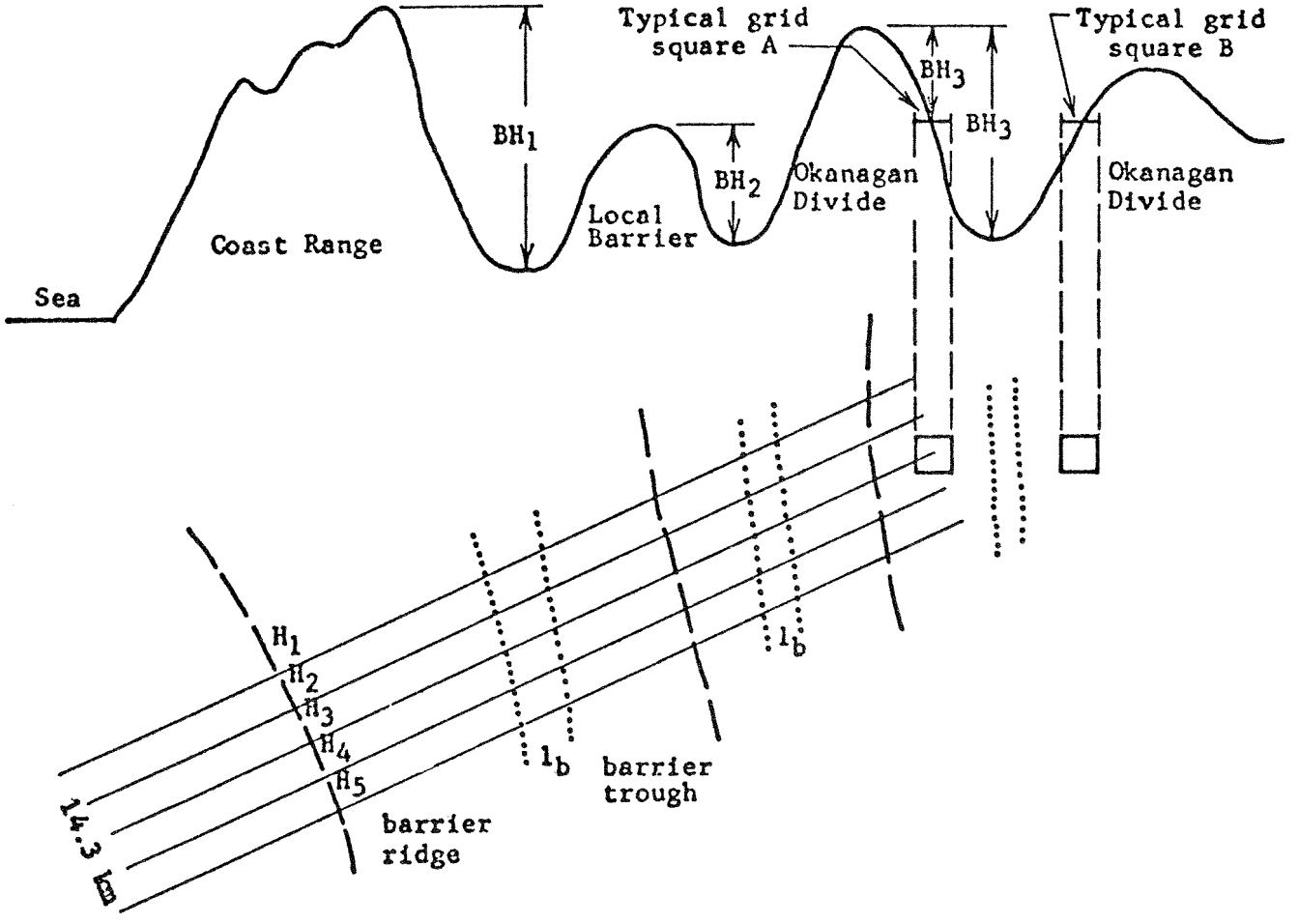
L = total length of perpendicular center lines
= 4 ΔL (feet)

A = angle between contours and center lines
= 1.571 (used as an average secant)

SLOPE BY HORTON'S METHOD

Figure D.4


LEGEND
Barrier Ridge
Barrier Trough
See FIG. F-5 for definition sketch of Barrier Height
PHYSIOGRAPHIC PARAMETERS
Figure D.5
Origin
X
Y
Co-ordinate
(Latitude Index)
Distance to Barrier @ 236° to 40°
Distance to Barrier @ 215° to 40°
(Barrier Ridge)
(Barrier Trough)
COAST RANGE
FRASER
THOMPSON
RIVER
PLATEAU
OKANAGAN
LAKE
CASCADE MOUNTAINS
COLUMBIA
REVELSTOKE
VERNON
KELOWNA
PENTICTON
GREENWOOD
KAMLOOPS
CHILLIWACK
VANCOUVER
VICTORIA
NANAIMO
COURTENAY
ALBERNI
PORT ALBERNI
PORT ANGELES
BELLINGHAM
GEORGIA STRAIT
JUAN DE FUCA STRAIT
QUEEN CHARLOTTE ISLANDS
VANCOUVER ISLAND
PACIFIC
OCEAN
118°
119°
120°
121°
122°
123°
124°
125°
126°
50°
49°



For each barrier the group of five lines is inspected for the highest elevation along each line and in the vicinity of the barrier. One value for the average trough elevation is determined by eye and is used for each barrier. The trough for a square situated as Square A above, will be the average grid square elevation. See Figure F-1 for a plan view of the barriers.

Barrier Height for each grid square: $$BH_i = \frac{3H_3 + 2(H_2 + H_4) + H_1 + H_5}{9} - l_b \quad \text{(feet)}$$

Shield Effect for each grid square: $$SE = \Sigma BH_i = BH_1 + BH_2 + BH_3 + \ldots\ldots \quad \text{(feet)}$$

BARRIER HEIGHT AND SHIELD EFFECT

Figure D.6

tances to barrier, X and Y co-ordinates, barrier height components, shield effect components and partial and total areas. Physiographic parameters calculated by the computer consisted of the average elevation, average land slope, azimuth of slope, barrier height and shield effect. Physiographic information for meteorological and snow course stations were extracted from five and ten-kilometer squares centered over the corresponding squares. The elevation at the climatological station was used rather than the average elevation of the square.

D.1.3 INFORMATION AVAILABLE

Table D.1 lists the computer results contained in this Technical Supplement. The results are summarized in the last two tables namely:

D.19 - Okanagan Lake Sub-Basin Estimates

D.20 - Estimates of Okanagan Lake Tributary Sub-Basin Runoff.

For those interested in the details of modelling, reference should be made to Technical Supplement II.

TABLE D.1

HYDROMETEOROLOGICAL DATA CONTAINED IN APPENDIX D

Reference No.	Description	PAGE Appendix D-2
D.2	Estimated Mean Okanagan Lake Tributary Sub-Basin Runoff Mean Monthly Runoff (1931-1960) in c.f.s.)	451
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APPENDIX D-2

BASIC AND DERIVED AVERAGE CLIMATIC AND HYDROMETRIC DATA

TABLE D-2	Estimated Okanagan Lake Tributary Sub Basin Runoff
TABLES D-3 to D-9	Input for Multiple Progression Programs
TABLES D-10 to D-14	Grid Square Physiographic Data
TABLES D-15 to D-19	Estimated Temperature, Precipitation, Actual Evapotranspiration and Runoff Data, Resulting from the Trial Runs of Group N (1931-60) Study Period.

APPENDIX D-2

BASIC AND DERIVED AVERAGE CLIMATIC AND HYDROMETRIC DATA

LIST OF SYMBOLS USED IN TABLES

Table	Symbol	Representation
D-3 to D-13	SNO	Station number.
D-14 and D-15	SQN	Grid Square Number
	SELEV	Station elevation in feet.
	X	X-coordinate in kilometers.
	Y	Y-coordinate in kilometers.
	ELEV	Average elevation of square in feet.
	HSL	Average slope of square by Horton's method in feet/mile.
	PSL	Average slope of square by the Plane Fitting method in feet/mile.
	AZIM	Azimuth of slope (Plane Fitting Method) in radians measured clockwise from true north.
D-10 to D-14	DB1 & DB2	Distance to barrier in kilometers.
	BH1 & BH2	Barrier height in feet.
D-9	SE1 & SE2	Shield effect in feet.
	1	Indicates direction at 251°40'.
	2	Indicates direction at 236°40'.
D-14	Area 1-5	Sub-basins of Okanagan Lake, Skaha Lake, Oliver, Osoyoos Lake and Total regions. All areas are in square kilometers.
D-15	S	Start of summer months.
	EN	End of summer months. Summer months are defined as those whose mean monthly temperatures are 32° F.
D-16	WPREC	Total winter precipitation in inches as derived from winter season regression equations.
	APREC	Annual precipitation in inches which is the sum of the winter and the remaining monthly precipitation.

TABLE D-2

ESTIMATED OKANAGAN LAKE TRIBUTARY SUB-BASIN RUNOFF

Mean Monthly Runoff (1931-60) in cfs

Sub-Basin	Area (sq.mi.)	Mean Basin Elevation (feet)	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Mean Annual Runoff		
															(cfs)	(in.)	(KAF)*
Deep Creek	105.6	1880	0	0	0	20	48	37	18	9	4	2	1	0	11.6	1.5	8.4
Equesis Creek	77.3	4060	0	0	0	52	123	95	47	21	12	6	3	2	30.1	5.3	21.8
Kelowna Creek	84.1	3740	0	0	0	49	112	85	40	20	11	6	4	0	27.2	4.4	19.7
Mission Creek	341.0	4580	2	0	2	324	1005	762	370	184	96	53	25	9	236.0	9.4	171.0
Peachland Creek	55.5	4220	0	0	0	23	47	36	17	9	4	3	1	0	11.7	2.9	8.5
Penticton Creek	69.2	5240	0	0	0	67	208	159	77	38	19	9	5	3	48.8	9.6	35.4
Powers Creek	49.5	4300	0	0	0	27	61	47	23	11	6	4	1	0	15.0	4.1	10.9
Trout Creek	301.4	4600	0	0	0	185	473	360	174	88	43	22	12	2	113.2	5.1	82.0
Vernon Creek	289.8	3030	0	0	0	140	315	264	119	58	31	15	9	9	79.2	3.7	57.4

* Kilo acre-feet.

TABLE D-3 MEAN MONTHLY TEMPERATURE STATION DATA GROUP N

SNO	STATION NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
2	ARMSTRONG	20.8	25.2	35.0	46.5	55.2	61.3	66.3	63.7	55.7	44.5	33.4	26.9	44.54
12	FAUQUIER	24.8	27.3	34.6	45.4	54.1	59.7	65.8	63.3	54.6	44.2	34.9	29.8	44.88
14	GREENWOOD	19.5	24.4	34.3	44.1	53.0	58.2	64.0	61.3	54.1	43.5	31.5	23.3	42.60
15	HEDLEY	23.1	28.6	37.7	47.4	55.6	61.2	67.7	66.1	58.6	46.7	34.2	27.1	46.16
18	KAMLOOPS	22.6	27.6	38.6	49.6	58.4	64.3	70.0	67.6	59.4	47.4	35.2	28.3	47.48
21	KELOWNA	26.3	29.8	37.7	47.6	56.2	62.5	68.2	66.0	57.7	46.8	36.6	31.2	47.21
23	KEREMEOS	25.9	31.3	40.8	51.1	59.2	64.5	71.1	69.5	61.8	50.1	36.7	29.9	49.32
33	OKANAGAN CENTRE	27.4	30.6	39.0	47.6	56.0	62.5	68.2	66.5	58.8	48.1	37.2	31.8	47.73
35	OLIVER 2	26.3	30.9	40.4	50.9	59.3	65.6	72.0	69.5	60.8	49.3	37.0	30.8	49.40
39	PRINCETON A	18.0	24.2	34.0	44.2	52.2	57.7	63.4	61.7	55.2	43.8	30.7	22.7	42.32
40	REVELSTOKE	22.2	26.7	35.3	44.9	54.7	60.7	66.4	64.1	56.4	44.1	32.8	26.3	44.55
42	SALMON ARM	23.5	27.8	36.5	46.9	55.9	61.6	67.5	65.6	57.9	46.3	34.6	28.7	45.06
47	SUMMERLAND CDA	25.8	29.8	38.7	48.8	57.3	63.3	69.8	67.8	60.0	48.6	36.3	30.4	48.05
48	TAPPEN	25.8	28.1	36.2	47.0	56.1	62.0	67.5	65.5	57.1	46.0	34.9	29.7	46.33
49	VAVENBY	18.1	24.2	34.7	45.4	54.0	59.4	64.2	61.9	54.6	43.7	31.6	24.2	43.00
50	VERNON	22.7	27.4	36.9	48.1	56.8	62.8	68.6	66.0	57.7	46.1	35.2	28.9	46.43
51	VERNON COLDSTR RANCH	22.3	26.1	35.8	47.2	55.6	61.4	66.7	64.4	56.6	45.6	33.9	27.4	45.25
52	WESTWOLD	18.8	24.3	34.2	44.5	53.0	58.6	63.6	61.3	53.7	43.0	31.5	24.6	42.59
53	CHESAW 4NNW	18.7	24.1	32.2	42.6	50.9	56.7	63.3	61.6	54.5	43.1	29.2	22.1	41.59
54	CONCONULLY	20.7	26.2	35.4	46.0	54.3	59.9	66.8	65.2	58.2	46.6	32.4	25.2	44.73
58	LAURIER	22.7	27.3	36.9	47.8	56.7	62.4	69.4	67.4	59.2	46.6	33.6	26.9	46.42
62	NESPELEM 2S	23.9	28.8	38.5	48.0	56.1	62.0	69.2	67.2	59.6	48.7	35.0	28.8	47.15
63	OMAK 2NW	24.1	28.9	40.1	50.5	58.8	65.1	71.9	69.6	61.0	48.9	35.3	28.4	48.57
64	OROVILLE 1S	26.2	31.0	41.0	51.5	59.4	65.5	72.4	70.4	62.4	50.3	37.2	30.6	49.82
65	REPUBLIC	20.6	25.6	34.9	44.3	52.3	57.6	64.0	62.4	55.7	44.7	31.9	24.9	43.25
66	STEHEKIN 3NW	27.4	30.9	37.7	47.1	55.0	60.5	66.4	64.8	57.2	46.6	36.0	30.8	46.71
67	STOCKDILL RANCH	18.1	23.2	32.5	43.8	51.4	56.7	62.8	61.4	55.0	44.2	30.9	21.3	41.78
68	WINTHROP 1WSW	18.4	24.3	35.3	47.3	55.2	61.3	68.2	66.4	58.6	47.2	32.7	22.9	44.82

TABLE D-4 MEAN MONTHLY TEMPERATURE STATION DATA GROUP P

SNO	STATION NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	ALLISON PASS	18.7	24.4	26.4	34.3	40.3	47.5	54.3	52.8	46.3	38.1	25.6	21.1	35.82
2	ARMSTRONG	21.9	28.6	35.9	46.7	55.2	61.7	66.7	64.1	55.3	44.7	32.8	27.6	45.10
5	CARMI	18.3	25.5	29.0	38.1	46.9	53.5	59.6	57.8	50.3	40.5	26.7	21.9	39.01
6	CHASE	23.3	30.0	36.1	46.7	55.5	62.4	67.6	65.3	56.8	46.3	34.8	29.0	46.17
7	CHUTE LAKE	17.7	24.1	28.8	38.2	46.8	53.5	58.5	56.5	49.2	39.1	26.5	21.4	38.36
9	DEER PARK	27.9	32.8	37.9	46.6	54.8	61.7	67.5	65.1	56.6	46.9	36.8	31.7	47.19
12	FAUQUIER	25.7	30.8	36.0	45.8	54.3	60.9	66.4	64.2	55.4	45.5	34.8	30.1	45.82
13	GRAND FORKS	22.2	29.9	36.8	46.6	55.0	61.7	67.5	65.2	57.3	45.8	33.3	26.7	45.66
14	GREENWOOD	19.6	28.2	34.3	43.3	51.2	57.7	62.7	60.9	53.2	44.0	31.4	24.1	42.55
15	HEDLEY	23.6	31.4	38.5	47.5	55.5	62.0	67.8	65.5	57.6	46.7	33.4	27.7	46.45
16	HEFFLEY CREEK	18.4	26.9	33.9	44.1	52.0	58.6	63.4	61.1	53.1	43.3	29.9	24.1	42.40
17	JOE RICH CREEK	19.1	26.5	31.2	41.2	48.6	54.7	59.4	57.9	50.6	42.0	29.4	24.2	40.40
18	KAMLOOPS	23.1	31.0	39.1	49.3	57.9	65.1	70.0	67.5	58.6	47.9	34.7	28.8	47.76
19	KAMLOOPS CDA	23.7	32.2	39.9	50.0	58.5	65.8	71.2	68.7	59.8	48.9	35.6	29.7	48.67
21	KELOWNA	27.3	32.9	38.5	47.7	56.4	63.6	68.7	66.6	57.6	47.5	36.7	31.9	47.96
22	KELOWNA CDA	24.2	30.4	36.7	46.5	55.3	62.3	67.6	65.2	56.5	46.0	33.9	28.7	46.11
23	KEREMEOS	26.7	34.7	41.7	50.9	58.8	65.3	71.0	69.0	61.5	50.3	37.1	30.8	49.82
28	MAMIT LAKE	18.3	26.1	30.7	39.7	47.5	54.5	59.0	56.7	50.3	41.2	27.8	21.4	39.43
29	MCCULLOCH	16.9	22.8	26.0	35.3	44.1	51.1	56.2	54.2	47.8	39.6	26.6	21.4	36.83
33	OKANAGAN CENTRE	27.6	33.4	38.3	47.5	55.9	63.4	68.2	66.4	58.7	48.6	37.6	32.3	48.13
34	OLIVER	26.7	33.2	40.2	49.5	57.6	64.6	69.6	67.1	58.6	47.8	36.3	30.9	48.51
35	OLIVER 2	27.9	34.6	41.6	51.3	59.8	67.0	73.0	70.3	61.6	50.5	38.1	32.2	50.66
36	OSOYOOS	27.0	33.6	41.2	51.0	59.2	66.3	71.8	69.4	61.0	50.2	37.9	31.4	50.00
37	PENTICTON A	28.2	33.9	39.4	48.3	56.4	63.5	68.8	66.8	58.3	48.2	37.3	32.3	48.45
39	PRINCETON A	19.0	27.8	34.6	43.5	51.4	58.4	63.9	62.1	54.6	43.9	30.0	22.5	42.65
40	REVELSTOKE	22.1	29.5	35.5	45.2	55.0	62.0	67.4	64.6	55.9	44.8	33.0	25.3	45.11
42	SALMON ARM	24.1	30.9	36.5	46.5	55.2	61.7	67.0	64.8	56.4	46.1	34.3	29.1	46.05
43	SALMON ARM 2	23.2	30.0	35.9	46.5	55.0	61.7	65.7	64.6	56.1	46.0	34.0	28.5	45.69
45	SICAMOUS	24.2	30.4	36.7	46.4	56.1	62.8	68.1	65.6	56.9	46.7	34.7	28.8	46.44
47	SUMMERLAND CDA	27.2	33.2	39.1	48.3	56.8	64.1	69.9	67.6	59.1	48.6	36.6	31.2	48.47
48	TAPPEN	24.0	30.2	35.6	45.7	54.5	60.9	65.8	63.7	55.4	45.5	27.4	28.9	44.80
49	VAVENBY	18.9	27.4	34.5	45.2	53.4	60.2	64.7	62.1	54.1	43.5	30.6	24.9	43.29
50	VERNON	24.0	31.0	37.6	47.3	55.7	62.9	68.3	66.1	57.4	46.9	34.6	29.2	46.78
51	VERNON COLDSTR RANCH	22.0	29.0	36.3	47.0	55.0	61.8	66.7	64.6	56.1	45.7	32.8	27.0	45.33
52	WESTWOLD	20.4	29.0	35.4	44.2	52.6	59.6	63.8	61.5	52.7	43.2	30.8	25.9	43.26
53	CHESAW 4NNW	19.2	26.7	30.8	40.4	48.9	56.1	61.3	59.5	52.2	41.9	28.2	22.3	40.62
54	CONCONULLY	22.7	30.2	36.3	46.0	54.8	60.9	67.4	65.5	57.9	46.9	33.5	27.9	45.84
56	INCHELIUM 2NW	25.0	30.8	37.4	47.1	55.0	61.9	67.5	66.2	58.1	46.6	34.7	28.9	46.61
58	LAURIER	23.3	29.3	36.5	46.3	54.9	62.2	67.7	65.7	57.9	45.8	33.2	27.0	45.82
61	METHOW 2W	22.0	31.0	38.5	48.7	57.0	64.8	71.6	69.5	61.1	48.5	34.2	26.0	47.75
62	NESPELEM 2S	24.7	32.1	38.9	47.7	55.1	63.1	69.3	67.2	59.5	49.4	35.7	28.9	47.55
63	OMAK 2NW	24.0	31.2	39.4	49.1	57.1	65.1	70.9	68.6	60.0	47.4	34.8	28.2	47.98
64	OROVILLE 1S	27.1	33.9	41.3	50.9	59.0	66.3	72.3	70.2	61.5	49.7	37.3	31.0	50.05
65	REPUBLIC	20.5	28.5	33.7	43.1	50.9	57.7	63.3	61.8	54.2	43.7	31.2	24.8	42.79
66	STEHEKIN 3NW	29.8	35.5	39.2	47.4	55.1	61.6	66.7	65.1	57.4	46.4	36.5	31.5	47.68
68	WINTHROP 1WSW	19.4	28.7	35.7	46.4	54.5	61.3	67.2	65.4	57.9	46.5	32.4	23.5	44.93

TABLE D-5 MEAN MONTHLY TEMPERATURE STATION DATA GROUP Q

SNO	STATION NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	ALLISON PASS	18.4	23.8	26.3	33.6	40.1	47.8	54.2	53.2	47.0	37.7	26.9	19.5	35.71
2	ARMSTRONG	21.7	29.2	35.7	46.2	54.3	62.1	66.5	64.6	55.7	45.0	34.2	26.0	45.11
5	CARMI	19.1	27.0	29.1	37.3	45.4	53.2	59.8	58.5	50.9	40.3	27.6	20.4	39.04
6	CHASE	22.9	30.5	36.3	46.4	54.6	62.9	67.6	65.0	57.3	46.9	36.2	27.8	46.29
9	DEER PARK	28.1	33.2	37.9	46.1	54.1	61.9	67.3	65.6	57.4	47.0	37.9	30.7	47.27
11	FALKLAND SALMON RIV	22.4	29.9	35.3	45.0	53.3	61.5	66.1	64.3	55.7	44.8	34.1	26.3	44.90
12	FAUQUIER	25.7	31.2	35.9	45.3	53.3	61.1	66.0	64.5	55.9	45.5	35.8	28.7	45.75
13	GRAND FORKS	22.4	30.5	37.0	45.9	54.0	61.7	67.3	65.5	58.0	45.5	34.7	25.8	45.71
14	GREENWOOD	19.5	28.4	34.4	43.0	50.4	57.9	62.8	61.6	54.1	43.6	32.8	23.2	42.64
15	HEDLEY	23.5	32.1	39.6	46.8	54.9	62.3	67.7	66.3	58.3	46.6	34.9	26.5	46.54
16	HEFFLEY CREEK	18.1	28.4	34.1	43.8	51.2	58.9	63.2	61.9	53.9	43.7	31.3	22.4	42.60
17	JOE RICH CREEK	19.4	27.4	31.8	40.7	47.9	55.0	59.3	58.4	51.4	42.2	30.6	22.7	40.57
18	KAMLOOPS	22.7	32.5	39.1	49.0	57.3	65.6	70.0	68.4	59.3	48.5	36.2	27.3	48.01
19	KAMLOOPS CDA	23.2	33.5	40.0	49.7	57.8	66.3	70.7	69.0	60.4	49.4	37.1	28.2	48.77
21	KELOWNA	27.2	33.7	38.7	47.4	55.7	64.1	68.7	67.0	58.3	47.9	37.7	30.5	48.08
22	KELOWNA CDA	24.3	31.4	36.9	45.9	54.3	62.7	67.5	65.8	57.2	46.3	35.2	27.6	46.26
23	KEREMEOS	26.6	35.9	41.9	50.2	58.0	65.7	70.9	69.5	62.1	50.3	38.4	29.7	49.94
25	LUMBY	22.4	30.3	35.1	45.2	52.1	60.1	64.9	63.7	54.7	44.5	32.8	24.8	44.22
29	MCCULLOCH	17.5	23.9	27.0	35.5	43.9	51.9	56.5	55.4	48.7	39.9	28.0	20.7	37.41
30	MERRITT CRAIG. MINES	19.8	30.7	34.9	42.6	50.2	57.9	62.4	61.8	55.8	45.3	33.7	23.5	43.22
32	OKANAGAN CENTRE	28.0	34.3	38.4	47.4	55.1	63.7	68.4	66.8	58.9	49.1	38.7	31.1	48.33
34	OLIVER	26.6	33.7	39.8	48.8	56.6	64.7	69.4	67.9	59.0	47.7	37.4	29.8	48.46
35	OLIVER 2	28.0	35.5	41.6	50.8	58.9	67.5	73.0	70.4	62.2	50.6	39.5	31.1	50.76
36	OSOYOOS	27.2	34.6	41.3	50.5	58.5	66.7	72.0	70.0	61.8	50.3	39.2	30.4	50.21
37	PENTICTON A	26.2	34.5	39.1	47.6	55.5	63.9	68.6	67.1	58.7	48.2	38.3	31.1	48.39
39	PRINCETON A	18.7	28.4	34.8	42.9	50.5	58.7	63.7	62.7	55.3	43.9	31.4	21.2	42.70
40	REVELSTOKE	22.1	30.5	35.5	45.1	54.3	62.4	67.4	65.5	56.7	45.1	34.2	25.0	45.32
41	RICHLAND	22.7	31.4	35.0	43.7	51.0	58.9	63.0	62.1	55.4	44.8	34.3	26.3	44.05
42	SALMON ARM	24.1	31.8	36.8	46.4	54.4	62.3	67.2	65.6	57.3	46.6	35.5	27.7	46.31
43	SALMON ARM 2	23.4	30.9	36.2	46.4	54.4	62.5	67.0	65.3	56.9	46.6	35.7	27.4	46.07
45	SICAMOUS	23.8	31.1	36.7	46.1	55.1	63.5	68.0	66.4	57.8	47.0	36.0	27.5	46.60
47	SUMMERLAND CDA	27.4	34.0	39.3	47.8	55.9	64.5	69.7	68.1	59.8	48.8	37.8	29.8	48.57
50	VERNON	24.1	31.7	37.3	47.0	54.6	63.1	68.1	66.4	57.8	47.2	35.8	27.9	46.75
51	VERNON COLDSTR RANCH	21.7	29.9	36.3	46.3	54.0	62.1	66.5	65.2	56.9	46.0	34.3	25.7	45.41
52	WESTWOLD	20.4	30.2	35.1	43.5	51.5	59.8	63.6	62.0	53.2	43.3	32.1	24.1	43.24
53	CHESAW 4NNW	19.0	26.5	30.2	39.3	47.8	55.6	60.6	59.4	52.6	41.4	29.4	21.3	40.24
54	CONCONULLY	22.9	31.1	36.3	45.3	54.4	61.5	67.0	65.3	58.5	46.4	34.8	26.8	45.87
56	INCHELIUM 2NW	24.9	31.6	37.5	46.4	53.9	61.9	67.4	66.3	58.9	46.5	35.7	28.0	46.58
58	LAURIER	23.5	30.3	36.6	45.5	53.7	62.2	67.5	66.0	58.1	45.3	34.3	26.2	45.76
61	METHOW 2W	21.7	30.7	38.6	48.2	56.5	65.1	71.1	69.7	61.7	47.9	35.6	25.1	47.66
62	NESPELEM 2S	25.1	32.6	38.9	47.1	54.6	63.8	69.5	67.8	60.8	48.4	36.8	28.2	47.81
63	OMAK 2NW	23.8	31.9	39.2	48.2	56.4	65.1	70.8	68.7	60.7	47.3	36.0	27.1	47.93
64	OROVILLE 1S	26.9	34.5	40.9	50.0	57.9	66.3	71.5	69.9	61.5	49.3	38.4	29.7	49.73
65	REPUBLIC	21.0	28.9	33.9	42.5	50.2	57.8	63.3	62.2	55.1	43.3	32.4	23.7	42.86
66	STEHEKIN 3NW	29.4	34.4	38.7	46.6	54.3	61.4	66.6	65.0	57.9	46.0	36.9	30.1	47.28
68	WINTHROP 1WSW	19.4	29.0	35.7	45.3	53.4	61.2	66.7	65.3	58.3	45.9	33.3	22.3	44.65

TABLE D-6 MEAN MONTHLY PRECIPITATION STATION DATA GROUP N

SNO	STATION NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
2	ARMSTRONG	1.80	1.39	0.99	0.79	1.30	1.71	1.17	1.06	1.34	1.68	1.62	2.34	17.20
7	CHUTE LAKE	2.85	2.52	2.04	1.65	2.08	2.13	1.35	1.42	1.54	1.98	2.41	2.72	24.54
9	DEER PARK	1.77	1.33	1.18	0.94	1.60	2.13	1.03	1.11	1.26	1.85	1.51	1.98	17.69
10	EAGLE BAY	2.78	1.82	1.39	1.22	1.53	1.99	1.51	1.45	1.68	2.07	2.14	2.70	22.28
12	FAUQUIER	2.34	1.55	1.12	1.25	1.89	2.29	1.46	1.33	1.66	2.16	1.87	2.49	21.41
14	GREENWOOD	1.77	1.30	1.16	1.10	1.94	2.50	0.97	0.96	1.03	1.40	1.46	1.54	17.13
15	HEDLEY	1.12	0.75	0.58	0.58	1.13	1.29	0.90	0.89	0.83	0.81	0.94	1.01	10.84
17	JOE RICH CREEK	1.92	1.35	1.43	1.47	2.23	2.47	1.61	1.54	1.86	1.91	1.62	2.27	21.48
18	KAMLOOPS	1.06	0.73	0.40	0.43	0.77	1.50	0.87	0.97	0.72	0.77	0.77	0.95	9.95
21	KELOWNA	1.28	1.06	0.74	0.60	1.02	1.14	0.93	0.88	1.02	1.20	1.12	1.51	12.50
23	KEREMEOS	1.02	0.83	0.64	0.57	0.90	1.27	0.81	0.80	0.73	0.75	0.95	0.97	10.24
24	KIRTON	2.03	1.59	1.01	0.80	1.30	1.70	1.05	1.05	1.01	1.04	1.58	2.06	16.23
26	MABEL LAKE	2.08	1.52	1.10	1.05	1.65	2.20	1.45	1.36	1.55	1.69	1.59	2.10	19.35
27	MALAKWA	3.89	2.94	1.87	1.52	2.04	2.84	1.75	2.01	2.52	3.19	2.99	4.05	31.61
28	MAMIT LAKE	1.15	0.89	0.86	0.61	1.27	1.67	0.97	1.28	1.16	0.98	1.12	1.37	13.33
29	MCCULLOCH	2.99	2.53	2.31	1.86	2.40	2.87	1.87	1.55	1.99	2.20	2.54	3.28	28.39
33	OKANAGAN CENTRE	1.47	1.14	0.88	0.67	1.09	1.27	0.96	0.97	0.93	1.25	1.23	1.70	13.61
35	OLIVER 2	1.19	0.84	0.77	0.68	0.99	1.28	0.79	0.73	0.66	0.97	1.03	1.11	10.95
39	PRINCETON A	1.96	1.39	0.77	0.53	1.00	1.18	0.81	0.88	0.83	1.10	1.59	2.05	14.12
40	REVELSTOKE	6.41	4.25	2.97	2.04	1.82	2.09	1.90	1.87	2.92	4.05	4.57	6.50	42.28
42	SALMON ARM	2.34	1.81	1.39	1.12	1.52	1.97	1.41	1.34	1.44	1.92	2.08	2.71	21.05
44	SHUSWAP FALLS	2.05	1.61	1.08	1.02	1.75	2.17	1.36	1.36	1.63	1.60	1.71	2.04	19.38
46	SORRENTO	2.29	1.64	1.25	0.99	1.42	1.94	1.46	1.31	1.48	1.84	1.93	2.37	19.92
47	SUMMERLAND CDA	1.10	0.84	0.70	0.64	1.07	1.35	0.96	0.80	0.77	0.96	1.02	1.21	11.46
48	TAPPEN	2.64	1.78	1.37	1.09	1.49	2.03	1.32	1.24	1.50	1.85	2.10	2.70	21.10
49	*VAVENBY	1.53	1.05	0.80	0.92	1.40	2.01	1.49	1.85	1.41	1.52	1.40	1.56	16.94
50	VERNON	1.69	1.28	0.95	0.75	1.31	1.62	1.09	1.12	1.17	1.46	1.38	1.87	15.70
51	VERNON COLDSTR RANCH	1.54	1.22	0.89	0.73	1.42	1.69	1.09	1.15	1.20	1.38	1.33	1.77	15.41
52	WESTWOLD	1.28	1.10	0.80	0.66	1.14	1.68	1.11	1.19	1.11	1.17	1.10	1.46	13.80
53	CHESAW 4NNW	1.24	0.98	0.83	0.96	1.48	1.98	0.86	1.01	0.81	1.11	1.16	1.29	13.73
54	CONCONULLY	1.49	1.31	1.18	1.07	1.37	1.87	0.57	0.75	0.75	1.16	1.75	1.75	15.03
57	IRENE MTN WACONDA	1.10	0.83	0.60	1.05	1.72	2.47	0.97	0.96	0.97	1.42	1.20	1.09	14.58
58	LAURIER	2.11	1.52	1.31	1.32	1.68	2.27	0.98	0.95	1.11	1.78	1.95	2.22	19.22
59	LEMANSKY NO 2	2.10	1.79	1.66	1.27	1.60	2.18	0.75	1.19	1.06	1.64	2.37	2.54	20.16
62	*NESPELEM 2S	1.58	1.11	1.05	1.05	1.26	1.53	0.50	0.52	0.76	1.22	1.61	1.58	13.76
63	OMAK 2NW	1.84	1.18	0.86	0.91	0.97	1.44	0.41	0.43	0.58	0.99	1.47	1.82	12.31
64	OROVILLE 1S	1.17	0.91	0.84	0.84	0.99	1.47	0.60	0.66	0.62	1.03	1.39	1.26	11.77
65	REPUBLIC	1.74	1.18	1.05	1.16	1.54	1.88	0.80	0.84	0.79	1.32	1.44	1.65	15.40
67	STOCKDILL RANCH	2.52	2.03	1.27	0.80	1.10	1.38	0.47	0.55	0.81	1.47	2.65	3.43	18.48
68	WINTHROP 1WSW	2.04	1.59	0.69	0.67	1.01	1.23	0.52	0.47	0.66	1.02	1.94	2.50	14.54

* Stations 49 and 62 were not used since P_{mH} variables were not available for them.

TABLE D-7 MEAN MONTHLY PRECIPITATION STATION DATA GROUP P

SNO	STATION NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	ALLISON PASS	8.81	6.62	5.05	3.61	3.10	2.00	1.45	2.22	2.38	4.23	7.82	8.03	55.22
2	ARMSTRONG	2.50	1.31	1.00	1.03	1.44	1.63	1.23	1.91	1.60	1.41	1.78	1.85	18.78
5	CARMI	2.67	1.94	1.44	1.28	1.85	2.19	1.50	1.81	1.73	1.23	2.53	2.40	22.75
6	CHASE	2.15	1.18	0.53	0.93	1.15	1.24	1.24	1.58	1.41	0.88	1.54	1.50	15.50
7	CHUTE LAKE	2.79	2.38	1.94	1.50	1.86	1.74	1.29	1.90	1.57	1.51	2.89	2.53	23.99
8	DARFIELD	2.45	0.96	0.61	0.85	1.22	2.01	1.75	1.64	1.44	0.97	1.41	1.53	16.45
9	DEER PARK	2.20	1.56	1.51	1.03	2.00	2.16	1.23	1.46	1.61	1.22	2.38	2.55	20.99
10	EAGLE BAY	3.22	1.75	1.23	1.54	1.60	1.95	1.64	2.48	2.15	1.55	2.25	2.68	26.21
12	FAUQUIER	3.12	2.08	1.58	1.14	2.20	2.53	1.70	2.27	1.85	1.76	2.61	2.58	25.37
13	GRAND FORKS	2.05	1.53	1.09	0.85	1.87	1.65	0.84	1.57	1.08	1.11	2.39	2.25	18.12
14	GREENWOOD	2.57	1.54	1.57	1.02	2.01	1.61	0.99	1.12	1.05	0.75	1.51	2.28	18.05
15	HEDLEY	1.44	0.70	0.48	0.70	1.55	1.24	1.27	1.18	0.97	0.63	1.10	1.25	12.57
16	HEFFLEY CREEK	1.76	0.76	0.48	0.74	1.26	1.16	1.34	1.44	1.21	0.64	0.84	1.39	13.02
17	JOE RICH CREEK	2.46	1.51	1.33	1.43	2.23	2.49	1.74	2.21	2.12	1.47	1.98	2.04	23.15
18	KAMLOOPS	1.43	0.52	0.22	0.43	0.76	0.98	1.16	1.10	0.98	0.53	0.91	0.95	9.97
19	KAMLOOPS CDA	1.38	0.52	0.24	0.41	0.69	0.90	1.02	1.20	0.95	0.54	0.89	0.91	9.65
21	KELOWNA	1.52	0.90	0.54	0.70	0.97	1.02	0.87	1.03	0.83	0.94	1.31	1.35	11.90
22	KELOWNA CDA	1.45	0.85	0.60	0.82	1.04	1.21	0.75	1.14	0.96	0.93	1.37	1.26	12.18
23	KEREMEOS	1.25	0.84	0.46	0.71	0.81	1.06	1.00	0.87	0.66	0.56	1.01	1.27	10.39
25	MABEL LAKE	2.30	1.53	1.15	1.28	1.82	2.43	1.55	2.08	2.00	1.65	1.92	1.80	21.67
27	MALAKWA	4.57	2.73	1.94	2.10	2.23	3.05	2.14	3.08	3.11	2.89	3.23	3.79	36.94
28	MAMIT LAKE	1.40	0.86	0.66	0.62	1.46	1.32	1.38	1.48	1.47	0.99	1.76	1.57	16.48
29	MCCULLOCH	3.17	2.47	1.80	1.44	2.12	2.16	1.63	2.22	1.95	1.44	2.48	2.96	25.74
32	NEEDLES WHATSHAN PH	3.29	2.14	1.75	1.22	2.03	2.25	1.76	2.23	1.71	1.26	2.72	2.93	26.16
33	OKANAGAN CENTRE	1.36	1.00	0.74	0.83	1.09	1.10	1.03	1.27	0.99	0.82	1.31	1.24	12.78
34	OLIVER	1.38	0.90	0.84	0.82	1.30	0.98	0.81	1.27	0.77	0.61	1.24	1.35	12.27
35	OLIVER 2	1.48	0.81	0.77	0.76	1.22	0.96	0.77	1.26	0.74	0.86	1.30	1.47	12.05
36	OSOYOOS	1.68	1.01	0.88	0.79	1.16	1.18	0.71	1.05	0.75	0.69	1.43	1.38	13.02
37	PENTICTON A	1.15	0.76	0.70	0.85	1.12	1.20	0.99	0.94	0.71	0.61	1.20	1.10	11.43
38	PENTICTON SEWAGE PLT	1.08	0.59	0.62	0.84	1.06	1.07	1.14	0.99	0.74	0.59	1.03	1.04	10.79
39	PRINCETON A	1.54	1.09	0.58	0.90	1.06	1.08	1.17	1.03	0.80	0.95	1.38	1.82	13.49
40	REVELSTOKE	5.93	3.73	2.46	2.23	2.17	3.04	2.34	2.91	3.15	4.19	5.22	5.86	43.28
42	SALMON ARM	2.52	1.62	1.22	1.32	1.51	2.05	1.47	2.23	1.81	1.46	1.90	2.72	21.34
43	SALMON ARM 2	2.90	1.51	1.27	1.37	1.40	1.77	1.40	1.96	1.63	1.34	1.91	2.39	20.81
44	SHUSWAP FALLS	2.21	1.25	1.10	1.28	1.86	2.45	1.80	2.10	1.87	1.58	1.86	1.83	21.13
45	SICAMOUS	3.18	1.90	1.24	1.52	1.05	2.56	2.04	2.35	2.37	1.75	2.44	2.65	25.98
46	SORRENTO	2.76	1.52	1.01	1.28	1.35	1.75	1.66	2.40	1.85	1.28	1.74	2.30	21.00
47	SUMMERLAND CDA	1.32	0.67	0.60	0.95	1.00	1.19	0.86	1.13	0.77	0.63	1.17	1.13	11.42
48	TAPPEN	2.89	1.60	1.15	1.34	1.65	2.09	1.47	2.08	1.74	1.29	2.06	2.40	22.00
49	VAVENBY	1.71	0.99	0.62	1.04	1.38	2.03	1.50	2.05	1.49	1.45	1.42	1.54	17.22
50	VERNON	1.96	0.96	0.83	0.90	1.21	1.42	1.07	1.47	1.23	1.06	1.45	1.77	15.18
51	VERNON COLDSTR RANCH	1.66	0.92	0.78	0.76	1.20	1.58	1.13	1.57	1.36	1.03	1.38	1.72	15.09
52	WESTWOLD	1.42	0.68	0.47	0.64	1.07	1.11	1.46	1.37	1.32	0.85	1.16	1.14	12.70
53	CHESAW ANNW	1.34	1.19	0.89	1.01	1.83	1.85	0.83	1.32	0.85	0.60	1.31	1.27	14.44
54	CONCONULLY	1.51	1.35	1.39	1.10	1.68	1.02	0.73	1.26	0.60	0.67	1.55	1.57	14.30
55	DISAUTEL 9NE	1.20	1.18	1.11	1.16	2.26	1.19	1.00	0.68	1.00	0.83	1.78	1.67	15.12
56	INCHELIUM 2NW	2.12	1.82	1.67	0.98	1.58	1.06	0.79	0.64	0.70	1.08	2.82	2.33	17.27
57	IRENE MTN WACONDA	1.20	0.95	0.77	1.11	1.94	1.85	0.88	1.05	0.76	0.83	1.26	1.20	13.99
58	LAURIER	2.22	1.59	1.40	1.13	2.05	1.72	0.95	1.32	1.01	1.25	2.22	1.98	18.84
60	MAZAMA 6SE	2.76	1.96	1.57	0.98	0.91	0.72	0.51	0.66	0.80	1.12	3.14	2.92	19.07
61	METHOW 2W	1.54	1.32	1.33	1.15	0.90	0.74	0.38	0.43	0.47	0.75	1.96	1.55	12.51
62	NESPELEM 2S	1.32	1.17	1.01	0.91	1.35	0.83	0.56	0.46	0.77	0.78	2.05	1.77	12.93
63	OMAK 2NW	1.32	1.20	1.04	0.81	1.15	0.69	0.43	0.35	0.66	0.69	1.59	1.38	11.33
64	OROVILLE 1S	1.54	1.11	0.91	0.98	1.16	1.34	0.58	0.91	0.60	0.67	1.45	1.44	12.32
65	REPUBLIC	1.80	1.32	1.20	1.01	1.78	1.41	0.82	1.13	0.71	0.87	1.80	1.26	15.85
68	WINTHROP 1WSW	1.94	1.35	1.06	0.85	0.88	0.68	0.80	0.57	0.65	0.69	2.14	2.23	13.85

TABLE D-8 MEAN MONTHLY PRECIPITATION STATION DATA GROUP Q

SNO	STATION NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	ALLISON PASS	9.78	6.54	4.61	3.52	2.53	2.44	1.47	1.99	2.54	4.43	7.50	8.57	56.00
2	ARMSTRONG	2.33	1.09	0.97	1.00	1.27	1.48	1.30	1.71	1.70	1.20	1.66	2.24	18.15
4	PEAVERDELL	2.71	1.30	1.29	1.17	1.51	1.45	1.33	1.67	1.22	0.92	1.62	2.08	19.18
5	CARMI	2.36	1.61	1.28	1.11	1.55	1.73	1.50	2.02	1.55	1.16	2.46	2.23	21.17
6	CHASE	2.15	1.04	0.58	0.95	1.12	1.17	1.26	1.33	1.41	1.34	1.53	1.97	15.86
9	DEER PARK	2.35	1.27	1.46	1.12	1.78	1.93	1.34	1.53	1.38	1.24	2.06	2.79	20.25
10	EAGLE BAY	3.24	1.65	1.12	1.64	1.54	1.70	1.85	2.27	2.25	2.04	2.38	3.07	24.74
11	FALKLAND SALMON RIV	2.28	1.08	1.01	1.19	1.25	1.16	1.13	1.43	1.35	1.10	1.53	2.41	16.97
12	FAUQUIER	2.91	1.67	1.36	1.33	2.18	2.33	1.74	2.19	1.63	1.87	2.13	2.97	24.52
13	GRAND FORKS	2.16	1.14	0.85	1.00	1.49	1.72	0.88	1.58	0.99	1.14	1.98	2.15	17.27
14	GREENWOOD	2.02	1.45	1.20	0.98	1.79	1.39	0.92	1.29	0.98	0.95	1.56	2.75	18.18
15	HEDLEY	1.26	0.55	0.43	0.92	1.13	1.41	1.17	1.10	0.81	0.58	0.81	1.39	11.64
16	HEFFLEY CREEK	1.51	0.68	0.37	0.85	1.25	1.17	1.44	1.41	1.17	0.77	1.04	1.77	13.44
17	JOE RICH CREEK	2.21	1.37	1.28	1.67	2.21	2.19	1.43	2.07	1.92	1.52	1.95	2.36	22.19
18	KAMLOOPS	1.35	0.35	0.23	0.53	0.76	0.82	1.20	1.02	0.94	0.59	0.74	1.33	9.86
19	KAMLOOPS CDA	1.16	0.40	0.27	0.54	0.71	0.72	1.06	1.18	0.88	0.64	0.77	1.30	9.64
21	KELOWNA	1.36	0.68	0.43	0.77	0.82	1.12	0.85	1.12	0.96	0.77	1.15	1.61	11.64
22	KELOWNA CDA	1.34	0.68	0.44	0.75	0.98	1.34	0.78	1.24	1.05	0.76	1.14	1.52	12.02
23	KEREMEOS	1.11	0.57	0.38	0.67	0.73	0.80	0.82	0.84	0.46	0.42	0.63	1.63	9.07
25	LUMBY	1.90	0.65	0.74	1.04	1.49	1.84	1.41	1.89	1.32	1.17	1.11	1.75	16.30
26	MABEL LAKE	2.27	1.30	1.09	1.42	1.65	2.21	1.57	1.98	2.00	1.70	1.50	2.35	21.04
27	MALAKWA	4.47	2.49	1.90	2.06	2.15	2.72	2.33	2.73	3.05	3.05	3.33	3.76	34.07
29	MCCULLOCH	3.14	2.16	1.72	1.63	2.06	2.15	1.66	2.18	1.73	1.48	2.27	3.12	25.20
30	MERRITT CRAIG. MINES	2.01	0.47	0.58	0.68	0.72	1.00	1.13	0.89	0.82	1.19	1.21	1.92	12.63
31	MONTE LAKE	1.33	0.89	0.71	0.76	1.12	1.25	1.58	1.37	1.30	0.95	1.43	1.81	15.00
32	NEEDLES WHATSHAN PH	3.27	1.77	1.81	1.32	2.07	2.27	1.87	2.55	1.55	2.00	2.66	3.55	26.61
33	OKANAGAN CENTRE	1.32	0.84	0.65	0.87	0.92	1.10	1.01	1.29	1.22	0.80	1.32	1.57	13.01
34	OLIVER	1.15	0.77	0.69	0.84	1.06	0.93	0.79	1.29	0.67	0.57	1.07	1.78	11.53
35	OLIVER 2	1.37	0.73	0.60	0.81	1.13	0.97	0.72	1.29	0.70	0.54	1.06	1.83	11.86
36	OSOYOOS	1.70	0.92	0.83	0.85	1.08	1.15	0.63	1.12	0.63	0.59	1.17	2.33	13.02
37	PENTICTON A	1.04	0.61	0.60	1.03	1.07	1.19	0.84	0.97	0.71	0.51	0.93	1.42	10.93
38	PENTICTON SEWAGE PLT	0.95	0.44	0.54	0.97	1.06	1.07	0.97	1.05	0.76	0.53	0.87	1.35	10.50
39	PRINCETON A	1.54	0.88	0.52	0.82	0.85	1.03	1.13	0.99	0.66	0.87	1.41	1.92	12.63
40	REVELSTOKE	5.50	3.46	2.64	2.12	2.30	2.84	2.40	2.91	3.18	4.52	4.86	5.31	42.13
41	RICHLAND	2.32	1.12	1.20	1.55	1.73	2.47	1.94	2.70	2.22	1.59	1.77	2.40	23.01
42	SALMON ARM	2.68	1.30	1.15	1.29	1.34	1.65	1.46	1.99	1.60	1.72	1.89	2.52	20.59
43	SALMON ARM 2	2.63	1.24	1.18	1.25	1.19	1.50	1.40	1.84	1.56	1.51	1.91	2.77	19.98
44	SHUSWAP FALLS	2.02	1.19	1.07	1.46	1.79	2.18	1.74	1.95	1.89	1.45	1.52	1.96	20.15
45	SICAMOUS	3.08	1.61	1.19	1.63	1.83	2.25	1.99	2.10	2.31	1.94	2.41	2.67	25.00
46	SORRENTO	2.73	1.44	0.92	1.32	1.31	1.40	1.69	2.18	1.78	1.56	1.83	2.86	21.12
47	SUMMERLAND CDA	1.21	0.55	0.56	0.98	0.93	1.15	0.85	1.15	0.81	0.54	0.95	1.50	11.18
50	VERNON	1.79	0.72	0.86	0.94	1.05	1.37	1.11	1.46	1.41	0.96	1.31	2.08	15.13
51	VERNON COLDSTR RANCH	1.55	0.80	0.76	0.93	1.03	1.58	1.23	1.45	1.58	0.93	1.23	2.12	15.19
52	WESTWOLD	1.29	0.55	0.57	0.75	0.99	1.07	1.47	1.24	1.17	0.77	1.01	1.35	12.21
53	CHESAW ANNW	1.31	0.94	0.74	1.13	1.50	1.82	0.82	1.23	0.82	0.81	1.21	1.58	14.03
54	CONCONULLY	1.37	1.29	1.19	1.12	1.30	1.09	0.62	1.34	0.47	0.63	1.55	2.00	14.02
55	DISAUTEL 9NE	1.31	0.94	0.92	1.16	1.58	1.15	0.69	0.84	0.85	0.99	1.71	1.91	14.05
56	INCHELIUM 2NW	2.13	1.37	1.65	0.98	1.23	0.95	0.32	0.74	0.71	1.00	2.70	2.59	16.53
57	IRENE MTN WACONDA	1.12	0.79	0.60	1.17	1.43	1.81	0.78	1.18	0.71	0.85	1.19	1.56	13.21
58	LAURIER	2.08	1.32	1.14	1.35	1.84	1.48	0.80	1.27	0.78	1.38	2.04	2.29	17.85
60	MAZAMA 6SE	3.08	1.67	1.26	1.04	0.81	0.91	0.44	0.77	0.63	1.15	2.55	3.34	17.66
61	METHOW 2W	1.56	1.02	1.07	1.29	0.76	0.82	0.23	0.55	0.25	0.76	1.97	1.99	11.90
62	NESPELEM 2S	1.27	0.93	0.82	1.07	0.96	0.75	0.32	0.65	0.53	0.71	1.93	1.96	11.89
63	OMAK 2NW	1.20	1.12	0.82	0.90	0.95	0.78	0.39	0.50	0.45	0.66	1.49	1.79	11.06
64	OROVILLE 1S	1.36	0.95	0.85	0.91	0.98	1.32	0.49	1.00	0.57	0.67	1.43	1.91	12.43
65	REPUBLIC	1.93	1.10	1.16	1.10	1.31	1.42	0.69	1.36	0.69	0.95	1.79	2.37	15.66
68	WINTHROP 1WSW	2.05	1.15	0.72	0.94	0.91	0.78	0.44	0.65	0.41	0.64	1.69	2.74	13.13

TABLE D-9 SNOW COURSE DATA

NO	SNOW COURSE NAME	NO	STUDY GROUP N (1931-60) MAR1	APR1	MAY1	P (1957-66) MAR1	APR1	MAY1	Q (1960-69) MAR1	APR1	MAY1
1	ABERDEEN LAKE	6A	-	6.5	-	6.0	5.9	0.9	5.7	5.5	1.3
2	ANGLEMONT	84	-	-	-	13.3	15.0	11.1	13.9	14.7	9.7
3	BARNES CREEK	90	-	-	-	17.7	21.2	20.4	18.3	21.6	20.9
4	BLACKWALL PEAK	100	-	-	-	-	32.2	-	30.2	33.6	37.4
5	BOULEAU CREEK	31	-	-	-	-	11.2	-	10.1	11.0	8.2
6	BROOKMERE	27	-	-	-	8.5	8.7	3.7	8.5	8.6	4.3
7	CARMI	126	-	-	-	-	-	-	6.0	5.3	1.3
8	COPPER MTN	46	-	-	-	5.2	4.4	-	4.8	3.9	-
9	ENDERBY	130	-	-	-	-	-	-	30.0	33.6	37.5
10	FARRON	17	-	12.8	-	12.0	13.9	7.0	12.7	14.0	9.2
11	HAMILTON HILL	107	-	-	-	-	-	-	13.3	14.6	11.4
12	KNOUFF LAKE	80	-	-	-	5.7	6.2	-	5.2	5.5	-
13	KOCH CREEK	101	-	-	-	-	29.9	-	25.4	31.3	33.9
14	LAC LE JEUNE	85	-	-	-	5.0	4.3	-	5.4	5.0	-
15	LOST HORSE MTN	105	-	-	-	-	-	-	7.6	8.2	9.6
16	MCCULLOCH	4	6.3	6.7	-	6.1	6.2	2.3	6.3	6.3	2.2
17	MISSEZULA MTN	106	-	-	-	-	-	-	7.7	7.8	5.0
18	MISSION CREEK	5A	-	19.3	-	-	19.7	20.9	17.2	20.0	21.0
19	MONASHEE PASS	48A	-	-	-	12.6	14.5	13.1	12.8	14.6	13.2
20	MT REVELSTOKE	15A	-	-	-	39.1	45.6	48.6	41.2	47.4	51.0
21	NEW COPPER MTN	46A	-	-	-	5.3	4.4	-	5.2	3.9	-
22	NEW PENTICTON RES 2	183	-	-	-	-	8.4	-	-	8.4	-
23	NICKEL PLATE	47	-	-	-	7.0	7.5	6.8	7.0	7.9	7.6
24	OLD GLORY MTN	42	-	-	-	22.5	26.9	27.6	23.7	27.8	30.1
25	PARK MTN	91	-	-	-	-	33.2	-	-	34.1	-
26	PASS LAKE	57	-	-	-	3.7	1.5	-	3.9	2.0	-
27	PORCUPINE RIDGE	49	-	-	-	-	-	-	14.3	16.5	-
28	POSTILL LAKE	55	-	-	-	7.1	7.9	5.8	7.2	7.9	5.9
29	QUARTETTE LAKE	34	-	-	-	-	13.1	-	-	13.5	-
30	REVELSTOKE	15	11.6	10.8	-	12.2	11.6	-	11.1	10.1	-
31	SILVER STAR MTN	99	-	-	-	21.1	23.7	23.3	23.3	26.1	27.2
32	SUMMERLAND RES	3A	-	8.6	-	-	8.3	-	8.1	8.6	4.7
33	TRANQUILLE LAKE	56	-	-	-	7.8	9.2	-	7.9	9.1	-
34	TROUT CREEK	3	6.5	7.1	-	6.2	6.2	3.4	6.2	6.0	3.5
35	WHATSHAN (UPPER)	89A	-	-	-	22.1	25.0	22.4	23.1	26.2	24.1
36	WHATSHAN (LOWER)	89B	-	-	-	21.2	24.5	22.0	22.0	25.4	22.4
37	WHITE ROCKS MTN	70	-	-	-	17.3	20.3	-	18.3	21.2	-
38	BILLY GOAT PASS	20A10A	-	-	-	-	-	-	25.6	33.1	-
39	BOULDER ROAD	18A02	-	-	-	-	-	-	4.5	2.5	0.0
40	BUTTE CREEK	18A03	-	-	-	-	-	-	9.2	9.8	5.4
41	CABIN CREEK	18A08	-	-	-	-	-	-	7.9	8.7	0.6
42	CLARK	19A08A	-	-	-	-	-	-	-	19.2	-
43	CLOUDY PASS	20A22A	-	47.9	-	32.3	-	-	31.8	-	-
44	DEVILS PARK	20A04	-	-	-	36.1	42.4	45.8	37.8	43.9	46.9
45	DOLLAR WATCH	20A29A	-	-	-	-	-	-	23.2	26.9	-
46	FREEZEOUT CR TR	20A01	-	-	-	9.7	10.7	5.0	10.3	11.2	6.4
47	FREEZEOUT MEADOWS	20A02	-	-	-	24.6	28.3	26.9	25.5	28.3	27.8
48	GOAT CREEK	18A04	-	-	-	-	-	-	6.9	5.8	0.0
49	GREENWOOD FLAT	20A25A	-	24.1	-	18.5	-	-	-	-	-
50	HARTS PASS	20A05A	-	-	-	34.9	43.6	46.5	36.0	43.7	47.3
51	HORSESHOE BASIN	19A05A	-	-	-	10.1	12.7	-	11.8	14.3	-
52	LAKE HOZOMEEN	21A02	-	-	-	6.9	8.0	3.0	7.4	8.1	4.1
53	LITTLE MEADOWS	20A24A	-	43.3	-	33.8	-	-	34.8	-	-
54	LOUP LOUP	19A07	-	-	-	8.0	8.4	-	8.2	8.0	-
55	LYMAN LAKE	20A23A	-	57.0	-	46.8	54.1	-	47.9	56.7	-
56	MEADOW CABINS	20A08	-	-	-	6.0	5.6	0.5	6.2	5.6	0.5
57	MUCKAMUCK	19A09A	-	-	-	-	-	-	-	15.7	-
58	MUTTON CREEK NO 1	19A01	-	-	-	10.2	11.4	7.9	10.8	11.5	7.7
59	MUTTON CREEK NO 2	19A04	-	-	-	11.1	13.6	13.5	11.5	13.2	12.8
60	PARK CREEK FLAT	20A13A	-	32.0	-	28.8	30.4	-	28.4	-	-
61	PARK CREEK RIDGE	20A12A	-	43.1	-	38.2	41.9	-	39.3	43.9	-
62	PAYSAYTEN	20A28A	-	-	-	12.4	13.2	-	13.8	14.5	-
63	PETERSONS	20A16A	-	28.2	-	29.6	-	-	30.9	-	-
64	RAINY PASS	20A09	-	38.7	-	32.4	37.3	40.2	33.9	39.5	41.5
65	RUSTY CREEK	19A03P	-	-	-	6.3	6.6	0.7	6.4	6.0	0.3
66	SALMON MEADOWS	19A02P	-	-	-	8.6	9.5	3.6	8.8	8.7	3.4
67	SHERMAN CR PASS	18A01	-	14.4	-	-	15.0	-	-	15.4	-
68	SNOW CAPS CREEK	18A05	-	-	-	-	-	-	4.9	2.3	0.0
69	SNOW CAPS TRAIL	18A06	-	-	-	-	-	-	6.4	5.4	0.0
70	STARVATION MTN	19A10A	-	-	-	-	-	-	-	19.7	-
71	SUMMIT G.S.	18A07	-	-	-	-	-	-	7.9	9.0	5.8
72	THUNDER BASIN	20A07	-	-	-	8.3	23.4	24.2	18.5	22.4	23.7
73	TOUTS COULEE	19A6	-	-	-	3.9	-	-	3.4	-	-

TABLE D-10 5 KM STATION SQUARE PHYSIOGRAPHIC DATA
B.C. METEOROLOGICAL STATIONS

SNO	STATION NAME	SELEV	X	Y	ELEV	HSL	PSL	AZIM	DB1	BH1	SE1	DB2	BH2	SE2
1	ALLISON PASS	4400	395	106	4844	1770	734	0.490	31	2100	2100	33	2433	2433
2	ARMSTRONG	1120	521	248	1400	0	232	4.039	234	3667	7822	211	2444	6711
3	BARRIERE	1230	460	332	1656	506	553	0.464	252	4889	8289	227	5889	9778
4	BEAVERDELL	2520	526	135	3567	758	856	4.672	166	4056	10711	183	4833	10278
5	CARMI	4080	526	142	3344	1517	947	0.494	167	3500	10567	183	4944	10500
6	CHASE	1160	487	288	1778	758	648	4.417	240	5778	7889	215	3833	5778
7	CHUTE LAKE	3920	494	165	4244	1264	536	4.823	143	3278	8178	149	2889	7844
8	DARFIELD	1280	456	344	1878	506	558	1.300	260	5389	8178	234	5833	9067
9	DEER PARK	1460	601	132	2200	885	818	0.644	242	4833	15633	272	5567	12500
10	EAGLE BAY	1160	516	302	1633	379	528	0.071	273	6000	9033	246	3944	6533
11	FALKLAND SALMON RIV	1500	510	250	2033	506	760	1.571	227	3500	6467	205	2611	6678
12	FAUQUIER	1550	600	181	2222	1138	746	4.712	249	3167	15233	269	5000	15667
13	GRAND FORKS	1750	570	89	2033	632	274	2.839	208	4889	12356	240	4778	11467
14	GREENWOOD	2490	554	96	3311	1138	569	5.550	192	5611	6689	219	5833	11744
15	HEDLEY	1720	454	129	3378	2023	1397	5.581	94	3289	3289	100	3400	3400
16	HEFFLEY CREEK	2240	454	302	2633	1011	536	4.975	224	6000	6000	201	5444	5444
17	JOE RICH CREEK	2870	524	132	3656	1138	797	0.291	193	2444	7178	184	3389	9567
18	KAMLOOPS	1240	442	276	1722	379	398	0.180	193	6500	6500	174	5222	5222
19	KAMLOOPS CDA	1150	435	281	1611	379	503	3.213	192	6611	6611	173	6278	6278
20	KAMLOOPS VALLEYVIEW	1140	449	277	2067	632	859	0.180	199	6100	6100	179	4544	4544
21	KELOWNA	1160	498	185	1200	126	184	1.571	164	2167	6300	157	3944	8678
22	KELOWNA CDA	1590	503	182	1567	379	240	5.622	166	2333	6844	162	4000	8900
23	KEREMEOS	1410	475	112	2167	1264	548	3.588	111	5556	5556	123	5722	5722
24	KIRTON	2900	464	163	4000	2023	1045	1.007	119	2444	4389	117	3056	5056
25	LUMBY	1700	538	225	2200	379	507	2.356	229	2333	7978	209	3611	10256
26	MABEL LAKE	1310	551	240	2133	758	544	3.142	252	3000	9600	228	2944	9433
27	MALAKWA	1220	552	299	2278	1011	1064	4.941	300	5722	9356	270	2611	6856
28	MAMIT LAKE	3300	408	244	3967	1011	531	4.485	140	3756	3756	126	2756	2756
29	MCCULLOCH	4100	519	175	4178	0	296	6.118	174	3167	8067	178	3222	10056
30	MERRITT CRAIG. MINES	2400	400	225	3022	1011	626	2.504	119	4256	4256	107	3978	3978
31	MONTE LAKE	2240	476	258	3078	1264	902	0.644	206	4389	6256	186	2722	4700
32	NEEDLES WHATSHAN PH	1420	600	186	2389	1643	1169	3.408	251	2944	14511	269	4944	14889
33	OKANAGAN CENTRE	1140	502	206	1322	253	141	4.837	184	2389	6733	169	3611	7567
34	OLIVER	1000	490	106	1500	758	443	3.522	126	4889	8667	140	4722	8278
35	OLIVER 2	1000	491	108	1322	758	297	3.453	127	4778	8456	142	5000	8844
36	OSOYOOS	1020	493	94	1744	1011	791	0.977	128	5389	7422	144	4778	10367
37	PENTICTON A	1120	438	140	1711	632	772	1.121	130	3167	8122	140	3556	8344
38	PENTICTON SEWAGE PLT	1130	438	143	1444	126	269	1.670	131	3222	8444	140	3789	8611
39	PRINCETON A	2280	422	143	2533	379	362	2.678	71	3633	3633	70	4356	4356
40	REVELSTOKE	1500	593	308	2167	506	371	4.294	340	5778	14022	307	2556	12278
41	RICHLAND	2350	565	221	2578	506	428	0.087	248	2389	9489	235	3944	11989
42	SALMON ARM	1660	519	276	1656	253	278	0.0	255	4778	8400	230	2778	6400
43	SALMON ARM 2	1400	516	275	1733	506	583	5.575	251	4778	8322	227	2778	6322
44	SHUSWAP FALLS	1450	548	231	2333	1264	1068	6.005	242	2167	7956	221	3778	10344
45	SICAMOUS	1400	537	287	1833	1138	1171	4.865	279	5889	9278	251	2778	6222
46	SORRENTO	1280	503	297	1611	126	695	0.620	259	5944	9000	233	3722	5889
47	SUMMERLAND CDA	1490	485	150	1556	885	475	0.753	131	3167	8056	138	3167	8167
48	TAPPEN	1220	513	296	1767	379	869	0.852	258	5722	8622	232	3389	6622
49	VAVENBY	1460	495	375	2500	1264	896	5.356	308	4833	10778	278	5556	12556
50	VERNON	1380	516	227	1533	253	324	5.498	213	2389	6622	192	2444	7122
51	VERNON COLDSTR RANCH	1580	521	223	2222	632	518	4.712	214	2333	6522	194	2778	7344
52	WESTWOLD	2020	483	251	2500	632	377	5.622	206	4278	6667	185	2778	4722

TABLE D-11 5 KM STATION SQUARE PHYSIOGRAPHIC DATA (CONT'D.)
WASHINGTON METEOROLOGICAL STATIONS

SNO	STATION NAME	SELEV	X	Y	ELEV	HSL	PSL	AZIM	DB1	BH1	SE1	DB2	BH2	SE2
53	CHEWAH 4NNW	3960	525	87	3733	556	391	1.438	174	5833	6822	184	5556	11322
54	CONCONULLY	2770	474	40	3033	809	429	2.542	108	5556	8800	125	5333	8411
55	DISAUTEL 9NE	3490	521	25	3767	405	259	3.387	160	5167	7111	203	4889	4889
56	INCHELIUM 2NW	1690	586	10	1767	809	277	2.003	236	4778	7678	335	4222	6400
57	IRENE MTN WACONDA	2700	537	66	3633	1112	891	0.695	174	5111	9778	203	5111	7833
58	LAURIER	1640	587	85	2189	657	696	1.107	226	4722	14589	265	4000	10644
59	LEMANSKY NO 2	3640	484	56	3367	1112	677	0.464	119	4389	8467	136	5389	8522
60	MAZAMA 6SE	1960	431	39	3122	1365	1225	0.905	63	4600	4600	72	4600	4600
61	METHOW 2W	1230	450	-6	1944	1163	817	1.035	87	4778	4778	109	4667	4667
62	NESPELEM 2S	1890	529	-9	1867	253	413	3.994	177	4944	4944	249	8389	8389
63	OMAK 2NW	1230	489	24	1289	101	149	2.266	125	6000	8878	151	4111	6767
64	OROVILLE 1S	920	499	79	1622	860	1006	4.765	134	6100	6100	151	4944	9933
65	REPUBLIC	2610	549	49	3022	506	652	2.678	187	6333	9222	230	5556	5556
66	STEHEKIN 3NW	1150	403	19	2678	2124	1710	0.834	34	4600	4600	38	5044	5044
67	STOCKDILL RANCH	2200	430	21	3300	1416	870	1.951	62	4756	4756	72	4533	4533
68	WINTHROP 1WSW	1760	441	32	2122	354	336	0.852	73	5211	5211	85	6100	6100

TABLE D-12 5 KM STATION SQUARE PHYSIOGRAPHIC DATA (CONT'D.)
B.C. SNOW COURSES

SNO	SNOW COURSE NAME	NUMBER	SELEV	X	Y	ELEV	HSL	PSL	AZIM	DB1	BH1	SE1	DB2	BH2	SE2
1	ABERDEEN LAKE	6A	4300	531	214	4056	885	261	5.934	214	2500	7733	198	3833	8789
2	ANGLEMONT	84	3900	524	309	3456	1896	912	3.353	285	5611	7322	258	4000	6856
3	BARNES CREEK	90	5300	580	204	5267	885	512	4.369	246	2278	7633	248	3222	10022
4	BLACKWALL PEAK	100	6350	402	102	5211	2275	1016	3.580	37	1900	1900	40	1233	1233
5	BOULEAU CREEK	31	5000	492	230	4500	1896	784	1.718	196	3556	4667	177	2444	7611
6	BROOKMERE	27	3200	399	183	3900	1138	740	0.785	83	1933	1933	75	2211	2211
7	CARMI	126	4100	526	142	3400	1264	896	0.675	168	3333	10678	183	4944	10667
8	COPPER MTN	46	4300	421	126	4133	1011	511	4.812	62	2144	2144	65	3589	7589
9	ENDERBY	130	6250	541	270	5822	379	295	2.191	267	4167	9333	241	2611	7722
10	FARRON	17	4000	595	115	4856	1391	1066	0.405	234	5389	8644	267	5389	12367
11	HAMILTON HILL	107	4900	404	148	4911	632	670	1.019	59	2022	2022	55	2133	2133
12	KNOUFF LAKE	80	3950	458	310	3900	1391	651	4.738	234	6722	9167	210	5667	7389
13	KOCH CREEK	101	6100	605	164	6200	1770	1274	5.720	250	3611	16056	275	4789	13556
14	LAC LE JEUNE	85	4300	429	254	4611	126	255	6.065	165	3433	3433	149	2156	2156
15	LOST HORSE MTN	105	6300	450	121	5444	1391	572	0.833	83	1389	1389	95	1333	1333
16	MCCULLOCH	4	4200	519	175	4244	253	169	0.983	174	3278	8178	177	3222	9989
17	MISSEZULA MTN	106	5100	422	173	4356	1264	733	1.454	94	2222	2222	84	2333	2333
18	MISSION CREEK	5A	5850	539	193	5533	126	330	4.191	204	2222	6733	202	3833	8278
19	MONASHEE PASS	43A	4500	570	206	4556	1643	998	2.799	239	2223	7956	277	3922	10456
20	MT REVELSTOKE	15A	6000	596	311	3889	2023	1378	2.944	345	5869	13511	311	2444	11889
21	NEW COPPER MTN	46A	4300	417	123	4133	1138	568	1.541	56	2144	2144	59	3589	3589
22	NEW PENTICTON RES 2	183	5220	503	157	5578	379	388	3.730	149	2044	8289	157	3278	8789
23	NICKEL PLATE	47	6200	457	132	4911	1896	1264	4.320	98	3167	3167	104	3444	3444
24	OLD GLORY MTN	42	7000	610	101	5167	3413	1439	4.299	249	4889	12444	292	4222	9389
25	PARK MTN	91	6100	563	247	5067	1391	1141	3.002	267	3389	10789	242	3111	9678
26	PASS LAKE	57	2950	431	296	3767	1517	912	3.327	200	6333	6333	181	6111	6111
27	PORCUPINE RIDGE	49	6000	427	310	5667	758	278	3.560	209	5444	5444	188	5833	5833
28	POSTILL LAKE	55	4300	518	198	4544	758	343	4.892	191	2111	6400	181	4111	8900
29	QUARTETTE LAKE	34	4000	306	97	5178	2275	1098	5.992	31	2600	2600	33	1822	1822
30	REVELSTOKE	15	1850	591	305	2089	379	680	1.527	336	5222	13811	303	2556	12467
31	SILVER STAR MTN	99	6050	531	239	4956	1011	765	2.070	235	3389	8011	212	2333	6900
32	SUMMERLAND RES	3A	4200	460	180	4811	506	576	6.193	129	2444	3078	110	3556	4133
33	TRANQUILLE LAKE	56	4650	427	305	5089	632	738	2.761	205	6000	6000	185	5889	5889
34	TROUT CREEK	3	4700	448	171	4200	885	416	2.729	112	2167	2967	105	2167	3956
35	WHATSHAN (UPPER)	89A	4850	603	217	3678	1517	1259	0.785	276	2500	9333	275	3389	12000
36	WHATSHAN (LOWER)	89B	4100	602	218	3778	1138	1016	0.418	276	2444	9067	274	3333	11733
37	WHITE ROCKS MTN	70	6000	480	201	5144	1264	597	1.874	163	2444	2444	147	2944	3522

TABLE D-13 5 KM STATION SQUARE PHYSIOGRAPHIC DATA (CONT'D.)
WASHINGTON SNOW COURSES

SNO	SNOW COURSE NAME	NUMBER	SELEV	X	Y	ELEV	HSL	PSL	AZIM	DP1	BH1	SE1	DB2	BH2	SE2
38	BILLY GOAT PASS	20A1CA	6400	433	69	6211	2882	976	3.370	66	1344	1344	74	1456	1456
39	BOULDER ROAD	18A02	1450	590	67	2200	1416	685	2.820	229	5111	12856	282	4722	8689
40	BUTTE CREEK	18A03	4070	575	70	4611	1264	603	0.844	213	4889	9333	255	3778	6056
41	CABIN CREEK	18A08	3170	582	65	3911	1365	872	1.056	221	4944	10811	271	4722	6700
42	CLARK	19A08A	7000	462	50	6256	1719	782	2.159	95	4889	5578	108	5778	6522
43	CLOUDY PASS	20A22A	6500	386	5	6267	2073	525	1.571	17	1067	1067	19	2011	2011
44	DEVILS PARK	20A04	5900	394	65	4400	2326	1775	2.118	25	2600	2600	28	2489	2489
45	DOLLAR WATCH	20A29A	7000	429	80	6156	2225	987	4.092	62	1678	1678	69	1511	1511
46	FREEZEOUT CR TRAIL	20A01	3500	388	38	4433	2073	1291	3.909	21	3233	3233	23	2344	2344
47	FREEZEOUT MEADOWS	20A02	5000	392	91	5444	2629	1176	4.515	25	2389	2389	27	1333	1333
48	GOAT CREEK	18A04	3600	576	69	4411	961	801	1.153	217	4889	9022	262	4667	5857
49	GREENWOOD FLAT	20A25A	3540	392	6	5656	2629	1800	3.730	23	2456	2456	26	2456	2456
50	HARTS PASS	20A05A	6500	409	61	6244	2124	922	2.237	40	1089	1089	45	1422	1422
51	HORSESHOE BASIN	19A05A	7000	462	86	6967	1365	350	3.927	96	922	922	107	811	811
52	LAKE HOZOMEEN	21A02	2600	382	98	3206	2377	932	4.712	14	4800	4800	16	3578	3578
53	LITTLE MEADOWS	20A24A	5290	387	4	6011	2023	1336	4.004	18	1489	1489	20	1767	1767
54	LOUP LOUP	19A07	4650	463	23	4489	1163	413	1.798	98	6111	6111	116	5167	5167
55	LYMAN LAKE	20A23A	5900	386	4	6122	1871	817	0.450	17	1378	1378	19	2044	2044
56	MEADOW CABINS	20A08	1900	380	47	4389	2023	2052	1.150	15	2711	2711	11	2878	2878
57	MUCKAMUCK	19A09A	6390	456	46	4922	2073	1174	2.908	100	4944	5744	115	5389	6800
58	MUTTON CREEK NO 1	19A01	5700	466	53	5711	1315	624	1.883	100	4556	5956	114	5167	6289
59	MUTTON CREEK NO 2	19A04	5000	466	55	5833	1517	542	1.969	100	4778	5944	113	5389	6333
60	PARK CREEK FLAT	20A13A	2220	387	30	4000	2073	1235	0.814	17	3000	3000	20	3333	3333
61	PARK CREEK RIDGE	20A12A	4600	397	32	4167	2731	1194	3.479	17	2722	2722	20	2944	2944
62	PAYSAYTEN	20A28A	4300	411	83	5089	1416	748	2.415	44	1911	1911	48	2356	2356
63	PETERSONS	20A16A	3730	402	33	5278	1972	1616	4.124	33	1667	1667	37	1944	1944
64	RAINY PASS	20A09	4780	401	39	5733	2377	1095	0.532	32	1489	1489	36	1600	1600
65	RUSTY CREEK	19A03B	4000	465	37	4133	1163	740	0.818	99	5056	7200	114	5556	7478
66	SALMON MEADOWS	19A02PM	4500	469	51	5011	1112	496	2.011	102	4889	6822	116	5667	7322
67	SHERMAN CREEK PASS	18A01	5350	570	42	5089	1568	695	1.180	209	5944	8500	274	6000	6000
68	SNOW CAPS CREEK	18A05	2150	586	65	2711	1011	542	1.969	225	5111	12178	278	4722	8178
69	SNOW CAPS TRAIL	18A06	2720	583	65	3478	1315	952	1.352	222	5111	11411	273	4722	7522
70	STARVATION MTN	19A10A	6750	459	41	5811	1719	844	2.119	92	5000	5000	106	5556	5556
71	SUMMIT G.S.	18A07	4600	574	71	4667	708	458	4.467	212	4833	9167	253	4056	5611
72	THUNDER BASIN	20A07	4200	383	39	5833	2528	1616	5.723	13	1444	1444	14	1611	1611
73	TOUTS COULEE	19A6	2840	477	73	3744	1618	974	1.761	111	4256	4256	125	4667	7422

TABLE D-14 5 KM GRID SQUARE PHYSIOGRAPHIC DATA

SQN	X	Y	ELEV	HSL	PSL	AZIM	DB1	BH1	SF1	DB2	BH2	SE2
1	440	160	4633	1011	293	5.743	97	2167	2167	93	3444	3444
2	445	160	5067	1264	392	4.712	102	2889	2889	97	3667	3667
3	445	165	4544	1264	481	5.961	106	2389	2389	99	3611	3611
4	440	165	4033	1264	404	5.431	112	2222	2222	95	3778	3778
5	440	170	4056	885	230	3.927	106	2500	2500	97	2944	3556
6	445	170	4378	632	362	4.295	110	2167	2167	101	3222	3222
7	445	175	4611	885	228	3.505	114	2278	2667	104	2944	2944
8	440	175	4456	506	176	3.762	110	2278	2822	100	3000	3000
9	440	180	4956	379	356	3.433	114	2500	2500	103	2444	2444
10	445	180	5000	506	228	3.218	118	2222	2222	107	2944	2944
11	445	185	5409	758	133	0.983	122	2333	2333	110	2389	2389
12	440	185	5333	379	181	5.992	118	2556	2556	106	2333	2333
13	450	150	5400	758	246	1.571	93	3556	3556	100	3056	3056
14	455	150	5656	632	363	5.071	103	3611	3611	105	2944	3944
15	455	155	5456	379	216	4.712	106	3556	3933	106	3778	3778
16	450	155	5600	506	509	1.418	102	3167	3289	101	4056	4056
17	450	160	5589	632	260	5.300	106	2444	2444	102	4000	4000
18	455	160	5667	1391	300	2.774	110	2444	2444	108	4111	4111
19	455	165	5056	1138	760	0.343	114	2278	2778	109	3722	4389
20	450	165	5078	758	469	5.176	110	2344	2589	104	3833	4144
21	450	170	4333	885	663	1.107	114	2389	2389	106	3722	3722
22	455	170	4367	1770	364	5.039	118	2167	2167	111	3722	3722
23	455	175	4867	1011	557	5.107	122	2278	2278	113	3611	3611
24	460	175	4511	1391	182	3.142	118	2111	2111	109	3111	3544
25	450	180	4944	758	307	2.820	122	2111	2111	111	2778	2778
26	455	180	4889	758	420	3.102	126	2111	2556	115	2889	3278
27	455	185	5733	506	348	2.433	130	2611	2489	118	2667	2544
28	450	185	5667	379	256	4.354	126	2333	2333	114	2667	2667
29	460	130	5678	1391	817	3.705	100	2611	2611	107	3389	3389
30	465	130	6178	1011	437	4.018	104	2944	2944	113	3278	3278
31	465	135	6044	1011	502	1.071	106	2611	2611	113	3278	3278
32	460	135	5756	758	644	6.133	102	3222	3222	108	3167	3167
33	460	140	5433	1133	568	4.354	103	3056	3056	109	3222	3222
34	465	140	6144	632	382	0.0	108	3056	3056	114	3167	3167
35	465	145	6089	758	443	4.467	110	3167	3167	115	3278	3278
36	460	145	5733	506	374	3.463	105	2944	2944	100	3667	3667
37	460	150	5744	253	210	0.795	108	3556	3867	110	4333	4367
38	465	150	5500	1011	215	0.153	112	3333	4000	115	3556	4278
39	465	155	4592	1011	490	0.695	115	3167	4644	117	2944	4478
40	460	155	5211	885	320	0.905	110	3333	4400	112	4056	4844
41	460	160	4878	985	298	1.071	114	3167	4233	112	3056	4178
42	465	160	3356	1391	693	1.026	118	3000	5044	117	3056	5100
43	465	165	4267	1391	845	3.960	122	2444	3956	119	3944	5511
44	460	165	4211	1264	774	0.927	118	2389	3844	114	3556	5122
45	460	170	4111	1264	550	3.532	122	2333	3500	116	4056	5500
46	465	170	4933	758	411	4.276	126	2278	2789	120	3500	4344
47	465	175	4678	1011	417	5.055	130	2278	2878	122	3444	4267
48	460	175	4656	1264	858	1.879	126	2167	2700	118	3722	4256
49	460	180	4722	506	462	3.546	130	2333	3222	120	3556	4278
50	465	180	4333	1011	310	1.138	134	2167	3056	124	3778	4889
51	465	185	4533	1011	247	3.075	138	2167	3356	126	2944	3689
52	460	185	5144	632	463	1.966	134	2444	3078	122	3167	3578
53	460	190	5333	632	407	0.432	139	2611	2611	125	2667	3000
54	465	190	5044	2149	460	1.782	142	2556	3289	129	3000	3622
55	465	195	5233	1011	379	5.152	146	2722	2722	132	2444	2989
56	460	195	4933	758	62	0.0	142	2444	2444	128	2611	2611
57	470	110	3322	2275	1384	0.317	106	7844	7844	118	7789	7789
58	475	110	2167	506	1070	0.749	111	7567	7567	123	7844	7844
59	475	115	3144	1896	1022	3.955	112	4500	4500	123	4889	4889
60	470	115	2811	2402	1331	2.801	107	4500	4500	117	4167	4167
61	470	120	4011	2781	1166	1.509	108	3833	5711	118	3556	4933
62	475	120	3444	2275	1187	5.167	113	4278	6556	123	3833	5944
63	475	125	3233	1770	869	3.531	113	4000	7211	124	3778	6711
64	470	125	4644	2402	1289	1.738	109	3611	5467	118	3222	4800
65	470	130	5067	2528	699	1.644	110	3222	4822	118	3222	4600
66	475	130	4111	2149	436	0.381	114	3278	5567	124	3556	5944
67	475	135	3700	1517	973	3.708	115	3111	6022	125	3333	6300
68	470	135	4644	1391	991	1.493	111	3167	4822	119	3389	5156
69	470	140	5600	506	426	2.125	113	3056	4067	120	3222	4289
70	475	140	4044	1643	744	1.440	117	3167	5678	125	3222	5789
71	475	145	3356	758	592	1.171	119	3333	6589	126	3056	6144

TABLE D-14 5 KM GRID SQUARE PHYSIOGRAPHIC DATA (CONT'D.)

SQN	X	Y	ELEV	HSL	PSL	AZIM	DB1	BH1	SF1	DB2	BH2	SE2
72	470	145	5200	1011	473	1.190	114	3056	4189	121	3222	4578
73	470	150	4678	632	600	1.212	116	3556	5100	121	2889	4767
74	475	150	3322	1138	622	1.571	121	3333	6233	126	3056	6067
75	475	155	3156	1391	513	1.204	123	3611	6622	127	3944	6956
76	470	155	3811	885	534	0.301	119	3500	5633	122	3889	6078
77	470	160	3800	1138	665	3.563	122	3278	5478	123	3944	6033
78	475	160	3189	1011	586	1.745	126	3222	6033	128	4333	7300
79	475	165	2933	885	705	1.893	129	3833	5844	130	3056	6122
80	470	165	4278	1011	648	1.497	125	2444	4111	124	4278	5433
81	470	170	4089	1011	670	1.756	129	2222	3900	125	4056	5856
82	475	170	2711	2023	552	0.872	133	2389	5456	130	4056	7289
83	475	175	2856	758	500	2.285	134	2278	4922	130	4000	6667
84	470	175	3900	1264	805	1.031	134	2278	3822	127	3667	5378
85	470	180	3767	1138	829	2.285	139	2444	4122	128	3611	5122
86	475	180	3200	1264	387	0.464	142	2278	4356	133	3833	6133
87	475	185	3767	1896	1220	3.791	146	2444	4400	135	3722	5456
88	470	185	3856	1264	539	1.133	142	2222	3756	131	3222	4311
89	470	190	4411	1391	942	2.827	145	2444	3911	133	2944	4089
90	475	190	4344	632	334	4.452	150	2167	3433	137	3111	4211
91	475	195	4656	1264	462	3.051	154	2667	3789	140	3778	3944
92	470	195	5144	758	577	1.220	150	2389	3022	136	2944	3522
93	470	200	4878	758	425	0.077	154	2444	2444	139	2389	3011
94	475	200	5144	1011	351	4.249	158	2444	2444	143	2667	3189
95	475	205	5256	632	242	5.093	162	2333	2333	146	2444	2444
96	470	205	4733	758	249	4.364	158	2611	2611	143	2222	2222
97	470	210	4911	885	263	4.823	162	2389	2389	146	2333	2333
98	475	210	5133	379	290	2.897	167	2333	2333	150	2333	2333
99	475	215	4811	758	443	0.0	171	2389	2389	153	2500	2500
100	470	215	4767	753	460	4.051	166	2556	2556	150	2389	2389
101	470	220	4978	632	329	5.426	171	2222	2222	154	2778	2778
102	475	220	5356	1011	591	2.079	174	2778	2778	157	2444	2444
103	475	225	5033	758	562	5.034	178	2556	2556	161	2667	2667
104	470	225	4400	506	302	5.206	174	2444	2444	157	2611	2611
105	480	100	3222	1896	1440	4.414	115	4333	4333	128	4667	4667
106	485	100	4078	1517	1030	2.058	121	4722	5544	134	4556	4556
107	485	105	4184	1770	1165	1.337	121	4889	6078	135	4667	5744
108	480	105	3678	1770	1433	4.803	116	4778	4778	129	4889	4889
109	480	110	3156	1517	1349	4.454	116	4833	4833	129	5000	5000
110	485	110	3411	1391	1041	1.093	121	4889	5144	135	4889	6256
111	485	115	3322	1138	818	1.922	122	4889	6522	135	5000	6178
112	480	115	4189	1517	691	3.405	117	4556	4556	128	4889	4889
113	480	120	3989	2023	623	0.061	118	4222	5889	129	4389	5500
114	485	120	2878	1770	919	0.931	123	4389	6033	134	4944	7311
115	485	125	2644	1138	592	2.285	124	3833	7300	135	4167	5911
116	480	125	3178	1264	331	3.051	118	3889	6989	129	4167	6600
117	480	130	3367	1770	973	1.571	119	3444	6589	130	3389	6300
118	485	130	2411	1391	636	1.344	124	3222	7367	135	3556	6978
119	485	135	2967	1391	704	2.279	125	3278	6967	136	3444	6367
120	480	135	3256	1391	743	0.540	120	3167	6411	130	3500	6589
121	480	140	3067	1138	652	5.300	122	3056	6544	131	3556	6989
122	485	140	2633	1391	529	1.220	127	2667	6733	136	3500	7533
123	485	145	2533	1896	908	1.317	128	3167	7244	137	3389	7522
124	480	145	3000	1011	693	5.160	124	3056	6444	131	3278	6944
125	480	150	2433	1391	485	2.159	125	3278	7289	132	3389	7567
126	485	150	1911	1138	477	1.172	130	3167	7644	137	3167	7911
127	485	155	1589	1264	379	1.030	132	3556	8189	138	3222	7267
128	480	155	2378	632	234	2.423	128	3278	6956	132	3278	7178
129	480	160	2478	1391	365	1.144	130	3278	6800	133	3500	7189
130	485	160	1511	379	687	1.238	135	3500	7989	138	3667	8322
131	485	165	2089	1391	500	4.311	137	3167	8067	139	4222	7122
132	480	165	1822	1517	625	1.041	134	3000	7011	134	3944	8122
133	480	170	1544	253	513	1.243	138	3167	7456	135	3778	9067
134	485	170	2367	2023	913	4.810	142	2944	7178	141	4056	8956
135	485	175	1522	253	552	4.308	146	2278	6367	142	3056	7533
136	480	175	1633	885	455	2.297	142	2167	5678	137	4056	7956
137	480	180	2556	1391	568	2.034	146	2167	4344	138	3722	6044
138	485	180	2100	1264	564	2.223	150	2222	5522	143	3556	7233
139	485	185	2178	1517	623	2.498	154	2111	4100	145	4056	6433
140	480	185	3400	1138	873	2.775	150	2278	3922	140	3722	5478
141	480	190	4322	632	211	0.961	154	2222	3756	142	3611	4511
142	485	190	4267	1896	747	3.709	158	2111	3456	146	3722	4733

TABLE D-14 5 KM GRID SQUARE PHYSIOGRAPHIC DATA (CONT'D.)

SQN	X	Y	ELEV	HSL	PSL	AZIM	DB1	BH1	SE1	DB2	BH2	SE2
143	485	195	4278	1517	412	5.034	162	2333	3944	148	3556	4722
144	480	195	4367	506	305	2.678	158	2500	3956	144	2889	3900
145	490	200	5089	759	405	2.111	162	2833	3411	147	2667	3189
146	485	200	4167	885	509	2.271	166	2889	3889	151	2833	4225
147	485	205	4656	379	442	1.763	170	2722	3567	154	2667	3678
148	480	205	5311	758	313	1.406	166	2333	2333	150	2444	2911
149	480	210	5267	632	255	3.730	170	2056	2056	153	2333	2333
150	485	210	4911	126	156	1.816	174	2333	2867	157	2611	3256
151	485	215	4673	1517	648	1.816	178	2056	2933	161	2444	3378
152	480	215	4922	1011	495	6.231	174	2500	2744	157	2167	2589
153	480	220	5356	758	521	3.378	178	2722	2589	161	2611	3089
154	485	220	5333	885	516	2.755	182	2889	3111	164	2333	3444
155	485	225	5044	759	629	1.446	186	3444	4122	168	2444	3067
156	480	225	5333	506	703	6.193	182	3333	3333	164	2556	2556
157	480	230	5233	506	327	5.903	186	3278	3278	168	2500	2500
158	485	230	5278	1517	368	0.432	190	3444	3778	172	2556	3167
159	485	235	5289	1138	646	3.816	194	3500	3500	175	2611	2822
160	480	235	4756	632	205	5.407	190	3778	3778	172	2667	2567
161	480	240	4300	885	490	4.938	194	3556	3556	175	2500	2500
162	485	240	4900	1011	568	6.054	198	3722	3722	178	2556	2556
163	485	245	4211	758	501	3.752	202	3444	3444	183	2444	2444
164	480	245	3679	1517	738	5.656	198	3444	3444	179	2333	2333
165	490	80	2744	910	756	2.433	125	6056	6056	141	4667	8422
166	495	80	1989	1214	503	1.454	129	5778	5778	147	4556	9178
167	495	85	1767	1871	605	2.111	130	5389	5389	147	4556	8222
168	490	85	2300	1416	641	1.001	125	5056	5056	141	4500	8811
169	490	90	2367	1517	437	3.365	125	5389	5389	141	4444	8611
170	495	90	1756	1138	841	1.447	130	5056	6467	147	4778	9533
171	495	95	1433	759	563	0.920	130	5319	7733	147	4778	10578
172	490	95	2289	1264	674	0.519	125	4833	6156	140	4667	10544
173	490	100	1778	1133	609	1.223	125	4722	7722	140	4833	7333
174	495	100	1822	885	609	4.161	131	4833	7944	146	4886	7389
175	495	105	1911	758	570	5.117	131	4722	8333	146	4778	8056
176	490	105	1611	758	705	1.373	126	4722	8389	140	5111	8667
177	490	110	1800	1011	579	2.377	127	4667	8089	140	4886	8200
178	495	110	1933	885	572	4.403	132	4833	8011	146	5000	8333
179	495	115	2411	2023	1083	4.664	132	4611	8111	146	5000	8611
180	490	115	1956	1391	839	0.883	127	4511	7956	140	5000	8344
181	490	120	1956	1264	403	2.629	129	3833	7211	140	4944	7333
182	495	120	2211	1138	619	4.854	133	3778	7333	146	4944	8000
183	495	125	2444	1011	760	4.506	134	4444	8556	146	4886	7944
184	490	125	1878	1138	606	1.043	128	4222	8178	140	4167	7511
185	490	130	1722	1138	394	0.876	129	4056	8722	141	3833	7778
186	495	130	3222	1647	306	4.439	134	3944	9122	147	4167	8286
187	495	135	3667	1264	935	4.677	135	3556	8900	147	3556	7844
188	490	135	1811	885	742	5.640	130	3111	7911	141	3611	8244
189	490	140	1589	506	646	5.117	132	3167	8244	141	3556	8467
190	495	140	3000	2149	822	5.165	135	2611	8122	147	3222	8344
191	495	145	2800	2023	880	4.674	138	3222	8789	147	3222	8567
192	490	145	1389	253	248	4.467	133	2778	7889	142	3278	8556
193	490	150	1467	253	332	5.204	135	3333	8422	142	3278	8767
194	495	150	3367	1264	951	4.431	140	3056	8400	148	3389	8000
195	495	155	1833	1264	818	4.487	141	2944	8289	146	3222	8789
196	490	155	1744	506	510	4.424	137	3444	7867	143	3111	7811
197	490	160	2511	1264	868	4.403	139	3611	8567	144	3389	8733
198	495	160	4322	506	466	4.367	144	3556	8511	149	3222	8678
199	495	165	4211	1138	411	4.963	146	3333	8511	150	2889	7944
200	490	165	3644	1517	852	3.605	142	3278	8178	145	3556	8678
201	490	170	3733	1011	763	0.178	145	2833	7678	146	2944	7900
202	495	170	3800	1896	527	5.743	150	3167	7844	151	3389	8789
203	495	175	2033	885	760	5.969	154	2889	7567	152	3944	8733
204	490	175	1711	379	563	5.045	150	2167	8133	147	3056	7344
205	490	180	1389	126	218	2.915	154	2333	6567	148	3889	8333
206	495	180	1211	0	161	3.259	158	2389	6789	153	4278	8300
207	495	185	1511	632	462	2.034	162	2167	6456	154	4056	8433
208	490	185	2600	1138	886	2.877	158	2500	5456	150	3500	6578
209	490	190	4044	1517	634	1.775	162	2500	4067	152	3833	5344
210	495	190	2300	1517	868	2.170	166	2333	5644	156	3667	6978
211	495	195	2267	1391	893	1.385	169	2222	5144	158	3611	5222
212	490	195	4089	1391	726	0.785	166	2611	4133	153	3778	5189
211	490	200	3644	1517	426	2.467	170	2444	4640	155	3944	4578

TABLE D-14 5 KM GRID SQUARE PHYSIOGRAPHIC DATA (CONT'D.)

SQN	X	Y	ELEV	HSL	PSL	AZIM	DB1	BH1	SE1	DB2	BH2	SE2
214	495	200	3156	1138	571	2.583	174	2611	5178	150	3222	5511
215	495	205	3600	1643	640	2.129	178	2444	4511	152	2944	4900
216	490	205	4489	885	348	3.200	174	2389	3456	158	3000	3178
217	490	210	4744	1643	910	0.611	178	2500	3144	161	2444	3478
218	495	210	3267	1391	770	0.951	183	2278	4567	155	2944	5344
219	495	215	2956	1517	1182	2.393	186	2056	4433	158	2389	5044
220	490	215	4067	2023	978	2.103	182	2278	3600	165	2333	3933
221	490	220	4767	758	372	1.391	187	2333	2900	159	2389	3178
222	495	220	3533	2402	819	1.117	190	2444	4300	172	2222	4078
223	495	225	3533	2528	630	1.886	195	2611	4633	176	2333	4411
224	490	225	4522	1643	744	2.356	190	3278	4478	171	2222	3200
225	490	230	4955	1391	820	1.571	195	4056	4767	175	2389	3156
226	495	230	3922	1643	654	2.138	198	3722	5522	179	2389	4244
227	495	235	4411	1264	783	2.115	202	4000	5256	183	2778	4311
228	490	235	5300	632	232	1.212	198	3722	4144	179	2833	3144
229	490	240	5100	758	299	1.012	203	3444	3444	182	2611	2900
230	495	240	4433	1391	578	1.041	207	3667	4789	186	2611	3844
231	495	245	3956	1770	609	0.976	211	3556	4544	190	2611	3933
232	490	245	4389	1643	500	0.0	206	3500	3500	186	2556	2556
233	490	250	3156	1517	797	5.835	211	3111	3111	190	2500	3300
234	495	250	3456	1896	1083	0.795	214	3444	4933	193	2444	3322
235	495	255	3022	1391	933	2.404	218	3167	5200	197	2667	4478
236	490	255	3356	1517	949	3.013	214	3611	5144	193	2778	3922
237	500	70	1600	506	648	1.930	135	4944	9780	153	5667	10733
238	505	70	2544	1112	623	4.092	140	4889	9333	160	5722	10389
239	505	75	3322	1112	750	4.580	140	4667	9157	159	5778	10778
240	500	75	1644	657	818	5.284	135	4778	9900	153	4889	10022
241	500	80	1444	506	663	4.803	135	7511	7511	154	4722	10056
242	505	80	2555	1163	582	5.498	140	5833	5833	159	4889	9989
243	505	85	2278	961	509	4.391	140	6056	6667	159	4611	8889
244	500	85	1311	354	543	5.300	135	5778	6578	153	4778	10022
245	500	90	1589	758	427	4.674	135	5167	6133	152	4778	9578
246	505	90	3356	632	705	3.976	140	5056	6167	159	4667	9556
247	505	95	4289	1138	525	3.670	140	5389	7111	158	4500	9556
248	500	95	2867	2275	1250	4.103	135	5111	7333	152	4667	11222
249	500	100	3400	1391	671	4.873	136	4667	7511	152	4389	11167
250	505	100	4122	1011	297	5.023	141	4833	6944	158	4444	10056
251	505	105	4322	758	489	4.171	141	4722	8000	159	4722	6667
252	500	105	3156	1011	563	5.127	136	5000	8556	152	4556	7500
253	500	110	3922	1011	1027	3.832	137	4722	8389	152	4778	8333
254	505	110	4978	758	486	4.149	142	4833	8611	158	4778	7889
255	505	115	4689	1770	1105	4.494	142	4667	8389	158	4667	8222
256	500	115	4256	2275	702	6.112	137	5000	8389	152	4778	8333
257	500	120	4011	885	793	4.456	138	4889	8444	152	4833	8111
258	505	120	4956	506	201	6.141	143	4944	8333	159	4889	8556
259	505	125	4989	758	473	4.547	143	4500	8444	158	5000	9500
260	500	125	4244	1391	583	4.265	138	4278	8167	152	4944	8389
261	500	130	5200	1138	603	3.773	139	3944	8956	152	4889	8444
262	505	130	5283	1011	300	3.142	144	3833	8500	158	4889	8278
263	505	135	4978	632	787	0.180	145	3611	8300	154	4167	7667
264	500	135	5022	1011	669	6.128	140	3222	8678	152	3833	8289
265	500	140	4389	1264	255	4.994	141	3167	8456	157	3778	8944
266	505	140	4678	632	441	3.307	146	3222	8733	159	4167	8578
267	505	145	5544	379	370	2.836	147	3167	8567	159	3389	8567
268	500	145	4778	506	369	5.004	142	2611	8733	153	3556	8956
269	500	150	4833	1643	695	3.893	144	3056	8400	153	3333	8300
270	505	150	5689	885	552	5.415	149	3056	8567	159	3500	8844
271	505	155	5789	758	378	4.712	150	3056	8289	160	3556	8956
272	500	155	5189	758	380	3.433	146	3167	8511	154	3222	8733
273	500	160	5511	759	627	5.034	148	3778	8700	154	3056	8400
274	505	160	5911	885	617	3.957	153	3556	8678	159	3278	8944
275	505	165	5700	1138	513	6.164	155	3611	8567	161	3222	8733
276	500	165	5267	1011	422	5.327	151	3556	8456	155	3222	8456
277	500	170	4467	1643	600	5.498	154	3167	8067	156	3778	8944
278	505	170	4989	885	707	5.617	158	3556	8456	162	3389	8567
279	505	175	3600	1011	908	5.640	161	2444	7289	162	3444	8567
280	500	175	2644	1138	816	6.078	157	2444	7178	157	4222	9122
281	500	180	1422	632	248	4.910	162	2444	6956	159	3056	7956
282	505	180	2044	253	342	5.601	166	2278	6844	163	2944	7700
283	505	185	1544	253	301	4.796	170	2167	6511	154	3778	8578
284	500	185	1267	0	119	4.467	166	2333	6733	159	4056	8956

TABLE D-14 5 KM GRID SQUARE PHYSIOGRAPHIC DATA (CONT'D.)

SQN	X	Y	ELEV	HSL	PSL	AZIM	DB1	BH1	SE1	DB2	BH2	SE2
285	500	190	1467	1011	399	4.124	170	2111	6233	161	4000	8678
286	505	190	1478	253	181	2.356	174	2278	6789	166	4056	8789
287	505	195	1622	379	189	1.976	178	2111	6344	167	3722	8400
288	500	195	1778	632	735	2.007	173	2111	5944	162	3833	7611
289	500	200	1778	506	674	1.661	178	2444	6444	164	3722	7444
290	505	200	1611	632	334	5.373	182	2611	7122	169	3722	8178
291	505	205	1544	632	289	4.588	186	2389	7067	171	3611	7733
292	500	205	1700	379	588	1.508	182	2722	6744	167	3111	6856
293	500	210	1567	379	565	1.125	186	2611	6600	169	2778	6933
294	505	210	1789	1391	678	3.194	190	2444	6844	173	2889	7067
295	505	215	2000	1517	1051	5.916	194	2611	6956	176	2667	7178
296	500	215	1456	253	367	1.935	190	2389	6322	172	2667	6878
297	500	220	1656	632	599	1.989	194	2389	6178	175	2444	6456
298	505	220	1667	506	580	5.191	199	2389	6844	179	2444	7122
299	505	225	1378	379	209	3.142	202	2556	6733	183	2333	6511
300	500	225	2233	1264	682	2.072	198	3000	6100	179	2333	5711
301	500	230	2789	1011	792	1.346	203	3389	6322	183	2500	5433
302	505	230	1622	379	474	2.481	207	3222	7322	186	2167	5989
303	505	235	2611	1517	885	2.928	211	3444	6667	190	2611	5833
304	500	235	2933	1391	705	2.301	207	3722	6511	186	2444	5289
305	500	240	3211	1264	1129	1.571	210	3611	5844	190	2667	5178
306	505	240	3833	632	676	3.791	214	3722	5444	193	2556	4500
307	505	245	3778	1517	713	0.121	219	3444	4889	197	2500	4278
308	500	245	3256	1011	1129	5.541	214	3500	5578	193	2611	4856
309	510	70	3482	657	374	3.450	145	4889	9500	165	5833	10278
310	515	70	3656	506	300	3.850	150	4722	9556	171	5722	9944
311	515	75	3744	708	417	5.212	150	4778	9589	171	5444	9978
312	510	75	3756	1062	525	0.278	145	4611	9189	165	5722	10522
313	510	80	3233	809	311	6.005	145	4556	4889	164	5500	10267
314	515	80	3789	657	356	4.200	150	4778	9944	170	5667	10889
315	515	85	3922	405	389	5.300	151	5722	6578	170	4889	10967
316	510	85	3422	657	432	4.378	145	5778	6444	164	4944	9556
317	510	90	3911	379	332	2.456	145	5389	6222	164	4556	9500
318	515	90	3922	379	206	4.124	151	5778	6389	169	4833	10167
319	515	95	4011	758	252	2.356	151	5167	7211	170	4667	10100
320	510	95	4389	1011	215	2.279	145	5056	6722	154	4556	9278
321	510	100	4656	885	300	4.391	146	5389	7657	164	4667	10111
322	515	100	4667	1517	537	2.897	151	5111	7611	169	4500	10167
323	515	105	5800	1264	755	1.786	151	4667	7478	170	4444	10144
324	510	105	5411	758	679	4.467	146	4833	7944	164	4889	11222
325	510	110	5411	758	397	4.775	147	4722	8333	163	4833	7611
326	515	110	5867	885	251	6.184	152	4333	7944	170	5167	11933
327	515	115	5167	758	391	5.564	152	4778	8278	169	4833	7611
328	510	115	4833	1011	531	6.039	147	4833	8444	154	4556	8111
329	510	120	5233	885	262	3.803	148	4667	7944	163	4889	8611
330	515	120	5567	632	304	3.142	153	4833	8333	170	5111	8778
331	515	125	5978	758	436	5.961	153	4444	7833	169	4889	8500
332	510	125	5500	632	298	4.898	148	4500	8000	163	4833	8056
333	510	130	5422	758	249	4.712	149	4278	8611	163	5000	8000
334	515	130	5622	758	276	2.356	154	4222	8378	169	5000	8656
335	515	135	5044	758	580	0.052	155	3889	9411	170	4944	9122
336	510	135	4844	506	305	5.141	150	4111	10056	163	5000	9100
337	510	140	4578	253	191	2.554	151	3389	9267	163	4667	9822
338	515	140	4381	758	525	4.332	156	3500	9844	170	4667	9722
339	515	145	4244	758	267	1.571	157	3167	9656	170	3833	9489
340	510	145	5044	506	399	2.737	152	2611	8122	164	3556	7844
341	510	150	5411	758	456	1.535	153	3222	9211	164	3444	8933
342	515	150	4211	632	366	1.630	158	2611	9911	170	3611	10078
343	515	155	4144	1011	414	1.391	160	3056	10311	171	3556	10756
344	510	155	5544	885	495	1.853	155	3056	8967	155	3500	9467
345	510	160	5422	758	692	1.292	157	2944	8911	165	3339	9644
346	515	160	4378	506	349	2.356	162	3167	10356	171	3444	10522
347	515	165	5044	758	616	2.020	164	3222	9244	172	3278	9633
348	510	165	5822	1011	670	1.490	160	3556	8511	166	3167	8733
349	510	170	5300	758	336	0.107	163	3313	8511	167	2944	8656
350	515	170	5011	885	1001	0.833	167	3167	8067	172	3111	9500
351	515	175	4256	758	511	0.124	170	3167	8067	173	3389	9867
352	510	175	4178	2023	548	0.127	166	3167	8011	168	3667	9778
353	510	180	2667	1138	657	5.791	170	2389	7167	169	4222	9122
354	515	180	3244	1517	568	5.734	174	2444	7122	174	3556	8678
355	515	185	2478	1264	669	3.393	178	2278	6789	175	2944	7900

TABLE D-14 5 KM GRID SQUARE PHYSIOGRAPHIC DATA (CONT'D.)

SQN	X	Y	ELEV	HSL	PSL	AZIM	DB1	BH1	SE1	DB2	BH2	SE2
356	510	185	2444	1391	384	4.712	174	2333	6678	169	3889	8678
357	510	190	2533	1011	777	4.796	179	2167	6456	170	3056	7289
358	515	190	4278	1264	381	5.015	183	2167	6389	176	3056	7956
359	515	195	4211	506	370	4.854	187	2167	6289	177	3889	8622
360	510	195	2489	1011	751	4.543	182	2333	6844	173	3556	8344
361	510	200	2644	1391	627	4.475	187	2333	7067	174	4056	8511
362	515	200	4122	1264	455	4.421	190	2167	6789	179	3500	8178
363	515	205	4578	253	308	3.463	194	2444	7133	180	3444	7944
364	510	205	3133	1138	833	4.778	190	2611	7400	176	3722	8011
365	510	210	2633	1264	583	4.957	194	2444	7011	179	3056	7344
366	515	210	4578	1138	421	5.220	198	2833	7400	182	3778	8178
367	515	215	3667	1138	816	5.633	202	2500	7067	185	3944	7400
368	510	215	2111	1391	797	4.525	198	2333	6733	180	2833	7289
369	510	220	1856	758	553	1.441	202	2333	6622	183	2667	7233
370	515	220	2033	1011	381	4.887	207	2056	6456	187	3000	7567
371	515	225	1622	758	423	0.190	211	2500	6567	190	2667	7299
372	510	225	1700	506	629	4.414	207	2389	6622	186	2611	7067
373	510	230	1767	1264	572	5.933	211	2778	7400	190	2444	6956
374	515	230	1678	632	458	2.620	215	3000	7233	194	2333	6900
375	515	235	1467	379	560	0.433	219	3333	7056	197	2389	6844
376	510	235	1922	758	942	3.014	215	3556	7244	193	2333	5956
377	510	240	2756	1770	805	1.677	219	3611	6533	197	2444	5156
378	515	240	1378	253	312	2.837	223	3278	7456	201	2222	6344
379	515	245	1867	1391	577	2.521	226	3778	7467	205	2389	6244
380	510	245	2678	1517	978	1.158	223	3667	6378	201	2556	5767
381	510	250	2067	758	777	1.147	227	3500	6433	205	2611	5156
382	515	250	2178	1011	642	0.211	230	3556	6530	208	2833	6267
383	515	255	2578	1517	662	3.020	234	3444	6278	212	2611	6000
384	510	255	2344	1011	601	1.515	231	3333	6211	208	2556	5156
385	510	260	2433	758	725	4.515	235	3389	5956	212	2444	5067
386	515	260	3311	1011	805	5.931	239	3500	6500	215	2556	5444
387	515	265	3223	1011	621	3.927	243	3833	6344	219	2500	5444
388	510	265	2300	885	838	0.464	239	3889	6544	215	2667	5533
389	510	270	2133	1139	651	4.141	243	4611	7756	219	2722	5922
390	515	270	3256	2276	783	5.659	247	4389	7556	221	2778	5944
391	515	275	1744	505	655	5.235	250	4722	9256	225	2667	6200
392	510	275	2567	1517	1060	2.073	247	4667	7433	223	2889	5556
393	520	70	4300	1163	470	4.046	156	4778	9778	178	5389	9444
394	525	70	4178	1011	441	0.464	161	4556	9567	184	5333	9444
395	525	75	3811	809	307	2.150	161	4889	10022	183	5611	10633
396	520	75	4200	708	303	0.381	156	4389	9078	178	5556	10411
397	520	80	4122	708	344	2.433	156	4667	9989	177	5722	11378
398	525	80	3656	708	468	1.703	161	4611	10511	183	5389	12067
399	525	85	3833	758	285	1.153	161	5556	8778	193	5667	11389
400	520	85	4111	809	284	0.644	156	5833	6356	177	5778	11222
401	520	110	5444	1011	509	1.713	157	4722	9778	175	4778	11167
402	525	110	4111	1517	532	1.853	162	4722	9389	181	4944	12500
403	525	115	4422	1391	682	1.609	162	4722	10022	181	4389	12622
404	520	115	5256	1011	510	0.0	157	4889	9411	175	4989	7967
405	520	120	5200	1011	355	2.356	158	4889	8633	175	4778	8689
406	525	120	4200	1517	335	1.130	163	4667	10022	181	4556	9189
407	525	125	3778	2023	526	0.983	163	4667	10111	181	4778	10556
408	520	125	5178	1896	750	1.274	159	4944	8933	176	5000	9544
409	520	170	4311	0	163	1.571	171	3500	9867	178	3444	10756
410	525	170	4156	1391	409	2.356	176	3778	10467	193	3389	10533
411	525	175	4256	758	264	3.142	178	3222	9256	184	3167	10311
412	520	175	4267	253	193	1.107	175	3278	8178	179	3222	9967
413	520	180	3644	1391	654	6.052	178	2444	7289	179	3611	10200
414	525	180	3800	1264	579	0.540	182	2833	7678	185	3222	10178
415	525	185	3694	1770	478	3.884	186	2278	6344	185	3889	10322
416	520	185	3644	1264	739	3.145	182	2222	6789	180	3889	8789
417	520	190	4678	632	369	2.122	186	2278	6622	181	3944	8733
418	525	190	4233	1643	570	3.142	190	2222	6456	186	4222	9122
419	525	195	4811	758	229	1.571	194	2500	6956	187	3889	8789
420	520	195	4889	506	347	5.743	190	2444	6789	182	4167	8900
421	520	200	4633	126	203	4.583	194	2222	6511	184	4111	8900
422	525	200	4622	758	176	0.927	198	2278	6900	188	4056	8956
423	525	205	4489	632	120	1.222	202	2500	7133	190	4000	8300
424	520	205	4656	506	190	3.816	199	2500	7178	185	3667	8344
425	520	210	4778	253	261	1.305	203	2389	7057	187	3611	7789
426	525	210	4411	1264	171	1.975	206	2722	7767	192	3833	8600

TABLE D-14 5 KM GRID SQUARE PHYSIOGRAPHIC DATA (CONT'D.)

SQN	X	Y	ELEV	HSL	PSL	AZI 1	DB1	BH1	SE1	DB2	BH2	SE2
427	525	215	4433	379	214	1.222	210	2444	7011	193	3722	8122
428	520	215	4544	1133	231	5.605	206	2444	6844	189	3222	7567
429	520	220	2367	2275	954	5.956	211	2611	6056	192	2944	7122
430	525	220	3056	758	926	0.177	215	2333	6733	196	3111	7456
431	525	225	2600	1391	847	3.102	219	2333	6622	198	2778	7233
432	520	225	2144	885	355	3.605	215	2389	6944	194	2944	7567
433	520	230	2444	1011	824	4.812	219	2556	7011	197	2389	6900
434	525	230	3578	1138	605	0.616	223	2389	6789	201	2667	7233
435	525	235	3822	1643	602	3.463	227	2778	7400	204	2444	7011
436	520	235	2433	885	608	4.578	223	3222	7044	201	2222	6511
437	520	240	2378	1138	943	4.945	227	3444	7667	204	2333	6944
438	525	240	4444	1133	439	5.557	231	3556	7956	208	2333	6844
439	525	245	2956	2023	1212	5.576	235	3611	7889	211	2500	6722
440	520	245	1556	126	442	4.407	231	3500	7444	208	2389	6500
441	520	250	1578	379	358	1.681	235	3722	7367	212	2778	7144
442	525	250	1567	125	451	4.588	239	3444	7100	215	2444	6544
443	525	255	1511	632	152	2.111	243	3500	7922	219	2667	8267
444	520	255	1944	0	347	2.884	239	3667	7389	215	2500	7111
445	520	260	2356	506	577	1.190	243	3833	7533	219	2611	6967
446	525	260	1600	1011	451	1.829	247	4000	8733	223	2611	7456
447	525	265	1555	379	424	1.363	251	3611	8667	226	2556	7778
448	520	265	2344	506	514	2.204	247	3944	8378	223	2444	6822
449	530	170	4844	1391	574	5.004	180	3278	9444	189	3278	10056
450	535	170	5611	1264	692	4.746	185	3556	9122	194	3500	9567
451	535	175	5078	506	389	4.983	187	3556	9100	195	3389	8011
452	530	175	4500	1138	268	5.253	183	3278	12578	189	3278	10400
453	530	180	4400	1138	633	4.712	187	3000	7733	190	3222	10000
454	535	180	4933	758	313	0.0	190	3167	8411	195	3222	9967
455	535	185	4900	1011	538	4.671	194	2444	7178	197	3222	9333
456	530	185	3956	1011	524	5.873	190	2889	7567	191	3611	10389
457	530	190	4156	1264	769	3.816	194	2389	6900	191	3444	8567
458	535	190	5144	1391	439	4.498	198	2444	6956	197	2889	8033
459	535	195	5111	1517	535	4.665	202	2333	6733	198	3889	8789
460	530	195	4589	1264	252	3.605	198	2167	6400	192	2944	7900
461	530	200	4756	1643	326	4.768	202	2278	6522	193	2778	8678
462	535	200	5544	758	309	3.463	207	2111	6178	199	3889	8678
463	535	205	5500	506	421	5.640	210	2111	6622	200	3056	7789
464	530	205	4589	758	314	4.869	206	2222	7033	195	4667	9478
465	530	210	4289	253	142	4.957	210	2333	7278	197	3722	8722
466	535	210	4667	632	308	5.176	215	2333	7289	201	3556	8622
467	535	215	4089	758	250	5.985	219	2389	7533	203	3667	8811
468	530	215	4067	1011	429	6.141	214	2833	7889	198	3444	9600
469	530	220	2978	1517	841	0.165	219	2333	6789	200	3778	7900
470	535	220	2578	1391	675	0.102	223	2611	8556	205	3611	9878
471	535	225	2311	1011	782	3.039	227	2389	7922	207	3222	8700
472	530	225	2378	885	465	3.194	223	2056	6456	202	2944	7122
473	530	230	3322	1391	531	3.605	227	2500	6557	205	2667	7233
474	535	230	2989	1391	616	1.731	231	2389	7356	209	2944	9522
475	535	235	3611	885	649	1.997	235	3000	8122	212	2944	8769
476	530	235	4178	1770	511	3.283	231	2722	6844	208	2444	7122
477	530	240	5033	758	409	3.463	235	3333	7956	212	2333	6533
478	535	240	4178	2275	829	1.882	239	3389	9111	215	2611	7722
479	535	245	3722	1517	637	1.249	243	3444	9111	219	2444	8456
480	530	245	4578	1138	767	5.865	239	3278	7367	215	2167	6211
481	540	180	5289	632	256	5.271	194	3556	8778	201	3222	9444
482	545	180	5456	632	355	1.849	199	3333	8722	206	3389	9611
483	545	185	6100	506	332	4.369	202	3167	7800	207	3444	8967
484	540	185	5600	1138	273	3.884	198	2444	7189	202	3111	8711
485	540	190	5911	506	222	4.533	203	2278	6844	202	3389	8322
486	545	190	6311	506	193	3.682	205	2389	6478	208	3222	8589
487	545	195	6167	506	345	5.820	210	2333	6578	209	3278	7567
488	540	195	5667	885	355	5.751	206	2167	6511	203	3889	8233
489	540	200	5678	632	359	3.360	210	2278	6733	204	2944	7300
490	545	200	5978	758	190	4.249	215	2167	6456	209	3889	8956
491	545	205	5822	251	116	0.142	219	2333	6744	210	3944	8911
492	540	205	5856	759	220	0.322	215	2111	5989	205	3056	7767
493	550	190	6022	758	418	2.090	211	2389	7378	213	3167	8989
494	555	190	4689	1517	606	2.235	214	2278	8600	219	3278	10489
495	555	195	4956	1643	544	1.239	218	2222	8322	219	3222	10056
496	550	195	5111	253	375	1.064	214	2278	6256	214	3222	8678
497	550	200	6000	126	211	1.480	218	2278	6622	215	3667	8900
498	555	200	5211	1011	562	2.322	222	2278	7578	220	3389	9633
499	555	205	5578	126	171	1.249	227	2444	7156	221	3444	9044
500	550	205	5833	126	198	0.359	222	2167	6344	215	4222	9344

TABLE D-15 5 KM GRID SQUARE LAND AND LAKE AREA DATA

SQN	LAND AREA1	LAND AREA2	LAND AREA3	LAND AREA4	LAND TAREA	LAKE AREA1	LAKE AREA2	LAKE AREA3	LAKE AREA4	LAKE TAREA
1	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-
3	2.40	-	-	-	2.40	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-
7	1.20	-	-	-	1.20	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-
10	11.70	-	-	-	11.70	-	-	-	-	-
11	4.05	-	-	-	4.05	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-
15	0.80	-	-	-	0.80	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-
18	12.10	-	-	-	12.10	-	-	-	-	-
19	24.95	-	-	-	24.95	-	-	-	-	-
20	19.75	-	-	-	19.75	-	-	-	-	-
21	22.20	-	-	-	22.20	0.10	-	-	-	0.10
22	25.00	-	-	-	25.00	0.60	-	-	-	0.60
23	25.00	-	-	-	25.00	-	-	-	-	-
24	24.60	-	-	-	24.60	0.26	-	-	-	0.26
25	25.00	-	-	-	25.00	0.80	-	-	-	0.80
26	25.00	-	-	-	25.00	0.32	-	-	-	0.32
27	2.40	-	-	-	2.40	-	-	-	-	-
28	12.90	-	-	-	12.90	0.20	-	-	-	0.20
29	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-
31	-	10.50	-	-	10.50	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-
34	-	6.45	-	-	6.45	-	-	-	-	-
35	0.45	6.05	-	-	6.50	-	-	-	-	-
36	6.85	-	-	-	6.85	-	-	-	-	-
37	20.55	-	-	-	20.55	0.30	-	-	-	0.30
38	20.15	4.85	-	-	25.00	0.05	-	-	-	0.05
39	25.00	-	-	-	25.00	-	-	-	-	-
40	21.75	-	-	-	21.75	-	-	-	-	-
41	25.00	-	-	-	25.00	-	-	-	-	-
42	25.00	-	-	-	25.00	-	-	-	-	-
43	25.00	-	-	-	25.00	-	-	-	-	-
44	25.00	-	-	-	25.00	-	-	-	-	-
45	25.00	-	-	-	25.00	-	-	-	-	-
46	25.00	-	-	-	25.00	0.30	-	-	-	0.30
47	25.00	-	-	-	25.00	0.40	-	-	-	0.40
48	25.00	-	-	-	25.00	0.14	-	-	-	0.14
49	25.00	-	-	-	25.00	1.26	-	-	-	1.26
50	25.00	-	-	-	25.00	0.32	-	-	-	0.32
51	25.00	-	-	-	25.00	-	-	-	-	-
52	21.75	-	-	-	21.75	-	-	-	-	-
53	7.65	-	-	-	7.65	0.10	-	-	-	0.10
54	21.75	-	-	-	21.75	0.05	-	-	-	0.05
55	1.20	-	-	-	1.20	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-
59	-	-	1.60	-	1.60	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-
62	-	-	10.90	-	10.90	-	-	-	-	-
63	-	-	1.20	-	1.20	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-
66	-	2.00	-	-	2.00	-	-	-	-	-
67	-	24.20	-	-	24.20	-	-	-	-	-
68	-	20.55	-	-	20.55	-	-	-	-	-
69	-	25.00	-	-	25.00	-	-	-	-	-
70	-	25.00	-	-	25.00	-	0.05	-	-	0.05
71	-	25.00	-	-	25.00	-	0.22	-	-	0.22

TABLE D-15 5 KM GRID SQUARE LAND AND LAKE AREA DATA (CONT'D.)

SQN	LAND AREA1	LAND AREA2	LAND AREA3	LAND AREA4	LAND TAREA	LAKE AREA1	LAKE AREA2	LAKE AREA3	LAKE AREA4	LAKE TAREA
72	-	25.00	-	-	25.00	-	-	-	-	-
73	4.85	20.15	-	-	25.00	-	-	-	-	-
74	0.15	24.85	-	-	25.00	-	-	-	-	-
75	18.15	6.85	-	-	25.00	-	-	-	-	-
76	24.80	0.20	-	-	25.00	-	-	-	-	-
77	25.00	-	-	-	25.00	-	-	-	-	-
78	25.00	-	-	-	25.00	-	-	-	-	-
79	25.00	-	-	-	25.00	0.31	-	-	-	0.31
80	25.00	-	-	-	25.00	-	-	-	-	-
81	25.00	-	-	-	25.00	0.28	-	-	-	0.28
82	25.00	-	-	-	25.00	-	-	-	-	-
83	25.00	-	-	-	25.00	0.08	-	-	-	0.08
84	25.00	-	-	-	25.00	-	-	-	-	-
85	25.00	-	-	-	25.00	0.08	-	-	-	0.08
86	25.00	-	-	-	25.00	0.12	-	-	-	0.12
87	25.00	-	-	-	25.00	-	-	-	-	-
88	25.00	-	-	-	25.00	0.03	-	-	-	0.03
89	25.00	-	-	-	25.00	0.05	-	-	-	0.05
90	25.00	-	-	-	25.00	0.45	-	-	-	0.45
91	24.20	-	-	-	24.20	0.23	-	-	-	0.23
92	14.10	-	-	-	14.10	-	-	-	-	-
93	-	-	-	-	-	-	-	-	-	-
94	6.85	-	-	-	6.85	0.37	-	-	-	0.37
95	1.20	-	-	-	1.20	-	-	-	-	-
96	-	-	-	-	-	-	-	-	-	-
97	-	-	-	-	-	-	-	-	-	-
98	-	-	-	-	-	-	-	-	-	-
99	0.30	-	-	-	0.30	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
101	-	-	-	-	-	-	-	-	-	-
102	2.40	-	-	-	2.40	-	-	-	-	-
103	-	-	-	-	-	-	-	-	-	-
104	-	-	-	-	-	-	-	-	-	-
105	-	-	0.30	-	0.30	-	-	0.02	-	0.02
106	-	-	12.10	1.20	13.30	-	-	-	-	-
107	-	-	23.00	-	23.00	-	-	0.02	-	0.02
108	-	-	-	-	-	-	-	-	-	-
109	-	-	-	-	-	-	-	-	-	-
110	-	-	21.35	-	21.35	-	-	0.15	-	0.15
111	-	-	20.15	-	20.15	-	-	0.18	-	0.18
112	-	-	8.45	-	8.45	-	-	-	-	-
113	-	-	25.00	-	25.00	-	-	-	-	-
114	-	-	25.00	-	25.00	-	-	0.10	-	0.10
115	-	3.25	21.75	-	25.00	-	-	0.05	-	0.05
116	-	3.15	12.90	-	16.05	-	-	0.65	-	0.65
117	-	17.55	-	-	17.55	-	0.03	-	-	0.03
118	-	22.60	2.40	-	25.00	-	0.18	-	-	0.18
119	-	25.00	-	-	25.00	-	-	-	-	-
120	-	25.00	-	-	25.00	-	0.13	-	-	0.13
121	-	25.00	-	-	25.00	-	0.16	-	-	0.16
122	-	25.00	-	-	25.00	-	-	-	-	-
123	20.15	4.85	-	-	25.00	0.10	-	-	-	0.10
124	9.70	15.30	-	-	25.00	-	-	-	-	-
125	18.15	6.85	-	-	25.00	-	-	-	-	-
126	25.00	-	-	-	25.00	1.21	-	-	-	1.21
127	25.00	-	-	-	25.00	6.45	-	-	-	6.45
128	25.00	-	-	-	25.00	0.10	-	-	-	0.10
129	25.00	-	-	-	25.00	-	-	-	-	-
130	25.00	-	-	-	25.00	17.35	-	-	-	17.35
131	25.00	-	-	-	25.00	8.45	-	-	-	8.45
132	25.00	-	-	-	25.00	8.05	-	-	-	8.05
133	25.00	-	-	-	25.00	16.95	-	-	-	16.95
134	25.00	-	-	-	25.00	0.25	-	-	-	0.25
135	25.00	-	-	-	25.00	16.55	-	-	-	16.55
136	25.00	-	-	-	25.00	6.05	-	-	-	6.05
137	25.00	-	-	-	25.00	-	-	-	-	-
138	25.00	-	-	-	25.00	0.20	-	-	-	0.20
139	25.00	-	-	-	25.00	-	-	-	-	-
140	25.00	-	-	-	25.00	-	-	-	-	-
141	25.00	-	-	-	25.00	-	-	-	-	-
142	25.00	-	-	-	25.00	-	-	-	-	-

TABLE D-15 5 KM GRID SQUARE LAND AND LAKE AREA DATA (CONT'D.)

SQN	LAND AREA1	LAND AREA2	LAND AREA3	LAND AREA4	LAND TAREA	LAKE AREA1	LAKE AREA2	LAKE AREA3	LAKE AREA4	LAKE TAREA
143	25.00	-	-	-	25.00	0.59	-	-	-	0.59
144	25.00	-	-	-	25.00	-	-	-	-	-
145	21.75	-	-	-	21.75	0.10	-	-	-	0.10
146	25.00	-	-	-	25.00	-	-	-	-	-
147	25.00	-	-	-	25.00	-	-	-	-	-
148	16.55	-	-	-	16.55	-	-	-	-	-
149	7.50	-	-	-	7.50	0.20	-	-	-	0.20
150	24.90	-	-	-	24.90	-	-	-	-	-
151	25.00	-	-	-	25.00	0.10	-	-	-	0.10
152	16.95	-	-	-	16.95	0.03	-	-	-	0.03
153	22.60	-	-	-	22.60	0.02	-	-	-	0.02
154	25.00	-	-	-	25.00	-	-	-	-	-
155	25.00	-	-	-	25.00	0.05	-	-	-	0.05
156	6.45	-	-	-	6.45	0.10	-	-	-	0.10
157	1.20	-	-	-	1.20	-	-	-	-	-
158	11.70	-	-	-	11.70	0.20	-	-	-	0.20
159	6.45	-	-	-	6.45	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
161	-	-	-	-	-	-	-	-	-	-
162	0.15	-	-	-	0.15	-	-	-	-	-
163	0.80	-	-	-	0.80	-	-	-	-	-
164	-	-	-	-	-	-	-	-	-	-
165	-	-	-	-	-	-	-	-	-	-
166	-	-	-	-	-	-	-	-	-	-
167	-	-	-	6.45	6.45	-	-	-	-	-
168	-	-	-	-	-	-	-	-	-	-
169	-	-	-	1.20	1.20	-	-	-	-	-
170	-	-	-	23.00	23.00	-	-	-	0.20	0.20
171	-	-	-	25.00	25.00	-	-	-	6.05	6.05
172	-	-	-	14.90	14.90	-	-	-	-	-
173	-	-	5.65	18.55	24.20	-	-	-	0.25	0.25
174	-	-	-	25.00	25.00	-	-	-	0.05	0.05
175	-	-	20.55	4.45	25.00	-	-	-	0.02	0.02
176	-	-	25.00	-	25.00	-	-	0.06	-	0.06
177	-	-	25.00	-	25.00	-	-	0.24	-	0.24
178	-	-	25.00	-	25.00	-	-	0.20	-	0.20
179	-	-	25.00	-	25.00	-	-	0.10	-	0.10
180	-	-	25.00	-	25.00	-	-	0.04	-	0.04
181	-	-	25.00	-	25.00	-	-	0.50	-	0.50
182	-	-	25.00	-	25.00	-	-	2.40	-	2.40
183	-	12.50	12.50	-	25.00	-	-	-	-	-
184	-	7.25	17.75	-	25.00	-	0.80	-	-	0.80
185	-	25.00	-	-	25.00	-	5.25	-	-	5.25
186	-	25.00	-	-	25.00	-	-	-	-	-
187	-	25.00	-	-	25.00	-	0.08	-	-	0.08
188	-	25.00	-	-	25.00	-	10.10	-	-	10.10
189	0.80	24.20	-	-	25.00	-	1.20	-	-	1.20
190	1.60	23.40	-	-	25.00	-	-	-	-	-
191	24.90	0.10	-	-	25.00	0.03	-	-	-	0.03
192	23.00	2.00	-	-	25.00	10.10	-	-	-	10.10
193	25.00	-	-	-	25.00	16.15	-	-	-	16.15
194	25.00	-	-	-	25.00	-	-	-	-	-
195	25.00	-	-	-	25.00	-	-	-	-	-
196	25.00	-	-	-	25.00	10.90	-	-	-	10.90
197	25.00	-	-	-	25.00	3.20	-	-	-	3.20
198	25.00	-	-	-	25.00	0.18	-	-	-	0.18
199	25.00	-	-	-	25.00	0.35	-	-	-	0.35
200	25.00	-	-	-	25.00	0.05	-	-	-	0.05
201	25.00	-	-	-	25.00	0.10	-	-	-	0.10
202	25.00	-	-	-	25.00	0.10	-	-	-	0.10
203	25.00	-	-	-	25.00	6.45	-	-	-	6.45
204	25.00	-	-	-	25.00	13.30	-	-	-	13.30
205	25.00	-	-	-	25.00	7.65	-	-	-	7.65
206	25.00	-	-	-	25.00	21.75	-	-	-	21.75
207	25.00	-	-	-	25.00	8.90	-	-	-	8.90
208	25.00	-	-	-	25.00	0.22	-	-	-	0.22
209	25.00	-	-	-	25.00	0.07	-	-	-	0.07
210	25.00	-	-	-	25.00	5.90	-	-	-	5.90
211	25.00	-	-	-	25.00	-	-	-	-	-
212	25.00	-	-	-	25.00	0.18	-	-	-	0.18
213	25.00	-	-	-	25.00	-	-	-	-	-

TABLE D-15 5 KM GRID SQUARE LAND AND LAKE AREA DATA (CONT'D.)

SQN	LAND AREA1	LAND AREA2	LAND AREA3	LAND AREA4	LAND TAREA	LAKE AREA1	LAKE AREA2	LAKE AREA3	LAKE AREA4	LAKE TAREA
214	25.00	-	-	-	25.00	-	-	-	-	-
215	25.00	-	-	-	25.00	-	-	-	-	-
216	25.00	-	-	-	25.00	-	-	-	-	-
217	25.00	-	-	-	25.00	-	-	-	-	-
218	25.00	-	-	-	25.00	-	-	-	-	-
219	25.00	-	-	-	25.00	-	-	-	-	-
220	25.00	-	-	-	25.00	0.06	-	-	-	0.06
221	25.00	-	-	-	25.00	-	-	-	-	-
222	25.00	-	-	-	25.00	-	-	-	-	-
223	25.00	-	-	-	25.00	-	-	-	-	-
224	25.00	-	-	-	25.00	-	-	-	-	-
225	25.00	-	-	-	25.00	0.60	-	-	-	0.60
226	25.00	-	-	-	25.00	-	-	-	-	-
227	25.00	-	-	-	25.00	-	-	-	-	-
228	24.80	-	-	-	24.80	-	-	-	-	-
229	17.35	-	-	-	17.35	-	-	-	-	-
230	25.00	-	-	-	25.00	-	-	-	-	-
231	24.20	-	-	-	24.20	1.45	-	-	-	1.45
232	16.95	-	-	-	16.95	0.45	-	-	-	0.45
233	2.80	-	-	-	2.80	-	-	-	-	-
234	8.05	-	-	-	8.05	-	-	-	-	-
235	-	-	-	-	-	-	-	-	-	-
236	-	-	-	-	-	-	-	-	-	-
237	-	-	-	-	-	-	-	-	-	-
238	-	-	-	-	-	-	-	-	-	-
239	-	-	-	4.05	4.05	-	-	-	-	-
240	-	-	-	-	-	-	-	-	-	-
241	-	-	-	8.85	8.85	-	-	-	0.50	0.50
242	-	-	-	19.00	19.00	-	-	-	-	-
243	-	-	-	25.00	25.00	-	-	-	-	-
244	-	-	-	24.60	24.60	-	-	-	7.25	7.25
245	-	-	-	25.00	25.00	-	-	-	6.05	6.05
246	-	-	-	25.00	25.00	-	-	-	-	-
247	-	-	-	25.00	25.00	-	-	-	-	-
248	-	-	-	25.00	25.00	-	-	-	1.00	1.00
249	-	-	-	25.00	25.00	-	-	-	-	-
250	-	-	-	25.00	25.00	-	-	-	-	-
251	-	-	-	25.00	25.00	-	-	-	-	-
252	-	-	12.10	12.90	25.00	-	-	-	0.15	0.15
253	-	-	23.40	1.60	25.00	-	-	-	-	-
254	-	-	8.85	16.15	25.00	-	-	-	-	-
255	-	-	25.00	-	25.00	-	-	-	-	-
256	-	-	25.00	-	25.00	-	-	-	-	-
257	-	-	25.00	-	25.00	-	-	-	-	-
258	-	-	25.00	-	25.00	-	-	-	-	-
259	-	-	25.00	-	25.00	-	-	-	-	-
260	-	7.65	17.35	-	25.00	-	-	-	-	-
261	-	19.75	5.25	-	25.00	-	0.09	0.04	-	0.13
262	-	5.65	16.15	-	21.80	-	-	0.20	-	0.20
263	-	16.95	-	-	16.95	-	0.22	-	-	0.22
264	-	25.00	-	-	25.00	-	0.08	-	-	0.08
265	1.20	23.80	-	-	25.00	-	-	-	-	-
266	-	22.60	-	-	22.60	-	0.40	-	-	0.40
267	2.40	22.60	-	-	25.00	-	-	-	-	-
268	22.60	2.40	-	-	25.00	-	-	-	-	-
269	25.00	-	-	-	25.00	-	-	-	-	-
270	24.50	0.50	-	-	25.00	-	-	-	-	-
271	24.80	-	-	-	24.80	0.06	-	-	-	0.06
272	25.00	-	-	-	25.00	-	-	-	-	-
273	25.00	-	-	-	25.00	0.10	-	-	-	0.10
274	19.35	-	-	-	19.35	0.52	-	-	-	0.52
275	24.20	-	-	-	24.20	-	-	-	-	-
276	25.00	-	-	-	25.00	0.33	-	-	-	0.33
277	25.00	-	-	-	25.00	-	-	-	-	-
278	25.00	-	-	-	25.00	-	-	-	-	-
279	25.00	-	-	-	25.00	-	-	-	-	-
280	25.00	-	-	-	25.00	-	-	-	-	-
281	25.00	-	-	-	25.00	3.25	-	-	-	3.25
282	25.00	-	-	-	25.00	-	-	-	-	-
283	25.00	-	-	-	25.00	-	-	-	-	-
284	25.00	-	-	-	25.00	2.80	-	-	-	2.80

TABLE D-15 5 KM GRID SQUARE LAND AND LAKE AREA DATA (CONT'D.)

SQN	LAND AREA1	LAND AREA2	LAND AREA3	LAND AREA4	LAND TAREA	LAKE AREA1	LAKE AREA2	LAKE AREA3	LAKE AREA4	LAKE TAREA
285	25.00	-	-	-	25.00	8.05	-	-	-	8.05
286	25.00	-	-	-	25.00	0.10	-	-	-	0.10
287	25.00	-	-	-	25.00	0.86	-	-	-	0.86
288	25.00	-	-	-	25.00	13.30	-	-	-	13.30
289	25.00	-	-	-	25.00	16.15	-	-	-	16.15
290	25.00	-	-	-	25.00	1.72	-	-	-	1.72
291	25.00	-	-	-	25.00	4.30	-	-	-	4.30
292	25.00	-	-	-	25.00	17.35	-	-	-	17.35
293	25.00	-	-	-	25.00	15.30	-	-	-	15.30
294	25.00	-	-	-	25.00	4.45	-	-	-	4.45
295	25.00	-	-	-	25.00	0.84	-	-	-	0.84
296	25.00	-	-	-	25.00	16.55	-	-	-	16.55
297	25.00	-	-	-	25.00	13.30	-	-	-	13.30
298	25.00	-	-	-	25.00	9.35	-	-	-	9.35
299	25.00	-	-	-	25.00	14.50	-	-	-	14.50
300	25.00	-	-	-	25.00	0.10	-	-	-	0.10
301	25.00	-	-	-	25.00	-	-	-	-	-
302	25.00	-	-	-	25.00	6.45	-	-	-	6.45
303	25.00	-	-	-	25.00	-	-	-	-	-
304	25.00	-	-	-	25.00	-	-	-	-	-
305	25.00	-	-	-	25.00	-	-	-	-	-
306	25.00	-	-	-	25.00	0.05	-	-	-	0.05
307	9.70	-	-	-	9.70	0.10	-	-	-	0.10
308	17.75	-	-	-	17.75	-	-	-	-	-
309	-	-	-	1.60	1.60	-	-	-	-	-
310	-	-	-	0.80	0.80	-	-	-	-	-
311	-	-	-	16.20	16.20	-	-	-	-	-
312	-	-	-	20.15	20.15	-	-	-	-	-
313	-	-	-	25.00	25.00	-	-	-	-	-
314	-	-	-	25.00	25.00	-	-	-	-	-
315	-	-	-	13.35	13.35	-	-	-	-	-
316	-	-	-	25.00	25.00	-	-	-	-	-
317	-	-	-	25.00	25.00	-	-	-	0.02	0.02
318	-	-	-	21.75	21.75	-	-	-	-	-
319	-	-	-	5.25	5.25	-	-	-	-	-
320	-	-	-	18.95	18.95	-	-	-	0.07	0.07
321	-	-	-	18.15	18.15	-	-	-	-	-
322	-	-	-	-	-	-	-	-	-	-
323	-	-	3.20	0.85	4.05	-	-	-	-	-
324	-	-	1.00	23.15	24.15	-	-	-	-	-
325	-	-	17.75	7.25	25.00	-	-	-	-	-
326	-	-	20.55	-	20.55	-	-	-	-	-
327	-	-	14.90	-	14.90	-	-	-	-	-
328	-	-	25.00	-	25.00	-	-	-	-	-
329	-	-	25.00	-	25.00	-	-	-	-	-
330	-	-	23.40	-	23.40	-	-	-	-	-
331	-	-	15.75	-	15.75	-	-	-	-	-
332	-	-	25.00	-	25.00	-	-	0.10	-	0.10
333	-	-	15.75	-	15.75	-	-	0.20	-	0.20
334	-	-	4.05	-	4.05	-	-	-	-	-
335	-	-	-	-	-	-	-	-	-	-
336	-	-	-	-	-	-	-	-	-	-
337	-	10.50	-	-	10.50	-	-	-	-	-
338	-	-	-	-	-	-	-	-	-	-
339	-	-	-	-	-	-	-	-	-	-
340	-	14.50	-	-	14.50	-	-	-	-	-
341	3.25	1.60	-	-	4.85	-	-	-	-	-
342	-	-	-	-	-	-	-	-	-	-
343	-	-	-	-	-	-	-	-	-	-
344	1.60	-	-	-	1.60	0.10	-	-	-	0.10
345	-	-	-	-	-	-	-	-	-	-
346	-	-	-	-	-	-	-	-	-	-
347	5.25	-	-	-	5.25	0.28	-	-	-	0.28
348	12.10	-	-	-	12.10	-	-	-	-	-
349	25.00	-	-	-	25.00	-	-	-	-	-
350	24.90	-	-	-	24.90	-	-	-	-	-
351	25.00	-	-	-	25.00	-	-	-	-	-
352	25.00	-	-	-	25.00	-	-	-	-	-
353	25.00	-	-	-	25.00	-	-	-	-	-
354	25.00	-	-	-	25.00	-	-	-	-	-
355	25.00	-	-	-	25.00	-	-	-	-	-

TABLE D-15 5 KM GRID SQUARE LAND AND LAKE AREA DATA (CONT'D.)

SQN	LAND AREA1	LAND AREA2	LAND AREA3	LAND AREA4	LAND TAREA	LAKE AREA1	LAKE AREA2	LAKE AREA3	LAKE AREA4	LAKE TAREA
356	25.00	-	-	-	25.00	-	-	-	-	-
357	25.00	-	-	-	25.00	-	-	-	-	-
358	25.00	-	-	-	25.00	0.10	-	-	-	0.10
359	25.00	-	-	-	25.00	0.57	-	-	-	0.57
360	25.00	-	-	-	25.00	-	-	-	-	-
361	25.00	-	-	-	25.00	-	-	-	-	-
362	25.00	-	-	-	25.00	-	-	-	-	-
363	25.00	-	-	-	25.00	1.16	-	-	-	1.16
364	25.00	-	-	-	25.00	-	-	-	-	-
365	25.00	-	-	-	25.00	3.25	-	-	-	3.25
366	25.00	-	-	-	25.00	2.39	-	-	-	2.39
367	25.00	-	-	-	25.00	0.26	-	-	-	0.26
368	25.00	-	-	-	25.00	9.00	-	-	-	9.00
369	25.00	-	-	-	25.00	5.15	-	-	-	5.15
370	25.00	-	-	-	25.00	7.65	-	-	-	7.65
371	25.00	-	-	-	25.00	1.60	-	-	-	1.60
372	25.00	-	-	-	25.00	4.05	-	-	-	4.05
373	25.00	-	-	-	25.00	4.55	-	-	-	4.55
374	25.00	-	-	-	25.00	0.82	-	-	-	0.82
375	25.00	-	-	-	25.00	4.63	-	-	-	4.63
376	25.00	-	-	-	25.00	8.05	-	-	-	8.05
377	25.00	-	-	-	25.00	-	-	-	-	-
378	25.00	-	-	-	25.00	-	-	-	-	-
379	25.00	-	-	-	25.00	0.35	-	-	-	0.35
380	17.75	-	-	-	17.75	0.40	-	-	-	0.40
381	-	-	-	-	-	-	-	-	-	-
382	20.15	-	-	-	20.15	-	-	-	-	-
383	20.15	-	-	-	20.15	-	-	-	-	-
384	-	-	-	-	-	-	-	-	-	-
385	-	-	-	-	-	-	-	-	-	-
386	12.10	-	-	-	12.10	-	-	-	-	-
387	12.50	-	-	-	12.50	-	-	-	-	-
388	-	-	-	-	-	-	-	-	-	-
389	-	-	-	-	-	-	-	-	-	-
390	2.40	-	-	-	2.40	-	-	-	-	-
391	-	-	-	-	-	-	-	-	-	-
392	-	-	-	-	-	-	-	-	-	-
393	-	-	-	1.20	1.20	-	-	-	-	-
394	-	-	-	-	-	-	-	-	-	-
395	-	-	-	-	-	-	-	-	-	-
396	-	-	-	13.70	13.70	-	-	-	0.25	0.25
397	-	-	-	7.05	7.05	-	-	-	0.15	0.15
398	-	-	-	-	-	-	-	-	-	-
399	-	-	-	-	-	-	-	-	-	-
400	-	-	-	0.40	0.40	-	-	-	-	-
401	-	-	2.40	-	2.40	-	-	-	-	-
402	-	-	-	-	-	-	-	-	-	-
403	-	-	-	-	-	-	-	-	-	-
404	-	-	-	-	-	-	-	-	-	-
405	-	-	3.60	-	3.60	-	-	-	-	-
406	-	-	-	-	-	-	-	-	-	-
407	-	-	-	-	-	-	-	-	-	-
408	-	-	0.15	-	0.15	-	-	-	-	-
409	8.85	-	-	-	8.85	1.91	-	-	-	1.91
410	-	-	-	-	-	-	-	-	-	-
411	5.25	-	-	-	5.25	-	-	-	-	-
412	18.95	-	-	-	18.95	2.00	-	-	-	2.00
413	24.20	-	-	-	24.20	0.25	-	-	-	0.25
414	21.75	-	-	-	21.75	-	-	-	-	-
415	25.00	-	-	-	25.00	-	-	-	-	-
416	25.00	-	-	-	25.00	-	-	-	-	-
417	25.00	-	-	-	25.00	0.05	-	-	-	0.05
418	25.00	-	-	-	25.00	-	-	-	-	-
419	25.00	-	-	-	25.00	-	-	-	-	-
420	25.00	-	-	-	25.00	1.45	-	-	-	1.45
421	25.00	-	-	-	25.00	0.08	-	-	-	0.08
422	23.80	-	-	-	23.80	0.90	-	-	-	0.90
423	1.60	-	-	-	1.60	-	-	-	-	-
424	24.60	-	-	-	24.60	2.56	-	-	-	2.56
425	25.00	-	-	-	25.00	0.80	-	-	-	0.80
426	6.45	-	-	-	6.45	0.57	-	-	-	0.57

TABLE D-15 5 KM GRID SQUARE LAND AND LAKE AREA DATA (CONT'D.)

SQN	LAND AREA1	LAND AREA2	LAND AREA3	LAND AREA4	LAND TAREA	LAKE AREA1	LAKE AREA2	LAKE AREA3	LAKE AREA4	LAKE TAREA
427	16.70	-	-	-	16.70	0.05	-	-	-	0.05
428	25.00	-	-	-	25.00	1.00	-	-	-	1.00
429	25.00	-	-	-	25.00	0.07	-	-	-	0.07
430	25.00	-	-	-	25.00	-	-	-	-	-
431	25.00	-	-	-	25.00	0.10	-	-	-	0.10
432	25.00	-	-	-	25.00	-	-	-	-	-
433	25.00	-	-	-	25.00	0.05	-	-	-	0.05
434	25.00	-	-	-	25.00	0.10	-	-	-	0.10
435	25.00	-	-	-	25.00	-	-	-	-	-
436	25.00	-	-	-	25.00	0.30	-	-	-	0.30
437	25.00	-	-	-	25.00	-	-	-	-	-
438	16.15	-	-	-	16.15	0.05	-	-	-	0.05
439	12.10	-	-	-	12.10	-	-	-	-	-
440	25.00	-	-	-	25.00	0.25	-	-	-	0.25
441	24.55	-	-	-	24.55	-	-	-	-	-
442	3.15	-	-	-	3.15	-	-	-	-	-
443	2.25	-	-	-	2.25	-	-	-	-	-
444	23.80	-	-	-	23.80	-	-	-	-	-
445	21.75	-	-	-	21.75	-	-	-	-	-
446	0.20	-	-	-	0.20	-	-	-	-	-
447	0.80	-	-	-	0.80	-	-	-	-	-
448	18.25	-	-	-	18.25	-	-	-	-	-
449	-	-	-	-	-	-	-	-	-	-
450	-	-	-	-	-	-	-	-	-	-
451	-	-	-	-	-	-	-	-	-	-
452	5.25	-	-	-	5.25	-	-	-	-	-
453	19.75	-	-	-	19.75	-	-	-	-	-
454	1.20	-	-	-	1.20	-	-	-	-	-
455	16.15	-	-	-	16.15	-	-	-	-	-
456	25.00	-	-	-	25.00	-	-	-	-	-
457	25.00	-	-	-	25.00	-	-	-	-	-
458	25.00	-	-	-	25.00	-	-	-	-	-
459	25.00	-	-	-	25.00	-	-	-	-	-
460	25.00	-	-	-	25.00	-	-	-	-	-
461	25.00	-	-	-	25.00	0.34	-	-	-	0.34
462	25.00	-	-	-	25.00	-	-	-	-	-
463	12.50	-	-	-	12.50	0.20	-	-	-	0.20
464	7.25	-	-	-	7.25	0.05	-	-	-	0.05
465	-	-	-	-	-	-	-	-	-	-
466	-	-	-	-	-	-	-	-	-	-
467	-	-	-	-	-	-	-	-	-	-
468	4.10	-	-	-	4.10	-	-	-	-	-
469	11.70	-	-	-	11.70	-	-	-	-	-
470	-	-	-	-	-	-	-	-	-	-
471	-	-	-	-	-	-	-	-	-	-
472	14.50	-	-	-	14.50	-	-	-	-	-
473	20.95	-	-	-	20.95	0.10	-	-	-	0.10
474	1.60	-	-	-	1.60	-	-	-	-	-
475	6.05	-	-	-	6.05	-	-	-	-	-
476	22.60	-	-	-	22.60	-	-	-	-	-
477	4.85	-	-	-	4.85	-	-	-	-	-
478	-	-	-	-	-	-	-	-	-	-
479	-	-	-	-	-	-	-	-	-	-
480	-	-	-	-	-	-	-	-	-	-
481	-	-	-	-	-	-	-	-	-	-
482	-	-	-	-	-	-	-	-	-	-
483	-	-	-	-	-	-	-	-	-	-
484	0.75	-	-	-	0.75	-	-	-	-	-
485	18.55	-	-	-	18.55	0.10	-	-	-	0.10
486	2.80	-	-	-	2.80	-	-	-	-	-
487	24.20	-	-	-	24.20	0.63	-	-	-	0.63
488	25.00	-	-	-	25.00	0.27	-	-	-	0.27
489	25.00	-	-	-	25.00	0.15	-	-	-	0.15
490	19.75	-	-	-	19.75	0.50	-	-	-	0.50
491	0.40	-	-	-	0.40	-	-	-	-	-
492	6.85	-	-	-	6.85	-	-	-	-	-
493	0.15	-	-	-	0.15	-	-	-	-	-
494	-	-	-	-	-	-	-	-	-	-
495	-	-	-	-	-	-	-	-	-	-
496	4.05	-	-	-	4.05	-	-	-	-	-
497	0.60	-	-	-	0.60	-	-	-	-	-
498	-	-	-	-	-	-	-	-	-	-
499	-	-	-	-	-	-	-	-	-	-
500	-	-	-	-	-	-	-	-	-	-

TABLE D-16 5 KM GRID SQUARE ESTIMATED TEMPERATURE DATA
GROUP N MEAN MONTHLY AND ANNUAL TEMPERATURE (°F)

SQN	S	EN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	4	10	20.1	25.1	26.6	38.5	47.6	52.6	58.0	56.4	50.6	39.6	25.2	23.9	38.68
2	4	10	22.0	26.6	25.4	37.2	46.4	51.3	56.6	55.0	49.5	38.6	23.9	25.4	38.16
3	4	10	19.7	24.8	26.9	38.7	47.8	52.9	58.2	56.6	50.7	39.8	25.5	23.6	38.77
4	4	10	18.4	23.8	28.5	40.2	49.2	54.4	59.9	58.2	52.0	41.0	27.0	22.6	39.59
5	4	10	18.4	23.8	28.4	40.1	49.1	54.3	59.8	58.1	51.9	40.9	26.9	22.6	39.52
6	4	10	19.2	24.4	27.3	39.1	48.2	53.4	58.7	57.1	51.1	40.1	26.0	23.2	38.98
7	4	10	19.9	24.9	26.6	38.4	47.6	52.7	57.9	56.3	50.4	39.5	25.2	23.8	38.50
8	4	10	19.3	24.5	27.1	38.9	48.0	53.1	58.4	56.8	50.8	39.9	25.7	23.4	38.82
9	4	10	21.3	26.0	25.5	37.3	46.7	51.6	56.7	55.1	49.5	38.6	24.1	25.0	38.13
10	4	10	21.5	26.1	25.3	37.2	46.6	51.5	56.6	55.0	49.4	38.5	24.0	25.2	38.07
11	4	10	23.6	27.8	24.0	36.0	45.5	50.3	55.2	53.7	48.4	37.5	22.7	27.0	37.64
12	4	10	23.2	27.5	24.3	36.2	45.7	50.5	55.4	53.9	48.5	37.7	23.0	26.6	37.70
13	4	10	23.9	28.1	24.7	36.3	45.5	50.3	55.6	54.1	48.8	37.9	23.0	27.0	37.93
14	4	10	25.6	29.4	23.9	35.5	44.8	49.6	54.8	53.3	48.1	37.3	22.2	28.4	37.73
15	4	10	24.2	28.3	24.5	36.0	45.3	50.2	55.4	53.9	48.6	37.7	22.8	27.3	37.85
16	4	10	25.1	29.1	23.9	35.6	45.0	49.8	54.9	53.4	48.2	37.4	22.3	28.0	37.77
17	4	10	25.0	29.0	23.7	35.6	45.0	49.8	54.9	53.4	48.2	37.4	22.3	28.0	37.88
18	4	10	25.5	29.4	23.4	35.4	44.8	49.6	54.6	53.2	48.0	37.2	22.1	28.4	37.63
19	4	10	21.9	26.5	25.3	37.2	46.4	51.4	56.6	55.0	49.5	38.6	23.9	25.4	38.12
20	4	10	22.0	26.6	25.2	37.1	46.4	51.3	56.5	54.9	49.4	38.5	24.0	25.5	38.10
21	4	10	19.0	24.3	27.5	39.3	48.4	53.5	58.9	57.2	51.2	40.2	26.1	23.1	39.05
22	4	10	19.1	24.3	27.4	39.2	48.3	53.4	58.8	57.1	51.1	40.1	26.0	23.2	38.99
23	4	10	20.9	25.7	25.8	37.6	46.9	51.9	57.1	55.5	49.8	38.9	24.4	24.7	38.27
24	4	10	19.5	24.6	26.8	38.7	47.9	53.0	58.2	56.6	50.7	39.7	25.5	23.6	38.74
25	4	10	21.2	25.9	25.4	37.4	46.7	51.7	56.8	55.2	49.5	38.6	24.2	25.0	38.13
26	4	10	21.0	25.7	25.6	37.5	46.9	51.8	56.9	55.3	49.7	38.8	24.3	24.7	38.20
27	4	10	25.8	29.5	23.0	35.0	44.6	49.4	54.1	52.6	47.5	36.7	21.7	28.8	37.40
28	4	10	25.3	29.1	23.2	35.2	44.8	49.6	54.3	52.8	47.7	36.9	21.9	28.4	37.43
29	4	10	25.9	29.7	23.7	35.6	44.8	49.5	54.9	53.4	48.3	37.4	22.2	28.5	37.82
30	3	10	29.7	32.7	22.2	34.1	43.4	48.0	53.2	51.9	47.0	36.3	20.7	31.7	37.57
31	4	10	28.5	31.8	22.3	34.4	43.8	48.4	53.6	52.2	47.3	36.5	21.1	30.8	37.59
32	4	10	26.4	30.1	23.6	35.3	44.5	49.3	54.6	53.1	48.0	37.2	22.0	28.9	37.75
33	4	10	24.2	28.3	24.5	36.2	45.4	50.2	55.6	54.1	48.8	37.9	22.9	27.1	37.95
34	3	10	29.3	32.4	22.3	34.1	43.5	48.1	53.3	51.9	47.0	36.3	20.8	31.5	37.53
35	4	10	28.8	32.0	22.4	34.2	43.6	48.3	53.4	52.0	47.1	36.3	20.9	31.1	37.52
36	4	10	26.1	29.9	23.5	35.3	44.6	49.4	54.5	53.1	48.0	37.2	22.0	28.8	37.70
37	4	10	26.2	29.9	23.6	35.2	44.6	49.3	54.5	53.0	47.9	37.1	21.9	28.9	37.67
38	4	10	24.5	28.6	24.3	36.0	45.2	50.0	55.3	53.8	48.5	37.7	22.7	27.5	37.84
39	4	10	19.8	24.9	27.3	38.8	47.9	52.9	58.4	56.8	50.9	39.9	25.6	23.6	38.89
40	4	10	22.8	27.2	25.2	36.9	46.0	50.9	56.2	54.6	49.2	38.3	23.5	26.1	38.06
41	4	10	21.1	25.9	26.1	37.7	46.9	51.9	57.2	55.6	49.9	39.0	24.5	24.7	38.39
42	4	10	18.3	23.7	29.0	40.5	49.4	54.6	60.2	58.5	52.2	41.2	27.3	22.5	39.78
43	4	10	18.9	24.2	27.8	39.5	48.5	53.7	59.1	57.5	51.4	40.4	26.3	23.0	39.20
44	4	10	18.8	24.1	27.9	39.7	48.7	53.8	59.3	57.6	51.5	40.5	26.5	22.9	39.29
45	4	10	18.5	23.9	28.2	39.9	49.0	54.1	59.6	57.9	51.7	40.7	26.8	22.7	39.42
46	4	10	21.3	26.0	25.6	37.5	46.8	51.7	56.9	55.3	49.7	38.8	24.3	24.9	38.23
47	4	10	20.1	25.1	26.4	38.2	47.4	52.5	57.7	56.1	50.3	39.3	25.0	24.0	38.51
48	4	10	20.9	25.7	25.8	37.7	47.0	51.9	57.1	55.5	49.8	38.9	24.5	24.6	38.28
49	4	10	20.2	25.2	26.2	38.0	47.3	52.3	57.5	55.9	50.1	39.2	24.8	24.2	38.41
50	4	10	18.9	24.2	27.4	39.2	48.4	53.5	58.8	57.1	51.1	40.1	26.0	23.1	38.97
51	4	10	19.5	24.6	26.7	38.5	47.8	52.9	58.0	56.4	50.5	39.6	25.4	23.6	38.63
52	4	10	22.1	26.7	24.8	36.7	46.2	51.1	56.1	54.5	49.0	38.1	23.5	25.8	37.88
53	4	10	23.1	27.4	24.2	36.1	45.7	50.5	55.4	53.8	48.5	37.6	22.9	26.6	37.66
54	4	10	21.6	26.2	25.1	37.0	46.5	51.4	56.3	54.7	49.2	38.3	23.8	25.4	37.95
55	4	10	22.5	26.9	24.5	36.4	45.9	50.8	55.6	54.1	48.6	37.8	23.2	26.2	37.71
56	4	10	21.0	25.7	25.4	37.2	46.8	51.7	56.6	55.0	49.4	38.5	24.1	24.9	38.07
57	3	10	18.2	23.8	34.1	42.7	51.1	56.5	62.7	61.0	54.3	43.1	29.5	22.3	41.61
58	3	11	20.5	25.7	37.5	46.1	54.2	59.9	66.5	64.5	57.1	45.9	33.0	24.7	44.65
59	3	10	18.3	23.9	32.5	43.2	51.6	57.0	63.3	61.5	54.7	43.5	30.0	22.6	41.81
60	3	10	18.7	24.2	33.5	44.2	52.5	58.0	64.3	62.5	55.5	44.3	31.0	22.9	42.64
61	4	10	18.7	24.1	29.4	40.6	49.2	54.4	60.4	58.7	52.5	41.4	27.4	22.6	39.96
62	4	10	18.2	23.7	31.4	42.3	50.8	56.1	62.2	60.5	53.9	42.8	29.1	22.2	41.10
63	4	10	18.2	23.7	31.9	42.9	51.3	56.7	62.9	61.1	54.4	43.2	29.7	22.4	41.53
64	4	10	20.4	25.4	27.3	38.7	47.5	52.6	58.4	56.7	50.9	39.9	25.4	23.9	38.93
65	4	10	22.2	26.8	25.8	37.4	46.4	51.3	56.9	55.3	49.8	38.9	24.1	25.4	38.36
66	4	10	18.8	24.2	28.8	40.2	49.0	54.1	60.0	58.3	52.2	41.1	27.0	22.7	39.71
67	4	10	18.2	23.7	30.0	41.4	50.1	55.4	61.3	59.6	53.1	42.0	28.2	22.3	40.44
68	4	10	21.2	26.0	26.4	38.0	47.0	52.0	57.5	56.0	50.3	39.4	24.8	24.6	38.59
69	4	10	25.3	29.2	24.0	35.7	45.0	49.8	55.0	53.6	48.4	37.5	22.4	28.0	37.82
70	4	10	18.6	24.0	28.9	40.4	49.1	54.3	60.1	58.4	52.2	41.2	27.2	22.6	39.76
71	4	10	19.0	23.5	31.1	42.4	51.0	56.4	62.3	60.5	53.9	42.8	29.2	22.3	41.11

TABLE D-16 5 KM GRID SQUARE ESTIMATED TEMPERATURE DATA (CONT'D.)
GROUP N MEAN MONTHLY AND ANNUAL TEMPERATURE (°F)

SQN	S	EN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
72	4	10	22.8	27.3	25.2	36.9	46.0	50.9	56.3	54.8	49.3	38.4	23.6	26.0	38.13
73	4	10	20.4	25.3	27.0	38.4	47.4	52.5	57.9	56.4	50.6	39.6	25.2	24.0	38.72
74	4	10	17.9	23.5	31.2	42.4	51.1	56.5	62.4	60.6	53.9	42.8	29.3	22.3	41.16
75	4	10	18.0	23.5	31.7	42.9	51.5	57.0	62.9	61.1	54.3	43.1	29.8	22.4	41.51
76	4	10	18.1	23.6	29.6	40.9	49.8	55.0	60.7	59.0	52.7	41.6	27.8	22.4	40.10
77	4	10	18.1	23.6	29.5	40.9	49.8	55.1	60.7	59.0	52.6	41.6	27.8	22.3	40.08
78	4	10	17.9	23.5	31.5	42.8	51.4	56.9	62.7	60.9	54.1	43.0	29.6	22.4	41.39
79	3	10	18.1	23.7	32.1	43.5	52.1	57.6	63.5	61.6	54.7	43.5	30.4	22.7	41.97
80	4	10	18.9	24.2	27.8	39.5	48.5	53.6	59.1	57.4	51.4	40.4	26.3	23.0	39.18
81	4	10	18.4	23.8	28.2	40.0	49.0	54.2	59.7	58.0	51.8	40.8	26.8	22.7	39.45
82	3	10	18.5	23.9	32.6	44.1	52.7	58.1	64.2	62.3	55.2	44.0	31.0	23.1	42.50
83	3	10	18.2	23.7	32.1	43.6	52.3	57.8	63.6	61.8	54.8	43.6	30.6	22.8	42.08
84	4	10	18.1	23.5	28.8	40.5	49.5	54.9	60.2	58.5	52.2	41.2	27.4	22.4	39.76
85	4	10	17.8	23.3	29.2	40.9	49.9	55.2	60.6	58.9	52.5	41.4	27.7	22.3	39.98
86	4	10	17.7	23.3	31.0	42.6	51.4	56.8	62.5	60.6	53.9	42.7	29.5	22.4	41.19
87	4	10	17.8	23.3	29.2	40.8	49.9	55.2	60.5	58.8	52.4	41.4	27.7	22.3	39.94
88	4	10	17.9	23.4	28.8	40.6	49.7	54.9	60.3	58.5	52.2	41.1	27.4	22.4	39.76
89	4	10	19.1	24.2	27.1	38.9	48.2	53.3	58.4	56.7	50.7	39.8	25.7	23.3	38.77
90	4	10	18.9	24.1	27.2	39.1	48.3	53.5	58.6	56.9	50.9	39.9	25.9	23.1	38.87
91	4	10	19.8	24.8	26.3	38.1	47.5	52.5	57.5	55.9	50.1	39.1	24.9	24.0	38.38
92	4	10	22.0	26.5	24.7	36.6	46.2	51.1	55.9	54.3	48.9	38.0	23.4	25.8	37.79
93	4	10	20.7	25.5	25.5	37.4	46.9	51.9	56.7	55.1	49.4	38.5	24.2	24.7	38.05
94	4	10	22.0	26.5	24.7	36.6	46.2	51.1	55.9	54.3	48.8	37.9	23.4	25.8	37.75
95	4	10	22.5	26.9	24.2	36.2	45.9	50.8	55.4	53.9	48.4	37.6	23.0	26.3	37.59
96	4	10	20.0	25.0	26.0	37.7	47.3	52.3	57.1	55.5	49.7	38.9	24.6	24.2	38.19
97	4	10	20.7	25.5	25.3	37.2	46.8	51.8	56.5	54.9	49.2	38.3	24.0	24.8	37.92
98	4	10	21.8	26.3	24.6	36.5	46.2	51.1	55.8	54.2	48.7	37.8	23.4	25.7	37.67
99	4	10	20.2	25.1	25.5	37.4	47.1	52.1	56.8	55.1	49.4	38.5	24.3	24.5	37.99
100	4	10	20.9	24.9	25.7	37.5	47.2	52.2	56.9	55.2	49.5	38.6	24.4	24.3	38.05
101	4	10	20.9	25.6	25.2	36.9	46.6	51.6	56.1	54.5	48.9	38.0	23.7	25.1	37.77
102	4	10	22.9	27.2	23.9	35.7	45.6	50.5	54.9	53.3	48.0	37.1	22.6	26.9	37.37
103	4	10	21.1	25.8	25.1	36.6	46.5	51.4	55.9	54.2	48.7	37.8	23.5	25.3	37.66
104	4	10	18.6	23.8	27.0	38.5	48.2	53.3	58.0	56.2	50.3	39.3	25.4	23.3	38.49
105	3	10	18.3	23.9	32.2	43.1	51.4	56.8	63.1	61.4	54.6	43.3	29.9	22.4	41.70
106	4	10	19.0	24.3	29.7	40.5	49.1	54.2	60.3	58.7	52.5	41.4	27.3	22.7	39.97
107	4	10	19.1	24.4	29.6	40.3	48.9	54.0	60.1	58.4	52.3	41.2	27.0	22.8	39.84
108	4	10	18.4	23.9	31.0	41.7	50.1	55.4	61.6	59.9	53.4	42.3	28.5	22.3	40.70
109	3	10	18.3	23.9	32.6	43.2	51.5	57.0	63.3	61.5	54.7	43.5	30.0	22.4	41.82
110	4	10	18.2	23.8	31.8	42.4	50.9	56.2	62.4	60.7	54.1	42.9	29.2	22.3	41.24
111	3	10	18.2	23.8	32.1	42.7	51.1	56.5	62.7	60.9	54.2	43.1	29.5	22.3	41.42
112	4	10	19.1	24.4	29.2	40.1	48.8	53.9	59.8	58.2	52.1	41.1	26.9	22.8	39.70
113	4	10	18.5	24.0	29.9	41.0	49.6	54.8	60.8	59.1	52.8	41.7	27.7	22.4	40.19
114	3	10	18.6	24.1	33.2	44.0	52.3	57.8	64.1	62.3	55.3	44.1	30.8	22.8	42.44
115	3	10	19.0	24.4	33.7	44.6	52.9	58.5	64.8	63.0	55.8	44.6	31.5	23.1	43.01
116	3	10	18.2	23.8	32.0	43.0	51.5	56.9	63.1	61.3	54.5	43.4	29.9	22.4	41.66
117	4	10	18.1	23.7	31.2	42.4	51.0	56.3	62.4	60.7	54.0	42.9	29.3	22.3	41.18
118	3	11	19.6	24.9	34.1	45.3	53.5	59.2	65.5	63.6	56.4	45.1	32.2	23.9	43.62
119	3	10	18.3	23.9	32.4	43.6	52.0	57.5	63.7	61.9	55.0	43.8	30.5	22.7	42.09
120	4	10	18.1	23.6	31.4	42.7	51.3	56.7	62.7	61.0	54.2	43.1	29.6	22.3	41.40
121	4	10	18.2	23.7	31.9	43.3	51.8	57.2	63.3	61.5	54.7	43.5	30.1	22.5	41.81
122	3	10	18.9	24.3	33.2	44.6	52.9	58.5	64.7	62.9	55.7	44.5	31.5	23.3	42.92
123	3	10	19.1	24.5	33.6	44.8	53.2	58.8	65.0	63.1	55.9	44.7	31.7	23.6	43.18
124	3	10	18.2	23.8	32.1	43.4	52.0	57.4	63.5	61.7	54.8	43.6	30.3	22.6	41.94
125	3	11	19.4	24.7	33.9	45.1	53.5	59.1	65.3	63.4	56.1	44.9	32.0	23.8	43.43
126	3	11	21.3	26.3	35.5	46.6	54.9	60.6	67.0	65.0	57.4	46.1	33.6	25.7	45.01
127	3	11	22.9	27.5	36.6	47.6	55.8	61.6	68.0	66.0	58.2	46.8	34.5	27.3	46.06
128	3	11	19.5	24.8	34.1	45.2	53.6	59.3	65.4	63.5	56.2	45.0	32.1	24.0	43.55
129	3	10	19.1	24.5	33.7	44.9	53.4	59.0	65.0	63.1	55.9	44.7	31.8	23.7	43.23
130	3	11	23.3	27.8	36.8	47.8	56.0	61.8	68.2	66.2	58.3	46.9	34.7	27.7	46.29
131	3	11	20.4	25.5	34.8	46.0	54.4	60.1	66.3	64.3	56.8	45.5	33.0	25.0	44.45
132	3	11	21.6	26.5	35.6	46.8	55.1	60.9	67.1	65.1	57.5	46.2	33.8	26.1	45.19
133	3	11	23.0	27.6	36.5	47.6	55.9	61.7	68.0	65.9	58.1	46.8	34.6	27.5	46.09
134	3	11	19.4	24.7	33.7	45.1	53.7	59.3	65.3	63.4	56.1	44.8	32.1	24.0	43.46
135	3	11	23.1	27.7	36.3	47.6	55.9	61.8	68.0	65.9	58.1	46.7	34.6	27.6	46.11
136	3	11	21.0	26.0	35.0	46.4	54.8	60.6	66.7	64.7	57.1	45.8	33.4	25.6	44.74
137	3	10	18.7	24.1	33.0	44.5	53.2	59.1	64.6	62.6	55.5	44.3	31.4	23.5	42.84
138	3	11	20.2	25.4	34.4	45.8	54.4	60.1	66.1	64.1	56.6	45.3	32.8	25.0	44.17
139	4	10	17.7	23.2	30.9	42.6	51.5	56.9	62.5	60.6	53.9	42.7	29.5	22.4	41.20
140	4	10	17.8	23.3	29.0	40.7	49.8	55.1	60.4	58.7	52.3	41.3	27.6	22.3	39.87
141	4	10	18.8	24.0	27.3	39.1	48.4	53.5	58.7	57.0	51.0	40.0	26.0	23.1	38.91
142	4	10	18.6	23.9	27.5	39.3	48.5	53.7	58.9	57.2	51.1	40.1	26.1	23.0	38.99

TABLE D-16 5 KM GRID SQUARE ESTIMATED TEMPERATURE DATA (CONT'D.)
GROUP N MEAN MONTHLY AND ANNUAL TEMPERATURE (°F)

SQN	S	EN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
143	4	10	18.6	23.9	27.4	39.2	48.5	53.6	58.9	57.1	51.0	40.0	26.1	23.0	38.94
144	4	10	18.9	24.1	27.2	38.9	48.3	53.4	58.5	56.8	50.8	39.8	25.8	23.2	38.90
145	4	10	21.7	26.3	25.0	35.7	46.3	51.3	56.0	54.4	48.9	38.1	23.6	25.5	37.82
146	4	10	18.3	23.6	27.7	39.5	48.9	54.0	59.1	57.3	51.2	40.2	26.4	22.8	39.08
147	4	10	19.7	24.7	26.2	38.0	47.5	52.5	57.4	55.7	49.9	39.0	24.8	24.0	38.70
148	4	10	22.8	27.2	24.1	36.0	45.7	50.6	55.3	53.7	48.3	37.5	22.9	26.5	37.54
149	4	10	22.5	26.9	24.1	36.1	45.9	50.7	55.3	53.7	48.3	37.5	22.9	26.3	37.53
150	4	10	20.7	25.5	25.3	37.2	46.8	51.8	56.5	54.9	49.2	38.3	24.0	24.8	37.92
151	4	10	19.7	24.7	25.9	37.8	47.4	52.5	57.2	55.5	49.7	38.8	24.7	24.0	38.16
152	4	10	20.7	25.5	25.2	37.1	46.8	51.8	56.4	54.7	49.1	38.2	23.9	24.9	37.86
153	4	10	22.9	27.2	23.9	35.7	45.6	50.5	54.9	53.3	48.0	37.1	22.6	26.8	37.37
154	4	10	22.8	27.1	24.0	35.8	45.7	50.5	55.0	53.4	48.0	37.2	22.7	26.8	37.39
155	4	10	21.2	25.8	25.0	36.6	46.5	51.4	55.9	54.2	48.7	37.8	23.5	25.4	37.65
156	4	10	22.7	27.0	24.1	35.7	45.7	50.5	54.9	53.3	47.9	37.1	22.6	26.6	37.36
157	4	10	22.1	26.5	24.3	36.0	45.9	50.8	55.2	53.5	48.1	37.3	22.9	26.2	37.40
158	4	10	22.3	26.7	24.2	35.8	45.8	50.7	55.0	53.4	48.0	37.2	22.7	26.4	37.36
159	4	10	22.3	26.7	24.1	35.8	45.8	50.7	54.9	53.3	47.9	37.1	22.6	26.4	37.30
160	4	10	19.7	24.7	25.9	37.3	47.2	52.2	56.7	54.9	49.2	38.3	24.3	24.3	37.90
161	4	10	18.1	23.4	27.2	38.6	48.5	53.6	58.1	56.3	50.3	39.3	25.6	23.1	38.50
162	4	10	20.3	25.1	25.4	36.9	46.8	51.8	56.1	54.4	48.8	37.9	23.8	24.8	37.67
163	4	10	17.8	23.2	27.4	38.8	48.7	53.8	58.3	56.5	50.4	39.4	25.8	22.9	38.59
164	4	10	17.0	22.5	29.0	40.4	50.1	55.4	60.0	58.1	51.7	40.7	27.4	22.3	39.57
165	3	10	19.0	24.5	34.8	44.6	52.6	58.2	64.8	63.0	55.9	44.7	31.4	23.1	43.04
166	3	11	21.4	26.5	37.0	46.9	54.7	60.4	67.2	65.3	57.8	46.5	33.7	25.4	45.22
167	3	11	22.4	27.3	37.4	47.5	55.3	61.1	67.9	66.0	58.3	47.0	34.3	26.4	45.90
168	3	11	20.2	25.5	35.5	45.9	53.8	59.5	66.2	64.3	57.0	45.7	32.7	24.3	44.22
169	3	10	18.8	24.3	33.9	44.2	52.3	57.8	64.3	62.5	55.6	44.3	31.0	22.8	42.65
170	3	11	22.5	27.3	37.2	47.5	55.3	61.1	68.0	66.0	58.3	47.0	34.4	26.4	45.90
171	3	11	24.2	28.7	38.4	48.4	56.2	62.0	69.0	67.0	59.1	47.7	35.3	28.1	47.01
172	3	11	20.2	25.4	35.4	45.9	53.9	59.5	66.2	64.3	57.0	45.7	32.7	24.3	44.20
173	3	11	22.3	27.1	36.9	47.4	55.2	61.0	67.8	65.9	58.2	46.8	34.3	26.3	45.78
174	3	11	22.1	27.0	36.9	47.3	55.1	60.9	67.7	65.7	58.1	46.7	34.1	26.1	45.64
175	3	11	21.6	26.6	36.5	46.9	54.9	60.6	67.4	65.4	57.8	46.5	33.8	25.7	45.32
176	3	11	23.1	27.8	37.4	47.8	55.7	61.5	68.3	66.4	58.6	47.2	34.7	27.2	46.31
177	3	11	22.1	27.0	36.8	47.2	55.2	61.0	67.7	65.7	58.1	46.7	34.1	26.2	45.65
178	3	11	21.5	26.5	36.5	46.8	54.8	60.5	67.2	65.4	57.7	46.4	33.7	25.6	45.23
179	3	11	19.7	25.0	34.8	45.4	53.5	59.2	65.6	63.8	56.5	45.2	32.3	23.9	43.74
180	3	11	21.4	26.4	36.2	46.7	54.8	60.5	67.1	65.2	57.6	46.3	33.6	25.6	45.12
181	3	11	21.3	26.3	35.9	46.7	54.8	60.5	67.1	65.2	57.6	46.3	33.6	25.6	46.07
182	3	11	20.3	25.5	35.0	46.0	54.1	59.7	66.3	64.4	57.0	45.7	32.8	24.6	44.29
183	3	11	19.5	24.9	34.6	45.2	53.5	59.1	65.5	63.6	56.3	45.1	32.1	23.8	43.59
184	3	11	21.7	26.6	36.2	46.9	55.0	60.7	67.3	65.4	57.7	46.4	33.8	25.9	45.30
185	3	11	22.4	27.2	36.6	47.3	55.4	61.2	67.9	65.8	58.1	46.7	34.3	26.6	45.78
186	4	10	18.1	23.7	31.9	42.7	51.4	56.8	62.9	61.1	54.4	43.2	29.7	22.4	41.53
187	4	10	18.1	23.7	30.3	41.5	50.2	55.5	61.4	59.7	53.2	42.1	28.3	22.3	40.52
188	3	11	21.9	26.8	35.9	47.0	55.2	60.9	67.4	65.5	57.8	46.5	34.0	26.2	45.47
189	3	11	23.0	27.7	36.6	47.7	55.8	61.6	68.1	66.1	58.3	47.0	34.6	27.3	46.15
190	3	10	18.3	23.8	32.0	43.5	52.0	57.4	63.5	61.7	54.8	43.6	30.3	22.6	41.96
191	3	10	18.5	24.0	32.8	44.0	52.5	58.0	64.1	62.3	55.3	44.1	30.9	22.9	42.46
192	3	11	24.1	28.6	37.1	48.2	56.3	62.2	68.7	66.7	58.8	47.4	35.2	28.4	46.80
193	3	11	23.6	28.1	37.0	48.0	56.1	61.9	68.4	66.4	58.5	47.1	34.9	27.9	46.51
194	4	10	17.9	23.5	30.9	42.3	51.0	56.3	62.2	60.5	53.8	42.7	29.2	22.3	41.05
195	4	10	18.1	23.6	29.4	40.9	49.7	55.0	60.7	58.9	52.6	41.5	27.7	22.4	40.05
196	3	11	22.1	26.9	36.1	47.1	55.3	61.1	67.5	65.5	57.8	46.4	34.1	26.5	45.53
197	3	10	19.0	24.4	33.7	44.8	53.3	58.9	64.9	63.0	55.8	44.6	31.7	23.6	43.15
198	4	10	19.1	24.3	28.0	37.4	48.4	53.5	59.0	57.4	51.3	40.3	26.2	23.1	39.17
199	4	10	18.8	24.1	28.2	39.7	48.7	53.8	59.3	57.6	51.5	40.5	26.5	22.9	39.31
200	4	10	17.9	23.4	30.0	41.4	50.2	55.5	61.2	59.4	53.0	41.9	28.2	22.3	40.36
201	4	10	17.9	23.4	29.5	41.1	50.0	55.3	60.8	59.1	52.7	41.6	27.9	22.3	40.13
202	4	10	18.0	23.5	29.4	40.9	49.8	55.1	60.6	58.9	52.5	41.5	27.7	22.3	40.01
203	3	11	20.5	25.6	34.8	46.1	54.6	60.3	66.3	64.3	56.8	45.5	33.1	25.2	44.44
204	3	11	22.0	26.8	35.7	47.0	55.4	61.2	67.4	65.3	57.6	46.3	34.0	26.7	45.46
205	3	11	23.8	28.2	36.7	47.9	56.3	62.2	68.4	66.3	58.4	47.2	35.0	28.4	46.54
206	3	11	24.9	29.1	37.2	48.5	56.8	62.7	69.0	66.8	58.9	47.6	35.5	29.4	47.19
207	3	11	23.0	27.6	36.2	47.5	56.0	61.8	67.9	65.8	58.0	46.6	34.6	27.7	46.07
208	3	10	18.6	24.0	32.8	44.3	53.0	58.6	64.4	62.4	55.3	44.1	31.3	23.4	42.68
209	4	10	18.1	23.5	28.2	39.9	49.1	54.3	59.6	57.9	51.7	40.6	26.8	22.6	39.38
210	3	11	19.4	24.7	33.7	45.1	53.8	59.5	65.3	63.3	56.0	44.7	32.1	24.3	43.49
211	4	10	17.8	23.3	31.5	43.1	52.0	57.5	63.0	61.2	54.3	43.1	30.1	22.7	41.53
212	4	10	18.2	23.6	28.1	39.8	49.0	54.3	59.4	57.6	51.5	40.5	26.6	22.7	39.26
213	4	10	17.5	23.0	29.4	41.0	50.2	55.5	60.8	59.0	52.5	41.4	28.0	22.3	40.05

TABLE D-16 5 KM GRID SQUARE ESTIMATED TEMPERATURE DATA (CONT'D.)
GROUP N MEAN MONTHLY AND ANNUAL TEMPERATURE (°F)

SQN	S	EN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
214	4	10	17.5	23.1	31.0	42.5	51.5	57.0	62.4	60.5	53.7	42.6	29.4	22.4	41.13
215	4	10	17.4	23.0	29.5	41.1	50.3	55.6	60.8	59.0	52.5	41.5	28.1	22.2	40.10
216	4	10	19.1	24.3	26.7	38.5	48.0	53.0	57.9	56.3	50.3	39.4	25.4	23.5	38.52
217	4	10	20.0	24.9	25.8	37.7	47.3	52.3	57.0	55.4	49.6	38.7	24.5	24.2	38.13
218	4	10	17.3	22.9	30.4	42.1	51.2	56.6	61.9	60.0	53.3	42.2	29.0	22.3	40.78
219	4	10	17.6	23.1	31.3	42.9	52.1	57.5	62.8	60.9	54.0	42.9	29.0	22.7	41.47
220	4	10	17.9	23.3	27.9	39.6	49.1	54.3	59.2	57.4	51.2	40.2	26.5	22.6	39.11
221	4	10	20.0	24.9	25.6	37.5	47.2	52.2	56.8	55.2	49.4	38.5	24.4	24.3	38.00
222	4	10	17.2	22.8	29.5	41.2	50.5	55.8	60.9	59.0	52.5	41.4	28.1	22.2	40.10
223	4	10	17.1	22.7	29.5	41.1	50.5	55.8	60.8	58.9	52.4	41.3	28.1	22.2	40.05
224	4	10	19.0	24.1	26.6	38.2	47.9	52.9	57.6	55.8	50.0	39.0	25.1	23.6	38.31
225	4	10	20.7	25.4	25.5	36.8	46.7	51.6	56.1	54.4	48.8	37.9	23.7	25.0	37.72
226	4	10	17.5	22.6	28.6	39.9	49.5	54.7	59.4	57.6	51.4	40.4	26.9	22.5	39.26
227	4	10	18.5	23.7	27.1	38.4	48.2	53.3	57.8	56.0	50.1	39.1	25.3	23.3	38.39
228	4	10	22.4	26.7	24.2	35.7	45.8	50.6	54.9	53.2	47.9	37.0	22.6	26.5	37.30
229	4	10	21.2	25.8	24.6	36.3	46.3	51.2	55.5	53.8	48.3	37.4	23.2	25.6	37.43
230	4	10	18.5	23.7	26.8	38.2	48.1	53.2	57.6	55.9	49.9	39.0	25.2	23.4	38.30
231	4	10	17.3	22.8	28.2	39.6	49.4	54.6	59.1	57.3	51.0	40.0	26.6	22.5	39.04
232	4	10	18.3	23.5	26.8	38.3	48.2	53.3	57.7	55.9	50.0	39.0	25.3	23.2	38.30
233	4	10	16.9	22.5	30.5	41.9	51.5	57.0	61.6	59.7	52.9	41.8	29.0	22.4	40.55
234	4	10	16.8	22.4	29.7	41.0	50.7	56.1	60.7	58.8	52.2	41.1	28.1	22.3	39.98
235	4	10	16.9	22.5	30.9	42.3	51.9	57.4	62.0	60.0	53.2	42.1	29.3	22.6	40.92
236	4	10	16.7	22.3	30.0	41.3	51.0	56.4	60.9	59.0	52.3	41.3	28.3	22.3	40.15
237	3	11	23.4	28.0	37.8	48.0	55.7	61.5	68.6	66.6	58.8	47.4	34.9	27.2	46.50
238	3	11	19.5	24.9	34.8	45.2	53.2	58.8	65.5	63.7	56.5	45.2	32.0	23.5	43.56
239	3	10	18.4	24.0	32.2	42.9	51.1	56.5	62.9	61.2	54.5	43.4	29.6	22.3	41.58
240	3	11	23.1	27.8	37.5	47.9	55.6	61.4	68.4	66.4	58.7	47.3	34.7	27.0	46.32
241	3	11	24.2	28.7	38.9	48.4	56.1	62.0	69.0	67.0	59.1	47.7	35.3	28.1	47.15
242	3	10	19.5	24.9	35.2	45.1	53.2	58.7	65.4	63.6	56.4	45.1	32.0	23.5	43.54
243	3	11	20.3	25.5	36.2	45.9	53.9	59.5	66.3	64.4	57.0	45.8	32.8	24.3	44.33
244	3	11	25.0	29.3	39.1	48.8	56.5	62.4	69.4	67.4	59.4	48.0	35.7	28.8	47.50
245	3	11	23.3	28.0	37.8	48.0	55.8	61.6	68.5	66.5	58.7	47.3	34.9	27.3	46.47
246	3	10	18.3	23.9	32.2	42.7	51.0	56.4	62.7	61.0	54.3	43.2	29.5	22.3	41.46
247	4	10	19.5	24.7	29.4	39.9	48.5	53.6	59.6	58.1	52.0	41.0	26.6	23.0	39.66
248	3	10	18.7	24.3	33.7	44.1	52.3	57.8	64.3	62.5	55.5	44.3	31.0	22.8	42.62
249	4	10	18.3	23.8	31.8	42.5	50.9	56.2	62.5	60.8	54.2	43.0	29.3	22.3	41.31
250	4	10	19.0	24.4	29.6	40.4	48.9	54.1	60.2	58.5	52.4	41.3	27.1	22.7	39.90
251	4	10	19.5	24.8	28.9	39.8	48.4	53.5	59.5	57.9	51.8	40.8	26.5	23.1	39.54
252	3	10	18.3	23.9	32.7	43.2	51.5	57.0	63.3	61.5	54.7	43.6	30.0	22.4	41.86
253	4	10	18.6	24.1	30.1	40.9	49.5	54.7	60.7	59.1	52.8	41.7	27.7	22.5	40.20
254	4	10	21.9	26.6	26.9	37.8	46.6	51.6	57.3	55.8	50.2	39.3	24.5	25.1	38.63
255	4	10	20.7	25.6	27.7	38.6	47.4	52.4	58.2	56.7	50.9	39.9	25.3	24.1	38.95
256	4	10	19.3	24.6	29.2	39.9	48.6	53.7	59.6	58.0	51.9	40.9	26.6	23.0	39.61
257	4	10	18.7	24.1	29.9	40.6	49.2	54.4	60.4	58.7	52.5	41.4	27.4	22.6	40.00
258	4	10	21.8	26.5	26.9	37.8	46.7	51.6	57.3	55.8	50.1	39.2	24.5	25.0	38.61
259	4	10	21.9	26.6	26.6	37.6	46.6	51.6	57.2	55.6	50.0	39.1	24.4	25.1	38.52
260	4	10	19.2	24.5	28.8	39.9	48.6	53.7	59.6	58.0	51.9	40.9	26.6	22.9	39.54
261	4	10	22.9	27.4	25.6	37.0	46.0	50.9	56.4	54.9	49.5	38.6	23.7	26.0	38.25
262	4	10	23.4	27.8	25.3	36.7	45.8	50.7	56.1	54.6	49.2	38.4	23.4	26.4	38.16
263	4	10	21.8	26.5	26.2	37.6	46.6	51.6	57.1	55.6	50.0	39.0	24.4	25.1	38.45
264	4	10	22.0	26.6	25.9	37.5	46.5	51.5	57.0	55.4	49.8	38.9	24.2	25.3	38.38
265	4	10	19.5	24.7	27.8	39.1	48.2	53.3	59.0	57.4	51.4	40.4	26.1	23.2	39.19
266	4	10	20.4	25.4	26.9	38.5	47.4	52.5	58.0	56.5	50.7	39.7	25.2	24.0	38.78
267	4	10	24.9	28.9	24.2	35.9	45.1	49.9	55.2	53.7	48.5	37.6	22.6	27.7	37.83
268	4	10	20.8	25.7	26.4	38.1	47.2	52.2	57.7	56.1	50.4	39.4	24.9	24.4	38.60
269	4	10	21.0	25.8	26.3	37.9	47.0	52.0	57.4	55.9	50.2	39.2	24.7	24.5	38.51
270	4	10	25.8	29.6	23.6	35.4	44.7	49.5	54.6	53.2	48.0	37.2	22.1	28.5	37.70
271	4	10	26.4	30.1	23.3	35.1	44.5	49.2	54.3	52.8	47.7	36.9	21.8	29.1	37.60
272	4	10	22.7	27.1	25.2	36.8	46.1	51.0	56.2	54.7	49.2	38.4	23.6	26.0	38.08
273	4	10	24.5	28.6	24.4	35.8	45.2	50.0	55.1	53.6	48.4	37.5	22.5	27.6	37.78
274	4	10	27.3	30.7	23.0	34.7	44.1	48.4	53.8	52.4	47.4	36.6	21.4	29.9	37.51
275	4	10	25.7	29.5	23.7	35.2	44.7	49.5	54.5	53.0	47.9	37.0	22.0	28.6	37.60
276	4	10	23.0	27.4	25.0	36.5	45.9	50.7	55.9	54.3	48.9	38.1	23.3	26.3	37.94
277	4	10	19.4	24.6	27.3	38.9	48.0	53.1	58.4	56.8	50.9	39.9	25.7	23.4	38.97
278	4	10	21.5	26.2	25.9	37.3	46.6	51.6	56.7	55.2	49.6	38.7	24.1	25.1	38.19
279	4	10	17.7	23.3	29.8	41.4	50.3	55.6	61.2	59.4	52.9	41.9	28.3	22.2	40.35
280	3	10	18.6	24.0	32.8	44.1	52.9	58.5	64.3	62.4	55.3	44.1	31.2	23.3	42.64
281	3	11	23.6	28.1	36.6	47.8	56.2	62.1	68.3	66.2	58.3	46.9	34.0	28.2	46.43
282	3	11	20.5	25.5	34.6	46.0	54.5	60.2	66.2	64.2	56.7	45.5	33.0	25.2	44.35
283	3	11	22.8	27.5	36.1	47.4	55.2	61.7	67.8	65.7	57.9	45.6	34.5	27.5	45.95
284	3	11	24.5	28.8	37.0	48.3	56.6	62.5	68.7	66.6	58.6	47.2	35.3	29.1	46.94

TABLE D-16 5 KM GRID SQUARE ESTIMATED TEMPERATURE DATA (CONT'D.)
GROUP N MEAN MONTHLY AND ANNUAL TEMPERATURE (°F)

SQN	S	EN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
285	3	11	23.2	27.8	36.3	47.6	56.1	61.9	68.0	65.9	58.0	46.7	34.7	27.9	46.18
286	3	11	23.2	27.7	36.3	47.6	56.1	61.9	68.0	65.9	58.0	46.7	34.6	27.9	46.14
287	3	11	22.3	27.0	35.7	47.1	55.7	61.5	67.4	65.4	57.6	46.3	34.2	27.1	45.60
288	3	11	21.5	26.4	35.2	46.6	55.2	61.0	66.9	64.9	57.2	45.9	33.7	26.3	45.08
289	3	11	21.4	26.3	35.3	46.6	55.2	61.0	66.9	64.8	57.1	45.8	33.6	26.3	45.04
290	3	11	22.3	27.0	35.8	47.1	55.7	61.5	67.4	65.3	57.6	46.2	34.1	27.2	45.60
291	3	11	22.6	27.2	35.9	47.2	55.9	61.7	67.6	65.5	57.7	46.3	34.3	27.5	45.78
292	3	11	21.8	26.6	35.5	46.8	55.5	61.3	67.1	65.0	57.3	45.9	33.8	26.7	45.26
293	3	11	22.4	27.1	35.9	47.1	55.8	61.6	67.4	65.3	57.5	46.2	34.2	27.4	45.66
294	3	11	21.3	26.1	35.1	46.5	55.2	61.0	66.7	64.6	57.0	45.7	33.5	26.3	44.91
295	3	11	20.2	25.3	34.4	45.8	54.6	60.4	65.9	63.9	56.4	45.1	32.8	25.4	44.19
296	3	11	24.0	27.5	36.1	47.4	56.1	62.0	67.7	65.6	57.7	46.4	34.5	28.0	46.00
297	3	11	21.8	26.6	35.4	46.7	55.6	61.4	67.0	64.9	57.1	45.9	33.8	26.9	45.26
298	3	11	21.8	26.5	35.4	46.7	55.5	61.3	67.0	64.9	57.1	45.8	33.8	26.9	45.22
299	3	11	23.4	27.8	36.3	47.5	56.3	62.2	67.8	65.7	57.8	46.4	34.6	28.4	46.18
300	3	11	19.2	24.4	33.7	45.0	54.0	59.7	65.0	63.0	55.6	44.4	32.0	24.5	43.38
301	3	10	17.6	23.1	32.0	43.3	52.5	58.0	63.1	61.2	54.2	43.0	30.3	23.0	41.78
302	3	11	21.9	26.6	35.6	46.7	55.7	61.5	67.0	64.8	57.1	45.8	33.8	27.1	45.30
303	3	10	18.0	23.4	32.5	43.7	53.0	58.6	63.7	61.7	54.5	43.4	30.8	23.4	42.21
304	4	10	17.3	22.9	31.6	42.8	52.1	57.5	62.6	60.6	53.7	42.5	29.8	22.7	41.37
305	4	10	17.0	22.6	30.6	41.9	51.4	56.8	61.6	59.7	53.0	41.9	28.9	22.4	40.64
306	4	10	17.2	22.7	28.7	40.0	49.7	55.0	59.6	57.8	51.4	40.4	27.0	22.4	39.32
307	4	10	17.1	22.6	28.7	40.1	49.9	55.1	59.7	57.8	51.5	40.5	27.1	22.3	39.37
308	4	10	16.9	22.5	30.4	41.7	51.3	56.7	61.4	59.5	52.8	41.7	28.7	22.3	40.48
309	4	10	18.4	24.0	31.8	42.4	50.6	56.0	62.4	60.7	54.1	43.0	29.2	22.2	41.23
310	4	10	18.5	24.0	31.2	41.9	50.2	55.5	61.8	60.2	53.7	42.6	28.6	22.3	40.88
311	4	10	18.6	24.1	30.9	41.6	50.0	55.2	61.5	59.9	53.5	42.4	28.4	22.3	40.69
312	4	10	18.6	24.1	30.9	41.6	49.9	55.2	61.5	59.8	53.4	42.3	28.3	22.3	40.66
313	3	10	18.4	24.0	32.4	43.1	51.3	56.7	63.2	61.4	54.7	43.5	29.9	22.4	41.76
314	4	10	18.6	24.1	30.7	41.5	49.8	55.1	61.4	59.7	53.3	42.2	28.2	22.3	40.58
315	4	10	18.8	24.2	30.8	41.0	49.5	54.7	60.9	59.3	53.0	41.9	27.8	22.5	40.36
316	3	10	18.4	23.9	32.4	42.5	50.8	56.2	62.5	60.8	54.2	43.1	29.3	22.3	41.37
317	4	10	18.7	24.2	30.6	41.1	49.5	54.7	60.9	59.3	53.0	41.9	27.8	22.4	40.34
318	4	10	18.7	24.2	30.8	41.0	49.5	54.7	60.9	59.2	52.9	41.9	27.8	22.5	40.34
319	4	10	18.9	24.3	30.2	40.7	49.2	54.4	60.6	58.9	52.7	41.6	27.5	22.6	40.13
320	4	10	19.8	25.0	29.9	39.6	48.2	53.3	59.3	57.7	51.7	40.7	26.3	23.2	39.49
321	4	10	20.6	25.6	28.2	38.8	47.5	52.5	58.4	56.9	51.0	40.1	25.5	24.0	39.10
322	4	10	20.7	25.7	28.1	38.8	47.5	52.5	58.4	56.8	51.0	40.1	25.5	24.0	39.07
323	4	10	26.9	30.5	24.2	35.4	44.4	49.2	54.6	53.3	48.2	37.4	22.0	29.2	37.93
324	4	10	24.3	28.5	25.5	36.5	45.5	50.3	55.9	54.5	49.1	38.3	23.2	27.0	38.22
325	4	10	24.3	28.5	25.5	36.5	45.5	50.3	55.9	54.4	49.1	38.2	23.2	27.0	38.19
326	4	10	27.3	30.9	23.8	35.1	44.2	49.0	54.4	53.0	48.0	37.2	21.8	29.6	37.86
327	4	10	22.9	27.3	26.2	37.2	46.1	51.0	56.6	55.2	49.7	38.8	23.9	25.9	38.40
328	4	10	21.3	26.1	27.3	38.2	47.0	52.0	57.7	56.7	50.5	39.6	24.9	24.5	38.77
329	4	10	23.2	27.6	25.9	37.0	45.9	50.8	56.4	54.9	49.5	38.6	23.7	26.2	38.30
330	4	10	25.2	29.2	25.0	36.0	45.0	49.8	55.3	53.9	48.6	37.8	22.6	27.9	38.02
331	4	10	28.1	31.4	23.4	34.7	43.9	48.6	53.9	52.5	47.6	36.8	21.4	30.3	37.73
332	4	10	24.7	28.8	25.0	36.1	45.2	50.0	55.5	54.0	48.8	37.9	22.8	27.5	38.03
333	4	10	24.2	28.4	25.1	36.3	45.4	50.3	55.7	54.2	48.9	38.1	23.0	27.1	38.06
334	4	10	25.5	29.4	24.4	35.7	44.9	49.7	55.0	53.6	48.4	37.6	22.4	28.2	37.90
335	4	10	22.1	26.7	26.1	37.4	46.5	51.4	56.9	55.4	49.8	38.9	24.2	25.4	38.38
336	4	10	21.2	26.0	26.8	38.0	47.0	52.0	57.5	56.0	50.3	39.4	24.8	24.6	38.52
337	4	10	20.1	25.1	27.3	38.8	47.7	52.8	58.4	56.8	50.9	39.9	25.5	23.7	38.92
338	4	10	19.5	24.7	27.9	39.3	48.2	53.3	59.0	57.4	51.4	40.4	26.1	23.2	39.20
339	4	10	19.0	24.3	28.2	39.7	48.6	53.7	59.4	57.8	51.7	40.7	26.5	22.9	39.39
340	4	10	22.0	25.6	25.6	37.3	46.5	51.4	56.8	55.3	49.7	39.8	24.1	25.4	38.28
341	4	10	24.0	28.2	24.6	36.2	45.5	50.3	55.6	54.1	48.7	37.9	22.9	27.0	37.91
342	4	10	18.9	24.2	28.1	39.8	48.7	53.8	59.5	57.8	51.7	40.7	26.6	22.9	39.40
343	4	10	18.7	24.0	28.4	40.0	48.9	54.0	59.6	58.0	51.8	40.8	26.8	22.8	39.49
344	4	10	24.8	28.8	24.0	35.8	45.1	49.9	55.1	53.6	48.4	37.5	22.5	27.7	37.75
345	4	10	24.0	28.1	24.3	36.1	45.4	50.3	55.4	53.9	48.6	37.8	22.9	27.1	37.82
346	4	10	19.3	24.5	27.7	39.2	48.2	53.4	58.8	57.2	51.2	40.2	26.0	23.2	39.07
347	4	10	21.8	26.5	25.6	37.2	46.5	51.4	56.6	55.0	49.5	38.6	24.0	25.4	38.16
348	4	10	26.6	30.2	23.2	34.9	44.4	49.1	54.1	52.6	47.5	36.8	21.6	29.3	37.52
349	4	10	23.1	27.5	24.8	36.4	45.8	50.6	55.7	54.2	48.8	37.9	23.2	26.5	37.87
350	4	10	21.6	26.3	25.6	37.2	46.5	51.5	56.7	55.1	49.5	38.6	24.0	25.2	38.16
351	4	10	18.8	24.1	27.9	39.5	48.6	53.7	59.1	57.4	51.3	40.3	26.3	23.0	39.16
352	4	10	18.6	23.9	28.2	39.7	48.8	53.9	59.3	57.6	51.5	40.5	26.5	22.8	39.29
353	3	10	18.5	23.9	32.7	44.1	52.9	58.4	64.2	62.3	55.2	44.0	31.1	23.2	42.54
354	4	10	17.7	23.3	30.9	42.4	51.3	56.7	62.3	60.5	53.8	42.6	29.3	22.3	41.09
355	4	10	17.6	23.2	30.0	41.7	50.7	56.0	61.5	59.7	53.1	42.0	28.6	22.2	40.53

TABLE D-16 5 KM GRID SQUARE ESTIMATED TEMPERATURE DATA (CONT'D.)
GROUP N MEAN MONTHLY AND ANNUAL TEMPERATURE (°F)

SQN	S	EN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
356	3	10	19.0	24.3	33.3	44.8	53.5	59.1	64.9	62.9	55.7	44.5	31.7	23.8	43.12
357	3	10	18.7	24.1	32.9	44.4	53.2	58.8	64.5	62.6	55.4	44.2	31.4	23.6	42.82
358	4	10	18.7	24.0	27.4	39.2	48.5	53.6	58.8	57.1	51.1	40.1	26.1	23.0	38.98
359	4	13	18.5	23.8	27.6	39.4	48.7	53.8	59.0	57.3	51.2	40.2	26.3	22.9	39.04
360	3	10	18.8	24.1	33.1	44.5	53.3	58.9	64.6	62.7	55.4	44.2	31.6	23.7	42.90
361	3	10	18.3	23.7	32.5	44.0	52.9	58.5	64.0	62.1	55.0	43.8	31.0	23.3	42.43
362	4	10	18.2	23.6	27.8	39.6	48.9	54.1	59.2	57.5	51.3	40.3	26.5	22.7	39.15
363	4	10	19.4	24.5	26.4	38.2	47.7	52.8	57.7	56.0	50.1	39.2	25.1	23.7	38.40
364	4	10	17.5	23.0	31.0	42.5	51.6	57.0	62.4	60.5	53.7	42.6	29.5	22.4	41.14
365	3	10	18.2	23.7	32.5	43.9	52.9	58.5	63.9	62.0	54.9	43.7	31.0	23.3	42.37
366	4	10	19.4	24.4	26.5	38.2	47.7	52.8	57.6	55.9	50.0	39.1	25.0	23.7	38.36
367	4	10	17.3	22.9	29.2	40.8	50.2	55.5	60.5	58.7	52.2	41.2	27.8	22.3	39.87
368	3	11	19.8	24.9	34.0	45.4	54.3	60.0	65.6	63.5	56.1	44.8	32.5	24.9	43.84
369	3	11	20.8	25.8	34.8	46.1	55.0	60.8	66.3	64.3	56.7	45.4	33.2	26.0	44.60
370	3	11	20.0	25.1	34.1	45.6	54.6	60.3	65.8	63.7	56.2	44.9	32.7	25.2	44.03
371	3	11	21.9	26.6	35.5	46.8	55.7	61.5	67.0	64.9	57.2	45.3	33.9	27.1	45.33
372	3	11	21.5	26.3	35.2	46.6	55.5	61.3	66.8	64.7	57.0	45.7	33.7	26.7	45.06
373	3	11	21.1	26.0	35.0	46.3	55.3	61.1	66.5	64.4	56.7	45.4	33.4	26.4	44.80
374	3	11	21.6	26.3	35.4	46.6	55.5	61.3	66.8	64.7	56.9	45.6	33.7	26.8	45.10
375	3	11	22.7	27.2	36.1	47.1	56.1	61.9	67.4	65.2	57.4	46.0	34.3	27.9	45.78
376	3	11	20.3	25.3	34.7	45.8	54.9	60.6	65.9	63.8	56.3	45.0	32.9	25.7	44.26
377	3	10	17.6	23.1	32.1	43.2	52.6	58.1	63.1	61.1	54.1	42.9	30.3	23.0	41.77
378	3	11	23.2	27.6	36.3	47.3	56.3	62.2	67.6	65.4	57.5	46.2	34.5	28.4	46.05
379	3	11	20.4	25.4	34.9	45.8	55.0	60.8	66.3	63.8	56.2	44.9	33.0	25.9	44.34
380	3	10	17.7	23.1	32.3	43.4	52.8	58.4	63.3	61.3	54.2	43.0	30.5	23.2	41.93
381	3	11	19.5	24.6	34.1	45.2	54.5	60.2	65.2	63.1	55.6	44.4	32.3	25.1	43.64
382	3	10	19.1	24.3	33.7	44.8	54.2	59.8	64.8	62.8	55.4	44.1	32.0	24.7	43.30
383	3	10	17.8	23.2	32.4	43.6	53.1	58.7	63.5	61.4	54.3	43.1	30.7	23.4	42.08
384	3	10	18.4	23.7	33.1	44.3	53.7	59.4	64.2	62.1	54.9	43.7	31.4	24.1	42.75
385	3	10	18.1	23.4	32.7	43.9	53.5	59.1	63.9	61.8	54.6	43.4	31.1	23.8	42.43
386	4	10	16.7	22.2	30.0	41.3	51.1	56.5	61.0	59.0	52.4	41.3	28.4	22.3	40.19
387	4	10	16.6	22.2	30.3	41.5	51.3	56.7	61.1	59.2	52.5	41.4	28.6	22.4	40.32
388	3	10	18.4	23.7	33.3	44.3	53.8	59.5	64.2	62.1	54.8	43.6	31.4	24.3	42.78
389	3	10	18.9	24.1	34.0	44.7	54.3	60.0	64.7	62.5	55.1	43.9	31.9	24.8	43.25
390	4	10	16.5	22.1	30.4	41.4	51.3	56.7	61.0	59.0	52.3	41.2	28.5	22.3	40.23
391	3	11	20.6	25.4	35.2	45.8	55.3	61.1	66.8	63.6	56.0	44.7	33.0	26.5	44.47
392	3	10	17.5	22.9	32.6	43.3	53.1	58.7	63.1	61.1	53.9	42.8	30.5	23.5	41.92
393	4	10	19.6	24.9	29.2	40.0	48.5	53.6	58.7	58.2	52.1	41.1	26.7	23.1	39.71
394	4	10	19.3	24.6	29.5	40.3	48.8	53.9	60.1	58.5	52.4	41.4	27.1	22.8	39.90
395	4	10	18.6	24.1	30.8	41.4	49.8	55.0	61.3	59.7	53.3	42.2	28.2	22.4	40.56
396	4	10	19.3	24.7	29.5	40.3	48.7	53.9	60.0	58.5	52.3	41.3	27.0	22.9	39.86
397	4	10	19.1	24.5	29.6	40.5	48.9	54.1	60.3	58.7	52.5	41.5	27.2	22.7	39.97
398	4	10	18.5	24.0	31.1	41.9	50.2	55.5	61.9	60.1	53.7	42.6	28.6	22.3	40.84
399	4	10	18.6	24.1	31.0	41.3	49.7	55.0	61.2	59.5	53.2	42.1	28.1	22.4	40.51
400	4	10	19.1	24.5	30.3	40.5	49.0	54.1	60.3	58.7	52.5	41.5	27.2	22.7	40.02
401	4	10	24.5	28.6	25.4	36.4	45.4	50.2	55.8	54.3	49.0	38.2	23.1	27.2	38.16
402	4	10	19.0	24.3	29.5	40.4	49.0	54.1	60.1	58.5	52.3	41.3	27.1	22.7	39.86
403	4	10	19.7	24.9	28.5	39.4	48.1	53.2	59.1	57.5	51.5	40.5	26.1	23.3	39.33
404	4	10	23.3	27.7	26.0	36.9	45.9	50.8	56.4	54.9	49.4	39.6	23.6	26.3	38.31
405	4	10	23.0	27.4	26.1	37.1	46.0	50.9	56.5	55.0	49.5	38.7	23.8	26.0	38.34
406	4	10	19.1	24.4	29.2	40.0	48.7	53.9	59.8	58.1	52.0	41.0	26.8	22.9	39.66
407	4	10	18.3	23.8	30.5	41.3	49.9	55.1	61.1	59.4	53.0	42.0	28.1	22.1	40.40
408	4	10	22.8	27.3	26.2	37.1	46.1	51.0	56.5	55.0	49.6	38.7	23.8	25.9	38.34
409	4	10	19.0	24.2	27.9	39.3	48.4	53.6	58.9	57.3	51.2	40.3	26.2	23.1	39.12
410	4	10	18.6	23.9	28.5	39.8	48.8	54.0	59.4	57.8	51.6	40.6	26.6	22.8	39.38
411	4	10	18.8	24.1	28.0	39.5	48.5	53.7	59.1	57.4	51.3	40.3	26.3	23.0	39.16
412	4	10	18.8	24.1	27.9	39.4	48.5	53.7	59.0	57.4	51.3	40.3	26.3	23.0	39.14
413	4	10	17.7	23.3	29.6	41.2	50.2	55.5	61.0	59.2	52.8	41.7	28.1	22.3	40.22
414	4	10	17.9	23.4	29.2	40.8	49.8	55.1	60.5	58.7	52.4	41.3	27.6	22.3	39.92
415	4	10	17.7	23.2	29.4	41.0	50.1	55.4	60.8	59.0	52.6	41.5	27.9	22.3	40.09
416	4	10	17.7	23.2	29.5	41.2	50.2	55.5	61.0	59.2	52.7	41.6	28.1	22.3	40.18
417	4	10	20.0	25.0	26.2	38.1	47.4	52.5	57.5	55.9	50.1	39.1	24.9	24.0	38.39
418	4	10	18.6	23.9	27.6	39.4	48.6	53.8	59.0	57.3	51.2	40.2	26.3	22.9	39.05
419	4	10	20.5	25.3	25.8	37.6	47.1	52.1	57.0	55.4	49.7	38.8	24.5	24.5	38.18
420	4	10	20.8	25.6	25.5	37.4	46.9	51.8	56.8	55.1	49.5	38.6	24.2	24.7	38.08
421	4	10	19.7	24.7	26.2	38.1	47.6	52.6	57.5	55.9	50.1	39.1	25.0	23.9	38.36
422	4	10	19.6	24.7	26.3	38.1	47.6	52.6	57.6	55.9	50.1	39.1	25.0	23.9	38.38
423	4	10	19.1	24.3	26.7	38.5	48.0	53.0	57.9	56.3	50.3	39.4	25.4	23.5	38.53
424	4	10	19.7	24.7	26.2	38.0	47.5	52.5	57.4	55.7	49.9	39.0	24.9	24.0	38.26
425	4	10	20.1	25.0	25.7	37.6	47.2	52.2	56.9	55.3	49.6	38.5	24.6	24.4	38.08
426	4	10	18.8	24.0	26.9	38.6	48.2	53.3	58.1	56.4	50.5	39.5	25.5	23.3	38.60

TABLE D-16 5 KM GRID SQUARE ESTIMATED TEMPERATURE DATA (CONT'D.)
GROUP N MEAN MONTHLY AND ANNUAL TEMPERATURE (°F)

SQN	S	EN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
427	4	10	18.8	24.0	26.7	38.3	48.1	53.2	58.0	56.3	50.3	39.4	25.4	23.4	38.52
428	4	10	19.2	24.3	26.4	38.2	47.8	52.9	57.6	55.9	50.1	39.1	25.1	23.6	38.35
429	4	10	17.6	23.1	31.7	43.1	52.3	57.8	63.0	61.1	54.1	43.0	30.2	22.9	41.66
430	4	10	17.4	22.9	31.0	42.6	51.8	57.3	62.4	60.5	53.7	42.5	29.6	22.5	41.18
431	3	10	18.1	23.5	32.4	43.9	53.0	58.6	63.8	61.9	54.7	43.5	30.9	23.4	42.32
432	3	11	19.5	24.7	33.8	45.2	54.3	59.9	65.3	63.3	55.9	44.6	32.3	24.8	43.64
433	3	10	18.5	23.8	32.8	44.3	53.5	59.1	64.3	62.3	55.0	43.8	31.3	23.8	42.71
434	4	10	17.1	22.7	29.2	40.9	50.4	55.7	60.6	58.7	52.2	41.2	27.9	22.2	39.90
435	4	10	17.3	22.7	28.5	40.1	49.7	55.0	59.7	57.9	51.5	40.5	27.1	22.4	39.37
436	3	10	18.4	23.8	33.0	44.3	53.5	59.1	64.2	62.2	55.0	43.8	31.3	23.9	42.70
437	3	10	18.5	23.8	33.2	44.4	53.6	59.3	64.3	62.3	55.0	43.8	31.5	24.0	42.82
438	4	10	18.5	23.7	26.7	38.2	48.1	53.2	57.6	55.8	49.9	39.0	25.2	23.4	38.28
439	4	10	17.2	22.7	31.4	42.6	52.1	57.5	62.4	60.4	53.5	42.4	29.6	22.7	41.21
440	3	11	22.0	26.7	35.7	46.7	55.8	61.7	66.9	64.8	57.0	45.7	33.9	27.5	45.37
441	3	11	21.8	26.5	35.7	46.6	55.8	61.6	66.8	64.6	56.9	45.5	33.8	27.3	45.25
442	3	11	21.9	26.6	35.6	46.7	55.8	61.6	66.8	64.7	56.9	45.6	33.8	27.4	45.28
443	3	11	22.2	26.7	35.7	46.8	56.0	61.8	66.9	64.7	56.9	45.6	33.9	27.7	45.42
444	3	11	20.0	25.0	34.4	45.5	54.8	60.5	65.5	63.4	55.9	44.6	32.6	25.6	43.98
445	3	10	18.3	23.6	33.1	44.2	53.7	59.3	64.1	62.0	54.7	43.5	31.3	24.1	42.67
446	3	11	21.6	26.3	35.6	46.4	55.7	61.5	66.6	64.4	56.6	45.4	33.6	27.2	45.17
447	3	11	21.8	26.4	35.5	46.5	55.9	61.7	66.6	64.4	56.6	45.3	33.7	27.5	45.15
448	3	10	18.3	23.6	33.2	44.1	53.7	59.4	64.0	62.0	54.7	43.5	31.3	24.1	42.65
449	4	10	20.9	25.7	26.2	37.7	47.0	52.0	57.2	55.6	49.9	39.0	24.5	24.6	38.36
450	4	10	25.1	29.0	23.9	35.5	44.9	49.7	54.7	53.2	48.0	37.2	22.2	28.1	37.62
451	4	10	21.9	26.5	25.5	37.0	46.4	51.3	56.4	54.8	49.3	38.4	23.8	25.5	38.06
452	4	10	19.5	24.6	27.2	38.7	47.9	53.0	58.3	56.6	50.7	39.8	25.6	23.5	38.78
453	4	10	19.1	24.3	27.4	39.0	48.2	53.3	58.5	56.9	50.9	39.9	25.8	23.3	38.89
454	4	10	21.2	25.9	25.8	37.4	46.8	51.7	56.8	55.2	49.5	38.7	24.2	24.9	38.17
455	4	10	20.9	25.7	25.6	37.4	46.8	51.8	56.8	55.2	49.6	38.7	24.3	24.8	38.15
456	4	10	18.0	23.5	28.7	40.3	49.4	54.6	59.9	58.2	51.9	40.9	27.1	22.5	39.52
457	4	10	18.4	23.7	27.9	39.6	48.8	54.0	59.2	57.5	51.4	40.4	26.5	22.8	39.18
458	4	10	22.1	26.6	24.8	36.7	46.2	51.1	56.0	54.4	48.9	38.1	23.5	25.8	37.94
459	4	10	21.9	26.4	24.8	36.7	46.3	51.2	56.0	54.4	48.9	38.1	23.5	25.6	37.83
460	4	10	19.6	24.6	26.4	38.3	47.7	52.7	57.7	56.1	50.2	39.3	25.1	23.8	38.46
461	4	10	20.2	25.1	25.9	37.7	47.2	52.2	57.1	55.5	49.7	38.8	24.6	24.3	38.20
462	4	10	24.3	28.3	23.3	35.4	45.1	49.9	54.5	53.0	47.8	37.0	22.2	27.7	37.40
463	4	10	24.0	28.0	23.4	35.5	45.2	50.0	54.6	53.1	47.8	37.0	22.3	27.5	37.38
464	4	10	19.5	24.5	26.3	38.2	47.7	52.7	57.6	55.9	50.1	39.2	25.0	23.8	38.39
465	4	10	18.5	23.8	27.2	39.0	48.5	53.6	58.5	56.8	50.8	39.8	25.9	23.0	38.78
466	4	10	19.7	24.7	26.0	37.9	47.5	52.5	57.3	55.5	49.6	38.9	24.8	24.0	38.23
467	4	10	17.9	23.3	27.8	39.6	49.0	54.2	59.1	57.4	51.2	40.2	26.5	22.7	39.07
468	4	10	17.9	23.3	28.0	39.6	49.1	54.3	59.2	57.4	51.2	40.2	26.5	22.6	39.12
469	4	10	17.5	23.0	31.2	42.8	52.0	57.5	62.7	60.8	53.9	42.7	29.8	22.6	41.37
470	3	10	18.2	23.6	32.6	44.0	53.1	58.7	64.0	62.0	54.9	43.7	31.0	23.4	42.43
471	3	10	18.9	24.2	33.3	44.7	53.8	59.4	64.8	62.8	55.4	44.2	31.8	24.2	43.14
472	3	10	18.7	24.0	33.0	44.5	53.6	59.3	64.6	62.5	55.3	44.1	31.6	24.0	42.94
473	4	10	17.1	22.6	30.1	41.7	51.1	56.5	61.4	59.5	52.9	41.8	28.7	22.3	40.46
474	4	10	17.3	22.9	31.1	42.7	52.0	57.5	62.5	60.6	53.7	42.5	29.7	22.6	41.25
475	4	10	17.1	22.6	29.2	40.8	50.3	55.6	60.4	58.5	52.1	41.0	27.8	22.3	39.80
476	4	10	17.9	23.2	27.4	39.1	48.8	53.9	58.5	56.8	50.7	39.7	26.0	22.8	38.73
477	4	10	20.9	25.6	24.8	36.5	46.5	51.4	55.7	54.0	48.4	37.6	23.4	25.3	37.50
478	4	10	17.8	23.2	27.5	39.0	48.8	53.9	58.5	56.7	50.6	39.6	26.0	22.8	38.69
479	4	10	17.0	22.5	28.9	40.3	50.0	55.3	59.9	58.0	51.6	40.6	27.3	22.3	39.48
480	4	10	18.9	24.0	26.2	37.7	47.7	52.8	57.1	55.3	49.5	38.6	24.7	23.7	38.02
481	4	10	23.0	27.3	24.8	36.3	45.8	50.7	55.6	54.1	48.7	37.8	23.1	26.4	37.81
482	4	10	24.0	28.1	24.2	35.8	45.3	50.2	55.1	53.6	48.3	37.4	22.6	27.3	37.66
483	4	10	28.5	31.7	22.0	33.9	43.6	48.3	52.9	51.5	46.6	35.9	20.6	31.2	37.22
484	4	10	24.8	28.8	23.4	35.4	45.0	49.8	54.6	53.1	47.9	37.0	22.1	28.0	37.48
485	4	10	27.0	30.4	22.3	34.4	44.1	48.8	53.5	52.0	47.0	36.3	21.1	29.9	37.25
486	3	10	30.3	33.0	21.1	33.2	43.0	47.7	52.2	50.8	46.0	35.3	19.9	32.7	37.10
487	4	10	29.0	32.0	21.5	33.6	43.4	48.1	52.6	51.1	46.3	35.6	20.3	31.6	37.10
488	4	10	25.2	29.0	23.0	35.1	44.8	49.6	54.2	52.7	47.6	36.8	21.9	28.4	37.35
489	4	10	25.2	29.0	23.0	35.0	44.8	49.5	54.1	52.6	47.5	36.7	21.8	28.5	37.30
490	4	10	27.4	30.7	22.0	34.1	43.9	48.6	53.1	51.7	46.7	36.0	20.9	30.3	37.12
491	4	10	26.2	29.8	22.5	34.5	44.4	49.1	53.6	52.1	47.0	36.3	21.3	29.3	37.16
492	4	10	26.4	30.0	22.3	34.4	44.3	49.0	53.5	52.0	46.9	36.2	21.2	29.6	37.14
493	4	10	27.9	31.1	22.0	34.1	43.8	48.5	53.1	51.7	46.7	36.0	20.8	30.6	37.20
494	4	10	20.0	25.0	26.2	38.0	47.4	52.4	57.5	55.8	50.1	39.1	24.9	24.1	38.37
495	4	10	21.1	25.8	25.3	37.2	46.7	51.6	56.5	54.9	49.3	38.4	24.0	25.0	38.00
496	4	10	28.5	31.6	21.7	33.7	43.6	48.2	52.8	51.3	46.5	35.7	20.5	31.2	37.12
497	4	10	27.6	30.9	21.9	34.0	43.9	48.6	53.1	51.6	46.7	35.9	20.8	30.5	37.12
498	4	10	22.3	26.8	24.4	36.4	46.0	50.9	55.6	54.1	48.6	37.8	23.2	26.1	37.68
499	4	10	24.5	28.4	23.3	35.2	45.0	49.8	54.4	52.8	47.6	36.8	22.0	27.9	37.33
500	4	10	26.2	29.8	22.4	34.5	44.3	49.1	53.6	52.0	47.0	36.2	21.3	29.4	37.15

TABLE D-17 5 KM GRID SQUARE ESTIMATED PRECIPITATION DATA
GROUP N MEAN MONTHLY AND ANNUAL PRECIPITATION (IN)

SQN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	WPREC	APREC
1	2.55	2.16	1.91	1.44	1.78	2.08	1.33	1.65	1.69	1.97	2.25	3.34	11.69	23.64
2	2.78	2.38	2.19	1.68	1.94	2.28	1.49	1.79	1.84	2.13	2.47	3.62	12.85	26.00
3	2.47	2.09	1.86	1.42	1.80	2.12	1.35	1.61	1.62	1.90	2.19	3.12	11.34	23.15
4	2.23	1.96	1.59	1.20	1.68	1.90	1.22	1.46	1.47	1.73	1.96	2.65	10.10	20.86
5	2.24	1.87	1.59	1.18	1.64	1.94	1.22	1.47	1.47	1.74	1.98	2.75	10.16	20.83
6	2.38	2.01	1.77	1.34	1.76	2.09	1.32	1.56	1.56	1.84	2.11	2.93	10.89	22.76
7	2.51	2.13	1.91	1.46	1.85	2.19	1.41	1.65	1.65	1.93	2.23	3.06	11.54	23.67
8	2.45	2.06	1.82	1.37	1.78	2.10	1.35	1.61	1.61	1.89	2.16	2.99	11.19	22.90
9	2.74	2.33	2.14	1.62	1.95	2.30	1.53	1.80	1.81	2.10	2.42	3.35	12.62	25.72
10	2.75	2.35	2.17	1.66	1.98	2.35	1.55	1.80	1.80	2.10	2.44	3.34	12.69	25.93
11	3.01	2.59	2.45	1.80	2.12	2.51	1.71	1.96	1.97	2.29	2.67	3.67	13.96	28.41
12	2.98	2.56	2.40	1.84	2.08	2.45	1.67	1.95	1.96	2.27	2.64	3.65	13.80	28.09
13	2.95	2.55	2.40	1.88	2.04	2.39	1.57	1.85	1.95	2.26	2.64	3.98	13.78	27.76
14	3.10	2.70	2.59	2.05	2.14	2.51	1.67	1.98	2.04	2.36	2.79	4.16	14.55	29.30
15	2.97	2.57	2.44	1.93	2.09	2.46	1.62	1.90	1.95	2.27	2.67	3.92	13.89	28.11
16	3.10	2.68	2.55	2.00	2.11	2.47	1.66	1.98	2.04	2.36	2.77	4.13	14.46	29.09
17	3.10	2.68	2.55	2.00	2.13	2.49	1.68	1.98	2.04	2.35	2.76	4.05	14.45	29.11
18	3.13	2.72	2.61	2.06	2.17	2.55	1.72	2.00	2.05	2.37	2.80	4.07	14.63	29.55
19	2.72	2.34	2.18	1.71	2.00	2.36	1.53	1.76	1.77	2.08	2.44	3.44	12.66	25.98
20	2.76	2.37	2.20	1.71	1.99	2.34	1.52	1.79	1.81	2.11	2.44	3.51	12.80	26.06
21	2.33	1.97	1.74	1.33	1.78	2.10	1.32	1.53	1.52	1.80	2.08	2.84	10.68	22.06
22	2.32	1.97	1.76	1.37	1.81	2.15	1.34	1.53	1.50	1.79	2.09	2.82	10.59	22.18
23	2.62	2.24	2.07	1.62	1.98	2.35	1.51	1.71	1.70	2.00	2.34	3.19	12.12	24.98
24	2.43	2.06	1.85	1.42	1.85	2.19	1.39	1.60	1.58	1.87	2.17	2.93	11.18	23.08
25	2.69	2.30	2.13	1.65	1.99	2.36	1.55	1.76	1.75	2.05	2.40	3.25	12.43	25.55
26	2.64	2.25	2.09	1.64	2.00	2.38	1.54	1.73	1.71	2.01	2.36	3.17	12.20	25.20
27	3.20	2.78	2.69	2.12	2.27	2.69	1.85	2.08	2.08	2.41	2.85	3.92	14.94	30.46
28	3.17	2.75	2.64	2.07	2.23	2.63	1.82	2.06	2.07	2.39	2.82	3.89	14.78	30.05
29	3.07	2.68	2.56	2.09	2.16	2.54	1.64	1.89	1.95	2.31	2.82	4.24	14.51	29.09
30	3.44	3.03	2.95	2.42	2.34	2.74	1.84	2.09	2.18	2.56	3.16	4.69	17.26	32.40
31	3.33	2.93	2.85	2.33	2.30	2.70	1.80	2.06	2.13	2.50	3.05	4.52	15.81	31.64
32	3.12	2.73	2.63	2.14	2.19	2.57	1.68	1.94	2.01	2.36	2.86	4.28	14.76	29.66
33	2.91	2.53	2.40	1.94	2.09	2.46	1.58	1.83	1.88	2.21	2.65	3.95	13.67	27.65
34	3.41	3.00	2.95	2.40	2.34	2.74	1.86	2.12	2.20	2.56	3.11	4.60	17.12	32.99
35	3.38	2.97	2.91	2.36	2.33	2.73	1.85	2.12	2.19	2.55	3.07	4.51	15.98	32.10
36	3.13	2.73	2.64	2.11	2.19	2.57	1.70	1.98	2.04	2.38	2.83	4.21	14.73	29.69
37	3.14	2.74	2.65	2.12	2.20	2.58	1.72	1.99	2.05	2.39	2.84	4.18	14.79	29.84
38	2.96	2.57	2.47	1.99	2.15	2.53	1.65	1.87	1.91	2.24	2.69	3.88	13.91	28.25
39	2.35	2.01	1.82	1.46	1.86	2.21	1.35	1.51	1.50	1.81	2.15	2.98	10.94	22.65
40	2.79	2.41	2.27	1.80	2.04	2.41	1.55	1.79	1.81	2.13	2.52	3.44	13.03	26.55
41	2.59	2.22	2.05	1.63	1.96	2.31	1.46	1.67	1.67	1.98	2.34	3.29	12.03	24.71
42	2.06	1.74	1.51	1.20	1.70	2.03	1.21	1.34	1.31	1.60	1.88	2.52	9.50	19.89
43	2.23	1.89	1.69	1.35	1.81	2.16	1.32	1.45	1.42	1.71	2.02	2.70	10.29	21.51
44	2.21	1.87	1.66	1.30	1.77	2.11	1.29	1.45	1.42	1.71	2.00	2.70	10.20	21.25
45	2.17	1.83	1.61	1.26	1.76	2.10	1.29	1.43	1.39	1.67	1.96	2.59	9.97	20.86
46	2.61	2.25	2.10	1.68	2.03	2.41	1.54	1.70	1.67	1.99	2.35	3.20	12.17	25.20
47	2.47	2.11	1.95	1.56	1.97	2.35	1.48	1.61	1.58	1.88	2.23	2.96	11.44	23.87
48	2.59	2.22	2.06	1.63	2.00	2.38	1.52	1.69	1.67	1.98	2.33	3.14	12.02	24.88
49	2.52	2.15	1.99	1.57	1.97	2.35	1.50	1.65	1.62	1.92	2.26	2.99	11.64	24.23
50	2.28	1.93	1.75	1.39	1.88	2.25	1.40	1.51	1.45	1.75	2.06	2.65	10.51	22.15
51	2.40	2.04	1.88	1.50	1.96	2.35	1.48	1.59	1.53	1.83	2.16	2.78	11.07	23.29
52	2.78	2.39	2.27	1.80	2.12	2.52	1.66	1.82	1.79	2.11	2.49	3.33	12.93	26.75
53	2.91	2.51	2.41	1.91	2.19	2.61	1.75	1.91	1.88	2.20	2.60	3.48	13.55	27.99
54	2.71	2.33	2.21	1.77	2.13	2.54	1.66	1.78	1.73	2.05	2.43	3.20	12.58	26.25
55	2.84	2.45	2.35	1.88	2.20	2.63	1.75	1.87	1.82	2.14	2.54	3.35	13.20	27.48
56	2.66	2.28	2.14	1.70	2.08	2.50	1.64	1.76	1.71	2.02	2.38	3.10	12.31	25.71
57	1.83	1.51	1.13	1.02	1.50	1.82	0.93	0.98	0.99	1.34	1.78	2.27	7.09	15.80
58	1.46	1.16	0.72	0.69	1.18	1.46	0.75	0.73	0.71	1.06	1.47	1.64	4.21	12.97
59	1.76	1.44	1.06	0.97	1.48	1.80	0.93	0.94	0.93	1.29	1.73	2.09	6.82	16.21
60	1.41	1.31	0.93	0.84	1.35	1.64	0.85	0.88	0.87	1.23	1.58	1.98	6.24	14.79
61	2.10	1.77	1.48	1.27	1.71	2.05	1.12	1.21	1.22	1.56	2.01	2.69	9.82	19.96
62	1.86	1.54	1.20	1.06	1.57	1.90	1.00	1.03	1.02	1.37	1.81	2.25	8.63	17.59
63	1.76	1.45	1.11	0.98	1.50	1.82	0.97	0.99	0.97	1.31	1.70	2.12	8.12	16.65
64	2.43	2.08	1.85	1.56	1.91	2.27	1.31	1.43	1.45	1.81	2.29	3.16	11.42	23.15
65	2.67	2.31	2.13	1.77	2.04	2.41	1.46	1.61	1.64	2.00	2.49	3.50	12.59	25.51
66	2.14	1.81	1.54	1.32	1.77	2.12	1.19	1.26	1.25	1.60	2.03	2.68	9.99	20.49
67	1.92	1.61	1.34	1.14	1.64	1.97	1.09	1.16	1.13	1.46	1.83	2.38	8.93	18.53
68	2.52	2.17	1.99	1.65	1.97	2.33	1.40	1.54	1.56	1.91	2.35	3.30	11.86	24.22
69	3.01	2.63	2.52	2.07	2.20	2.60	1.67	1.87	1.91	2.27	2.77	3.97	14.23	28.81
70	2.08	1.76	1.53	1.28	1.75	2.10	1.20	1.29	1.26	1.59	1.95	2.59	9.69	20.14
71	1.76	1.46	1.20	1.00	1.55	1.86	1.05	1.11	1.06	1.36	1.66	2.12	8.11	17.11

TABLE D-17 5 KM GRID SQUARE ESTIMATED PRECIPITATION DATA (CONT'D.)
GROUP N MEAN MONTHLY AND ANNUAL PRECIPITATION (IN)

SQN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	WPREC	APREC
72	2.74	2.38	2.25	1.83	2.08	2.46	1.54	1.72	1.75	2.09	2.52	3.57	12.91	26.77
73	2.43	2.08	1.91	1.55	1.93	2.28	1.39	1.54	1.53	1.85	2.23	3.09	11.34	23.42
74	1.74	1.45	1.19	0.99	1.54	1.86	1.06	1.11	1.06	1.36	1.64	2.08	8.03	17.01
75	1.68	1.39	1.13	0.93	1.50	1.81	1.04	1.08	1.02	1.31	1.59	1.97	7.71	16.39
76	1.97	1.66	1.43	1.16	1.67	2.00	1.17	1.27	1.23	1.53	1.82	2.41	9.11	19.14
77	1.97	1.66	1.43	1.15	1.68	2.01	1.19	1.29	1.23	1.53	1.82	2.37	9.09	19.16
78	1.70	1.41	1.15	0.94	1.52	1.83	1.06	1.11	1.03	1.32	1.58	1.96	7.77	16.58
79	1.60	1.32	1.05	0.86	1.45	1.76	1.03	1.06	0.97	1.26	1.49	1.79	6.12	15.55
80	2.22	1.89	1.69	1.36	1.83	2.19	1.33	1.44	1.40	1.70	2.03	2.68	10.28	21.54
81	2.12	1.80	1.60	1.28	1.79	2.15	1.30	1.39	1.33	1.63	1.94	2.51	9.81	20.70
82	1.53	1.25	0.98	0.80	1.40	1.71	1.01	1.02	0.92	1.20	1.42	1.65	5.83	14.87
83	1.58	1.30	1.04	0.85	1.46	1.79	1.06	1.06	0.96	1.24	1.47	1.69	6.04	15.51
84	2.04	1.71	1.51	1.21	1.76	2.11	1.28	1.35	1.27	1.57	1.86	2.34	9.37	19.92
85	1.98	1.66	1.45	1.17	1.73	2.09	1.27	1.32	1.23	1.53	1.80	2.22	9.07	19.41
86	1.72	1.42	1.19	0.97	1.58	1.93	1.15	1.16	1.05	1.34	1.58	1.86	7.93	17.01
87	1.97	1.65	1.46	1.19	1.77	2.15	1.30	1.32	1.22	1.52	1.80	2.19	9.05	19.52
88	2.03	1.70	1.50	1.21	1.78	2.15	1.31	1.36	1.27	1.56	1.84	2.27	9.30	19.92
89	2.32	1.97	1.82	1.47	1.96	2.36	1.48	1.54	1.46	1.77	2.10	2.66	10.72	22.75
90	2.27	1.93	1.78	1.45	1.96	2.37	1.48	1.51	1.42	1.73	2.06	2.59	10.50	22.43
91	2.46	2.10	1.98	1.61	2.07	2.50	1.59	1.63	1.55	1.86	2.22	2.84	11.38	24.20
92	2.77	2.38	2.29	1.85	2.20	2.64	1.73	1.82	1.76	2.09	2.49	3.26	12.87	26.95
93	2.61	2.23	2.12	1.72	2.13	2.57	1.67	1.73	1.65	1.97	2.34	3.02	12.09	25.53
94	2.77	2.38	2.30	1.88	2.24	2.69	1.76	1.82	1.75	2.08	2.49	3.26	12.87	27.10
95	2.86	2.46	2.40	1.95	2.29	2.76	1.82	1.89	1.82	2.14	2.56	3.37	13.28	27.94
96	2.54	2.17	2.05	1.65	2.10	2.54	1.64	1.70	1.61	1.92	2.27	2.90	11.72	24.88
97	2.67	2.28	2.18	1.75	2.17	2.63	1.72	1.78	1.70	2.01	2.37	3.06	12.31	26.07
98	2.00	2.40	2.33	1.90	2.27	2.75	1.81	1.86	1.78	2.10	2.49	3.27	12.05	27.41
99	2.62	2.23	2.14	1.74	2.18	2.66	1.73	1.76	1.66	1.97	2.33	3.00	12.04	25.74
100	2.60	2.21	2.10	1.69	2.14	2.60	1.70	1.75	1.66	1.96	2.31	2.94	11.95	25.45
101	2.75	2.35	2.26	1.82	2.22	2.70	1.79	1.85	1.76	2.07	2.43	3.14	12.65	26.87
102	2.99	2.57	2.52	2.05	2.36	2.86	1.92	1.99	1.91	2.23	2.64	3.50	13.81	29.13
103	2.80	2.39	2.31	1.88	2.27	2.77	1.84	1.89	1.80	2.11	2.47	3.23	12.88	27.43
104	2.43	2.05	1.91	1.53	2.05	2.52	1.63	1.67	1.56	1.85	2.14	2.68	11.08	23.89
105	1.86	1.51	1.10	1.04	1.54	1.88	0.92	0.92	0.94	1.31	1.84	2.09	7.23	16.87
106	2.21	1.85	1.53	1.39	1.84	2.23	1.14	1.17	1.22	1.59	2.13	2.57	10.27	20.85
107	2.22	1.87	1.57	1.41	1.85	2.24	1.17	1.21	1.24	1.61	2.14	2.62	10.36	21.10
108	2.03	1.68	1.31	1.20	1.68	2.04	1.04	1.05	1.07	1.45	1.98	2.36	9.41	18.94
109	1.78	1.46	1.08	1.00	1.51	1.85	0.93	0.93	0.93	1.29	1.76	2.04	6.92	16.44
110	1.86	1.53	1.21	1.10	1.62	1.98	1.00	1.01	1.02	1.36	1.81	2.13	8.59	17.69
111	1.80	1.49	1.17	1.07	1.60	1.94	0.99	1.00	1.00	1.34	1.75	2.07	8.97	17.08
112	2.24	1.88	1.58	1.40	1.83	2.20	1.19	1.23	1.25	1.63	2.15	2.70	10.45	21.17
113	2.07	1.73	1.43	1.26	1.74	2.09	1.12	1.15	1.16	1.52	1.99	2.47	9.62	19.67
114	1.61	1.32	0.99	0.91	1.46	1.79	0.92	0.91	0.89	1.21	1.58	1.82	6.24	15.33
115	1.52	1.23	0.91	0.84	1.39	1.71	0.89	0.88	0.84	1.16	1.49	1.69	5.87	14.48
116	1.74	1.43	1.10	0.98	1.52	1.84	0.97	0.98	0.95	1.30	1.69	2.03	6.71	16.33
117	1.79	1.49	1.18	1.04	1.57	1.90	1.02	1.04	1.01	1.35	1.73	2.13	8.31	17.25
118	1.43	1.16	0.84	0.76	1.31	1.61	0.86	0.85	0.81	1.11	1.40	1.59	4.12	13.68
119	1.61	1.32	1.04	0.92	1.48	1.80	0.97	0.99	0.94	1.25	1.54	1.85	6.19	15.58
120	1.73	1.43	1.14	0.99	1.54	1.86	1.01	1.04	1.00	1.32	1.66	2.05	8.01	16.77
121	1.65	1.36	1.07	0.93	1.49	1.80	0.99	1.01	0.96	1.27	1.58	1.93	7.59	16.04
122	1.49	1.21	0.93	0.81	1.38	1.69	0.92	0.94	0.88	1.17	1.42	1.66	5.71	14.45
123	1.46	1.18	0.90	0.78	1.35	1.66	0.92	0.94	0.88	1.15	1.38	1.61	5.58	14.16
124	1.62	1.33	1.06	0.90	1.47	1.78	0.99	1.02	0.96	1.26	1.54	1.87	6.21	15.65
125	1.42	1.15	0.86	0.73	1.30	1.59	0.90	0.91	0.83	1.12	1.36	1.59	4.11	13.71
126	1.29	1.03	0.73	0.63	1.17	1.45	0.85	0.85	0.76	1.03	1.23	1.35	3.70	12.39
127	1.22	0.96	0.66	0.57	1.07	1.34	0.83	0.81	0.72	0.99	1.16	1.23	3.51	11.65
128	1.41	1.14	0.85	0.72	1.29	1.58	0.91	0.91	0.82	1.11	1.34	1.54	4.05	13.60
129	1.44	1.17	0.88	0.74	1.33	1.62	0.94	0.94	0.85	1.14	1.37	1.57	5.51	13.96
130	1.21	0.95	0.55	0.56	1.06	1.33	0.84	0.82	0.71	0.98	1.14	1.19	3.48	11.57
131	1.35	1.08	0.79	0.67	1.24	1.55	0.92	0.91	0.80	1.07	1.26	1.36	3.78	13.09
132	1.27	1.01	0.71	0.60	1.14	1.42	0.88	0.85	0.73	1.01	1.21	1.29	3.65	12.18
133	1.21	0.96	0.65	0.55	1.07	1.35	0.87	0.82	0.70	0.97	1.15	1.18	3.48	11.62
134	1.63	1.15	0.89	0.74	1.35	1.67	0.98	0.97	0.86	1.13	1.33	1.45	4.12	14.04
135	1.23	0.97	0.68	0.58	1.11	1.40	0.90	0.85	0.73	0.99	1.15	1.14	3.53	11.61
136	1.30	1.04	0.75	0.63	1.21	1.50	0.93	0.89	0.76	1.03	1.23	1.28	3.74	12.67
137	1.48	1.20	0.95	0.79	1.41	1.74	1.05	1.00	0.88	1.16	1.38	1.52	5.64	14.61
138	1.37	1.09	0.83	0.70	1.30	1.62	0.99	0.95	0.82	1.08	1.26	1.32	3.94	13.49
139	1.73	1.43	1.21	1.01	1.64	2.01	1.20	1.17	1.06	1.34	1.58	1.82	7.85	17.29
140	1.98	1.66	1.48	1.23	1.81	2.20	1.32	1.31	1.21	1.52	1.81	2.20	9.10	19.66
141	2.25	1.91	1.77	1.46	1.98	2.40	1.48	1.49	1.40	1.71	2.05	2.57	10.41	22.34
142	2.25	1.90	1.76	1.45	1.99	2.41	1.49	1.50	1.41	1.71	2.03	2.53	10.35	22.31

TABLE D-17 5 KM GRID SQUARE ESTIMATED PRECIPITATION DATA (CONT'D.)
GROUP N MEAN MONTHLY AND ANNUAL PRECIPITATION (IN)

SQN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	WPREC	APREC
143	2.27	1.92	1.78	1.47	2.01	2.44	1.50	1.51	1.42	1.72	2.04	2.54	10.42	22.50
144	2.28	1.94	1.81	1.49	2.01	2.44	1.52	1.52	1.42	1.74	2.07	2.61	10.56	22.69
145	2.72	2.35	2.27	1.87	2.24	2.71	1.76	1.79	1.71	2.05	2.43	3.21	12.67	25.81
146	2.22	1.87	1.73	1.43	1.99	2.44	1.50	1.49	1.39	1.69	1.99	2.47	10.19	22.00
147	2.51	2.14	2.03	1.68	2.15	2.62	1.66	1.67	1.59	1.89	2.24	2.87	11.55	24.81
148	2.88	2.49	2.44	2.01	2.33	2.81	1.86	1.90	1.83	2.16	2.59	3.43	13.43	28.31
149	2.87	2.48	2.43	1.99	2.33	2.82	1.86	1.90	1.82	2.15	2.57	3.40	13.34	28.22
150	2.68	2.29	2.21	1.82	2.24	2.73	1.76	1.78	1.71	2.02	2.38	3.10	12.36	26.42
151	2.57	2.17	2.08	1.71	2.19	2.67	1.71	1.72	1.63	1.93	2.27	2.93	11.76	25.31
152	2.67	2.29	2.21	1.82	2.24	2.72	1.77	1.79	1.70	2.01	2.38	3.11	12.34	26.38
153	2.98	2.56	2.52	2.07	2.38	2.99	1.94	1.98	1.90	2.23	2.64	3.53	13.78	29.17
154	3.00	2.57	2.53	2.08	2.40	2.02	1.94	1.99	1.92	2.24	2.65	3.53	13.84	29.34
155	2.85	2.42	2.35	1.93	2.32	2.84	1.87	1.90	1.83	2.13	2.50	3.30	13.05	27.88
156	2.99	2.56	2.53	2.07	2.39	2.91	1.95	2.00	1.92	2.24	2.64	3.53	13.91	29.29
157	2.96	2.52	2.49	2.03	2.37	2.90	1.94	1.99	1.91	2.22	2.60	3.48	13.60	28.95
158	3.04	2.58	2.53	2.09	2.41	2.95	1.97	2.02	1.96	2.27	2.65	3.56	13.91	29.57
159	3.08	2.61	2.56	2.10	2.43	2.97	1.99	2.05	2.00	2.31	2.68	3.61	14.08	29.94
160	2.70	2.27	2.19	1.78	2.24	2.76	1.81	1.84	1.75	2.04	2.35	3.09	12.28	25.48
161	2.46	2.05	1.93	1.58	2.11	2.62	1.70	1.70	1.60	1.88	2.14	2.77	11.11	24.30
162	2.86	2.40	2.32	1.90	2.32	2.86	1.89	1.93	1.85	2.16	2.59	3.31	12.97	27.89
163	2.48	2.05	1.92	1.58	2.12	2.65	1.71	1.71	1.62	1.90	2.14	2.81	11.13	24.41
164	2.17	1.77	1.62	1.33	1.93	2.43	1.56	1.53	1.41	1.68	1.98	2.38	9.67	21.54
165	1.65	1.32	0.95	0.95	1.47	1.85	0.83	0.80	0.84	1.18	1.66	1.73	6.46	15.35
166	1.38	1.08	0.73	0.79	1.27	1.62	0.72	0.69	0.72	1.02	1.41	1.38	3.98	12.96
167	1.32	1.03	0.68	0.74	1.20	1.54	0.71	0.67	0.69	0.98	1.35	1.30	3.80	12.36
168	1.50	1.19	0.80	0.83	1.33	1.68	0.76	0.73	0.75	1.08	1.52	1.54	4.33	13.83
169	1.67	1.35	0.99	0.98	1.50	1.87	0.87	0.85	0.88	1.21	1.66	1.79	5.50	15.65
170	1.31	1.02	0.68	0.72	1.19	1.53	0.72	0.68	0.69	0.98	1.33	1.30	3.77	12.20
171	1.24	0.96	0.61	0.66	1.09	1.41	0.69	0.65	0.65	0.94	1.26	1.21	3.55	11.51
172	1.47	1.17	0.80	0.81	1.32	1.66	0.78	0.75	0.76	1.08	1.48	1.53	4.24	13.67
173	1.33	1.04	0.66	0.69	1.17	1.48	0.73	0.68	0.67	0.99	1.35	1.34	3.82	12.23
174	1.31	1.03	0.69	0.72	1.21	1.54	0.75	0.71	0.70	1.00	1.32	1.31	3.76	12.40
175	1.32	1.05	0.72	0.73	1.23	1.56	0.77	0.73	0.72	1.01	1.32	1.34	3.80	12.59
176	1.28	1.00	0.63	0.65	1.11	1.41	0.72	0.67	0.65	0.96	1.30	1.29	3.68	11.78
177	1.31	1.03	0.67	0.68	1.17	1.47	0.75	0.71	0.67	0.99	1.31	1.34	3.75	12.20
178	1.32	1.04	0.73	0.73	1.24	1.56	0.78	0.75	0.73	1.02	1.31	1.34	3.79	12.63
179	1.43	1.16	0.87	0.83	1.38	1.72	0.86	0.84	0.82	1.11	1.41	1.52	4.14	13.97
180	1.33	1.05	0.71	0.70	1.21	1.52	0.78	0.75	0.72	1.02	1.32	1.39	3.82	12.54
181	1.32	1.05	0.72	0.69	1.21	1.51	0.79	0.76	0.72	1.02	1.30	1.38	3.78	12.52
182	1.37	1.10	0.81	0.77	1.32	1.64	0.84	0.82	0.79	1.07	1.34	1.44	3.94	13.35
183	1.43	1.16	0.88	0.82	1.39	1.72	0.89	0.88	0.84	1.13	1.38	1.52	4.13	14.06
184	1.29	1.02	0.70	0.67	1.18	1.48	0.79	0.77	0.72	1.01	1.27	1.35	3.70	12.28
185	1.24	0.99	0.67	0.63	1.13	1.42	0.78	0.77	0.71	0.99	1.22	1.30	3.57	11.89
186	1.70	1.41	1.18	1.05	1.62	1.98	1.04	1.06	1.04	1.33	1.61	1.91	7.88	16.97
187	1.90	1.59	1.39	1.21	1.76	2.13	1.15	1.20	1.19	1.48	1.77	2.18	8.77	18.88
188	1.26	1.00	0.70	0.64	1.16	1.45	0.81	0.80	0.74	1.01	1.22	1.32	3.62	12.14
189	1.21	0.96	0.66	0.60	1.10	1.38	0.90	0.79	0.72	0.99	1.17	1.23	3.49	11.68
190	1.63	1.34	1.11	0.96	1.55	1.90	1.02	1.05	1.02	1.29	1.52	1.78	6.22	15.12
191	1.57	1.28	1.04	0.90	1.50	1.84	1.00	1.03	0.99	1.25	1.45	1.66	5.97	15.51
192	1.18	0.93	0.63	0.56	1.04	1.31	0.79	0.79	0.71	0.97	1.13	1.17	3.40	11.31
193	1.20	0.95	0.65	0.57	1.06	1.34	0.81	0.81	0.73	0.98	1.14	1.18	3.45	11.54
194	1.79	1.49	1.28	1.09	1.67	2.06	1.13	1.17	1.14	1.41	1.84	1.96	8.19	17.80
195	2.01	1.69	1.50	1.26	1.91	2.20	1.25	1.31	1.29	1.57	1.83	2.25	9.25	19.93
196	1.27	1.00	0.71	0.62	1.15	1.44	0.96	0.85	0.77	1.03	1.19	1.25	3.64	12.26
197	1.48	1.20	0.93	0.79	1.39	1.71	0.98	0.99	0.91	1.18	1.37	1.52	5.62	14.51
198	2.28	1.93	1.77	1.48	1.97	2.38	1.39	1.48	1.46	1.75	2.05	2.59	10.50	22.41
199	2.23	1.88	1.72	1.43	1.94	2.35	1.38	1.46	1.43	1.72	2.01	2.50	10.25	21.94
200	1.92	1.61	1.40	1.17	1.75	2.12	1.22	1.27	1.21	1.49	1.75	2.13	8.80	19.02
201	1.97	1.65	1.46	1.21	1.78	2.16	1.26	1.30	1.24	1.53	1.79	2.17	9.02	19.51
202	2.04	1.70	1.51	1.26	1.83	2.23	1.30	1.35	1.30	1.58	1.83	2.20	9.28	20.11
203	1.41	1.11	0.84	0.71	1.31	1.64	0.99	0.97	0.87	1.12	1.27	1.29	4.05	13.77
204	1.29	1.02	0.74	0.63	1.19	1.50	0.93	0.90	0.79	1.04	1.18	1.19	3.73	12.63
205	1.24	0.97	0.69	0.58	1.11	1.41	0.92	0.88	0.75	1.00	1.13	1.10	3.57	12.04
206	1.25	0.97	0.68	0.58	1.08	1.38	0.92	0.88	0.77	1.01	1.12	1.06	3.60	12.02
207	1.32	1.03	0.74	0.63	1.18	1.51	0.97	0.93	0.81	1.05	1.18	1.13	3.81	12.82
208	1.56	1.26	1.02	0.85	1.49	1.85	1.10	1.07	0.96	1.22	1.41	1.52	5.00	15.46
209	2.17	1.82	1.66	1.38	1.95	2.37	1.43	1.45	1.37	1.66	1.94	2.37	9.91	21.52
210	1.53	1.22	0.96	0.81	1.44	1.80	1.09	1.06	0.95	1.20	1.36	1.41	4.43	15.09
211	1.77	1.43	1.20	1.00	1.65	2.05	1.22	1.21	1.11	1.37	1.56	1.73	7.36	17.47
212	2.21	1.86	1.70	1.41	1.97	2.41	1.47	1.48	1.40	1.68	1.97	2.41	10.09	21.91
213	2.02	1.67	1.49	1.24	1.85	2.28	1.49	1.36	1.26	1.54	1.79	2.13	9.10	20.01

TABLE D-17 5 KM GRID SQUARE ESTIMATED PRECIPITATION DATA (CONT'D.)
GROUP N MEAN MONTHLY AND ANNUAL PRECIPITATION (IN)

SQN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	WPREC	APREC
214	1.87	1.52	1.29	1.09	1.73	2.15	1.28	1.27	1.17	1.43	1.64	1.95	8.70	19.41
215	2.09	1.71	1.51	1.26	1.88	2.32	1.40	1.40	1.31	1.58	1.82	2.14	9.71	20.46
216	2.47	2.08	1.96	1.62	2.13	2.59	1.62	1.64	1.57	1.86	2.18	2.75	11.27	24.39
217	2.64	2.24	2.14	1.76	2.22	2.71	1.72	1.75	1.68	1.98	2.33	2.98	12.07	25.86
218	1.98	1.59	1.37	1.15	1.80	2.24	1.35	1.33	1.24	1.50	1.71	1.98	8.72	19.32
219	1.89	1.50	1.26	1.06	1.71	2.15	1.31	1.28	1.17	1.43	1.62	1.83	8.23	18.33
220	2.30	1.91	1.75	1.45	2.02	2.49	1.55	1.54	1.45	1.73	2.01	2.49	10.35	22.60
221	2.72	2.29	2.18	1.80	2.26	2.77	1.77	1.80	1.73	2.03	2.37	3.07	12.34	26.51
222	2.15	1.74	1.53	1.27	1.90	2.37	1.45	1.44	1.36	1.63	1.85	2.20	9.50	20.91
223	2.20	1.77	1.55	1.29	1.92	2.40	1.48	1.46	1.39	1.66	1.88	2.26	9.66	21.26
224	2.61	2.17	2.05	1.69	2.19	2.70	1.72	1.74	1.67	1.96	2.27	2.90	11.78	25.45
225	2.91	2.44	2.34	1.93	2.34	2.88	1.88	1.92	1.88	2.18	2.52	3.32	13.19	28.19
226	2.42	1.96	1.76	1.46	2.05	2.55	1.59	1.60	1.55	1.82	2.07	2.55	10.71	23.32
227	2.72	2.23	2.05	1.69	2.21	2.74	1.74	1.78	1.75	2.04	2.33	2.96	12.14	26.10
228	3.17	2.67	2.59	2.13	2.45	3.01	2.01	2.08	2.06	2.37	2.74	3.67	14.42	30.53
229	3.07	2.57	2.48	2.04	2.41	2.98	1.97	2.03	2.00	2.31	2.64	3.55	13.90	29.62
230	2.77	2.26	2.08	1.72	2.23	2.78	1.77	1.81	1.79	2.08	2.36	3.05	12.32	26.51
231	2.54	2.05	1.84	1.53	2.10	2.54	1.67	1.68	1.65	1.93	2.16	2.76	11.21	24.30
232	2.67	2.15	2.05	1.69	2.20	2.74	1.77	1.79	1.74	2.03	2.29	3.00	11.93	25.49
233	2.11	1.67	1.46	1.21	1.84	2.35	1.40	1.46	1.37	1.63	1.70	2.26	9.19	20.55
234	2.34	1.85	1.61	1.34	1.95	2.43	1.57	1.56	1.51	1.79	1.97	2.49	10.19	22.30
235	2.19	1.71	1.44	1.20	1.83	2.35	1.50	1.47	1.42	1.69	1.83	2.31	9.44	20.91
236	2.22	1.76	1.56	1.29	1.91	2.44	1.55	1.53	1.45	1.72	1.88	2.43	9.68	21.57
237	1.31	1.01	0.66	0.76	1.19	1.56	0.68	0.63	0.67	0.95	1.35	1.22	2.77	12.23
238	1.54	1.24	0.93	0.99	1.51	1.91	0.82	0.78	0.84	1.14	1.55	1.53	4.48	14.98
239	1.82	1.49	1.23	1.23	1.75	2.19	0.98	0.97	1.04	1.34	1.78	1.94	7.07	17.80
240	1.30	1.01	0.67	0.76	1.20	1.56	0.69	0.64	0.68	0.97	1.34	1.23	3.77	12.28
241	1.25	0.97	0.64	0.71	1.14	1.48	0.68	0.63	0.66	0.94	1.29	1.18	3.69	11.78
242	1.53	1.23	0.93	0.98	1.51	1.91	0.84	0.81	0.85	1.14	1.52	1.54	5.94	14.92
243	1.43	1.14	0.85	0.89	1.42	1.80	0.81	0.77	0.80	1.08	1.43	1.42	4.14	14.00
244	1.22	0.94	0.60	0.68	1.09	1.43	0.68	0.63	0.64	0.92	1.25	1.14	3.52	11.46
245	1.27	0.99	0.66	0.72	1.17	1.51	0.72	0.67	0.68	0.95	1.28	1.21	3.64	12.01
246	1.80	1.49	1.25	1.21	1.74	2.16	1.01	1.01	1.06	1.36	1.75	1.96	6.98	17.80
247	2.24	1.90	1.72	1.58	2.02	2.48	1.25	1.30	1.36	1.69	2.13	2.58	10.45	22.12
248	1.61	1.31	1.03	1.01	1.56	1.94	0.91	0.90	0.92	1.22	1.58	1.72	6.25	15.74
249	1.81	1.50	1.26	1.13	1.72	2.12	1.03	1.04	1.06	1.37	1.75	2.00	8.38	17.91
250	2.14	1.81	1.63	1.50	1.97	2.43	1.22	1.25	1.31	1.62	2.04	2.46	9.99	21.28
251	2.24	1.91	1.74	1.58	2.03	2.47	1.28	1.23	1.39	1.70	2.12	2.61	10.47	22.25
252	1.70	1.41	1.15	1.09	1.64	2.03	0.99	0.99	1.00	1.30	1.65	1.96	6.59	16.78
253	2.03	1.71	1.51	1.37	1.88	2.29	1.17	1.21	1.24	1.54	1.93	2.34	9.47	20.17
254	2.61	2.25	2.15	1.90	2.23	2.70	1.49	1.58	1.65	1.97	2.44	3.14	12.29	25.81
255	2.43	2.09	1.97	1.74	2.14	2.59	1.41	1.48	1.54	1.85	2.27	2.89	11.40	24.16
256	2.10	1.87	1.70	1.51	1.97	2.39	1.27	1.32	1.36	1.67	2.07	2.58	10.25	21.76
257	2.06	1.75	1.57	1.40	1.90	2.41	1.22	1.26	1.28	1.58	1.94	2.39	9.51	20.55
258	2.59	2.23	2.15	1.87	2.22	2.68	1.51	1.60	1.66	1.98	2.40	3.12	12.17	25.67
259	2.61	2.25	2.17	1.88	2.22	2.68	1.53	1.62	1.68	2.00	2.41	3.14	12.25	25.86
260	2.19	1.86	1.70	1.49	1.96	2.38	1.29	1.35	1.37	1.68	2.04	2.56	10.17	21.68
261	2.74	2.38	2.33	1.97	2.25	2.70	1.59	1.71	1.76	2.09	2.52	3.35	12.91	26.99
262	2.81	2.44	2.39	2.04	2.31	2.78	1.64	1.76	1.83	2.15	2.57	3.41	13.20	27.71
263	2.62	2.26	2.18	1.86	2.22	2.67	1.55	1.67	1.72	2.02	2.39	3.13	12.26	25.97
264	2.64	2.28	2.19	1.86	2.20	2.64	1.55	1.66	1.71	2.02	2.41	3.19	12.37	26.01
265	2.28	1.94	1.81	1.54	2.01	2.42	1.37	1.45	1.48	1.77	2.08	2.66	10.59	22.63
266	2.46	2.11	2.00	1.70	2.12	2.56	1.47	1.58	1.62	1.91	2.23	2.87	11.44	24.41
267	3.04	2.64	2.52	2.17	2.39	2.86	1.77	1.93	2.01	2.32	2.73	3.65	14.22	29.67
268	2.52	2.16	2.05	1.72	2.12	2.55	1.49	1.62	1.65	1.94	2.28	2.97	11.73	24.83
269	2.57	2.20	2.09	1.75	2.14	2.58	1.53	1.65	1.68	1.98	2.31	3.01	11.93	25.23
270	3.16	2.74	2.71	2.26	2.44	2.91	1.83	2.01	2.00	2.41	2.82	3.79	14.78	30.73
271	3.26	2.83	2.79	2.31	2.47	2.95	1.88	2.07	2.15	2.47	2.90	3.88	15.20	31.50
272	2.81	2.42	2.33	1.94	2.26	2.71	1.66	1.80	1.83	2.14	2.52	3.31	13.07	27.40
273	3.04	2.63	2.57	2.12	2.36	2.82	1.79	1.94	1.99	2.31	2.71	3.61	14.17	29.50
274	3.17	2.93	2.60	2.40	2.51	3.00	1.95	2.14	2.22	2.54	2.99	4.01	15.72	32.48
275	3.24	2.80	2.74	2.26	2.45	2.94	1.89	2.06	2.12	2.44	2.86	3.79	15.05	31.21
276	2.89	2.49	2.40	1.99	2.30	2.75	1.72	1.86	1.88	2.19	2.58	3.37	13.43	28.12
277	2.42	2.05	1.90	1.57	2.06	2.49	1.49	1.58	1.57	1.85	2.15	2.69	11.10	23.72
278	2.79	2.37	2.25	1.86	2.25	2.71	1.66	1.79	1.82	2.11	2.45	3.12	12.79	26.98
279	2.06	1.69	1.47	1.22	1.83	2.24	1.29	1.35	1.33	1.59	1.80	2.07	9.23	20.09
280	1.63	1.31	1.05	0.88	1.52	1.88	1.00	1.10	1.03	1.28	1.44	1.54	6.14	15.97
281	1.34	1.03	0.74	0.63	1.17	1.49	0.95	0.93	0.83	1.07	1.18	1.11	3.84	12.82
282	1.53	1.20	0.90	0.77	1.38	1.74	1.03	1.03	0.97	1.20	1.33	1.31	4.42	14.77
283	1.45	1.11	0.80	0.68	1.24	1.59	1.00	0.98	0.91	1.14	1.25	1.17	4.17	13.75
284	1.34	1.02	0.72	0.62	1.13	1.46	0.96	0.93	0.83	1.06	1.17	1.08	3.84	12.72

TABLE D-17 5 KM GRID SQUARE ESTIMATED PRECIPITATION DATA (CONT'D.)
GROUP N MEAN MONTHLY AND ANNUAL PRECIPITATION (IN)

SQN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	WPREC	APREC
285	1.40	1.07	0.77	0.66	1.21	1.55	1.00	0.96	0.87	1.10	1.22	1.15	4.02	13.38
286	1.47	1.12	0.80	0.68	1.24	1.59	1.01	0.99	0.91	1.14	1.26	1.17	4.21	13.83
287	1.53	1.16	0.84	0.72	1.30	1.66	1.05	1.02	0.95	1.18	1.30	1.23	4.39	14.41
288	1.49	1.15	0.85	0.72	1.31	1.67	1.05	1.02	0.92	1.15	1.29	1.25	4.29	14.38
289	1.52	1.17	0.87	0.74	1.33	1.70	1.08	1.03	0.94	1.17	1.30	1.28	4.38	14.55
290	1.56	1.18	0.85	0.73	1.31	1.68	1.07	1.04	0.96	1.19	1.32	1.26	4.48	14.63
291	1.58	1.19	0.86	0.74	1.30	1.68	1.09	1.05	0.97	1.20	1.33	1.27	4.53	14.74
292	1.53	1.17	0.87	0.74	1.33	1.70	1.09	1.04	0.94	1.18	1.31	1.28	4.41	14.61
293	1.54	1.17	0.85	0.73	1.30	1.68	1.10	1.04	0.94	1.18	1.31	1.28	4.43	14.55
294	1.66	1.25	0.93	0.79	1.39	1.79	1.13	1.09	1.02	1.26	1.40	1.38	4.77	15.58
295	1.75	1.33	1.00	0.85	1.47	1.88	1.18	1.14	1.07	1.32	1.46	1.50	5.02	16.40
296	1.55	1.17	0.85	0.72	1.28	1.66	1.11	1.05	0.95	1.19	1.31	1.29	4.46	14.58
297	1.63	1.23	0.91	0.77	1.35	1.75	1.15	1.10	1.00	1.24	1.37	1.39	4.68	15.33
298	1.71	1.28	0.94	0.81	1.39	1.80	1.17	1.12	1.05	1.29	1.42	1.45	4.91	15.89
299	1.70	1.26	0.89	0.77	1.31	1.72	1.16	1.11	1.05	1.29	1.41	1.41	4.87	15.57
300	1.82	1.39	1.08	0.91	1.54	1.98	1.24	1.21	1.13	1.38	1.53	1.63	5.23	17.22
301	2.05	1.58	1.28	1.08	1.73	2.20	1.36	1.34	1.20	1.54	1.72	1.94	7.58	19.40
302	1.80	1.33	0.97	0.83	1.40	1.83	1.21	1.16	1.12	1.37	1.49	1.55	5.13	16.50
303	2.11	1.61	1.26	1.07	1.71	2.20	1.36	1.34	1.33	1.60	1.76	1.98	7.80	19.68
304	2.15	1.67	1.36	1.14	1.79	2.27	1.41	1.39	1.36	1.62	1.80	2.08	9.21	20.20
305	2.29	1.79	1.49	1.24	1.88	2.38	1.48	1.48	1.46	1.73	1.92	2.27	9.87	21.53
306	2.65	2.09	1.80	1.51	2.09	2.63	1.64	1.66	1.69	1.98	2.22	2.73	11.51	24.71
307	2.66	2.09	1.80	1.51	2.09	2.65	1.65	1.67	1.70	2.00	2.22	2.78	11.52	24.78
308	2.34	1.83	1.53	1.28	1.90	2.42	1.51	1.51	1.50	1.78	1.96	2.37	10.09	21.99
309	1.89	1.56	1.32	1.32	1.83	2.30	1.02	1.01	1.10	1.40	1.85	2.02	8.75	18.72
310	1.96	1.63	1.42	1.41	1.91	2.40	1.08	1.07	1.16	1.45	1.90	2.11	9.07	19.55
311	1.99	1.65	1.46	1.44	1.94	2.42	1.11	1.10	1.19	1.49	1.92	2.17	9.21	19.89
312	2.00	1.67	1.45	1.42	1.91	2.39	1.09	1.10	1.18	1.49	1.94	2.19	9.28	19.84
313	1.76	1.45	1.21	1.21	1.75	2.19	0.99	0.97	1.03	1.32	1.72	1.85	6.85	17.51
314	2.00	1.67	1.49	1.44	1.95	2.42	1.13	1.13	1.21	1.50	1.92	2.20	9.26	20.05
315	2.05	1.73	1.56	1.49	1.99	2.46	1.17	1.18	1.26	1.55	1.96	2.29	9.53	20.65
316	1.83	1.52	1.29	1.27	1.80	2.24	1.03	1.03	1.09	1.38	1.77	1.98	7.10	18.24
317	2.04	1.72	1.53	1.45	1.94	2.40	1.16	1.18	1.25	1.54	1.95	2.29	9.51	20.43
318	2.04	1.72	1.56	1.48	1.98	2.45	1.18	1.19	1.27	1.56	1.94	2.29	9.49	20.62
319	2.08	1.76	1.61	1.51	2.01	2.47	1.21	1.23	1.31	1.59	1.97	2.35	9.67	21.01
320	2.28	1.94	1.80	1.66	2.09	2.56	1.30	1.34	1.42	1.73	2.16	2.64	10.68	22.77
321	2.43	2.08	1.96	1.77	2.17	2.64	1.39	1.44	1.53	1.84	2.28	2.85	11.38	24.16
322	2.43	2.08	1.99	1.80	2.20	2.69	1.41	1.46	1.55	1.85	2.27	2.85	11.39	24.34
323	3.16	2.77	2.77	2.43	2.54	3.07	1.80	1.92	2.05	2.39	2.91	3.89	14.96	31.17
324	2.90	2.52	2.46	2.17	2.39	2.89	1.64	1.75	1.85	2.18	2.69	3.52	13.67	28.54
325	2.89	2.51	2.47	2.17	2.39	2.89	1.65	1.76	1.86	2.19	2.67	3.52	13.63	28.54
326	3.21	2.81	2.83	2.47	2.56	3.09	1.84	1.97	2.10	2.43	2.94	3.96	15.17	31.62
327	2.72	2.36	2.32	2.04	2.34	2.84	1.60	1.69	1.79	2.09	2.51	3.28	12.81	27.19
328	2.51	2.17	2.08	1.84	2.21	2.68	1.47	1.55	1.62	1.93	2.33	3.00	11.80	25.10
329	2.76	2.40	2.35	2.05	2.33	2.81	1.62	1.72	1.80	2.12	2.54	3.35	13.01	27.46
330	2.99	2.61	2.61	2.27	2.47	2.97	1.75	1.87	1.98	2.29	2.73	3.66	14.11	29.71
331	3.30	2.89	2.93	2.51	2.58	3.10	1.91	2.07	2.19	2.52	2.99	4.08	15.57	32.45
332	2.95	2.57	2.55	2.19	2.41	2.90	1.72	1.84	1.93	2.25	2.69	3.60	13.89	29.13
333	2.91	2.52	2.50	2.14	2.38	2.87	1.70	1.84	1.92	2.23	2.64	3.52	13.66	28.73
334	3.06	2.66	2.67	2.28	2.48	2.98	1.79	1.94	2.04	2.35	2.76	3.71	14.37	30.23
335	2.70	2.32	2.27	1.95	2.30	2.78	1.60	1.73	1.81	2.10	2.43	3.17	12.58	26.84
336	2.56	2.20	2.12	1.82	2.21	2.66	1.52	1.63	1.69	1.99	2.32	3.00	11.91	25.44
337	2.43	2.07	1.96	1.68	2.13	2.57	1.45	1.56	1.61	1.90	2.19	2.78	11.25	24.14
338	2.35	1.99	1.87	1.61	2.10	2.55	1.42	1.52	1.58	1.85	2.10	2.62	10.83	23.45
339	2.32	1.95	1.80	1.54	2.05	2.50	1.39	1.49	1.55	1.82	2.05	2.51	10.59	22.92
340	2.74	2.35	2.27	1.91	2.27	2.73	1.61	1.75	1.82	2.12	2.45	3.17	12.72	27.93
341	3.01	2.59	2.53	2.11	2.38	2.85	1.75	1.92	2.00	2.30	2.67	3.51	13.98	29.28
342	2.33	1.95	1.79	1.52	2.04	2.48	1.39	1.50	1.56	1.82	2.06	2.49	10.62	22.93
343	2.34	1.95	1.76	1.49	2.03	2.46	1.39	1.50	1.55	1.82	2.05	2.44	10.59	22.82
344	3.13	2.70	2.63	2.19	2.42	2.91	1.91	1.99	2.07	2.38	2.77	3.63	14.52	30.29
345	3.08	2.64	2.55	2.18	2.39	2.87	1.78	1.95	2.03	2.34	2.71	3.58	14.23	29.70
346	2.51	2.09	1.90	1.59	2.10	2.55	1.47	1.59	1.65	1.93	2.18	2.62	11.34	24.22
347	2.93	2.47	2.32	1.93	2.31	2.79	1.69	1.84	1.92	2.22	2.55	3.18	13.36	28.06
348	3.39	2.92	2.86	2.36	2.52	3.02	1.95	2.14	2.23	2.55	2.97	3.92	15.68	32.45
349	3.05	2.60	2.48	2.06	2.37	2.86	1.78	1.93	2.00	2.30	2.67	3.41	14.00	29.29
350	2.94	2.47	2.31	1.92	2.31	2.79	1.69	1.84	1.92	2.22	2.54	3.16	13.35	28.04
351	2.53	2.08	1.86	1.55	2.09	2.55	1.49	1.59	1.64	1.91	2.17	2.55	11.32	24.13
352	2.41	2.00	1.79	1.49	2.04	2.48	1.45	1.54	1.56	1.83	2.09	2.48	10.84	23.25
353	1.79	1.41	1.12	0.95	1.59	1.99	1.14	1.17	1.14	1.38	1.53	1.58	6.67	17.14
354	2.08	1.67	1.37	1.15	1.80	2.22	1.26	1.32	1.33	1.59	1.77	1.90	9.10	19.77
355	2.21	1.78	1.49	1.25	1.88	2.32	1.34	1.39	1.41	1.67	1.88	2.07	9.70	20.97

TABLE D-17 5 KM GRID SQUARE ESTIMATED PRECIPITATION DATA (CONT'D.)
GROUP N MEAN MONTHLY AND ANNUAL PRECIPITATION (IN)

SQN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	WPREC	APREC
356	1.75	1.37	1.06	0.90	1.54	1.93	1.13	1.14	1.10	1.35	1.49	1.50	6.61	16.65
357	1.81	1.42	1.10	0.94	1.58	1.99	1.16	1.17	1.14	1.39	1.54	1.56	6.73	17.19
358	2.64	2.16	1.91	1.60	2.14	2.62	1.56	1.64	1.68	1.97	2.25	2.64	11.72	24.94
359	2.64	2.15	1.89	1.59	2.14	2.63	1.57	1.64	1.67	1.96	2.24	2.63	11.68	24.88
360	1.83	1.42	1.10	0.94	1.59	1.99	1.18	1.18	1.14	1.39	1.55	1.57	6.90	17.30
361	1.91	1.49	1.17	1.00	1.65	2.08	1.23	1.22	1.19	1.44	1.62	1.69	7.11	19.11
362	2.63	2.13	1.85	1.56	2.12	2.61	1.56	1.63	1.66	1.95	2.23	2.60	11.59	24.68
363	2.91	2.38	2.13	1.78	2.28	2.80	1.71	1.79	1.85	2.15	2.47	2.99	12.92	27.27
364	2.12	1.67	1.37	1.16	1.81	2.26	1.34	1.35	1.33	1.59	1.79	1.97	9.19	20.03
365	1.98	1.53	1.20	1.02	1.67	2.11	1.27	1.26	1.23	1.48	1.66	1.75	7.33	18.57
366	2.94	2.40	2.15	1.80	2.29	2.82	1.73	1.81	1.86	2.17	2.50	3.04	13.05	27.54
367	2.51	1.98	1.67	1.41	2.03	2.53	1.51	1.54	1.57	1.86	2.11	2.43	10.90	23.15
368	1.86	1.41	1.05	0.90	1.53	1.96	1.21	1.18	1.14	1.40	1.55	1.59	6.33	17.24
369	1.84	1.37	1.00	0.86	1.46	1.89	1.20	1.16	1.13	1.38	1.52	1.55	5.26	16.87
370	1.97	1.47	1.07	0.93	1.55	2.00	1.24	1.21	1.21	1.47	1.63	1.68	5.62	17.93
371	1.92	1.41	0.99	0.87	1.44	1.88	1.21	1.18	1.18	1.44	1.58	1.61	5.48	17.24
372	1.85	1.37	0.99	0.86	1.44	1.87	1.21	1.17	1.14	1.40	1.53	1.57	5.28	16.86
373	1.91	1.41	1.02	0.89	1.47	1.92	1.24	1.20	1.19	1.45	1.58	1.66	5.44	17.38
374	1.98	1.45	1.02	0.90	1.47	1.92	1.24	1.21	1.22	1.49	1.63	1.70	5.64	17.73
375	1.99	1.44	1.00	0.88	1.41	1.87	1.24	1.20	1.23	1.51	1.63	1.71	5.64	17.61
376	2.00	1.48	1.08	0.93	1.53	1.92	1.28	1.24	1.25	1.51	1.65	1.78	5.69	18.15
377	2.28	1.73	1.35	1.15	1.79	2.30	1.42	1.41	1.44	1.72	1.89	2.17	8.41	21.00
378	2.02	1.45	1.00	0.88	1.40	1.86	1.25	1.21	1.25	1.53	1.65	1.77	5.70	17.75
379	2.16	1.57	1.12	0.98	1.56	2.05	1.32	1.29	1.34	1.64	1.77	1.97	6.10	19.18
380	2.29	1.73	1.35	1.16	1.78	2.30	1.43	1.42	1.45	1.74	1.90	2.23	8.44	21.06
381	2.16	1.59	1.18	1.02	1.61	2.11	1.36	1.33	1.35	1.64	1.77	2.06	6.11	19.47
382	2.27	1.67	1.23	1.07	1.66	2.18	1.39	1.36	1.43	1.73	1.87	2.17	8.32	20.35
383	2.43	1.81	1.37	1.19	1.80	2.34	1.47	1.45	1.53	1.85	2.00	2.43	8.91	21.91
384	2.26	1.68	1.28	1.11	1.71	2.23	1.42	1.39	1.43	1.73	1.86	2.26	8.29	20.59
385	2.31	1.71	1.32	1.15	1.74	2.29	1.46	1.42	1.47	1.77	1.90	2.39	8.43	21.06
386	2.72	2.07	1.68	1.45	2.04	2.62	1.63	1.63	1.74	2.07	2.26	2.93	11.58	24.76
387	2.70	2.05	1.66	1.44	2.02	2.62	1.64	1.63	1.74	2.07	2.24	2.99	11.50	24.65
388	2.28	1.68	1.30	1.13	1.72	2.26	1.46	1.42	1.47	1.77	1.88	2.43	8.34	20.86
389	2.25	1.65	1.27	1.12	1.68	2.23	1.46	1.41	1.46	1.76	1.85	2.47	8.20	20.57
390	2.73	2.06	1.69	1.47	2.04	2.65	1.67	1.65	1.76	2.10	2.26	3.11	11.62	24.97
391	2.26	1.63	1.21	1.08	1.59	2.14	1.44	1.38	1.47	1.79	1.85	2.52	6.12	20.26
392	2.38	1.77	1.42	1.25	1.82	2.40	1.55	1.50	1.56	1.87	1.96	2.75	8.69	22.05
393	2.27	1.92	1.78	1.72	2.15	2.67	1.26	1.27	1.40	1.69	2.17	2.56	10.58	22.73
394	2.20	1.86	1.73	1.69	2.14	2.67	1.24	1.25	1.37	1.65	2.09	2.47	10.21	22.33
395	2.00	1.68	1.54	1.52	2.02	2.53	1.16	1.15	1.26	1.53	1.91	2.21	9.27	20.44
396	2.20	1.86	1.72	1.66	2.11	2.63	1.24	1.25	1.37	1.66	2.10	2.48	10.26	22.18
397	2.15	1.82	1.68	1.61	2.08	2.59	1.23	1.24	1.35	1.63	2.05	2.42	10.02	21.76
398	1.92	1.60	1.46	1.45	1.97	2.47	1.13	1.12	1.22	1.48	1.83	2.11	8.87	19.71
399	1.99	1.67	1.55	1.51	2.02	2.52	1.19	1.18	1.28	1.54	1.89	2.22	9.24	20.47
400	2.14	1.81	1.68	1.60	2.08	2.57	1.24	1.25	1.35	1.63	2.03	2.42	9.95	21.67
401	2.90	2.53	2.53	2.24	2.46	2.99	1.70	1.81	1.92	2.23	2.67	3.54	13.70	29.04
402	2.11	1.79	1.71	1.58	2.09	2.57	1.30	1.34	1.41	1.68	1.96	2.42	9.82	21.79
403	2.28	1.95	1.89	1.71	2.18	2.67	1.40	1.46	1.54	1.91	2.10	2.65	10.64	23.40
404	2.78	2.41	2.40	2.12	2.40	2.91	1.64	1.75	1.85	2.15	2.55	3.36	13.09	27.90
405	2.75	2.38	2.37	2.08	2.38	2.89	1.64	1.74	1.84	2.13	2.51	3.31	12.93	27.63
406	2.18	1.85	1.77	1.60	2.11	2.59	1.35	1.40	1.47	1.74	1.99	2.49	10.10	22.35
407	1.98	1.66	1.55	1.41	1.98	2.43	1.25	1.29	1.35	1.60	1.81	2.19	9.13	20.43
408	2.75	2.38	2.36	2.06	2.38	2.98	1.64	1.75	1.84	2.14	2.50	3.29	12.99	27.58
409	2.61	2.15	1.90	1.59	2.12	2.58	1.50	1.62	1.69	1.98	2.23	2.60	11.66	24.74
410	2.62	2.14	1.84	1.55	2.10	2.57	1.47	1.59	1.69	1.97	2.21	2.51	11.60	24.55
411	2.73	2.22	1.91	1.60	2.14	2.61	1.51	1.64	1.74	2.04	2.29	2.60	12.03	25.31
412	2.63	2.15	1.89	1.58	2.12	2.59	1.51	1.62	1.69	1.97	2.23	2.59	11.68	24.77
413	2.36	1.89	1.58	1.33	1.94	2.39	1.37	1.45	1.50	1.77	1.99	2.17	10.32	22.06
414	2.56	2.04	1.68	1.41	2.01	2.43	1.42	1.52	1.61	1.89	2.12	2.30	11.11	23.45
415	2.56	2.03	1.64	1.38	2.00	2.46	1.41	1.51	1.59	1.88	2.11	2.26	11.05	23.28
416	2.40	1.92	1.59	1.34	1.96	2.41	1.39	1.46	1.52	1.79	2.01	2.20	10.47	22.56
417	2.98	2.45	2.18	1.81	2.29	2.79	1.69	1.81	1.89	2.20	2.52	2.99	13.25	27.73
418	2.88	2.32	1.94	1.63	2.18	2.68	1.57	1.69	1.79	2.10	2.39	2.68	12.56	26.19
419	3.27	2.66	2.30	1.92	2.37	2.90	1.76	1.90	2.03	2.36	2.71	3.18	14.37	29.61
420	3.15	2.59	2.32	1.94	2.37	2.89	1.78	1.90	2.00	2.31	2.66	3.21	14.03	29.21
421	3.04	2.48	2.18	1.82	2.30	2.83	1.72	1.82	1.91	2.22	2.56	3.04	13.44	28.07
422	3.20	2.59	2.20	1.84	2.32	2.86	1.73	1.85	1.98	2.31	2.65	3.07	14.02	29.91
423	3.16	2.54	2.14	1.79	2.30	2.83	1.71	1.82	1.95	2.28	2.62	3.02	13.78	28.47
424	3.09	2.51	2.21	1.85	2.33	2.86	1.75	1.85	1.94	2.26	2.60	3.12	13.64	28.48
425	3.20	2.60	2.30	1.93	2.39	2.93	1.81	1.91	2.01	2.33	2.69	3.27	14.12	29.42
426	3.16	2.52	2.11	1.77	2.39	2.83	1.71	1.81	1.94	2.27	2.61	3.02	13.72	28.35

TABLE D-17 5 KM GRID SQUARE ESTIMATED PRECIPITATION DATA (CONT'D.)
GROUP N MEAN MONTHLY AND ANNUAL PRECIPITATION (IN)

SQN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	WPREC	APREC
427	3.20	2.55	2.14	1.80	2.31	2.86	1.74	1.84	1.97	2.31	2.65	3.10	13.92	28.74
428	3.10	2.49	2.17	1.82	2.32	2.96	1.76	1.84	1.94	2.26	2.60	3.12	13.58	28.39
429	2.36	1.79	1.37	1.18	1.83	2.32	1.38	1.39	1.45	1.73	1.94	2.11	9.95	21.23
430	2.60	1.97	1.47	1.27	1.91	2.43	1.43	1.46	1.57	1.88	2.12	2.27	10.93	22.87
431	2.47	1.84	1.32	1.15	1.78	2.23	1.37	1.39	1.49	1.80	2.01	2.12	9.06	21.64
432	2.17	1.61	1.15	1.00	1.62	2.09	1.29	1.28	1.33	1.61	1.78	1.86	6.19	19.33
433	2.30	1.71	1.26	1.09	1.72	2.22	1.35	1.35	1.42	1.71	1.89	2.05	8.45	20.58
434	2.89	2.21	1.74	1.49	2.09	2.64	1.59	1.63	1.77	2.11	2.38	2.73	12.31	25.64
435	3.05	2.34	1.88	1.61	2.18	2.75	1.67	1.72	1.88	2.24	2.52	2.97	13.04	27.08
436	2.35	1.73	1.28	1.11	1.73	2.24	1.37	1.37	1.45	1.75	1.93	2.12	8.60	20.90
437	2.37	1.74	1.28	1.12	1.73	2.24	1.39	1.38	1.47	1.77	1.95	2.18	8.68	21.05
438	3.41	2.66	2.24	1.90	2.38	2.99	1.85	1.94	2.13	2.50	2.84	3.51	14.75	30.44
439	2.75	2.05	1.53	1.33	1.94	2.50	1.52	1.54	1.70	2.05	2.26	2.64	11.55	24.13
440	2.21	1.58	1.08	0.96	1.49	1.98	1.30	1.27	1.36	1.67	1.80	1.99	6.23	19.15
441	2.26	1.62	1.11	0.98	1.51	2.01	1.33	1.30	1.39	1.71	1.83	2.08	6.35	19.52
442	2.41	1.71	1.13	1.01	1.53	2.04	1.34	1.32	1.46	1.80	1.94	2.18	6.75	20.34
443	2.44	1.72	1.14	1.03	1.53	2.05	1.36	1.33	1.49	1.83	1.96	2.27	6.81	20.52
444	2.37	1.71	1.21	1.07	1.63	2.16	1.39	1.36	1.47	1.80	1.93	2.30	6.68	20.72
445	2.50	1.83	1.35	1.19	1.77	2.33	1.47	1.45	1.57	1.91	2.05	2.55	9.12	22.16
446	2.47	1.75	1.18	1.06	1.56	2.10	1.39	1.36	1.52	1.88	2.00	2.40	6.92	20.97
447	2.49	1.76	1.19	1.08	1.56	2.11	1.41	1.37	1.55	1.91	2.01	2.50	6.96	21.14
448	2.52	1.83	1.36	1.21	1.78	2.35	1.49	1.46	1.59	1.93	2.06	2.66	9.16	22.34
449	3.11	2.57	2.28	1.91	2.34	2.84	1.68	1.85	2.00	2.31	2.62	3.08	13.86	28.79
450	3.71	3.09	2.83	2.37	2.60	3.15	1.96	2.18	2.38	2.73	3.12	3.83	16.64	34.01
451	3.44	2.82	2.47	2.06	2.44	2.97	1.79	1.98	2.17	2.51	2.85	3.34	15.21	31.15
452	2.98	2.43	2.08	1.74	2.24	2.74	1.60	1.75	1.89	2.20	2.48	2.82	13.12	27.27
453	2.99	2.42	2.04	1.71	2.23	2.73	1.59	1.73	1.87	2.19	2.48	2.78	13.09	27.14
454	3.43	2.80	2.39	1.99	2.41	2.94	1.76	1.95	2.14	2.49	2.83	3.24	15.09	30.77
455	3.50	2.83	2.38	1.99	2.41	2.95	1.77	1.95	2.16	2.51	2.86	3.26	15.29	31.03
456	2.83	2.25	1.80	1.51	2.10	2.59	1.49	1.61	1.74	2.05	2.32	2.48	12.21	25.32
457	3.00	2.39	1.93	1.62	2.18	2.68	1.56	1.69	1.83	2.16	2.45	2.67	12.95	26.68
458	3.74	3.04	2.57	2.14	2.50	3.06	1.87	2.07	2.28	2.66	3.06	3.52	16.35	32.93
459	3.80	3.08	2.56	2.13	2.51	3.07	1.89	2.07	2.30	2.68	3.10	3.55	16.57	33.22
460	3.31	2.66	2.20	1.84	2.32	2.86	1.71	1.85	2.02	2.36	2.71	3.05	14.38	29.37
461	3.47	2.79	2.32	1.93	2.39	2.94	1.78	1.93	2.10	2.46	2.84	3.24	15.08	30.62
462	4.16	3.39	2.89	2.40	2.66	3.25	2.06	2.27	2.52	2.92	3.40	4.03	18.24	36.33
463	4.17	3.38	2.87	2.39	2.66	3.25	2.06	2.26	2.52	2.93	3.41	4.03	18.25	36.32
464	3.41	2.72	2.23	1.87	2.35	2.90	1.75	1.89	2.06	2.42	2.78	3.16	14.75	29.99
465	3.28	2.59	2.07	1.74	2.28	2.82	1.69	1.80	1.97	2.33	2.67	2.99	14.08	28.71
466	3.69	2.92	2.33	1.96	2.42	2.99	1.81	1.96	2.19	2.58	2.98	3.37	15.84	31.76
467	3.41	2.65	2.01	1.70	2.26	2.82	1.67	1.79	2.00	2.39	2.74	3.00	14.47	29.10
468	3.20	2.50	1.96	1.66	2.22	2.77	1.65	1.75	1.92	2.27	2.60	2.89	13.67	27.90
469	2.75	2.08	1.47	1.27	1.91	2.42	1.43	1.48	1.62	1.96	2.21	2.31	11.48	23.58
470	2.81	2.08	1.36	1.18	1.81	2.32	1.37	1.42	1.61	1.97	2.23	2.19	10.20	23.25
471	2.77	2.02	1.29	1.13	1.74	2.25	1.35	1.39	1.59	1.95	2.19	2.16	10.02	22.71
472	2.59	1.91	1.28	1.12	1.74	2.24	1.35	1.37	1.52	1.86	2.07	2.10	9.42	21.89
473	2.96	2.23	1.65	1.43	2.04	2.59	1.54	1.59	1.79	2.14	2.41	2.56	12.44	25.55
474	3.01	2.23	1.54	1.34	1.96	2.51	1.49	1.54	1.77	2.15	2.42	2.56	12.51	25.27
475	3.39	2.48	1.83	1.58	2.17	2.75	1.64	1.72	1.97	2.37	2.69	3.01	13.89	28.09
476	3.39	2.62	2.10	1.79	2.31	2.91	1.77	1.86	2.08	2.47	2.80	3.31	14.55	29.73
477	3.92	3.09	2.63	2.23	2.59	3.23	2.05	2.17	2.44	2.85	3.27	4.10	17.08	34.64
478	3.61	2.75	2.14	1.84	2.35	2.96	1.81	1.90	2.18	2.51	2.96	3.50	15.37	31.07
479	3.41	2.56	1.92	1.67	2.23	2.83	1.71	1.78	2.05	2.49	2.79	3.29	14.40	29.17
480	3.69	2.86	2.36	2.02	2.46	3.09	1.93	2.03	2.28	2.70	3.06	3.81	15.90	32.41
481	3.73	3.06	2.65	2.21	2.54	3.10	1.89	2.10	2.34	2.70	3.07	3.61	16.46	33.34
482	3.93	3.22	2.80	2.34	2.62	3.20	1.97	2.19	2.45	2.84	3.23	3.83	17.31	34.91
483	4.48	3.71	3.30	2.75	2.83	3.43	2.22	2.49	2.79	3.21	3.69	4.52	19.91	39.64
484	4.03	3.32	2.89	2.41	2.65	3.23	2.02	2.25	2.50	2.89	3.32	3.96	17.81	35.77
485	4.35	3.59	3.15	2.62	2.77	3.36	2.16	2.41	2.68	3.09	3.57	4.34	19.23	38.74
486	4.74	3.93	3.49	2.91	2.91	3.53	2.33	2.61	2.93	3.37	3.90	4.81	17.58	41.66
487	4.73	3.90	3.39	2.83	2.88	3.50	2.30	2.56	2.89	3.34	3.87	4.72	20.89	41.18
488	4.27	3.48	2.98	2.48	2.70	3.30	2.09	2.32	2.60	3.01	3.48	4.13	18.72	37.22
489	4.35	3.54	3.01	2.51	2.72	3.32	2.12	2.34	2.63	3.05	3.54	4.21	19.04	37.72
490	4.65	3.80	3.26	2.73	2.84	3.47	2.25	2.49	2.82	3.27	3.79	4.60	20.45	40.32
491	4.58	3.72	3.16	2.65	2.81	3.44	2.21	2.44	2.77	3.22	3.73	4.51	20.05	39.58
492	4.52	3.68	3.16	2.64	2.79	3.42	2.21	2.44	2.74	3.17	3.69	4.47	19.83	39.23
493	4.61	3.79	3.28	2.75	2.85	3.47	2.23	2.49	2.83	3.27	3.76	4.58	20.31	40.22
494	3.84	3.05	2.36	2.00	2.46	3.04	1.78	1.97	2.30	2.72	3.05	3.37	16.44	32.71
495	4.11	3.27	2.55	2.16	2.56	3.15	1.89	2.09	2.44	2.88	3.27	3.67	17.63	34.80
496	4.78	3.92	3.37	2.82	2.89	3.52	2.29	2.55	2.91	3.37	3.89	4.72	21.02	41.36
497	4.77	3.89	3.30	2.76	2.87	3.50	2.26	2.52	2.98	3.35	3.87	4.68	20.90	41.05
498	4.35	3.47	2.74	2.32	2.55	3.26	1.99	2.21	2.57	3.04	3.47	3.97	18.69	36.71
499	4.63	3.71	3.02	2.56	2.78	3.42	2.14	2.37	2.76	3.24	3.73	4.43	20.06	39.34
500	4.68	3.80	3.18	2.68	2.83	3.47	2.22	2.46	2.82	3.29	3.80	4.58	20.45	40.22

TABLE D-18 5 KM GRID SQUARE ESTIMATED ACTUAL EVAPOTRANSPIRATION DATA
GROUP N MEAN MONTHLY AND ANNUAL ACTUAL EVAPOTRANSPIRATION (IN)

SQN	ELEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	4633	0.0	0.0	0.0	1.19	2.66	3.47	3.67	3.61	2.29	1.69	0.0	0.0	17.43
2	5067	0.0	0.0	0.0	1.06	2.74	3.45	3.72	3.09	2.27	1.03	0.0	0.0	17.37
3	4544	0.0	0.0	0.0	1.21	2.92	3.50	3.69	3.00	2.17	1.10	0.0	0.0	17.48
4	4033	0.0	0.0	0.0	1.34	2.89	3.53	3.62	2.91	2.07	1.16	0.0	0.0	17.53
5	4056	0.0	0.0	0.0	1.33	2.88	3.51	3.61	2.90	2.07	1.15	0.0	0.0	17.45
6	4378	0.0	0.0	0.0	1.25	2.85	3.52	3.68	2.98	2.13	1.11	0.0	0.0	17.52
7	4611	0.0	0.0	0.0	1.18	2.82	3.51	3.71	3.03	2.18	1.08	0.0	0.0	17.51
8	4456	0.0	0.0	0.0	1.23	2.84	3.51	3.68	3.00	2.16	1.10	0.0	0.0	17.52
9	4956	0.0	0.0	0.0	1.08	2.77	3.48	3.74	3.09	2.26	1.03	0.0	0.0	17.44
10	5000	0.0	0.0	0.0	1.06	2.77	3.48	3.75	3.10	2.26	1.02	0.0	0.0	17.45
11	5400	0.0	0.0	0.0	0.92	2.71	3.45	3.79	3.17	2.32	0.95	0.0	0.0	17.32
12	5333	0.0	0.0	0.0	0.95	2.72	3.45	3.77	3.16	2.32	0.96	0.0	0.0	17.34
13	5400	0.0	0.0	0.0	0.96	2.69	3.42	3.75	3.14	2.33	0.99	0.0	0.0	17.27
14	5656	0.0	0.0	0.0	0.86	2.65	3.39	3.78	3.18	2.36	0.95	0.0	0.0	17.17
15	5456	0.0	0.0	0.0	0.94	2.68	3.42	3.77	3.15	2.32	0.98	0.0	0.0	17.26
16	5600	0.0	0.0	0.0	0.88	2.66	3.40	3.77	3.17	2.36	0.95	0.0	0.0	17.19
17	5589	0.0	0.0	0.0	0.88	2.67	3.41	3.78	3.17	2.35	0.95	0.0	0.0	17.21
18	5667	0.0	0.0	0.0	0.85	2.65	3.40	3.79	3.19	2.36	0.94	0.0	0.0	17.18
19	5056	0.0	0.0	0.0	1.06	2.75	3.47	3.76	3.10	2.25	1.03	0.0	0.0	17.41
20	5078	0.0	0.0	0.0	1.05	2.75	3.46	3.75	3.10	2.26	1.02	0.0	0.0	17.40
21	4333	0.0	0.0	0.0	1.26	2.85	3.53	3.69	2.97	2.11	1.12	0.0	0.0	17.54
22	4367	0.0	0.0	0.0	1.25	2.85	3.53	3.71	2.98	2.11	1.11	0.0	0.0	17.55
23	4867	0.0	0.0	0.0	1.11	2.79	3.50	3.76	3.08	2.22	1.04	0.0	0.0	17.49
24	4511	0.0	0.0	0.0	1.21	2.83	3.52	3.72	3.01	2.15	1.09	0.0	0.0	17.54
25	4944	0.0	0.0	0.0	1.08	2.78	3.50	3.76	3.09	2.24	1.03	0.0	0.0	17.48
26	4889	0.0	0.0	0.0	1.10	2.79	3.51	3.77	3.09	2.22	1.04	0.0	0.0	17.50
27	5733	0.0	0.0	0.0	0.79	2.66	3.43	3.83	3.22	2.36	0.90	0.0	0.0	17.18
28	5667	0.0	0.0	0.0	0.82	2.67	3.43	3.81	3.21	2.36	0.91	0.0	0.0	17.21
29	5678	0.0	0.0	0.0	0.88	2.63	3.39	3.79	3.16	2.33	0.96	0.0	0.0	17.14
30	6178	0.0	0.19	0.0	0.65	2.55	3.32	3.83	3.23	2.40	0.87	0.0	0.0	17.05
31	6044	0.0	0.0	0.0	0.71	2.58	3.35	3.83	3.22	2.39	0.90	0.0	0.0	16.96
32	5756	0.0	0.0	0.0	0.84	2.63	3.38	3.80	3.18	2.35	0.95	0.0	0.0	17.12
33	5433	0.0	0.0	0.0	0.96	2.68	3.42	3.77	3.13	2.30	0.99	0.0	0.0	17.25
34	6144	0.0	0.12	0.0	0.65	2.56	3.34	3.83	3.24	2.40	0.87	0.0	0.0	17.02
35	6089	0.0	0.0	0.0	0.68	2.58	3.35	3.83	3.24	2.40	0.88	0.0	0.0	16.94
36	5733	0.0	0.0	0.0	0.84	2.63	3.39	3.80	3.18	2.36	0.94	0.0	0.0	17.14
37	5744	0.0	0.0	0.0	0.83	2.64	3.39	3.80	3.19	2.36	0.93	0.0	0.0	17.14
38	5500	0.0	0.0	0.0	0.92	2.68	3.42	3.80	3.15	2.31	0.97	0.0	0.0	17.26
39	4522	0.0	0.0	0.0	1.22	2.82	3.52	3.73	2.99	2.12	1.11	0.0	0.0	17.50
40	5211	0.0	0.0	0.0	1.02	2.72	3.45	3.77	3.11	2.27	1.01	0.0	0.0	17.35
41	4878	0.0	0.0	0.0	1.12	2.77	3.49	3.75	3.06	2.21	1.06	0.0	0.0	17.45
42	3956	0.0	0.0	0.0	1.71	3.54	4.46	4.08	2.68	1.80	1.52	0.0	0.0	19.89
43	4267	0.0	0.0	0.0	1.28	2.87	3.55	3.72	2.95	2.07	1.13	0.0	0.0	17.57
44	4211	0.0	0.0	0.0	1.30	2.87	3.55	3.70	2.94	2.07	1.14	0.0	0.0	17.56
45	4111	0.0	0.0	0.0	1.31	2.89	3.55	3.69	2.92	2.04	1.15	0.0	0.0	17.56
46	4933	0.0	0.0	0.0	1.09	2.77	3.50	3.78	3.08	2.21	1.04	0.0	0.0	17.49
47	4678	0.0	0.0	0.0	1.16	2.82	3.53	3.77	3.04	2.16	1.07	0.0	0.0	17.56
48	4856	0.0	0.0	0.0	1.11	2.79	3.51	3.77	3.07	2.21	1.05	0.0	0.0	17.51
49	4722	0.0	0.0	0.0	1.15	2.81	3.53	3.77	3.06	2.18	1.06	0.0	0.0	17.56
50	4333	0.0	0.0	0.0	1.25	2.87	3.57	3.75	2.99	2.09	1.11	0.0	0.0	17.63
51	4533	0.0	0.0	0.0	1.20	2.84	3.56	3.78	3.03	2.13	1.08	0.0	0.0	17.62
52	5144	0.0	0.0	0.0	1.01	2.75	3.50	3.81	3.13	2.26	0.99	0.0	0.0	17.46
53	5333	0.0	0.0	0.0	0.94	2.73	3.49	3.80	3.17	2.29	0.96	0.0	0.0	17.40
54	5044	0.0	0.0	0.0	1.04	2.77	3.52	3.82	3.13	2.24	1.00	0.0	0.0	17.52
55	5233	0.0	0.0	0.0	0.97	2.75	3.50	3.84	3.16	2.27	0.97	0.0	0.0	17.46
56	4933	0.0	0.0	0.0	1.07	2.79	3.53	3.81	3.11	2.22	1.01	0.0	0.0	17.55
57	3322	0.0	0.0	0.22	1.51	3.00	3.67	3.40	2.22	1.47	1.31	0.0	0.0	16.80
58	2167	0.0	0.0	0.32	1.21	2.27	2.79	2.59	1.67	1.07	1.00	0.04	0.0	12.97
59	3144	0.0	0.0	0.05	1.48	2.92	3.57	3.32	2.17	1.43	1.27	0.0	0.0	16.21
60	2811	0.0	0.0	0.12	1.37	2.64	3.24	3.01	1.96	1.28	1.16	0.0	0.0	14.79
61	4011	0.0	0.0	0.0	1.72	3.62	4.44	4.11	2.70	1.82	1.55	0.0	0.0	19.96
62	3444	0.0	0.0	0.0	1.58	3.18	3.90	3.61	2.37	1.57	1.38	0.0	0.0	17.59
63	3233	0.0	0.0	0.0	1.51	3.01	3.69	3.42	2.24	1.48	1.31	0.0	0.0	16.65
64	4644	0.0	0.0	0.0	1.21	2.79	3.50	3.74	2.96	2.10	1.12	0.0	0.0	17.42
65	5067	0.0	0.0	0.0	1.09	2.73	3.46	3.78	3.05	2.20	1.06	0.0	0.0	17.37
66	4111	0.0	0.0	0.0	1.34	2.87	3.55	3.70	2.86	1.97	1.18	0.0	0.0	17.47
67	3700	0.0	0.0	0.0	1.63	3.37	4.12	3.81	2.50	1.67	1.44	0.0	0.0	18.53
68	4644	0.0	0.0	0.0	1.15	2.77	3.49	3.76	3.02	2.16	1.08	0.0	0.0	17.42
69	5600	0.0	0.0	0.0	0.90	2.65	3.41	3.82	3.16	2.32	0.97	0.0	0.0	17.23
70	4044	0.0	0.0	0.0	1.73	3.67	4.50	4.14	2.72	1.83	1.55	0.0	0.0	20.14
71	3356	0.0	0.0	0.0	1.54	3.11	3.81	3.51	2.30	1.52	1.33	0.0	0.0	17.11

TABLE D-18 5 KM GRID SQUARE ESTIMATED ACTUAL EVAPOTRANSPIRATION DATA (CONT'D)
GROUP N MEAN MONTHLY AND ANNUAL ACTUAL EVAPOTRANSPIRATION (IN)

SQN	ELEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
72	5000	0.0	0.0	0.0	1.03	2.72	3.46	3.70	3.10	2.25	1.03	0.0	0.0	17.37
73	4678	0.0	0.0	0.0	1.18	2.80	3.51	3.75	3.01	2.14	1.09	0.0	0.0	17.48
74	3322	0.0	0.0	0.0	1.53	3.09	3.70	3.40	2.28	1.51	1.32	0.0	0.0	17.01
75	3156	0.0	0.0	0.0	1.49	2.93	3.65	3.36	2.19	1.44	1.28	0.0	0.0	16.39
76	3811	0.0	0.0	0.0	1.67	3.50	4.28	3.93	2.57	1.72	1.47	0.0	0.0	19.14
77	3800	0.0	0.0	0.0	1.67	3.50	4.29	3.93	2.58	1.72	1.47	0.0	0.0	19.16
78	3189	0.0	0.0	0.0	1.50	3.02	3.70	3.39	2.22	1.46	1.29	0.0	0.0	16.58
79	2933	0.0	0.0	0.01	1.43	2.83	3.47	3.18	2.07	1.35	1.21	0.0	0.0	15.55
80	4278	0.0	0.0	0.0	1.28	2.86	3.56	3.73	2.95	2.06	1.13	0.0	0.0	17.57
81	4089	0.0	0.0	0.0	1.32	2.90	3.57	3.72	2.92	2.02	1.15	0.0	0.0	17.59
82	2711	0.0	0.0	0.05	1.38	2.70	3.31	3.03	1.97	1.29	1.15	0.0	0.0	14.87
83	2856	0.0	0.0	0.01	1.43	2.83	3.46	3.17	2.06	1.34	1.20	0.0	0.0	15.51
84	3900	0.0	0.0	0.0	1.71	3.66	4.48	4.08	2.67	1.79	1.52	0.0	0.0	19.92
85	3767	0.0	0.0	0.0	1.68	3.57	4.37	3.98	2.60	1.73	1.48	0.0	0.0	19.41
86	3200	0.0	0.0	0.0	1.53	3.12	3.81	3.48	2.27	1.49	1.31	0.0	0.0	17.01
87	3767	0.0	0.0	0.0	1.69	3.60	4.40	4.00	2.61	1.74	1.49	0.0	0.0	19.52
88	3856	0.0	0.0	0.0	1.71	3.67	4.49	4.08	2.67	1.78	1.51	0.0	0.0	19.92
89	4411	0.0	0.0	0.0	1.22	2.87	3.58	3.79	3.02	2.10	1.09	0.0	0.0	17.68
90	4344	0.0	0.0	0.0	1.24	2.88	3.60	3.80	3.01	2.08	1.10	0.0	0.0	17.71
91	4656	0.0	0.0	0.0	1.15	2.84	3.58	3.83	3.07	2.15	1.05	0.0	0.0	17.68
92	5144	0.0	0.0	0.0	1.00	2.76	3.52	3.85	3.15	2.25	0.98	0.0	0.0	17.52
93	4878	0.0	0.0	0.0	1.08	2.81	3.56	3.84	3.11	2.20	1.01	0.0	0.0	17.62
94	5144	0.0	0.0	0.0	1.00	2.77	3.53	3.86	3.16	2.25	0.97	0.0	0.0	17.54
95	5256	0.0	0.0	0.0	0.95	2.76	3.52	3.87	3.18	2.27	0.95	0.0	0.0	17.51
96	4733	0.0	0.0	0.0	1.12	2.83	3.58	3.83	3.10	2.18	1.03	0.0	0.0	17.68
97	4911	0.0	0.0	0.0	1.06	2.81	3.57	3.85	3.14	2.22	1.00	0.0	0.0	17.65
98	5133	0.0	0.0	0.0	0.99	2.78	3.55	3.88	3.18	2.26	0.96	0.0	0.0	17.59
99	4811	0.0	0.0	0.0	1.08	2.83	3.59	3.87	3.14	2.21	1.01	0.0	0.0	17.73
100	4767	0.0	0.0	0.0	1.10	2.84	3.59	3.85	3.12	2.20	1.01	0.0	0.0	17.71
101	4978	0.0	0.0	0.0	1.03	2.81	3.57	3.87	3.17	2.25	0.97	0.0	0.0	17.67
102	5356	0.0	0.0	0.0	0.89	2.75	3.53	3.89	3.22	2.31	0.91	0.0	0.0	17.51
103	5033	0.0	0.0	0.0	1.00	2.81	3.58	3.88	3.19	2.27	0.96	0.0	0.0	17.68
104	4400	0.0	0.0	0.0	1.19	2.90	3.64	3.84	3.09	2.15	1.05	0.0	0.0	17.86
105	3222	0.0	0.0	0.03	1.54	3.03	3.72	3.46	2.27	1.50	1.33	0.0	0.0	16.87
106	4078	0.0	0.0	0.0	1.37	2.87	3.57	3.74	2.85	1.97	1.20	0.0	0.0	17.57
107	4144	0.0	0.0	0.0	1.35	2.86	3.57	3.75	2.87	1.99	1.19	0.0	0.0	17.57
108	3678	0.0	0.0	0.0	1.68	3.42	4.19	3.89	2.56	1.71	1.49	0.0	0.0	18.94
109	3156	0.0	0.0	0.07	1.50	2.95	3.62	3.36	2.20	1.45	1.29	0.0	0.0	16.44
110	3411	0.0	0.0	0.0	1.60	3.19	3.91	3.63	2.39	1.53	1.39	0.0	0.0	17.69
111	3322	0.0	0.0	0.01	1.55	3.08	3.79	3.50	2.30	1.52	1.34	0.0	0.0	17.08
112	4189	0.0	0.0	0.0	1.33	2.86	3.55	3.73	2.87	1.99	1.18	0.0	0.0	17.51
113	3889	0.0	0.0	0.0	1.71	3.56	4.37	4.04	2.66	1.79	1.53	0.0	0.0	19.67
114	2978	0.0	0.0	0.11	1.41	2.75	3.37	3.12	2.04	1.33	1.20	0.0	0.0	15.33
115	2644	0.0	0.0	0.15	1.35	2.69	3.31	3.02	1.92	1.25	1.17	0.0	0.0	14.46
116	3178	0.0	0.0	0.00	1.49	2.95	3.61	3.35	2.19	1.45	1.28	0.0	0.0	16.33
117	3367	0.0	0.0	0.0	1.56	3.12	3.83	3.54	2.32	1.54	1.35	0.0	0.0	17.25
118	2411	0.0	0.0	0.14	1.28	2.44	2.99	2.77	1.80	1.16	1.07	0.01	0.0	13.68
119	2967	0.0	0.0	0.04	1.43	2.81	3.45	3.19	2.08	1.36	1.22	0.0	0.0	15.58
120	3256	0.0	0.0	0.0	1.52	3.04	3.72	3.44	2.25	1.49	1.31	0.0	0.0	16.77
121	3067	0.0	0.0	0.0	1.47	2.91	3.56	3.29	2.15	1.41	1.26	0.0	0.0	16.04
122	2633	0.0	0.0	0.09	1.34	2.60	3.18	2.94	1.91	1.24	1.13	0.0	0.0	14.45
123	2533	0.0	0.0	0.12	1.32	2.54	3.12	2.88	1.87	1.21	1.10	0.0	0.0	14.16
124	3000	0.0	0.0	0.01	1.44	2.84	3.47	3.20	2.09	1.37	1.22	0.0	0.0	15.65
125	2433	0.0	0.0	0.13	1.28	2.46	3.02	2.78	1.80	1.16	1.07	0.00	0.0	13.71
126	1911	0.0	0.0	0.18	1.17	2.20	2.70	2.49	1.61	1.02	0.96	0.06	0.0	12.39
127	1589	0.0	0.0	0.21	1.11	2.06	2.53	2.33	1.50	0.94	0.90	0.08	0.0	11.65
128	2378	0.0	0.0	0.14	1.27	2.44	2.99	2.75	1.79	1.15	1.06	0.01	0.0	13.60
129	2478	0.0	0.0	0.12	1.30	2.52	3.08	2.83	1.84	1.19	1.08	0.0	0.0	13.96
130	1511	0.0	0.0	0.21	1.10	2.04	2.51	2.31	1.49	0.93	0.89	0.09	0.0	11.57
131	2089	0.0	0.0	0.17	1.23	2.34	2.87	2.63	1.70	1.09	1.01	0.04	0.0	13.08
132	1822	0.0	0.0	0.18	1.15	2.17	2.66	2.45	1.58	1.00	0.94	0.06	0.0	12.18
133	1544	0.0	0.0	0.20	1.10	2.06	2.53	2.32	1.49	0.94	0.89	0.08	0.0	11.62
134	2367	0.0	0.0	0.12	1.31	2.53	3.10	2.85	1.84	1.19	1.09	0.00	0.0	14.04
135	1522	0.0	0.0	0.20	1.13	2.12	2.60	2.38	1.53	0.96	0.91	0.09	0.0	11.91
136	1933	0.0	0.0	0.16	1.20	2.27	2.78	2.55	1.64	1.04	0.98	0.05	0.0	12.67
137	2556	0.0	0.0	0.08	1.36	2.66	3.25	2.97	1.93	1.25	1.13	0.0	0.0	14.61
138	2100	0.0	0.0	0.15	1.27	2.43	2.97	2.72	1.75	1.12	1.04	0.04	0.0	13.49
139	3178	0.0	0.0	0.0	1.56	3.17	3.88	3.53	2.30	1.51	1.33	0.0	0.0	17.29
140	3800	0.0	0.0	0.0	1.70	3.63	4.44	4.03	2.64	1.76	1.50	0.0	0.0	19.69
141	4322	0.0	0.0	0.0	1.25	2.88	3.61	3.81	3.01	2.07	1.10	0.0	0.0	17.73
142	4267	0.0	0.0	0.0	1.26	2.89	3.62	3.82	3.02	2.08	1.11	0.0	0.0	17.80

TABLE D-18 5 KM GRID SQUARE ESTIMATED ACTUAL EVAPOTRANSPIRATION DATA (CONT'D)
GROUP N MEAN MONTHLY AND ANNUAL ACTUAL EVAPOTRANSPIRATION (IN)

SQN	ELEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
143	4278	0.0	0.0	0.0	1.26	2.98	3.63	3.83	3.03	2.09	1.10	0.0	0.0	17.93
144	4167	0.0	0.0	0.0	1.23	2.88	3.61	3.82	3.03	2.09	1.09	0.0	0.0	17.75
145	5089	0.0	0.0	0.0	1.01	2.78	3.54	3.87	3.16	2.24	0.98	0.0	0.0	17.58
146	4167	0.0	0.0	0.0	1.28	2.92	3.64	3.83	3.02	2.07	1.11	0.0	0.0	17.97
147	4656	0.0	0.0	0.0	1.14	2.85	3.60	3.87	3.11	2.18	1.04	0.0	0.0	17.79
148	5311	0.0	0.0	0.0	0.93	2.75	3.52	3.89	3.20	2.28	0.94	0.0	0.0	17.51
149	5267	0.0	0.0	0.0	0.94	2.76	3.53	3.89	3.20	2.28	0.94	0.0	0.0	17.54
150	4911	0.0	0.0	0.0	1.06	2.82	3.58	3.89	3.16	2.23	1.00	0.0	0.0	17.73
151	4678	0.0	0.0	0.0	1.12	2.85	3.61	3.88	3.13	2.20	1.02	0.0	0.0	17.83
152	4922	0.0	0.0	0.0	1.05	2.82	3.58	3.88	3.16	2.23	0.99	0.0	0.0	17.70
153	5456	0.0	0.0	0.0	0.89	2.76	3.53	3.90	3.22	2.30	0.91	0.0	0.0	17.62
154	5273	0.0	0.0	0.0	0.90	2.76	3.54	3.91	3.23	2.31	0.92	0.0	0.0	17.58
155	5044	0.0	0.0	0.0	1.00	2.81	3.58	3.91	3.21	2.28	0.96	0.0	0.0	17.74
156	5311	0.0	0.0	0.0	0.89	2.76	3.54	3.91	3.23	2.31	0.91	0.0	0.0	17.55
157	5133	0.0	0.0	0.0	0.92	2.78	3.56	3.91	3.23	2.30	0.92	0.0	0.0	17.63
158	5278	0.0	0.0	0.0	0.91	2.78	3.56	3.92	3.24	2.32	0.91	0.0	0.0	17.64
159	5089	0.0	0.0	0.0	0.90	2.78	3.56	3.92	3.25	2.33	0.90	0.0	0.0	17.65
160	4756	0.0	0.0	0.0	1.08	2.86	3.63	3.89	3.17	2.24	0.99	0.0	0.0	17.86
161	4300	0.0	0.0	0.0	1.20	2.93	3.68	3.88	3.12	2.17	1.04	0.0	0.0	18.03
162	4500	0.0	0.0	0.0	1.02	2.84	3.62	3.92	3.21	2.29	0.96	0.0	0.0	17.86
163	4211	0.0	0.0	0.0	1.22	2.95	3.71	3.89	3.12	2.18	1.05	0.0	0.0	18.13
164	3678	0.0	0.0	0.0	1.35	3.03	3.74	3.84	3.03	2.07	1.12	0.0	0.0	18.17
165	2744	0.0	0.0	0.22	1.42	2.71	3.33	3.11	2.03	1.32	1.21	0.0	0.0	15.35
166	1989	0.0	0.0	0.27	1.22	2.26	2.78	2.60	1.68	1.07	1.01	0.06	0.0	12.96
167	1767	0.0	0.0	0.26	1.17	2.15	2.65	2.48	1.60	1.01	0.96	0.08	0.0	12.36
168	2300	0.0	0.0	0.22	1.30	2.43	2.99	2.79	1.81	1.17	1.08	0.03	0.0	13.83
169	2867	0.0	0.0	0.17	1.44	2.78	3.41	3.18	2.08	1.36	1.23	0.0	0.0	15.65
170	1756	0.0	0.0	0.25	1.16	2.14	2.63	2.46	1.59	1.01	0.95	0.08	0.0	12.29
171	1411	0.0	0.0	0.27	1.09	1.99	2.46	2.30	1.48	0.93	0.89	0.10	0.0	11.51
172	2289	0.0	0.0	0.21	1.28	2.41	2.96	2.76	1.79	1.15	1.07	0.03	0.0	13.67
173	1778	0.0	0.0	0.24	1.16	2.14	2.63	2.45	1.58	1.00	0.95	0.08	0.0	12.23
174	1822	0.0	0.0	0.24	1.17	2.17	2.66	2.49	1.61	1.02	0.96	0.07	0.0	12.40
175	1911	0.0	0.0	0.23	1.19	2.21	2.71	2.53	1.63	1.04	0.98	0.07	0.0	12.59
176	1611	0.0	0.0	0.25	1.12	2.05	2.53	2.36	1.52	0.96	0.91	0.09	0.0	11.78
177	1800	0.0	0.0	0.23	1.15	2.14	2.62	2.45	1.58	1.00	0.95	0.07	0.0	12.20
178	1533	0.0	0.0	0.23	1.19	2.22	2.72	2.53	1.64	1.04	0.98	0.06	0.0	12.63
179	2411	0.0	0.0	0.19	1.31	2.48	3.04	2.82	1.84	1.19	1.09	0.01	0.0	13.97
180	1956	0.0	0.0	0.22	1.18	2.21	2.71	2.52	1.63	1.04	0.97	0.06	0.0	12.54
181	1956	0.0	0.0	0.20	1.18	2.21	2.71	2.52	1.63	1.04	0.97	0.06	0.0	12.52
182	2211	0.0	0.0	0.18	1.26	2.37	2.90	2.70	1.75	1.12	1.04	0.04	0.0	13.35
183	2444	0.0	0.0	0.18	1.31	2.51	3.07	2.85	1.85	1.20	1.10	0.01	0.0	14.06
184	1878	0.0	0.0	0.21	1.16	2.16	2.65	2.46	1.59	1.01	0.95	0.07	0.0	12.28
185	1722	0.0	0.0	0.22	1.13	2.09	2.57	2.38	1.54	0.97	0.92	0.08	0.0	11.89
186	2533	0.0	0.0	0.0	1.44	3.07	3.76	3.40	2.20	1.30	1.27	0.0	0.0	16.27
187	3667	0.0	0.0	0.0	1.67	3.43	4.20	3.88	2.54	1.70	1.47	0.0	0.0	18.88
188	1611	0.0	0.0	0.19	1.15	2.14	2.63	2.44	1.57	1.00	0.94	0.07	0.0	12.14
189	1589	0.0	0.0	0.21	1.11	2.06	2.53	2.34	1.51	0.95	0.90	0.08	0.0	11.68
190	3000	0.0	0.0	0.00	1.48	2.92	3.58	3.30	2.16	1.42	1.26	0.0	0.0	16.12
191	2800	0.0	0.0	0.07	1.43	2.80	3.43	3.16	2.06	1.34	1.21	0.0	0.0	15.51
192	1389	0.0	0.0	0.21	1.08	1.99	2.44	2.26	1.45	0.91	0.87	0.00	0.0	11.31
193	1467	0.0	0.0	0.22	1.10	2.03	2.50	2.31	1.48	0.93	0.89	0.09	0.0	11.54
194	2367	0.0	0.0	0.0	1.60	3.25	3.97	3.66	2.39	1.58	1.39	0.0	0.0	17.84
195	3833	0.0	0.0	0.0	1.73	3.64	4.46	4.09	2.68	1.79	1.53	0.0	0.0	19.93
196	1744	0.0	0.0	0.20	1.16	2.17	2.67	2.46	1.58	1.00	0.94	0.07	0.0	12.26
197	2511	0.0	0.0	0.13	1.35	2.61	3.20	2.94	1.91	1.23	1.13	0.0	0.0	14.51
198	4322	0.0	0.0	0.0	1.27	2.86	3.59	3.81	3.01	2.11	1.13	0.0	0.0	17.79
199	4211	0.0	0.0	0.0	1.30	2.98	3.60	3.80	3.00	2.09	1.14	0.0	0.0	17.81
200	3644	0.0	0.0	0.0	1.67	3.48	4.26	3.90	2.55	1.70	1.46	0.0	0.0	19.02
201	3733	0.0	0.0	0.0	1.70	3.58	4.38	4.00	2.62	1.74	1.50	0.0	0.0	19.51
202	3800	0.0	0.0	0.0	1.74	3.69	4.51	4.12	2.70	1.80	1.54	0.0	0.0	20.11
203	2033	0.0	0.0	0.17	1.30	2.47	3.03	2.77	1.79	1.14	1.06	0.05	0.0	13.77
204	1711	0.0	0.0	0.19	1.20	2.25	2.76	2.53	1.63	1.03	0.97	0.07	0.0	12.63
205	1389	0.0	0.0	0.21	1.15	2.14	2.62	2.41	1.54	0.96	0.92	0.10	0.0	12.04
206	1711	0.0	0.0	0.23	1.15	2.13	2.61	2.40	1.54	0.95	0.91	0.11	0.0	12.03
207	1911	0.0	0.0	0.21	1.22	2.28	2.80	2.56	1.64	1.03	0.98	0.09	0.0	12.82
208	2600	0.0	0.0	0.07	1.43	2.82	3.45	3.14	2.04	1.32	1.19	0.0	0.0	15.46
209	4044	0.0	0.0	0.0	1.32	2.93	3.65	3.82	3.00	2.06	1.13	0.0	0.0	17.90
210	2200	0.0	0.0	0.13	1.41	2.74	3.35	3.05	1.97	1.26	1.16	0.01	0.0	15.08
211	2967	0.0	0.0	0.0	1.59	3.21	3.93	3.57	2.32	1.51	1.34	0.0	0.0	17.47
212	4089	0.0	0.0	0.0	1.30	2.92	3.65	3.83	3.01	2.08	1.12	0.0	0.0	17.92
213	3644	0.0	0.0	0.0	1.74	3.70	4.53	4.09	2.67	1.77	1.52	0.0	0.0	20.01

TABLE D-18 5 KM GRID SQUARE ESTIMATED ACTUAL EVAPOTRANSPIRATION DATA (CONT'D)
GROUP N MEAN MONTHLY AND ANNUAL ACTUAL EVAPOTRANSPIRATION (IN)

SQN	ELEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
214	3156	0.0	0.0	0.0	1.66	3.39	4.15	3.76	2.44	1.60	1.41	0.0	0.0	18.41
215	3600	0.0	0.0	0.0	1.78	3.79	4.63	4.18	2.72	1.80	1.55	0.0	0.0	20.46
216	4489	0.0	0.0	0.0	1.19	2.87	3.63	3.87	3.10	2.17	1.06	0.0	0.0	17.90
217	4744	0.0	0.0	0.0	1.11	2.84	3.60	3.89	3.15	2.23	1.02	0.0	0.0	17.85
218	3267	0.0	0.0	0.0	1.72	3.58	4.37	3.94	2.56	1.68	1.47	0.0	0.0	19.32
219	2956	0.0	0.0	0.0	1.66	3.39	4.15	3.73	2.42	1.58	1.40	0.0	0.0	18.33
220	4067	0.0	0.0	0.0	1.29	2.94	3.68	3.86	3.05	2.10	1.10	0.0	0.0	18.04
221	4767	0.0	0.0	0.0	1.09	2.85	3.62	3.91	3.17	2.25	1.01	0.0	0.0	17.89
222	3533	0.0	0.0	0.0	1.82	3.89	4.75	4.26	2.77	1.83	1.57	0.0	0.0	20.91
223	3533	0.0	0.0	0.0	1.41	3.03	3.74	3.84	3.00	2.05	1.16	0.0	0.0	18.22
224	4522	0.0	0.0	0.0	1.16	2.89	3.65	3.90	3.15	2.22	1.03	0.0	0.0	17.99
225	4956	0.0	0.0	0.0	1.02	2.83	3.61	3.92	3.22	2.30	0.96	0.0	0.0	17.86
226	3922	0.0	0.0	0.0	1.31	2.98	3.72	3.89	3.08	2.15	1.10	0.0	0.0	18.24
227	4411	0.0	0.0	0.0	1.18	2.91	3.68	3.92	3.17	2.25	1.04	0.0	0.0	18.15
228	5300	0.0	0.0	0.0	0.89	2.78	3.57	3.93	3.27	2.35	0.90	0.0	0.0	17.69
229	5100	0.0	0.0	0.0	0.96	2.82	3.60	3.93	3.25	2.34	0.92	0.0	0.0	17.82
230	4433	0.0	0.0	0.0	1.17	2.92	3.69	3.93	3.18	2.27	1.03	0.0	0.0	18.17
231	3956	0.0	0.0	0.0	1.29	2.99	3.75	3.91	3.12	2.20	1.08	0.0	0.0	18.33
232	4389	0.0	0.0	0.0	1.17	2.93	3.69	3.91	3.17	2.24	1.02	0.0	0.0	18.14
233	3156	0.0	0.0	0.0	1.82	3.86	4.71	4.17	2.70	1.76	1.53	0.0	0.0	20.55
234	3456	0.0	0.0	0.0	1.40	3.07	3.79	3.87	3.05	2.12	1.14	0.0	0.0	18.43
235	3022	0.0	0.0	0.0	1.87	3.93	4.80	4.24	2.74	1.78	1.56	0.0	0.0	20.91
236	3356	0.0	0.0	0.0	1.42	3.03	3.79	3.85	3.02	2.08	1.14	0.0	0.0	18.37
237	1600	0.0	0.0	0.27	1.16	2.12	2.61	2.45	1.58	1.00	0.95	0.09	0.0	12.23
238	2544	0.0	0.0	0.20	1.40	2.65	3.25	3.04	1.98	1.29	1.18	0.00	0.0	14.98
239	3322	0.0	0.0	0.02	1.62	3.19	3.91	3.66	2.40	1.59	1.41	0.0	0.0	17.80
240	1644	0.0	0.0	0.26	1.17	2.13	2.62	2.46	1.59	1.00	0.95	0.09	0.0	12.28
241	1444	0.0	0.0	0.34	1.11	2.03	2.50	2.34	1.51	0.94	0.91	0.10	0.0	11.78
242	2556	0.0	0.0	0.24	1.39	2.63	3.23	3.02	1.97	1.28	1.17	0.0	0.0	14.92
243	2278	0.0	0.0	0.27	1.31	2.46	3.02	2.82	1.83	1.18	1.09	0.04	0.0	14.00
244	1311	0.0	0.0	0.29	1.09	1.93	2.44	2.29	1.47	0.92	0.88	0.11	0.0	11.46
245	1589	0.0	0.0	0.27	1.14	2.09	2.57	2.40	1.55	0.98	0.93	0.09	0.0	12.01
246	3356	0.0	0.0	0.03	1.61	3.20	3.92	3.65	2.40	1.59	1.40	0.0	0.0	17.80
247	4289	0.0	0.0	0.0	1.32	2.84	3.59	3.84	2.97	2.08	1.18	0.0	0.0	17.81
248	2867	0.0	0.0	0.15	1.45	2.80	3.44	3.20	2.09	1.37	1.24	0.0	0.0	15.74
249	3400	0.0	0.0	0.0	1.62	3.23	3.95	3.68	2.42	1.60	1.41	0.0	0.0	17.91
250	4122	0.0	0.0	0.0	1.36	2.87	3.61	3.82	2.94	2.04	1.19	0.0	0.0	17.83
251	4322	0.0	0.0	0.0	1.31	2.84	3.59	3.84	2.98	2.09	1.17	0.0	0.0	17.81
252	3156	0.0	0.0	0.08	1.53	3.01	3.69	3.43	2.24	1.48	1.32	0.0	0.0	16.78
253	3922	0.0	0.0	0.0	1.76	3.65	4.47	4.15	2.73	1.84	1.57	0.0	0.0	20.17
254	4978	0.0	0.0	0.0	1.12	2.75	3.52	3.89	3.11	2.24	1.08	0.0	0.0	17.71
255	4689	0.0	0.0	0.0	1.20	2.79	3.55	3.87	3.06	2.18	1.12	0.0	0.0	17.77
256	4256	0.0	0.0	0.0	1.32	2.85	3.59	3.81	2.96	2.07	1.17	0.0	0.0	17.76
257	4011	0.0	0.0	0.0	1.77	3.63	4.57	4.23	2.78	1.87	1.60	0.0	0.0	20.55
258	4956	0.0	0.0	0.0	1.13	2.75	3.52	3.89	3.12	2.24	1.08	0.0	0.0	17.71
259	4589	0.0	0.0	0.0	1.11	2.75	3.52	3.88	3.12	2.25	1.07	0.0	0.0	17.70
260	4244	0.0	0.0	0.0	1.32	2.86	3.59	3.81	2.97	2.07	1.17	0.0	0.0	17.77
261	5200	0.0	0.0	0.0	1.04	2.72	3.49	3.88	3.15	2.28	1.04	0.0	0.0	17.60
262	5289	0.0	0.0	0.0	1.01	2.70	3.48	3.90	3.18	2.31	1.02	0.0	0.0	17.62
263	4978	0.0	0.0	0.0	1.11	2.76	3.52	3.88	3.14	2.26	1.06	0.0	0.0	17.73
264	5022	0.0	0.0	0.0	1.10	2.75	3.51	3.87	3.13	2.25	1.06	0.0	0.0	17.66
265	4389	0.0	0.0	0.0	1.27	2.85	3.58	3.82	3.02	2.13	1.14	0.0	0.0	17.80
266	4678	0.0	0.0	0.0	1.19	2.80	3.56	3.86	3.09	2.21	1.10	0.0	0.0	17.81
267	5544	0.0	0.0	0.0	0.91	2.67	3.45	3.91	3.24	2.37	0.97	0.0	0.0	17.52
268	4778	0.0	0.0	0.0	1.16	2.79	3.54	3.85	3.10	2.22	1.08	0.0	0.0	17.74
269	4833	0.0	0.0	0.0	1.14	2.78	3.54	3.85	3.11	2.23	1.07	0.0	0.0	17.73
270	5689	0.0	0.0	0.0	0.85	2.65	3.43	3.92	3.26	2.39	0.94	0.0	0.0	17.45
271	5789	0.0	0.0	0.0	0.80	2.64	3.42	3.92	3.27	2.40	0.92	0.0	0.0	17.38
272	5189	0.0	0.0	0.0	1.03	2.73	3.50	3.88	3.18	2.30	1.02	0.0	0.0	17.63
273	5511	0.0	0.0	0.0	0.91	2.69	3.46	3.90	3.23	2.35	0.96	0.0	0.0	17.59
274	5911	0.0	0.0	0.0	0.74	2.62	3.41	3.92	3.29	2.42	0.89	0.0	0.0	17.30
275	5700	0.0	0.0	0.0	0.83	2.66	3.44	3.92	3.27	2.40	0.93	0.0	0.0	17.44
276	5267	0.0	0.0	0.0	0.99	2.73	3.50	3.89	3.20	2.32	1.00	0.0	0.0	17.62
277	4467	0.0	0.0	0.0	1.23	2.85	3.59	3.84	3.07	2.17	1.10	0.0	0.0	17.85
278	4589	0.0	0.0	0.0	1.08	2.77	3.54	3.89	3.17	2.29	1.03	0.0	0.0	17.78
279	3600	0.0	0.0	0.0	1.77	3.68	4.51	4.11	2.69	1.78	1.54	0.0	0.0	20.03
280	2644	0.0	0.0	0.07	1.48	2.90	3.55	3.25	2.11	1.37	1.24	0.0	0.0	15.97
281	1422	0.0	0.0	0.22	1.22	2.28	2.80	2.56	1.64	1.02	0.98	0.10	0.0	12.82
282	2044	0.0	0.0	0.17	1.39	2.66	3.25	2.97	1.92	1.22	1.14	0.05	0.0	14.77
283	1544	0.0	0.0	0.22	1.30	2.45	3.01	2.75	1.76	1.11	1.05	0.10	0.0	13.75
284	1267	0.0	0.0	0.23	1.21	2.26	2.77	2.54	1.62	1.01	0.97	0.11	0.0	12.72

TABLE C-18 5 KM GRID SQUARE ESTIMATED ACTUAL EVAPOTRANSPIRATION DATA (CONT'D)
GROUP N MEAN MONTHLY AND ANNUAL ACTUAL EVAPOTRANSPIRATION (IN)

SQN	ELEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
285	1467	0.0	0.0	0.22	1.27	2.38	2.92	2.67	1.71	1.07	1.02	0.10	0.0	13.35
286	1478	0.0	0.0	0.23	1.31	2.47	3.05	2.76	1.77	1.11	1.05	0.10	0.0	13.84
287	1622	0.0	0.0	0.22	1.36	2.58	3.17	2.88	1.85	1.16	1.10	0.09	0.0	14.41
288	1778	0.0	0.0	0.19	1.35	2.57	3.15	2.86	1.84	1.16	1.09	0.07	0.0	14.28
289	1778	0.0	0.0	0.20	1.37	2.62	3.21	2.92	1.87	1.18	1.11	0.07	0.0	14.55
290	1611	0.0	0.0	0.23	1.38	2.62	3.22	2.93	1.88	1.18	1.11	0.09	0.0	14.63
291	1544	0.0	0.0	0.23	1.40	2.64	3.24	2.94	1.89	1.18	1.12	0.10	0.0	14.74
292	1700	0.0	0.0	0.21	1.38	2.63	3.22	2.92	1.87	1.18	1.11	0.08	0.0	14.61
293	1567	0.0	0.0	0.23	1.38	2.62	3.21	2.91	1.86	1.16	1.10	0.09	0.0	14.55
294	1789	0.0	0.0	0.21	1.47	2.82	3.45	3.12	2.00	1.26	1.18	0.07	0.0	15.58
295	2000	0.0	0.0	0.18	1.54	2.98	3.65	3.29	2.12	1.34	1.25	0.05	0.0	16.40
296	1456	0.0	0.0	0.23	1.38	2.62	3.21	2.91	1.86	1.16	1.10	0.10	0.0	14.58
297	1656	0.0	0.0	0.22	1.45	2.77	3.40	3.06	1.96	1.23	1.16	0.08	0.0	15.33
298	1667	0.0	0.0	0.22	1.50	2.88	3.52	3.18	2.03	1.28	1.20	0.09	0.0	15.89
299	1378	0.0	0.0	0.26	1.48	2.81	3.44	3.10	1.98	1.23	1.17	0.11	0.0	15.57
300	2233	0.0	0.0	0.15	1.60	3.16	3.86	3.47	2.24	1.43	1.31	0.00	0.0	17.22
301	2789	0.0	0.0	0.00	1.77	3.61	4.40	3.94	2.55	1.65	1.47	0.0	0.0	19.40
302	1622	0.0	0.0	0.25	1.55	2.99	3.66	3.29	2.10	1.32	1.24	0.09	0.0	16.50
303	2611	0.0	0.0	0.06	1.81	3.65	4.46	3.99	2.57	1.66	1.49	0.0	0.0	19.69
304	2533	0.0	0.0	0.0	1.83	3.76	4.60	4.11	2.66	1.72	1.52	0.0	0.0	20.20
305	3211	0.0	0.0	0.0	1.91	4.03	4.92	4.36	2.83	1.85	1.61	0.0	0.0	21.53
306	3833	0.0	0.0	0.0	1.32	3.91	3.76	3.92	3.13	2.22	1.10	0.0	0.0	18.46
307	3778	0.0	0.0	0.0	1.33	3.02	3.78	3.93	3.13	2.22	1.10	0.0	0.0	18.51
308	3256	0.0	0.0	0.0	1.45	3.08	3.80	3.85	3.01	2.10	1.16	0.0	0.0	18.46
309	3489	0.0	0.0	0.0	1.69	3.36	4.12	3.85	2.53	1.69	1.48	0.0	0.0	18.72
310	3656	0.0	0.0	0.0	1.74	3.51	4.30	4.02	2.65	1.77	1.54	0.0	0.0	19.55
311	3744	0.0	0.0	0.0	1.76	3.58	4.38	4.10	2.70	1.81	1.57	0.0	0.0	19.89
312	3756	0.0	0.0	0.0	1.76	3.57	4.37	4.09	2.69	1.80	1.56	0.0	0.0	19.84
313	3233	0.0	0.0	0.05	1.60	3.14	3.84	3.59	2.36	1.56	1.39	0.0	0.0	17.51
314	3789	0.0	0.0	0.0	1.77	3.61	4.42	4.13	2.72	1.82	1.58	0.0	0.0	20.05
315	3922	0.0	0.0	0.0	1.80	3.72	4.56	4.25	2.80	1.89	1.62	0.0	0.0	20.65
316	3422	0.0	0.0	0.06	1.64	3.27	4.01	3.74	2.45	1.63	1.44	0.0	0.0	18.24
317	3911	0.0	0.0	0.0	1.79	3.68	4.52	4.21	2.77	1.86	1.60	0.0	0.0	20.43
318	3922	0.0	0.0	0.0	1.80	3.72	4.56	4.25	2.80	1.88	1.62	0.0	0.0	20.62
319	4011	0.0	0.0	0.0	1.39	2.89	3.64	3.85	2.95	2.05	1.21	0.0	0.0	17.97
320	4389	0.0	0.0	0.0	1.29	2.83	3.59	3.87	3.00	2.12	1.17	0.0	0.0	17.87
321	4656	0.0	0.0	0.0	1.22	2.79	3.56	3.89	3.06	2.18	1.13	0.0	0.0	17.83
322	4667	0.0	0.0	0.0	1.22	2.79	3.56	3.91	3.08	2.19	1.13	0.0	0.0	17.88
323	5800	0.0	0.0	0.0	0.85	2.61	3.40	3.97	3.27	2.40	0.96	0.0	0.0	17.46
324	5411	0.0	0.0	0.0	0.99	2.67	3.46	3.93	3.20	2.33	1.02	0.0	0.0	17.61
325	5411	0.0	0.0	0.0	0.99	2.68	3.46	3.93	3.20	2.33	1.02	0.0	0.0	17.61
326	5867	0.0	0.0	0.0	0.82	2.60	3.39	3.97	3.28	2.41	0.95	0.0	0.0	17.42
327	5167	0.0	0.0	0.0	1.06	2.72	3.50	3.93	3.18	2.30	1.05	0.0	0.0	17.75
328	4833	0.0	0.0	0.0	1.16	2.77	3.54	3.89	3.10	2.22	1.10	0.0	0.0	17.79
329	5233	0.0	0.0	0.0	1.04	2.71	3.49	3.92	3.18	2.30	1.04	0.0	0.0	17.68
330	5567	0.0	0.0	0.0	0.93	2.66	3.45	3.95	3.25	2.37	0.99	0.0	0.0	17.59
331	5578	0.0	0.0	0.0	0.75	2.59	3.38	3.96	3.30	2.43	0.92	0.0	0.0	17.32
332	5500	0.0	0.0	0.0	0.95	2.67	3.45	3.93	3.22	2.35	1.00	0.0	0.0	17.57
333	5422	0.0	0.0	0.0	0.97	2.68	3.47	3.92	3.22	2.35	1.00	0.0	0.0	17.61
334	5622	0.0	0.0	0.0	0.90	2.65	3.44	3.95	3.26	2.39	0.97	0.0	0.0	17.56
335	5044	0.0	0.0	0.0	1.09	2.75	3.52	3.92	3.18	2.30	1.06	0.0	0.0	17.82
336	4844	0.0	0.0	0.0	1.15	2.78	3.54	3.89	3.13	2.25	1.08	0.0	0.0	17.82
337	4578	0.0	0.0	0.0	1.22	2.82	3.58	3.87	3.09	2.21	1.11	0.0	0.0	17.89
338	4389	0.0	0.0	0.0	1.27	2.85	3.60	3.87	3.07	2.19	1.14	0.0	0.0	17.99
339	4244	0.0	0.0	0.0	1.30	2.87	3.62	3.86	3.05	2.17	1.15	0.0	0.0	18.03
340	5044	0.0	0.0	0.0	1.08	2.75	3.52	3.90	3.17	2.30	1.05	0.0	0.0	17.78
341	5411	0.0	0.0	0.0	0.96	2.70	3.48	3.92	3.23	2.37	0.99	0.0	0.0	17.64
342	4211	0.0	0.0	0.0	1.31	2.88	3.62	3.86	3.05	2.17	1.15	0.0	0.0	18.05
343	4144	0.0	0.0	0.0	1.32	2.89	3.63	3.85	3.05	2.17	1.15	0.0	0.0	18.08
344	5544	0.0	0.0	0.0	0.90	2.69	3.46	3.92	3.26	2.39	0.96	0.0	0.0	17.57
345	5422	0.0	0.0	0.0	0.94	2.70	3.48	3.92	3.24	2.38	0.98	0.0	0.0	17.64
346	4378	0.0	0.0	0.0	1.26	2.86	3.61	3.87	3.10	2.22	1.12	0.0	0.0	18.05
347	5044	0.0	0.0	0.0	1.06	2.76	3.54	3.92	3.21	2.34	1.03	0.0	0.0	17.87
348	5822	0.0	0.0	0.0	0.78	2.64	3.43	3.94	3.30	2.42	0.90	0.0	0.0	17.40
349	5300	0.0	0.0	0.0	0.98	2.73	3.51	3.92	3.24	2.36	0.99	0.0	0.0	17.72
350	5011	0.0	0.0	0.0	1.07	2.77	3.55	3.92	3.21	2.34	1.03	0.0	0.0	17.89
351	4256	0.0	0.0	0.0	1.28	2.89	3.64	3.88	3.10	2.21	1.12	0.0	0.0	18.12
352	4178	0.0	0.0	0.0	1.30	2.90	3.64	3.86	3.06	2.17	1.13	0.0	0.0	18.07
353	2667	0.0	0.0	0.06	1.59	3.12	3.82	3.49	2.27	1.47	1.33	0.0	0.0	17.14
354	3244	0.0	0.0	0.0	1.78	3.62	4.43	4.04	2.63	1.73	1.52	0.0	0.0	19.77
355	3478	0.0	0.0	0.0	1.86	3.86	4.72	4.29	2.80	1.85	1.61	0.0	0.0	20.97

TABLE C-18 5 KM GRID SQUARE ESTIMATED ACTUAL EVAPOTRANSPIRATION DATA (CONT'D)
GROUP N MEAN MONTHLY AND ANNUAL ACTUAL EVAPOTRANSPIRATION (IN)

SQN	ELEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
356	3444	0.0	0.0	0.11	1.55	3.05	3.78	3.38	2.19	1.41	1.29	0.0	0.0	16.65
357	3533	0.0	0.0	0.09	1.60	3.13	3.83	3.49	2.26	1.46	1.33	0.0	0.0	17.19
358	4278	0.0	0.0	0.0	1.26	2.90	3.66	3.90	3.13	2.23	1.11	0.0	0.0	18.19
359	4211	0.0	0.0	0.0	1.27	2.91	3.67	3.91	3.13	2.23	1.11	0.0	0.0	18.24
360	2489	0.0	0.0	0.10	1.61	3.16	3.86	3.51	2.27	1.46	1.33	0.0	0.0	17.30
361	2644	0.0	0.0	0.05	1.67	3.32	4.06	3.68	2.39	1.54	1.39	0.0	0.0	18.11
362	4122	0.0	0.0	0.0	1.29	2.93	3.69	3.91	3.12	2.22	1.11	0.0	0.0	18.27
363	4578	0.0	0.0	0.0	1.16	2.87	3.64	3.94	3.20	2.31	1.05	0.0	0.0	18.17
364	3133	0.0	0.0	0.0	1.80	3.70	4.52	4.09	2.66	1.74	1.53	0.0	0.0	20.03
365	2633	0.0	0.0	0.05	1.71	3.42	4.18	3.77	2.44	1.58	1.42	0.0	0.0	18.57
366	4578	0.0	0.0	0.0	1.16	2.87	3.65	3.95	3.21	2.31	1.04	0.0	0.0	18.19
367	3667	0.0	0.0	0.0	1.39	3.01	3.76	3.91	3.07	2.17	1.15	0.0	0.0	18.46
368	2111	0.0	0.0	0.16	1.61	3.14	3.85	3.47	2.23	1.42	1.31	0.03	0.0	17.24
369	1856	0.0	0.0	0.20	1.59	3.06	3.75	3.38	2.17	1.37	1.28	0.07	0.0	16.87
370	2033	0.0	0.0	0.18	1.68	3.27	4.00	3.61	2.32	1.47	1.36	0.04	0.0	17.93
371	1622	0.0	0.0	0.25	1.63	3.12	3.83	3.44	2.20	1.38	1.30	0.10	0.0	17.24
372	1700	0.0	0.0	0.23	1.59	3.06	3.75	3.37	2.16	1.35	1.27	0.09	0.0	16.86
373	1767	0.0	0.0	0.23	1.63	3.16	3.87	3.47	2.22	1.40	1.31	0.08	0.0	17.38
374	1678	0.0	0.0	0.25	1.67	3.22	3.94	3.54	2.26	1.42	1.34	0.09	0.0	17.73
375	1467	0.0	0.0	0.29	1.66	3.19	3.91	3.50	2.23	1.40	1.32	0.12	0.0	17.61
376	1922	0.0	0.0	0.23	1.70	3.32	4.06	3.63	2.33	1.47	1.37	0.05	0.0	18.15
377	2756	0.0	0.0	0.01	1.91	3.91	4.78	4.26	2.75	1.78	1.58	0.0	0.0	21.00
378	1378	0.0	0.0	0.30	1.68	3.22	3.94	3.53	2.25	1.39	1.33	0.12	0.0	17.75
379	1867	0.0	0.0	0.25	1.79	3.51	4.30	3.83	2.45	1.54	1.44	0.06	0.0	19.18
380	2678	0.0	0.0	0.04	1.92	3.93	4.80	4.27	2.75	1.77	1.59	0.0	0.0	21.06
381	2067	0.0	0.0	0.20	1.81	3.60	4.39	3.91	2.50	1.58	1.46	0.02	0.0	19.47
382	2178	0.0	0.0	0.18	1.89	3.77	4.60	4.09	2.62	1.67	1.53	0.0	0.0	20.35
383	2578	0.0	0.0	0.05	2.00	4.10	5.00	4.43	2.85	1.83	1.64	0.0	0.0	21.91
384	2344	0.0	0.0	0.12	1.90	3.83	4.68	4.15	2.66	1.70	1.54	0.0	0.0	20.59
385	2433	0.0	0.0	0.09	1.94	3.94	4.81	4.25	2.73	1.74	1.57	0.0	0.0	21.06
386	3311	0.0	0.0	0.0	1.43	3.10	3.86	3.95	3.12	2.24	1.14	0.0	0.0	18.84
387	3233	0.0	0.0	0.0	1.44	3.12	3.88	3.95	3.12	2.24	1.14	0.0	0.0	18.89
388	2300	0.0	0.0	0.14	1.92	3.89	4.75	4.19	2.69	1.71	1.55	0.0	0.0	20.86
389	2133	0.0	0.0	0.22	1.90	3.83	4.68	4.12	2.63	1.66	1.53	0.0	0.0	20.57
390	3256	0.0	0.0	0.0	1.43	3.12	3.88	3.96	3.13	2.25	1.13	0.0	0.0	18.90
391	1744	0.0	0.0	0.30	1.89	3.75	4.58	4.02	2.56	1.60	1.50	0.07	0.0	20.26
392	2567	0.0	0.0	0.09	2.00	4.15	5.06	4.44	2.85	1.82	1.63	0.0	0.0	22.05
393	4300	0.0	0.0	0.0	1.32	2.84	3.62	3.91	3.00	2.11	1.19	0.0	0.0	18.00
394	4178	0.0	0.0	0.0	1.35	2.86	3.64	3.92	3.00	2.10	1.20	0.0	0.0	18.07
395	3811	0.0	0.0	0.0	1.80	3.68	4.51	4.21	2.77	1.86	1.61	0.0	0.0	20.44
396	4200	0.0	0.0	0.0	1.35	2.86	3.63	3.90	2.99	2.09	1.20	0.0	0.0	18.01
397	4122	0.0	0.0	0.0	1.37	2.87	3.64	3.89	2.98	2.08	1.20	0.0	0.0	18.02
398	3656	0.0	0.0	0.0	1.76	3.54	4.34	4.06	2.67	1.79	1.55	0.0	0.0	19.71
399	3633	0.0	0.0	0.0	1.80	3.69	4.52	4.22	2.76	1.85	1.61	0.0	0.0	20.47
400	4111	0.0	0.0	0.0	1.37	2.87	3.64	3.89	2.98	2.08	1.20	0.0	0.0	18.02
401	5444	0.0	0.0	0.0	0.98	2.67	3.46	3.97	3.24	2.36	1.02	0.0	0.0	17.69
402	4111	0.0	0.0	0.0	1.36	2.88	3.64	3.89	3.01	2.11	1.19	0.0	0.0	18.09
403	4422	0.0	0.0	0.0	1.28	2.84	3.61	3.92	3.08	2.19	1.15	0.0	0.0	18.05
404	5256	0.0	0.0	0.0	1.04	2.71	3.49	3.95	3.21	2.33	1.04	0.0	0.0	17.77
405	5200	0.0	0.0	0.0	1.05	2.72	3.50	3.95	3.20	2.32	1.05	0.0	0.0	17.79
406	4200	0.0	0.0	0.0	1.33	2.87	3.63	3.90	3.04	2.14	1.17	0.0	0.0	18.10
407	3778	0.0	0.0	0.0	1.79	3.70	4.54	4.20	2.76	1.85	1.59	0.0	0.0	20.43
408	5178	0.0	0.0	0.0	1.05	2.72	3.51	3.95	3.20	2.33	1.04	0.0	0.0	17.81
409	4311	0.0	0.0	0.0	1.27	2.88	3.64	3.89	3.11	2.24	1.12	0.0	0.0	18.15
410	4156	0.0	0.0	0.0	1.31	2.90	3.66	3.90	3.11	2.24	1.14	0.0	0.0	18.26
411	4256	0.0	0.0	0.0	1.28	2.89	3.65	3.91	3.13	2.27	1.12	0.0	0.0	18.25
412	4267	0.0	0.0	0.0	1.28	2.89	3.65	3.90	3.12	2.24	1.12	0.0	0.0	18.19
413	3644	0.0	0.0	0.0	1.42	2.98	3.70	3.84	3.01	2.13	1.19	0.0	0.0	18.27
414	3800	0.0	0.0	0.0	1.39	2.96	3.71	3.88	3.07	2.19	1.17	0.0	0.0	18.37
415	3689	0.0	0.0	0.0	1.40	2.99	3.72	3.88	3.06	2.18	1.18	0.0	0.0	18.41
416	3644	0.0	0.0	0.0	1.41	2.99	3.71	3.85	3.02	2.14	1.19	0.0	0.0	18.31
417	4678	0.0	0.0	0.0	1.15	2.84	3.62	3.94	3.21	2.33	1.05	0.0	0.0	18.14
418	4233	0.0	0.0	0.0	1.27	2.91	3.68	3.93	3.16	2.29	1.11	0.0	0.0	18.34
419	4811	0.0	0.0	0.0	1.11	2.83	3.61	3.96	3.25	2.33	1.03	0.0	0.0	18.17
420	4685	0.0	0.0	0.0	1.08	2.81	3.60	3.96	3.24	2.32	1.02	0.0	0.0	18.08
421	4633	0.0	0.0	0.0	1.15	2.86	3.64	3.95	3.21	2.33	1.05	0.0	0.0	18.19
422	4622	0.0	0.0	0.0	1.16	2.86	3.64	3.96	3.23	2.36	1.05	0.0	0.0	18.26
423	4489	0.0	0.0	0.0	1.19	2.88	3.66	3.96	3.22	2.35	1.06	0.0	0.0	18.33
424	4656	0.0	0.0	0.0	1.14	2.86	3.64	3.96	3.23	2.35	1.04	0.0	0.0	18.21
425	4778	0.0	0.0	0.0	1.10	2.84	3.63	3.97	3.25	2.37	1.02	0.0	0.0	18.18
426	4411	0.0	0.0	0.0	1.21	2.90	3.68	3.97	3.22	2.35	1.07	0.0	0.0	18.38

TABLE D-18 5 KM GRID SQUARE ESTIMATED ACTUAL EVAPOTRANSPIRATION DATA (CONT'D)
GROUP N MEAN MONTHLY AND ANNUAL ACTUAL EVAPOTRANSPIRATION (IN)

SQN	ELEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
427	4433	0.0	0.0	0.0	1.19	2.90	3.68	3.97	3.23	2.36	1.06	0.0	0.0	18.39
428	4544	0.0	0.0	0.0	1.16	2.88	3.67	3.96	3.22	2.34	1.04	0.0	0.0	18.28
429	2867	0.0	0.0	0.0	1.93	3.93	4.81	4.32	2.80	1.82	1.62	0.0	0.0	21.23
430	3056	0.0	0.0	0.0	1.52	3.69	4.61	4.06	3.01	2.15	1.22	0.0	0.0	19.65
431	2600	0.0	0.0	0.05	1.99	4.00	4.89	4.39	2.84	1.83	1.65	0.0	0.0	21.64
432	2144	0.0	0.0	0.17	1.81	3.54	4.33	3.89	2.50	1.59	1.47	0.02	0.0	19.33
433	2444	0.0	0.0	0.10	1.90	3.80	4.65	4.16	2.68	1.72	1.56	0.0	0.0	20.53
434	3578	0.0	0.0	0.0	1.40	3.04	3.80	3.95	3.13	2.27	1.15	0.0	0.0	18.75
435	3822	0.0	0.0	0.0	1.33	3.01	3.78	3.97	3.18	2.32	1.11	0.0	0.0	18.71
436	2433	0.0	0.0	0.12	1.93	3.86	4.72	4.22	2.72	1.74	1.58	0.0	0.0	20.90
437	2378	0.0	0.0	0.14	1.95	3.90	4.76	4.25	2.73	1.75	1.59	0.0	0.0	21.05
438	4444	0.0	0.0	0.0	1.16	2.92	3.72	4.00	3.27	2.41	1.02	0.0	0.0	18.50
439	2956	0.0	0.0	0.0	1.52	3.13	3.87	3.91	3.06	2.22	1.20	0.0	0.0	18.90
440	1556	0.0	0.0	0.30	1.80	3.49	4.27	3.81	2.43	1.51	1.43	0.11	0.0	19.15
441	1578	0.0	0.0	0.30	1.83	3.56	4.36	3.88	2.47	1.54	1.46	0.11	0.0	19.52
442	1567	0.0	0.0	0.31	1.91	3.71	4.55	4.05	2.58	1.61	1.52	0.11	0.0	20.34
443	1511	0.0	0.0	0.32	1.93	3.75	4.59	4.08	2.59	1.61	1.53	0.12	0.0	20.52
444	1944	0.0	0.0	0.24	1.93	3.82	4.67	4.14	2.65	1.67	1.55	0.04	0.0	20.72
445	2356	0.0	0.0	0.14	2.04	4.13	5.04	4.46	2.86	1.82	1.66	0.0	0.0	22.16
446	1600	0.0	0.0	0.32	1.97	3.85	4.71	4.17	2.65	1.65	1.56	0.10	0.0	20.97
447	1556	0.0	0.0	0.31	1.98	3.88	4.75	4.20	2.67	1.66	1.57	0.11	0.0	21.14
448	2344	0.0	0.0	0.14	2.05	4.17	5.09	4.49	2.88	1.83	1.66	0.0	0.0	22.34
449	4844	0.0	0.0	0.0	1.12	2.80	3.58	3.95	3.23	2.38	1.05	0.0	0.0	18.12
450	5611	0.0	0.0	0.0	0.86	2.68	3.47	3.99	3.34	2.48	0.94	0.0	0.0	17.76
451	5078	0.0	0.0	0.0	1.04	2.77	3.56	3.98	3.29	2.44	1.01	0.0	0.0	18.09
452	4500	0.0	0.0	0.0	1.21	2.86	3.63	3.94	3.19	2.33	1.09	0.0	0.0	18.26
453	4400	0.0	0.0	0.0	1.24	2.88	3.65	3.94	3.18	2.33	1.10	0.0	0.0	18.32
454	4533	0.0	0.0	0.0	1.08	2.80	3.59	3.98	3.27	2.43	1.03	0.0	0.0	18.17
455	4900	0.0	0.0	0.0	1.09	2.80	3.60	3.98	3.28	2.43	1.03	0.0	0.0	18.21
456	3956	0.0	0.0	0.0	1.35	2.95	3.70	3.92	3.12	2.27	1.15	0.0	0.0	18.45
457	4156	0.0	0.0	0.0	1.29	2.92	3.69	3.94	3.16	2.31	1.12	0.0	0.0	18.44
458	5144	0.0	0.0	0.0	1.01	2.77	3.57	3.99	3.32	2.46	0.99	0.0	0.0	18.10
459	5111	0.0	0.0	0.0	1.01	2.78	3.58	4.00	3.32	2.47	0.99	0.0	0.0	18.14
460	4589	0.0	0.0	0.0	1.17	2.86	3.64	3.97	3.24	2.38	1.06	0.0	0.0	18.32
461	4756	0.0	0.0	0.0	1.12	2.84	3.63	3.98	3.27	2.41	1.03	0.0	0.0	18.27
462	5544	0.0	0.0	0.0	0.85	2.71	3.51	4.01	3.37	2.49	0.91	0.0	0.0	17.85
463	5500	0.0	0.0	0.0	0.86	2.72	3.52	4.01	3.37	2.49	0.91	0.0	0.0	17.88
464	4589	0.0	0.0	0.0	1.16	2.87	3.66	3.98	3.25	2.40	1.05	0.0	0.0	18.36
465	4289	0.0	0.0	0.0	1.24	2.92	3.70	3.97	3.22	2.36	1.08	0.0	0.0	18.50
466	4667	0.0	0.0	0.0	1.13	2.86	3.66	4.00	3.29	2.44	1.03	0.0	0.0	18.42
467	4089	0.0	0.0	0.0	1.29	2.95	3.74	3.99	3.22	2.38	1.10	0.0	0.0	18.67
468	4067	0.0	0.0	0.0	1.29	2.96	3.73	3.97	3.20	2.34	1.10	0.0	0.0	18.59
469	2978	0.0	0.0	0.0	1.53	3.10	3.82	3.87	3.02	2.18	1.22	0.0	0.0	18.75
470	2578	0.0	0.0	0.08	2.14	4.29	5.24	4.72	3.05	1.96	1.77	0.0	0.0	23.25
471	2311	0.0	0.0	0.15	2.11	4.18	5.11	4.59	2.96	1.89	1.73	0.0	0.0	22.71
472	2378	0.0	0.0	0.12	2.03	4.03	4.93	4.43	2.86	1.83	1.67	0.0	0.0	21.39
473	3322	0.0	0.0	0.0	1.45	3.68	4.65	3.95	3.11	2.27	1.18	0.0	0.0	18.66
474	2989	0.0	0.0	0.0	1.52	3.12	3.86	3.92	3.07	2.26	1.21	0.0	0.0	18.96
475	3611	0.0	0.0	0.0	1.38	3.04	3.82	3.99	3.19	2.37	1.14	0.0	0.0	18.93
476	4178	0.0	0.0	0.0	1.24	2.95	3.75	4.00	3.24	2.40	1.07	0.0	0.0	18.66
477	5033	0.0	0.0	0.0	0.98	2.83	3.63	4.02	3.34	2.48	0.94	0.0	0.0	18.22
478	4178	0.0	0.0	0.0	1.24	2.96	3.76	4.02	3.27	2.44	1.06	0.0	0.0	18.74
479	3722	0.0	0.0	0.0	1.35	3.04	3.82	4.01	3.22	2.40	1.11	0.0	0.0	18.94
480	4578	0.0	0.0	0.0	1.12	2.91	3.71	4.02	3.30	2.46	1.00	0.0	0.0	18.51
481	5289	0.0	0.0	0.0	0.97	2.74	3.54	4.00	3.33	2.48	0.98	0.0	0.0	18.03
482	5456	0.0	0.0	0.0	0.91	2.71	3.51	4.02	3.36	2.50	0.95	0.0	0.0	17.96
483	6100	0.0	0.0	0.0	0.61	2.61	3.40	3.97	3.39	2.45	0.82	0.0	0.0	17.25
484	5600	0.0	0.0	0.0	0.85	2.69	3.49	4.01	3.36	2.50	0.92	0.0	0.0	17.82
485	5911	0.0	0.0	0.0	0.70	2.65	3.43	4.00	3.38	2.46	0.85	0.0	0.0	17.47
486	6311	0.0	0.28	0.0	0.47	2.57	3.36	3.94	3.38	2.42	0.76	0.0	0.17	17.37
487	6167	0.0	0.0	0.0	0.55	2.60	3.39	3.96	3.39	2.43	0.79	0.0	0.0	17.12
488	5667	0.0	0.0	0.0	0.80	2.69	3.48	4.01	3.38	2.48	0.89	0.0	0.0	17.75
489	5678	0.0	0.0	0.0	0.79	2.69	3.48	4.01	3.38	2.48	0.88	0.0	0.0	17.73
490	5978	0.0	0.0	0.0	0.65	2.64	3.43	3.99	3.39	2.45	0.83	0.0	0.0	17.38
491	5822	0.0	0.0	0.0	0.72	2.67	3.46	4.01	3.39	2.46	0.85	0.0	0.0	17.56
492	5856	0.0	0.0	0.0	0.70	2.67	3.45	4.00	3.39	2.45	0.84	0.0	0.0	17.51
493	6022	0.0	0.0	0.0	0.64	2.63	3.42	3.99	3.39	2.45	0.83	0.0	0.0	17.35
494	4689	0.0	0.0	0.0	1.15	2.84	3.65	4.03	3.31	2.49	1.05	0.0	0.0	18.52
495	4956	0.0	0.0	0.0	1.06	2.81	3.61	4.04	3.35	2.52	1.01	0.0	0.0	18.40
496	6111	0.0	0.0	0.0	0.59	2.61	3.40	3.97	3.39	2.44	0.80	0.0	0.0	17.21
497	6000	0.0	0.0	0.0	0.64	2.64	3.43	3.98	3.40	2.45	0.82	0.0	0.0	17.35
498	5211	0.0	0.0	0.0	0.97	2.77	3.57	4.05	3.38	2.52	0.96	0.0	0.0	18.23
499	5578	0.0	0.0	0.0	0.83	2.72	3.50	4.04	3.41	2.48	0.90	0.0	0.0	17.87
500	5633	0.0	0.0	0.0	0.71	2.67	3.46	4.01	3.40	2.46	0.85	0.0	0.0	17.56

TABLE D-19 5 KM GRID SQUARE ESTIMATED RUNOFF DATA
GROUP N MEAN MONTHLY AND ANNUAL RUNOFF (IN)

SQN	ELEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	4633	0.01	0.01	0.00	0.90	2.13	1.59	0.79	0.40	0.20	0.10	0.05	0.02	5.20
2	5067	0.02	0.01	0.00	1.18	3.01	2.22	1.11	0.55	0.28	0.14	0.07	0.03	8.62
3	4544	0.01	0.01	0.00	0.82	1.95	1.45	0.73	0.36	0.18	0.09	0.05	0.02	5.67
4	4033	0.01	0.00	0.00	0.44	1.15	0.87	0.44	0.22	0.11	0.05	0.01	0.01	3.33
5	4056	0.01	0.00	0.00	0.44	1.13	0.88	0.44	0.22	0.11	0.06	0.03	0.01	3.38
6	4378	0.01	0.00	0.00	0.66	1.67	1.25	0.63	0.31	0.16	0.08	0.04	0.02	4.84
7	4611	0.01	0.01	0.00	0.91	2.12	1.57	0.79	0.39	0.20	0.10	0.05	0.02	6.16
8	4456	0.01	0.01	0.00	0.76	1.86	1.39	0.69	0.35	0.17	0.09	0.04	0.02	5.39
9	4956	0.02	0.01	0.00	1.19	2.96	2.11	1.06	0.53	0.26	0.13	0.07	0.03	8.37
10	5000	0.02	0.01	0.00	1.19	2.95	2.18	1.09	0.54	0.27	0.14	0.07	0.03	8.48
11	5400	0.02	0.01	0.01	1.14	4.03	2.96	1.48	0.74	0.37	0.19	0.09	0.05	11.09
12	5333	0.02	0.01	0.01	1.14	3.87	2.84	1.42	0.71	0.36	0.18	0.09	0.04	10.68
13	5400	0.02	0.01	0.01	1.15	3.78	2.78	1.39	0.70	0.35	0.17	0.09	0.04	10.49
14	5656	0.03	0.01	0.01	1.14	4.46	3.27	1.63	0.82	0.41	0.20	0.10	0.05	12.13
15	5456	0.02	0.01	0.01	1.15	3.93	2.88	1.44	0.72	0.36	0.18	0.09	0.05	10.85
16	5600	0.03	0.01	0.01	1.14	4.36	3.20	1.60	0.80	0.40	0.20	0.10	0.05	11.90
17	5589	0.03	0.01	0.01	1.14	4.37	3.20	1.60	0.80	0.40	0.20	0.10	0.05	11.91
18	5667	0.03	0.01	0.01	1.14	4.55	3.34	1.67	0.84	0.42	0.21	0.10	0.05	12.37
19	5056	0.02	0.01	0.00	1.20	2.94	2.17	1.08	0.54	0.27	0.14	0.07	0.03	8.47
20	5078	0.02	0.01	0.00	1.19	3.03	2.23	1.11	0.55	0.28	0.14	0.07	0.03	8.77
21	4333	0.01	0.00	0.00	0.62	1.57	1.17	0.59	0.29	0.15	0.07	0.04	0.02	4.52
22	4367	0.01	0.00	0.00	0.65	1.60	1.19	0.60	0.30	0.15	0.07	0.04	0.02	4.63
23	4867	0.01	0.01	0.00	1.17	2.56	1.89	0.94	0.47	0.24	0.12	0.06	0.03	7.49
24	4511	0.01	0.01	0.00	0.80	1.91	1.42	0.71	0.35	0.18	0.09	0.04	0.02	5.54
25	4944	0.02	0.01	0.00	1.20	2.78	2.05	1.02	0.51	0.26	0.13	0.06	0.03	8.08
26	4889	0.02	0.01	0.00	1.20	2.62	1.93	0.97	0.48	0.24	0.12	0.06	0.03	7.66
27	5733	0.03	0.01	0.01	1.14	4.92	3.61	1.80	0.90	0.45	0.23	0.11	0.06	13.28
28	5667	0.03	0.01	0.01	1.14	4.75	3.49	1.74	0.87	0.44	0.22	0.11	0.05	12.85
29	5678	0.03	0.01	0.01	1.15	4.38	3.21	1.60	0.80	0.40	0.20	0.10	0.05	11.95
30	6178	0.02	0.01	1.67	2.99	5.45	2.72	1.36	0.68	0.34	0.17	0.09	0.04	15.54
31	6044	0.03	0.02	0.01	1.17	5.49	4.01	2.01	1.00	0.50	0.25	0.13	0.06	14.67
32	5756	0.03	0.01	0.01	1.16	4.62	3.38	1.69	0.85	0.42	0.21	0.11	0.05	12.54
33	5433	0.02	0.01	0.01	1.17	3.74	2.75	1.37	0.69	0.34	0.17	0.09	0.04	10.40
34	6144	0.02	0.01	1.58	2.79	5.51	2.76	1.38	0.69	0.34	0.17	0.09	0.04	15.30
35	6089	0.03	0.02	0.01	1.17	5.68	4.16	2.08	1.04	0.52	0.26	0.13	0.06	15.16
36	5733	0.03	0.01	0.01	1.15	4.62	3.39	1.69	0.85	0.42	0.21	0.11	0.05	12.55
37	5744	0.03	0.01	0.01	1.15	4.69	3.43	1.72	0.86	0.43	0.21	0.11	0.05	12.70
38	5500	0.02	0.01	0.01	1.17	3.98	2.92	1.46	0.73	0.37	0.18	0.09	0.05	10.99
39	4522	0.01	0.01	0.00	0.76	1.77	1.31	0.66	0.33	0.16	0.08	0.04	0.02	5.15
40	5211	0.02	0.01	0.00	1.18	3.25	2.39	1.19	0.60	0.30	0.15	0.07	0.04	9.20
41	4878	0.01	0.01	0.00	1.13	2.48	1.83	0.91	0.46	0.23	0.11	0.06	0.03	7.25
42	3956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	4267	0.01	0.00	0.00	0.54	1.37	1.02	0.51	0.26	0.13	0.06	0.03	0.02	3.95
44	4211	0.01	0.00	0.00	0.49	1.29	0.97	0.48	0.24	0.12	0.06	0.03	0.02	3.70
45	4111	0.01	0.00	0.00	0.43	1.15	0.86	0.43	0.22	0.11	0.05	0.03	0.01	3.30
46	4933	0.02	0.01	0.00	1.22	2.63	1.93	0.97	0.48	0.24	0.12	0.06	0.03	7.71
47	4678	0.01	0.01	0.00	0.97	2.15	1.59	0.80	0.40	0.20	0.10	0.05	0.02	6.31
48	4856	0.01	0.01	0.00	1.15	2.52	1.85	0.93	0.46	0.23	0.12	0.05	0.03	7.37
49	4722	0.01	0.01	0.00	1.03	2.28	1.69	0.84	0.42	0.21	0.11	0.05	0.03	6.68
50	4333	0.01	0.00	0.00	0.64	1.56	1.16	0.58	0.29	0.14	0.07	0.04	0.02	4.51
51	4533	0.01	0.01	0.00	0.85	1.94	1.44	0.72	0.36	0.18	0.09	0.04	0.02	5.67
52	5144	0.02	0.01	0.00	1.19	3.28	2.41	1.21	0.60	0.30	0.15	0.08	0.04	9.29
53	5333	0.02	0.01	0.01	1.17	3.82	2.80	1.40	0.70	0.35	0.18	0.09	0.04	10.59
54	5044	0.02	0.01	0.00	1.21	3.04	2.24	1.12	0.56	0.28	0.14	0.07	0.03	8.73
55	5233	0.02	0.01	0.01	1.19	3.58	2.62	1.31	0.66	0.33	0.16	0.08	0.04	10.01
56	4933	0.02	0.01	0.00	1.22	2.81	2.07	1.03	0.52	0.26	0.13	0.06	0.03	8.16
57	3322	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	2167	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	3144	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	2811	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	4011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	3444	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	3233	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	4644	0.01	0.01	0.00	0.88	1.96	1.45	0.72	0.36	0.18	0.09	0.05	0.02	5.73
65	5067	0.02	0.01	0.00	1.24	2.80	2.05	1.03	0.51	0.26	0.13	0.06	0.03	8.14
66	4111	0.01	0.00	0.00	0.39	1.05	0.79	0.39	0.20	0.10	0.05	0.02	0.01	3.02
67	3700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68	4844	0.01	0.01	0.00	1.07	2.32	1.71	0.85	0.43	0.21	0.11	0.05	0.03	6.80
69	5600	0.02	0.01	0.01	1.18	4.22	3.09	1.55	0.77	0.39	0.19	0.10	0.05	11.59
70	4044	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71	3356	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE D-19 5 KM GRID SQUARE ESTIMATED RUNOFF DATA (CONT'D.)
GROUP N MEAN MONTHLY AND ANNUAL RUNOFF (IN)

SQN	ELEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
72	5200	0.02	0.01	0.00	1.21	3.16	2.32	1.16	0.58	0.29	0.14	0.07	0.04	9.00
73	4678	0.01	0.01	0.00	0.91	2.03	1.50	0.75	0.38	0.19	0.09	0.05	0.02	5.94
74	3322	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	4156	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76	3811	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77	3800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78	3189	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79	2933	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	4278	0.01	0.00	0.00	0.55	1.37	1.02	0.51	0.26	0.13	0.06	0.03	0.02	3.96
81	4089	0.01	0.00	0.00	0.41	1.08	0.81	0.41	0.20	0.10	0.05	0.03	0.01	3.10
82	2711	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83	2856	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84	3900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	3767	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	3200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87	3767	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	3856	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89	4411	0.01	0.01	0.00	0.75	1.74	1.29	0.65	0.32	0.15	0.08	0.04	0.02	5.08
90	4344	0.01	0.00	0.00	0.69	1.62	1.20	0.60	0.30	0.15	0.08	0.04	0.02	4.71
91	4656	0.01	0.01	0.00	1.02	2.22	1.54	0.82	0.41	0.20	0.10	0.05	0.01	6.52
92	5144	0.02	0.01	0.00	1.21	3.33	2.45	1.22	0.61	0.31	0.15	0.08	0.04	9.44
93	4879	0.02	0.01	0.00	1.25	2.70	1.98	0.99	0.50	0.25	0.12	0.06	0.03	7.91
94	5144	0.02	0.01	0.00	1.23	3.38	2.48	1.24	0.62	0.31	0.15	0.08	0.04	9.55
95	5256	0.02	0.01	0.01	1.22	3.73	2.74	1.37	0.68	0.34	0.17	0.09	0.04	10.43
96	4733	0.01	0.01	0.00	1.14	2.46	1.81	0.90	0.45	0.23	0.11	0.06	0.03	7.21
97	4911	0.02	0.01	0.00	1.25	2.90	2.13	1.07	0.53	0.27	0.13	0.07	0.03	8.42
98	5133	0.02	0.01	0.00	1.24	3.48	2.55	1.28	0.64	0.32	0.16	0.08	0.04	9.82
99	4811	0.02	0.01	0.00	1.29	2.71	2.00	1.00	0.50	0.25	0.13	0.06	0.03	8.02
100	4767	0.02	0.01	0.00	1.23	2.63	1.94	0.97	0.48	0.24	0.12	0.06	0.03	7.73
101	4978	0.02	0.01	0.00	1.26	3.22	2.36	1.18	0.59	0.30	0.15	0.07	0.04	9.30
102	5356	0.02	0.01	0.01	1.23	4.22	3.09	1.55	0.77	0.39	0.19	0.10	0.05	11.63
103	5033	0.02	0.01	0.00	1.27	3.44	2.53	1.26	0.63	0.32	0.16	0.08	0.04	9.75
104	4400	0.01	0.01	0.00	0.91	2.07	1.53	0.76	0.38	0.19	0.10	0.05	0.02	6.03
105	3222	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106	4078	0.01	0.00	0.00	0.44	1.14	0.85	0.43	0.21	0.11	0.05	0.03	0.01	3.28
107	4144	0.01	0.00	0.00	0.48	1.22	0.91	0.46	0.23	0.11	0.06	0.03	0.01	3.53
108	3678	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109	3156	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110	3411	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111	3322	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112	4189	0.01	0.00	0.00	0.50	1.27	0.95	0.47	0.24	0.12	0.05	0.03	0.01	3.67
113	3889	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114	2878	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115	2644	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116	3178	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117	3367	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118	2411	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119	2967	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120	3256	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121	3067	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122	2633	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123	2533	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124	3000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125	2433	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126	1911	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127	1589	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128	2378	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129	2478	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130	1511	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131	2089	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132	1822	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133	1544	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134	2367	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135	1522	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136	1933	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137	2556	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138	2100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139	3178	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140	3800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141	4322	0.01	0.00	0.00	0.68	1.58	1.17	0.59	0.29	0.15	0.07	0.04	0.02	4.60
142	4267	0.01	0.00	0.00	0.66	1.55	1.15	0.57	0.29	0.14	0.07	0.04	0.02	4.51

TABLE D-19 5 KM GRID SQUARE ESTIMATED RUNOFF DATA (CONT'D.)
GROUP N MEAN MONTHLY AND ANNUAL RUNOFF (IN)

SQN	ELEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
143	4278	0.01	0.00	0.00	0.69	1.61	1.19	0.60	0.30	0.15	0.07	0.04	0.02	4.68
144	4367	0.01	0.00	0.00	0.74	1.69	1.25	0.63	0.31	0.15	0.08	0.04	0.02	4.94
145	5089	0.02	0.01	0.00	1.25	3.24	2.37	1.19	0.59	0.30	0.15	0.07	0.04	9.22
146	4167	0.01	0.00	0.00	0.61	1.46	1.08	0.54	0.27	0.14	0.07	0.03	0.02	4.23
147	4656	0.01	0.01	0.00	1.11	2.39	1.76	0.88	0.44	0.22	0.11	0.05	0.03	7.02
148	5311	0.02	0.01	0.01	1.23	3.88	2.85	1.42	0.71	0.36	0.18	0.09	0.04	10.70
149	5267	0.02	0.01	0.01	1.24	3.83	2.81	1.40	0.70	0.35	0.18	0.09	0.04	10.68
150	4911	0.02	0.01	0.00	1.31	2.99	2.20	1.10	0.55	0.27	0.14	0.07	0.03	8.60
151	4678	0.01	0.01	0.00	1.19	2.55	1.87	0.94	0.47	0.23	0.12	0.06	0.03	7.48
152	4922	0.02	0.01	0.00	1.28	3.00	2.20	1.10	0.55	0.27	0.14	0.07	0.03	8.68
153	5156	0.02	0.01	0.01	1.25	4.22	3.09	1.55	0.77	0.39	0.19	0.10	0.05	11.65
154	5393	0.02	0.01	0.01	1.27	4.25	3.12	1.56	0.78	0.39	0.19	0.10	0.05	11.76
155	5044	0.02	0.01	0.01	1.31	3.58	2.63	1.31	0.66	0.33	0.16	0.08	0.04	10.14
156	5333	0.02	0.01	0.01	1.26	4.25	3.12	1.56	0.78	0.39	0.19	0.10	0.05	11.72
157	5233	0.02	0.01	0.01	1.27	4.08	2.99	1.50	0.75	0.37	0.19	0.09	0.05	11.33
158	5278	0.02	0.01	0.01	1.30	4.31	3.16	1.58	0.79	0.40	0.20	0.10	0.05	11.93
159	5289	0.03	0.01	0.01	1.31	4.45	3.27	1.63	0.82	0.41	0.20	0.10	0.05	12.36
160	4756	0.02	0.01	0.00	1.34	2.95	2.17	1.08	0.54	0.27	0.14	0.07	0.03	8.62
161	4300	0.01	0.01	0.00	0.96	2.14	1.58	0.79	0.40	0.20	0.10	0.05	0.02	6.27
162	4900	0.02	0.01	0.01	1.35	3.51	2.58	1.29	0.65	0.32	0.16	0.08	0.04	10.02
163	4211	0.01	0.01	0.00	0.95	2.15	1.59	0.80	0.40	0.20	0.10	0.05	0.02	6.29
164	3678	0.01	0.00	0.00	0.44	1.17	0.88	0.44	0.22	0.11	0.05	0.03	0.01	3.37
165	2744	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166	1989	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167	1767	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168	2300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169	2867	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170	1756	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171	1433	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172	2289	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173	1778	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174	1822	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175	1911	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176	1911	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177	1800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178	1911	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179	2411	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
181	1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
182	2211	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
183	2444	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
184	1978	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
185	1722	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
186	3722	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
187	3667	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
188	1811	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
189	1589	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
190	3000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
191	2800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
192	1389	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
193	1467	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
194	3367	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
195	3833	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
196	1744	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
197	2511	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
198	4322	0.01	0.00	0.00	0.68	1.59	1.18	0.59	0.29	0.15	0.07	0.04	0.02	4.62
199	4211	0.01	0.00	0.00	0.59	1.42	1.06	0.53	0.27	0.13	0.07	0.03	0.02	4.13
200	3644	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
201	3733	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
202	3800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
203	2033	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
204	1711	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
205	1389	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
206	1211	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
207	1511	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
208	2600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
209	4044	0.01	0.00	0.00	0.50	1.26	0.94	0.47	0.23	0.12	0.06	0.03	0.01	3.62
210	2300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
211	2967	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
212	4089	0.01	0.00	0.00	0.56	1.38	1.03	0.51	0.26	0.13	0.06	0.03	0.02	3.98
213	3644	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE D-19 5 KM GRID SQUARE ESTIMATED RUNOFF DATA (CONT'D.)
GROUP N MEAN MONTHLY AND ANNUAL RUNOFF (IN)

SQN	ELEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
214	3156	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
215	3600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
216	4489	0.01	0.01	0.00	0.99	2.19	1.61	0.81	0.40	0.20	0.10	0.05	0.03	6.40
217	4744	0.02	0.01	0.00	1.29	2.74	2.01	1.01	0.50	0.25	0.13	0.06	0.03	8.04
218	3267	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
219	2256	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220	4067	0.01	0.00	0.00	0.65	1.57	1.17	0.58	0.29	0.15	0.07	0.04	0.02	4.56
221	4767	0.02	0.01	0.00	1.37	2.94	2.16	1.08	0.54	0.27	0.13	0.07	0.03	8.63
222	3533	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223	3533	0.01	0.00	0.00	0.40	1.06	0.79	0.40	0.20	0.10	0.05	0.02	0.01	3.04
224	4522	0.01	0.01	0.00	1.17	2.54	1.87	0.94	0.47	0.23	0.12	0.06	0.03	7.46
225	4956	0.02	0.01	0.01	1.37	3.63	2.67	1.34	0.67	0.33	0.17	0.08	0.04	10.33
226	3922	0.01	0.01	0.00	0.72	1.75	1.31	0.65	0.33	0.16	0.08	0.04	0.02	5.08
227	4411	0.02	0.01	0.00	1.23	2.72	2.01	1.00	0.50	0.25	0.13	0.06	0.03	7.97
228	5300	0.03	0.01	0.01	1.34	4.67	3.42	1.71	0.86	0.43	0.21	0.11	0.05	12.85
229	5100	0.02	0.01	0.01	1.37	4.23	3.10	1.55	0.78	0.39	0.19	0.10	0.05	11.80
230	4433	0.02	0.01	0.00	1.30	2.95	2.19	1.09	0.53	0.26	0.13	0.07	0.03	8.34
231	3956	0.01	0.01	0.00	0.88	2.09	1.55	0.77	0.39	0.19	0.10	0.05	0.02	6.05
232	4389	0.02	0.01	0.00	1.20	2.65	1.95	0.98	0.49	0.24	0.12	0.06	0.03	7.75
233	3156	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
234	3456	0.01	0.00	0.00	0.52	1.38	1.03	0.52	0.26	0.13	0.06	0.03	0.02	3.95
235	3022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
236	3356	0.01	0.00	0.00	0.42	1.11	0.83	0.42	0.21	0.10	0.05	0.03	0.01	3.19
237	1600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238	2544	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
239	3322	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240	1644	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
241	1444	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
242	2556	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
243	2278	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
244	1211	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
245	1589	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
246	3356	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
247	4289	0.01	0.00	0.00	0.66	1.48	1.09	0.55	0.27	0.14	0.07	0.03	0.02	4.31
248	2867	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
249	3400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250	4133	0.01	0.00	0.00	0.50	1.19	0.89	0.44	0.22	0.11	0.06	0.03	0.01	3.45
251	4322	0.01	0.00	0.00	0.68	1.52	1.12	0.56	0.28	0.14	0.07	0.04	0.02	4.44
252	3156	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
253	3922	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
254	4978	0.02	0.01	0.00	1.34	2.74	2.01	1.00	0.50	0.25	0.13	0.06	0.03	8.10
255	4689	0.01	0.01	0.00	1.03	2.17	1.60	0.80	0.40	0.20	0.10	0.05	0.02	6.39
256	4256	0.01	0.00	0.00	0.59	1.37	1.02	0.51	0.25	0.13	0.06	0.03	0.02	3.99
257	4011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
258	4956	0.02	0.01	0.00	1.31	2.69	1.97	0.99	0.49	0.25	0.12	0.06	0.03	7.95
259	4980	0.02	0.01	0.00	1.35	2.76	2.02	1.01	0.51	0.25	0.13	0.06	0.03	8.16
260	4244	0.01	0.00	0.00	0.57	1.34	1.00	0.50	0.25	0.12	0.06	0.03	0.02	3.91
261	5200	0.02	0.01	0.00	1.34	3.27	2.40	1.20	0.60	0.30	0.15	0.07	0.04	9.40
262	5289	0.02	0.01	0.01	1.35	3.55	2.60	1.30	0.65	0.32	0.16	0.08	0.04	10.19
263	4978	0.02	0.01	0.00	1.35	2.70	2.05	1.02	0.51	0.26	0.13	0.06	0.03	8.24
264	5022	0.02	0.01	0.00	1.36	2.94	2.09	1.04	0.52	0.26	0.13	0.06	0.03	8.35
265	4389	0.01	0.00	0.00	0.73	1.66	1.23	0.61	0.31	0.15	0.08	0.04	0.02	4.83
266	4678	0.01	0.01	0.00	1.05	2.25	1.65	0.83	0.41	0.21	0.10	0.05	0.03	6.60
267	5544	0.03	0.01	0.01	1.32	4.39	3.22	1.61	0.80	0.40	0.20	0.10	0.05	12.15
268	4778	0.01	0.01	0.00	1.13	2.41	1.77	0.89	0.44	0.22	0.11	0.06	0.03	7.09
269	4833	0.01	0.01	0.00	1.20	2.55	1.87	0.94	0.47	0.23	0.12	0.06	0.03	7.50
270	5689	0.03	0.01	0.01	1.32	4.86	3.56	1.78	0.89	0.44	0.22	0.11	0.06	13.28
271	5789	0.03	0.01	0.01	1.31	5.20	3.81	1.90	0.95	0.48	0.24	0.12	0.06	14.12
272	5189	0.02	0.01	0.00	1.32	3.43	2.51	1.26	0.63	0.31	0.16	0.08	0.04	9.77
273	5511	0.02	0.01	0.01	1.29	4.75	3.19	1.55	0.80	0.40	0.20	0.10	0.05	12.00
274	5911	0.03	0.02	0.01	1.32	5.63	4.12	2.06	1.03	0.52	0.26	0.13	0.06	15.19
275	5700	0.03	0.01	0.01	1.31	5.06	3.70	1.85	0.93	0.46	0.23	0.12	0.06	13.77
276	5267	0.02	0.01	0.01	1.31	3.73	2.73	1.37	0.68	0.34	0.17	0.09	0.04	10.50
277	4467	0.01	0.01	0.00	0.89	2.00	1.48	0.74	0.37	0.19	0.09	0.05	0.02	5.80
278	4989	0.02	0.01	0.00	1.37	3.17	2.33	1.16	0.58	0.29	0.15	0.07	0.04	9.20
279	3600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280	2644	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
281	1422	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
282	2044	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
283	1544	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
284	1267	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE D-19 5 KM GRID SQUARE ESTIMATED RUNOFF DATA (CONT'D.)
GROUP N MEAN MONTHLY AND ANNUAL RUNOFF (IN)

SQN	ELEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
285	1467	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
286	1478	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
287	1622	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
288	1778	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
289	1778	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
290	1611	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
291	1544	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
292	1700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
293	1567	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
294	1789	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
295	2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
296	1456	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
297	1656	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
298	1667	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
299	1378	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300	2233	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
301	2789	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
302	1622	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
303	2611	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
304	2933	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
305	3211	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
306	3833	0.01	0.01	0.00	0.88	2.16	1.61	0.80	0.40	0.20	0.10	0.05	0.03	6.25
307	3778	0.01	0.01	0.00	0.88	2.16	1.61	0.81	0.40	0.20	0.10	0.05	0.03	6.27
308	3256	0.01	0.00	0.00	0.46	1.23	0.92	0.46	0.23	0.12	0.06	0.03	0.01	3.53
309	3489	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
310	3656	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
311	3744	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
312	3756	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
313	3233	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
314	3789	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
315	3922	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
316	3422	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
317	3911	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
318	3922	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
319	4011	0.01	0.00	0.00	0.44	1.05	0.78	0.39	0.19	0.10	0.05	0.02	0.01	3.04
320	4389	0.01	0.00	0.00	0.77	1.67	1.23	0.62	0.31	0.15	0.04	0.04	0.02	4.90
321	4656	0.01	0.01	0.00	1.03	2.15	1.58	0.79	0.39	0.20	0.10	0.05	0.02	6.33
322	4667	0.01	0.01	0.00	1.06	2.19	1.61	0.80	0.40	0.20	0.10	0.05	0.03	6.46
323	5900	0.03	0.01	0.01	1.40	5.00	3.65	1.83	0.91	0.46	0.23	0.11	0.06	13.71
324	5411	0.02	0.01	0.01	1.40	3.87	2.93	1.42	0.71	0.35	0.18	0.09	0.04	10.93
325	5411	0.02	0.01	0.01	1.39	3.87	2.93	1.42	0.71	0.35	0.18	0.09	0.04	10.92
326	5867	0.03	0.01	0.01	1.40	5.21	3.80	1.90	0.95	0.48	0.24	0.12	0.06	14.21
327	5167	0.02	0.01	0.00	1.43	3.25	2.38	1.19	0.59	0.30	0.15	0.07	0.04	9.44
328	4833	0.01	0.01	0.00	1.20	2.48	1.82	0.91	0.45	0.23	0.11	0.06	0.03	7.41
329	5233	0.02	0.01	0.00	1.40	3.40	2.49	1.25	0.62	0.31	0.16	0.08	0.04	9.78
330	5567	0.02	0.01	0.01	1.39	4.36	3.19	1.59	0.80	0.40	0.20	0.10	0.05	12.12
331	5978	0.03	0.02	0.01	1.39	5.59	4.08	2.04	1.02	0.51	0.25	0.13	0.06	15.13
332	5500	0.02	0.01	0.01	1.36	4.14	3.03	1.51	0.76	0.38	0.19	0.09	0.05	11.56
333	5422	0.02	0.01	0.01	1.37	3.96	2.90	1.45	0.72	0.36	0.18	0.09	0.05	11.12
334	5622	0.03	0.01	0.01	1.38	4.59	3.35	1.68	0.84	0.42	0.21	0.10	0.05	12.67
335	5044	0.02	0.01	0.00	1.43	3.08	2.26	1.13	0.56	0.28	0.14	0.07	0.04	9.03
336	4844	0.01	0.01	0.00	1.24	2.58	1.90	0.95	0.47	0.24	0.12	0.06	0.03	7.82
337	4578	0.01	0.01	0.00	0.98	2.13	1.57	0.78	0.39	0.20	0.10	0.05	0.02	6.25
338	4389	0.01	0.01	0.00	0.84	1.96	1.38	0.69	0.34	0.17	0.09	0.04	0.02	5.45
339	4244	0.01	0.00	0.00	0.73	1.68	1.24	0.62	0.31	0.16	0.08	0.04	0.02	4.89
340	5044	0.02	0.01	0.00	1.40	3.14	2.30	1.15	0.58	0.29	0.14	0.07	0.04	9.15
341	5411	0.02	0.01	0.01	1.36	4.18	3.06	1.53	0.76	0.38	0.19	0.10	0.05	11.65
342	4211	0.01	0.00	0.00	0.72	1.68	1.25	0.62	0.31	0.16	0.08	0.04	0.02	4.89
343	4144	0.01	0.00	0.00	0.68	1.63	1.21	0.61	0.30	0.15	0.03	0.04	0.02	4.74
344	5544	0.03	0.01	0.01	1.35	4.61	3.38	1.69	0.84	0.42	0.21	0.11	0.05	12.71
345	5422	0.02	0.01	0.01	1.35	4.34	3.19	1.59	0.80	0.40	0.20	0.10	0.05	12.06
346	4378	0.01	0.01	0.00	0.93	2.12	1.57	0.78	0.39	0.20	0.10	0.05	0.02	6.17
347	5044	0.02	0.01	0.01	1.42	3.55	2.61	1.31	0.65	0.33	0.16	0.08	0.04	10.19
348	5822	0.03	0.02	0.01	1.35	5.56	4.07	2.04	1.02	0.51	0.25	0.13	0.06	15.05
349	5300	0.02	0.01	0.01	1.37	4.14	3.04	1.52	0.76	0.38	0.19	0.09	0.05	11.57
350	5011	0.02	0.01	0.01	1.43	3.53	2.60	1.30	0.65	0.32	0.16	0.08	0.04	10.15
351	4256	0.01	0.01	0.00	0.88	2.06	1.53	0.77	0.38	0.19	0.10	0.05	0.02	6.01
352	4178	0.01	0.01	0.00	0.75	1.78	1.33	0.66	0.33	0.17	0.08	0.04	0.02	5.18
353	2667	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
354	3244	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
355	3478	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE D-19 5 KM GRID SQUARE ESTIMATED RUNOFF DATA (CONT'D.)
GROUP N MEAN MONTHLY AND ANNUAL RUNOFF (IN)

SQN	ELEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
356	2444	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
357	2533	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
358	4278	0.01	0.01	0.00	1.01	2.32	1.72	0.86	0.43	0.21	0.11	0.05	0.03	6.75
359	4211	0.01	0.01	0.00	0.98	2.28	1.69	0.85	0.42	0.21	0.11	0.05	0.03	6.65
360	2489	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
361	2644	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
362	4122	0.01	0.01	0.00	0.93	2.20	1.64	0.82	0.41	0.20	0.10	0.05	0.03	6.41
363	4578	0.02	0.01	0.00	1.42	3.11	2.29	1.15	0.57	0.29	0.14	0.07	0.04	9.10
364	3133	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
365	2633	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
366	4578	0.02	0.01	0.00	1.46	3.19	2.35	1.18	0.59	0.29	0.15	0.07	0.04	9.35
367	3667	0.01	0.00	0.00	0.65	1.70	1.27	0.64	0.32	0.16	0.08	0.04	0.02	4.89
368	2111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
369	1856	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
370	2033	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
371	1622	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
372	1700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
373	1767	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
374	1678	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
375	1467	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
376	1922	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
377	2756	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
378	1378	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
379	1867	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
380	2678	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
381	2067	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
382	2178	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
383	2578	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
384	2344	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
385	2433	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
386	3311	0.01	0.01	0.00	0.78	2.06	1.54	0.77	0.39	0.19	0.10	0.05	0.02	5.93
387	3233	0.01	0.01	0.00	0.75	2.01	1.51	0.75	0.38	0.19	0.09	0.05	0.02	5.77
388	2300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
389	2133	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
390	3256	0.01	0.01	0.00	0.81	2.11	1.58	0.79	0.39	0.20	0.10	0.05	0.02	6.07
391	1744	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
392	2567	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
393	4300	0.01	0.00	0.00	0.76	1.61	1.18	0.59	0.30	0.15	0.07	0.04	0.02	4.74
394	4178	0.01	0.00	0.00	0.67	1.41	1.04	0.52	0.26	0.13	0.07	0.03	0.02	4.16
395	3811	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
396	4200	0.01	0.00	0.00	0.66	1.42	1.05	0.52	0.26	0.13	0.07	0.03	0.02	4.17
397	4122	0.01	0.00	0.00	0.58	1.28	0.94	0.47	0.24	0.12	0.06	0.03	0.01	3.74
398	3656	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
399	3833	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
400	4111	0.01	0.00	0.00	0.56	1.25	0.92	0.46	0.23	0.12	0.06	0.03	0.01	3.65
401	5444	0.02	0.01	0.01	1.44	4.03	2.94	1.47	0.74	0.37	0.18	0.09	0.05	11.35
402	4111	0.01	0.00	0.00	0.56	1.26	0.93	0.47	0.23	0.12	0.05	0.03	0.01	3.70
403	4422	0.01	0.01	0.00	0.86	1.82	1.34	0.67	0.33	0.17	0.08	0.04	0.02	5.35
404	5256	0.02	0.01	0.01	1.45	3.53	2.58	1.29	0.65	0.32	0.16	0.08	0.04	10.14
405	5200	0.02	0.01	0.00	1.45	3.41	2.49	1.25	0.62	0.31	0.16	0.08	0.04	9.83
406	4200	0.01	0.00	0.00	0.66	1.45	1.07	0.54	0.27	0.13	0.07	0.03	0.02	4.26
407	3778	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
408	5178	0.02	0.01	0.00	1.45	3.38	2.47	1.24	0.62	0.31	0.15	0.08	0.04	9.77
409	4311	0.01	0.01	0.00	0.98	2.26	1.67	0.84	0.42	0.21	0.10	0.05	0.03	6.58
410	4156	0.01	0.01	0.00	0.91	2.16	1.61	0.80	0.40	0.20	0.10	0.05	0.03	6.29
411	4256	0.01	0.01	0.00	1.04	2.43	1.80	0.90	0.45	0.22	0.11	0.06	0.03	7.06
412	4267	0.01	0.01	0.00	0.97	2.26	1.67	0.84	0.42	0.21	0.10	0.05	0.03	6.58
413	3644	0.01	0.00	0.00	0.49	1.32	0.99	0.49	0.25	0.12	0.06	0.03	0.02	3.79
414	3800	0.01	0.01	0.00	0.67	1.77	1.32	0.66	0.33	0.17	0.08	0.04	0.02	5.08
415	3689	0.01	0.00	0.00	0.64	1.69	1.27	0.64	0.32	0.15	0.08	0.04	0.02	4.97
416	3644	0.01	0.00	0.00	0.53	1.40	1.05	0.53	0.26	0.13	0.07	0.03	0.02	4.03
417	4678	0.02	0.01	0.00	1.50	3.27	2.41	1.21	0.60	0.30	0.15	0.08	0.04	9.60
418	4231	0.02	0.01	0.00	1.16	2.70	2.00	1.00	0.50	0.25	0.13	0.06	0.03	7.85
419	4811	0.02	0.01	0.01	1.56	4.00	2.95	1.47	0.74	0.37	0.18	0.09	0.05	11.64
420	4889	0.02	0.01	0.01	1.51	3.89	2.87	1.43	0.72	0.36	0.18	0.09	0.04	11.13
421	4633	0.02	0.01	0.00	1.54	3.37	2.49	1.24	0.62	0.31	0.16	0.08	0.04	9.87
422	4622	0.02	0.01	0.01	1.60	3.65	2.70	1.35	0.67	0.34	0.17	0.08	0.04	10.64
423	4489	0.02	0.01	0.01	1.55	3.47	2.56	1.28	0.64	0.32	0.15	0.08	0.04	10.13
424	4656	0.02	0.01	0.01	1.56	3.52	2.60	1.30	0.65	0.32	0.16	0.08	0.04	10.27
425	4778	0.02	0.01	0.01	1.55	3.92	2.39	1.44	0.72	0.36	0.18	0.09	0.05	11.25
426	4411	0.02	0.01	0.00	1.51	3.41	2.52	1.26	0.63	0.32	0.16	0.08	0.04	9.96

TABLE D.20

OKANAGAN LAKE SUB-BASIN ESTIMATES (1931-60)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Temperature (^{o}F)	20.1	25.1	29.8	41.3	50.4	55.8	61.1	59.3	52.8	41.7	28.2	24.6	40.8
Precipitation	2.3	1.9	1.6	1.3	1.9	2.3	1.4	1.5	1.5	1.8	2.0	2.4	21.8
Melt	0.0	0.0	1.3	7.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7
Act. Evapotrans.	0.0	0.0	0.1	1.3	2.9	3.6	3.6	2.7	1.8	1.2	0.0	0.0	17.3
F.D.M. Runoff	0.0	0.0	0.2	0.7	1.8	1.3	0.6	0.1	-0.1	-0.1	0.0	0.1	4.6
W.B.M. Runoff	0.0	0.0	0.0	0.6	1.6	1.2	0.6	0.3	0.1	0.1	0.0	0.0	4.5
Observed Runoff	0.0	0.0	0.2	0.6	1.8	1.1	0.4	0.3	0.1	0.1	0.0	0.0	4.8
1921-70 Obs. R.	0.0	0.0	0.2	0.6	1.7	1.0	0.4	0.3	0.1	0.1	0.0	0.0	4.5

Observed Runoff = measured lake outflow ± lake storage change + lake evaporation

- lake precipitation + consumptive use

APPENDIX E

SUB-BASIN CHARACTERISTIC MODELLING
BASIC DATA AND RESULTS

E-1 Basin Characteristic Modelling Data and Results

E-2 Multiple Regression Equations (Tables E-7 to E-22)

APPENDIX E-1

BASIN CHARACTERISTICS MODELLING DATA AND RESULTS

E.1.1 Introduction

E.1.2 Streamflow Data

E.1.3 Discussion

APPENDIX E-1

BASIN CHARACTERISTICS MODELLING DATA

AND

RESULTS

E.1.1 INTRODUCTION

The determination of streamflow data from the physical characteristics of the drainage basin is described in Chapter 7 (Basin Characteristic Modelling) of Technical Supplement II - Water Quantity Computer Models. Data used in this modelling is summarized in Tables E.1 and E.2 and Figures E.1 to E.4.

Multiple regression analysis was performed on untransformed and log transformed data to derive separate relationships for 1971 and 1972 runoff. Of the characteristics studied (Table E.3), it was found that the median basin elevation, latitude, basin azimuth and areas of lakes and swamps were the most significant transforming the data to natural logarithms result in some improvement in the reliability of runoff estimates, especially for those sub-basins with very low runoff amounts.

E.1.2 STREAMFLOW DATA

Since annual runoff data for 1972 were not available in time, April-July runoff, which forms 80 to 95% of annual runoff was the streamflow characteristic (dependent variable) used. Unit runoff (acre-feet per square mile) was used instead of volume (acre-feet) in order to eliminate "area" as an independent variable in the multiple regression analysis since otherwise it would have dominated the computations. The April to July unit runoff data for 1971 and 1972 are summarized in Table E.4. Tables E.5 and E.6 were developed from this data to provide estimates of the mean annual runoff and the ratios shown in Figures E.7 and E.8.

E.1.3 DISCUSSION

The results of various multiple regression analysis are included in Tables E.7 to E.22 (Appendix E.2). For estimating 1971 runoff for ungauged sub-basins, the equation shown in Table E.11 is the most significant. This equation explains 81% of the variation in runoff with a standard error of 24%. If one were to use only basin characteristics to estimate runoff, the log equation in Table E.9 (Equation A.4) would explain 77% of the variation with a standard error 27%.

For estimating 1972 runoff, the best equation is that shown in Table E.17

(Equation A.12) using log-transformed data. This equation explains 77% of the variation in 1972 runoff with a standard error of 16%.

The percentage error for each as determined by the 1971 equation in Table E.11 (Equation A.6) is shown in Figure E.5 while Figure E.6 illustrates the errors for the 1972 equation (Table E.17 - Equation A.12)

Finally, in order to extrapolate the data from 1971 and 1972 to include the mean runoff for the period 1967-1971, the following procedure is proposed:

a) Average 1971 and 1972 April-July runoff estimates obtained from multiple regression equations.
b) Multiply by ratio shown in Figure E.7 for areas in which sub-basin is located.
c) Divide the mean April-July runoff estimate obtained in Step 2 by the ratio in Figure E.8 corresponding to the median basin elevation for the sub-basin to obtain the mean annual runoff estimate.

The multiple regression results for 1972 were much better than for 1971 data. As 1972 was an extremely high runoff year, it is possible that this type of analysis is more reliable for high runoff years than low runoff years.

TABLE E.1

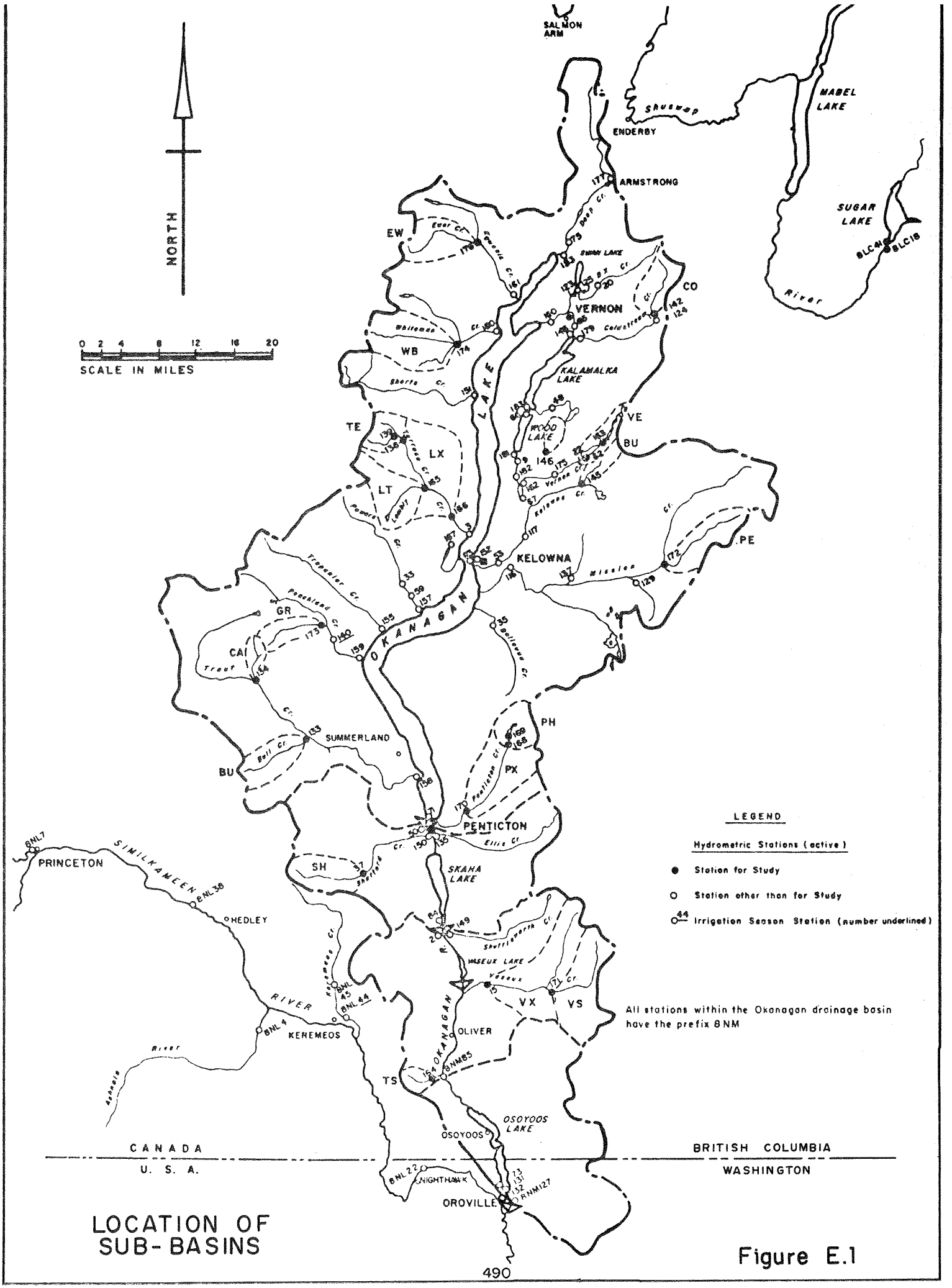
BASIN CHARACTERISTIC DATA

SUB-BASIN		Area	Elevation of gauging Station	Maximum Basin Elevation	Median Basin Elevation	Latitude	Forested Area		Surface Storage Area		Area Above 5000' Elev.		Area Above 4500' Elev.		Basin Rise	Basin Length	Basin Slope	Basin Azimuth	Median Channel Elevation	Channel Rise	Main Channel Length	Channel Slope
SYMBOL	NAME	AR			BELEV	LAT	AF	AFP	SS	SSP	AR50	AR50P	AR45	AR45P	BRISE	BLEN	BHSL	BAZ	CELEV	CRISE	CLEN	CHSL
		sq.mi.	ft.	ft.	ft.	Deg.N	sq.mi.	%	sq.mi.	%	sq.mi.	%	sq.mi.	%	ft.	mi.	ft/mi.	radians	ft.	ft.	miles	ft/mi.
TE	Terrace Cr. near Kelowna	13.42	4400	5700	4880	50.07	13.19	97.82	0.28	2.06	5.62	41.9	14.12	97.8	770	4.42	42.9	2.08	4790	550	4.50	124
LT	Lambly Cr. above Terrace Cr.	29.08	2750	6000	4560	49.99	28.83	99.15	0.08	0.26	9.04	31.1	15.30	52.6	1900	9.00	101.0	1.44	3230	2330	11.60	201
LX	Lambly Cr. below Bald Range Cr (LB)	46.90	2060	5500	3940	49.96	45.78	97.51	0.04	0.09	3.90	8.3	12.87	27.4	1880	10.70	114.0	2.68	4100	2050	11.58	177
WB	Whiteman Cr. above Boulleau Cr.	42.17	2070	6600	4750	50.21	41.80	99.13	0.26	0.62	14.38	34.1	29.01	68.8	1670	12.60	98.9	2.00	3570	2260	12.07	187
PE	Pearson Cr. near the Mouth	28.82	3050	6600	5120	49.89	28.22	97.92	0.20	0.70	15.59	54.1	19.97	69.3	2100	10.42	94.6	4.85	4890	2770	12.90	215
CL	Clark Cr. near Winfield	6.27	3350	5100	4450	50.05	6.27	100.00	0.00	0.00	0.15	2.4	2.85	45.4	880	3.97	87.0	4.47	4040	1030	4.08	252
CO	Coldstream Cr. above Municipal Intake	23.02	1940	5400	3670	50.26	22.96	99.76	0.05	0.20	0.26	1.1	2.14	9.3	1430	6.00	138.0	3.18	2960	1570	7.40	212
EW	Ewer Cr. near the Mouth	18.94	2150	5600	4810	50.36	18.79	99.22	0.04	0.22	7.41	39.1	12.65	66.8	1670	8.21	112.0	1.19	3860	2670	10.05	266
VE	Vernon Cr. above Outlet of Swalwell Lk.	25.52	4400	5400	4670	50.04	23.45	91.99	2.03	7.97	2.64	10.4	19.00	74.6	560	8.73	45.7	2.85	4430	40	9.90	4.0
BU	Bulman Cr. at the Mouth	5.83	4075	4900	4600	50.00	5.73	98.36	0.10	1.64	0.0	0.0	4.23	72.5	390	3.95	57.4	4.41	4400	480	3.75	128
TS	Testalinden Cr. in Canyon	4.68	1400	6000	4170	49.12	2.80	59.93	0.01	0.16	1.24	26.4	1.91	40.9	2960	4.00	171.0	2.02	3380	2940	4.63	639
SH	Shatford Cr. near Penticton	37.43	2400	6900	5020	49.43	35.67	95.18	0.04	0.11	18.89	50.4	23.87	63.7	2540	8.77	121.0	1.96	3800	2430	10.00	243
CA	Camp Cr. at Mouth near Thirsk	14.08	3260	6200	4770	49.72	14.00	99.43	0.08	0.57	5.48	38.9	8.70	61.8	1860	5.21	122.0	2.89	3550	390	4.30	90.7
BL	Bull Cr. near Crump	18.62	2760	6200	5010	49.63	18.55	99.60	0.00	0.00	9.46	50.8	13.56	72.8	1710	7.97	81.8	0.82	4290	2120	8.15	260
GR	Greata Cr. near the Mouth	16.33	2980	5600	4210	49.80	16.25	99.50	0.07	0.45	1.93	11.8	5.68	34.8	1460	6.79	103.0	1.56	3460	720	7.00	103
VS	Vaseux Cr. above Solco Cr.	44.78	3860	7400	5520	49.25	44.52	99.41	0.11	0.25	37.08	83.0	43.62	97.4	1350	8.21	82.8	4.85	5010	1740	10.27	170
VX	Vaseux Cr. above Dutton Cr. (VD)-VS	52.70	1850	6700	5020	49.26	51.72	98.15	0.22	0.42	27.30	51.8	40.88	77.6	1840	13.14	118.0	4.96	2900	3030	16.80	184
PD	Penticton Cr. above Dennis Cr.	13.70	5040	7000	5610	49.62	12.97	94.67	0.62	4.49	13.70	100.0	13.70	100.0	930	4.93	84.4	3.43	5420	550	5.50	100
PX	Penticton Cr. below Harris Cr.(PH)-PD	43.76	2000	7000	5360	49.52	43.61	99.65	0.15	0.34	29.28	67.0	35.96	82.2	2160	10.74	99.8	4.66	3480	2520	9.60	263
	High	52.70	5040	7400	5610	50.36	51.72	100.0	2.03	7.97	37.08	100.0	43.62	100.0	2960	13.14	171.0	4.96	5420	3030	16.80	639
	Low	2.68	1400	4900	3940	49.12	2.80	59.93	0.00	0.00	0.00	0.0	1.91	9.3	390	3.95	42.9	0.82	2900	40	3.75	40
	Mean	25.58	2940	6100	4744	49.790	25.0	96.12	0.23	10.42	10.70	37.0	16.79	63.92	1583	7.78	99.2	2.94	3977	1698	8.63	198.4
	Standard Deviation	15.16	1028	718	51	0.36	15.1	9.01	0.46	19.96	10.83	27.96	12.75	24.39	662	2.92	30.9	1.38	711	994	3.61	128.7

TABLE E.2

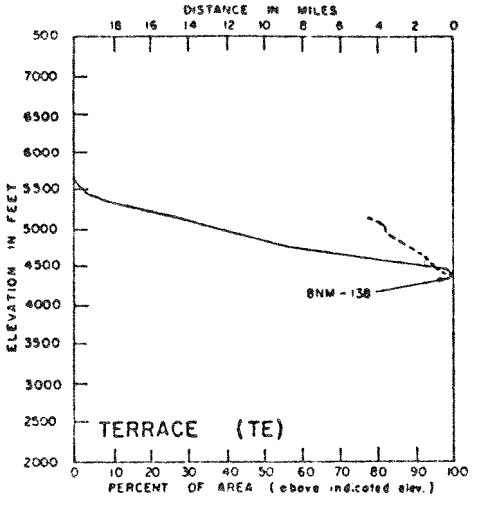
1971 SUB-BASIN PRECIPITATION (inches)

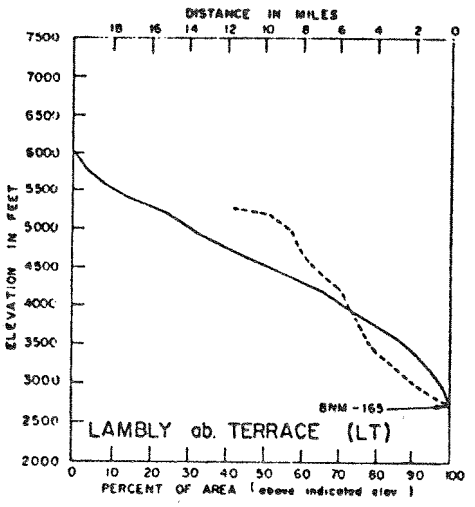
SUB-BASIN		Jan-Mar	Apr-Jul	Sep-Oct	Sep-Nov	Oct-Dec	Annual
SYMBOL	NAME	PPN 1	PPN 2	PPN SO	PPN SN	PPN OD	PPN A
TE	Terrace Cr. near Kelowna	8.67	5.32	4.29	8.18	13.24	28.45
LT	Lambly Cr. above Terrace Cr	7.53	5.45	4.08	7.24	12.09	29.32
LB	Lambly Cr. below Bald Range Cr.	7.99	5.82	3.91	6.73	11.23	29.10
LX	LB-LT-TE	8.08	6.19	3.70	5.64	9.51	29.15
WB	Whiteman Cr. above Bouleau Cr.	9.80	7.02	4.93	8.72	12.35	34.35
PE	Pearson Creek near the Mouth	15.12	9.26	2.70	6.06	10.23	36.30
CL	Clark Cr. near Winfield	8.27	10.24	3.87	5.96	11.09	31.44
CO	Coldstream Cr. above Municipal Intake	7.89	9.08	3.96	6.32	9.70	33.84
EW	Ewer Cr. near the Mouth	11.51	8.72	5.10	8.50	12.56	32.98
VE	Vernon Cr. at Outlet of Swalwell Lk.	8.05	11.09	4.85	7.43	10.94	36.75
BU	Bulman Cr. at the Mouth	7.34	10.41	4.59	6.92	9.24	32.80
TS	Testalinden Cr. in Canyon	5.77	4.84	2.27	3.51	6.13	22.50
SH	Shatford Cr. near Penticton	7.72	9.41	4.07	7.04	9.24	31.92
CA	Camp Cr. at the Mouth near Thirsk	7.78	6.36	3.55	4.98	8.43	26.81
BL	Bull Cr. near Crump	6.96	10.32	4.85	6.61	7.40	24.21
GR	Greata Cr. near the Mouth	8.32	5.69	3.20	5.03	9.30	23.59
VS	Vaseux Cr. above Solco Cr.	9.96	12.25	5.18	6.80	9.44	32.74
VD	Vaseux Cr. above Dutton Cr.	8.29	11.01	4.39	5.88	8.35	29.37
VX	VD-VS	6.87	9.96	3.72	5.10	7.42	26.51
PD	Penticton Cr. above Dennis Cr.	11.65	11.92	6.72	10.19	14.27	40.99
PH	Penticton Cr. below Harris Cr.	11.53	12.34	5.42	8.10	12.36	41.06
PX	PH-PD	11.49	12.47	4.97	7.38	11.66	41.08

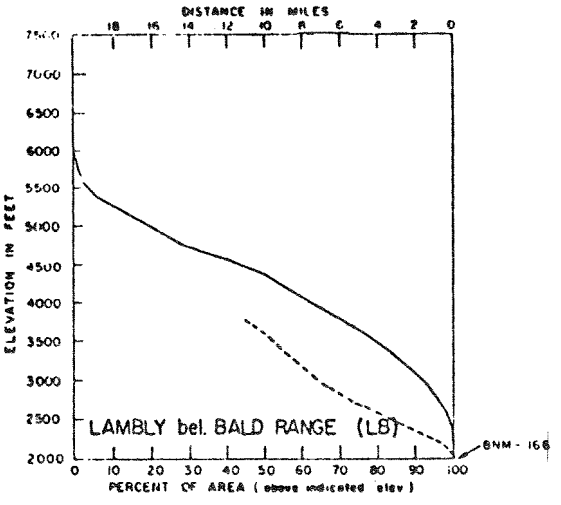


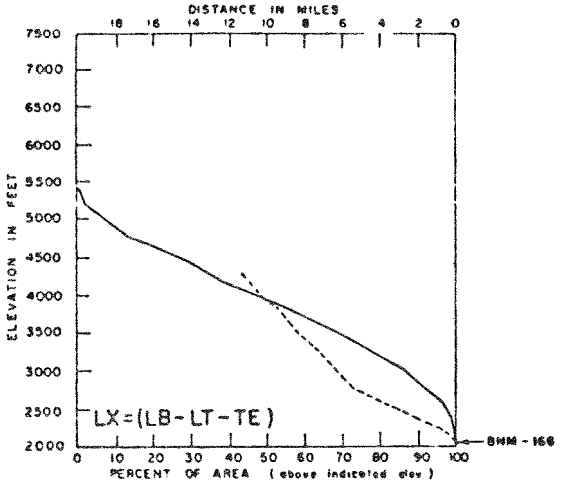
LOCATION OF SUB-BASINS

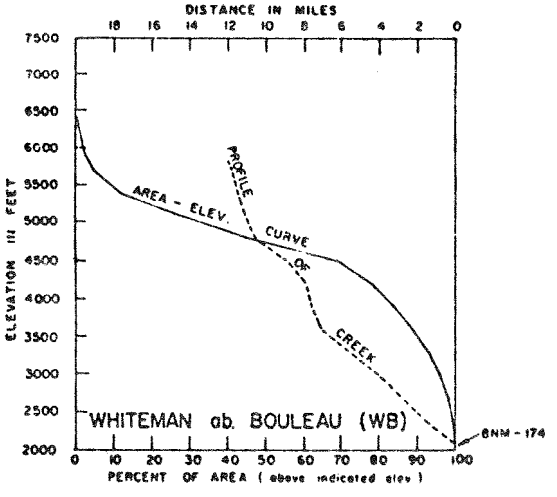
Figure E.1

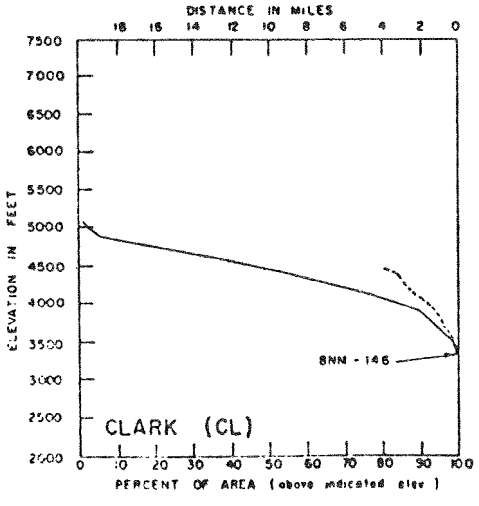


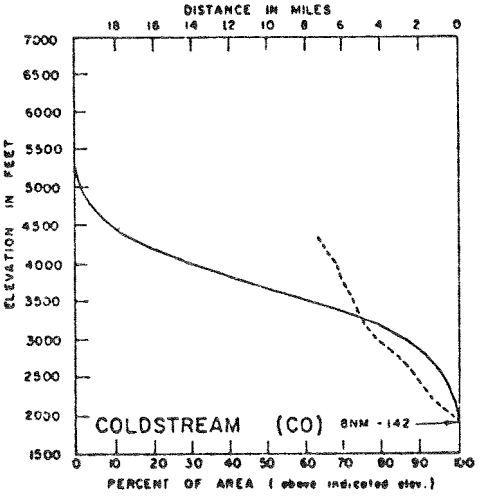


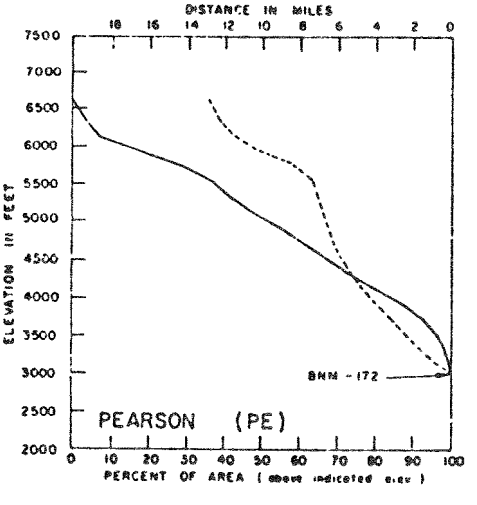






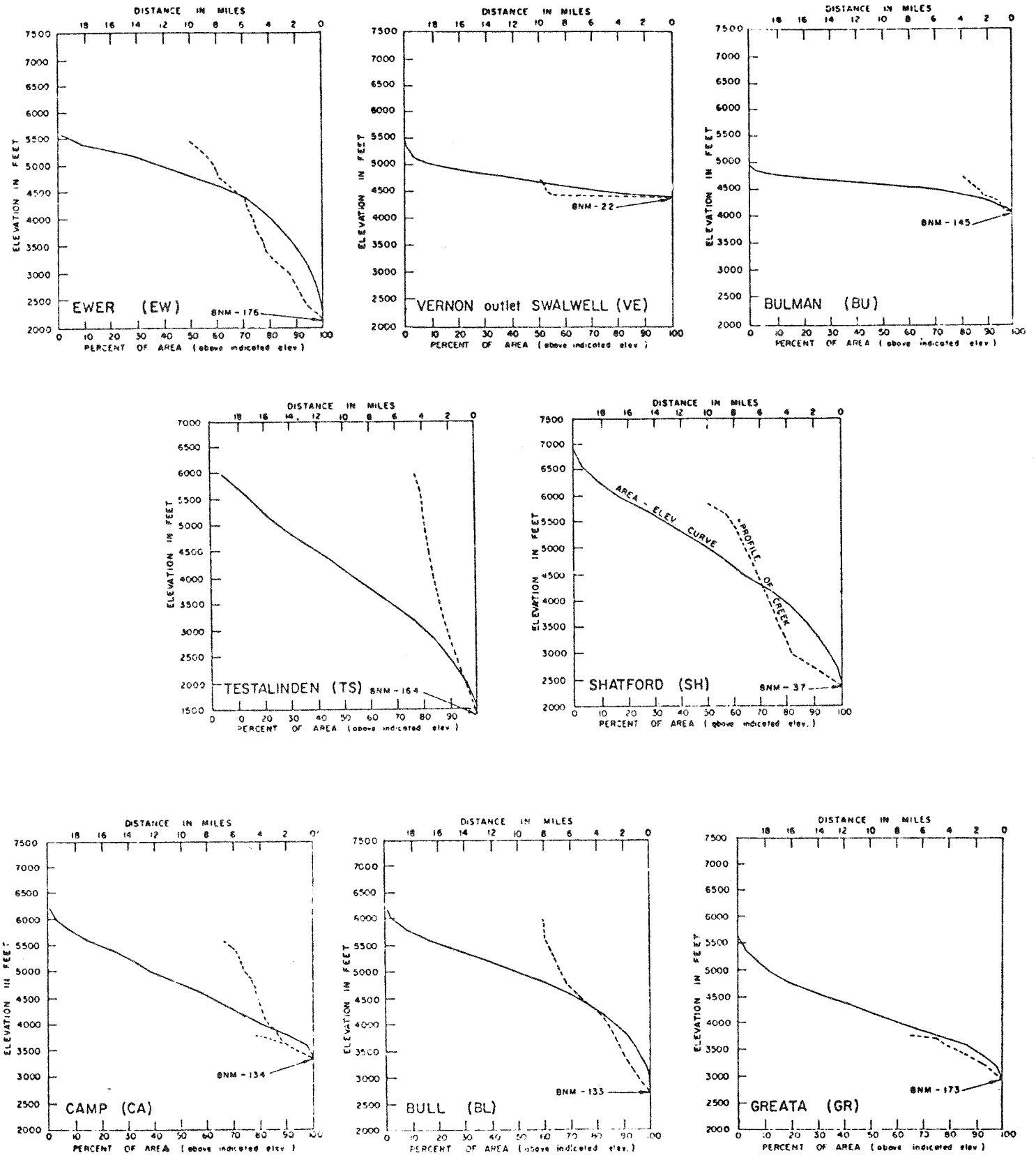






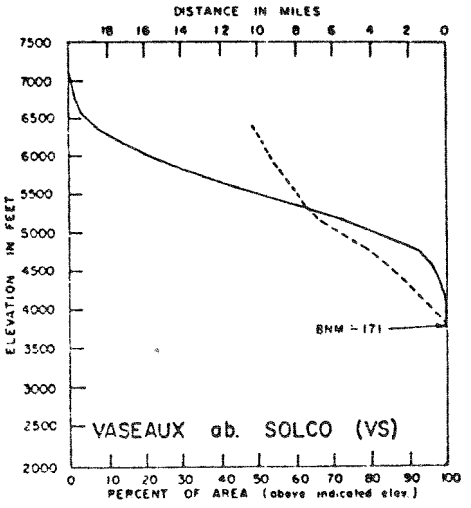
SUB-BASIN AREA ELEVATION CURVES AND STREAM PROFILES

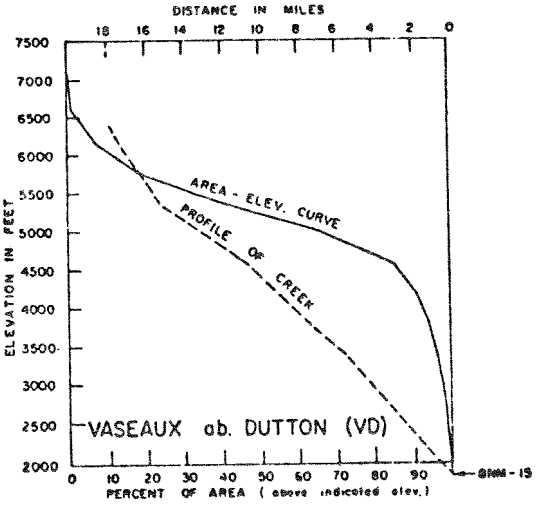
Figure E.2

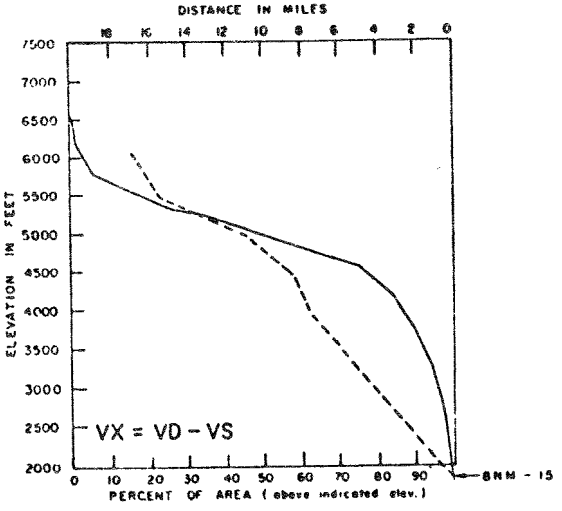


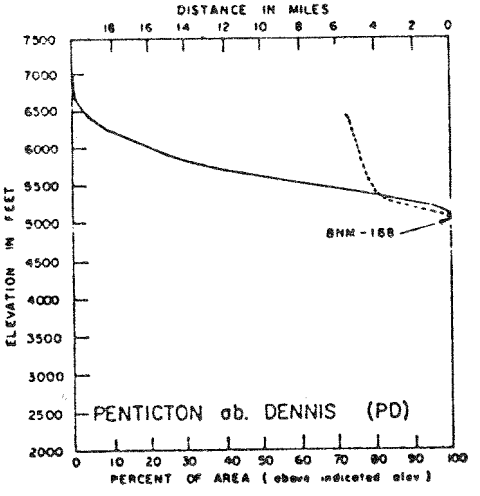
SUB-BASIN AREA ELEVATION CURVES AND STREAM PROFILES

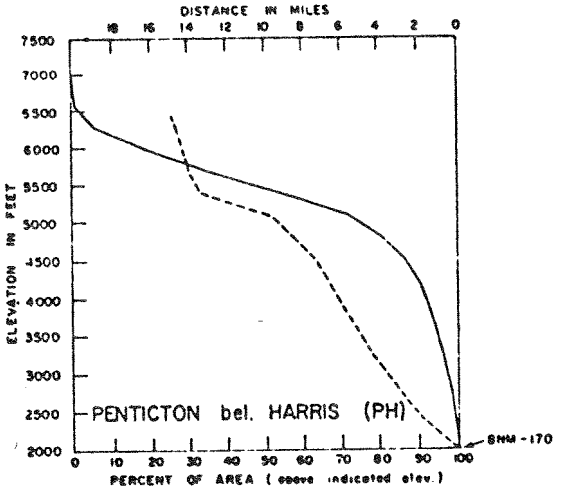
Figure E.3

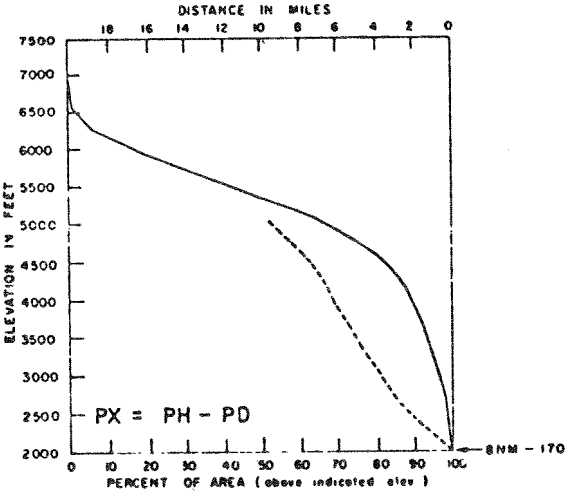












SUB-BASIN AREA ELEVATION CURVES AND STREAM PROFILES

Figure E.4

TABLE E.3

MULTIPLE REGRESSION ANALYSIS RESULTS

YEAR	INDEPENDENT VARIABLES USED	DEPENDENT VARIABLE	INDEPENDENT VARIABLES	R	R^2	STANDARD ERROR ac-ft/ sq.mi.	STANDARD ERROR %	PAGE NO
1971	Basin characteristics only	SURO2	BELEV LAT BAZ	.823	.68	133	33	494
		"	AR45P	.725	.53	148	36	494
		LSURO2	LBELEV LLAT LBAZ	.879	.77	109	27	495
		"	LBELEV	.701	.49	153	37	495
	Precipitation included	SURO2	PPN 1 AR45P	.899	.81	97	24	496
		"	PPN 1	.760	.58	140	34	496
		LSURO2	LPPN 1 LAR45P LBAZE LSSP	.892	.80	107	26	497
		"	LBELEV	.701	.49	153	37	497
1972	Basin characteristics only	SURO2	BELEV LAT	.830	.69	95	18	498
		"	BELEV	.653	.43	126	24	498
		LSURO2	LBELEV LLAT LSSP	.877	.77	85	16	499
		"	LBELEV	.658	.43	125	24	499
	Precipitation included	SURO2	PPN SN BELEV LAT	.830	.69	98	19	500
		"	PPN SN	.681	.46	122	23	500
		LSURO2	LPPNSN LBELEV LLAT LSSP	.848	.72	98	19	501
		"	LPPNSN	.680	.46	121	23	501

SURO2	April-July unit runoff
BELEV	Median basin elevation.
LAT	Latitude
BAZ	Basin Azimuth
BAZE	Basin Azimuth referenced to east
AR45P	Percent area of basin above 4500 ft.
SSP	Percent area of basin covered by lakes and swamps
PPN 1	January-March precipitation
PPNSN	September-November precipitation
L.....	log transformed data

TABLE E.4

1971 & 1972 SUB-BASIN NATURAL RUNOFF

SUB-BASIN SYMBOL	SUB-BASIN NAME	AREA	APRIL-JULY RUNOFF 1971 ac-ft	1971 ac-ft/sq.mi.	1971 inches	1972 ac-ft	1972 ac-ft/sq.mi.	1972 inches
TE	Terrace Creek near Kelowna	13.42	9486	707	13.26	9046	674	12.64
LT	Lambly Creek above Terrace Cr.	29.08	13890	478	8.96	17222	592	11.10
LB	Lambly Creek below Bald Range Cr.	89.44	36180	404	7.58	46680	522	9.79
LX	LB-LT-TE	46.94	12804	273	5.12	20412	435	8.16
WB	Whiteman Creek above Bouleau Cr.	42.17	20820	494	9.26	23820	565	10.59
PE	Pearson Creek near the Mouth	28.82	23480	815	15.28	24913	864	16.20
CL	Clark Creek near Winfield	6.27	1619	258	4.84	1968	313	5.87
CO	Coldstream Creek above Municipal Intake	23.02	4561	198	3.71	9210	400[e]	7.51
EW	Ewer Creek near the Mouth	18.94	8550	451	8.46	12717	672	12.60
VE	Vernon Creek at Outlet of Swalwell Lake	25.52	10924*	428	8.02	13985*	548	10.27
BU	Bulman Creek at the Mouth	5.83	1835*	315	5.91	2375*	408	7.65
TS	Testalinden Creek in Canyon	4.68	691	148	2.78	1076	230	4.31
SH	Shatford Creek near Penticton	37.48	10320	275	5.16	19880	530	9.94
CA	Camp Creek at Mouth near Thirsk	14.08	3865	274	5.14	7264	516	9.68
BL	Bull Creek near Crump	18.62	3810	205	3.84	8857	476	8.92
GR	Greata Creek near the Mouth	16.33	1776	109	2.04	5159	316	5.92
VS	Vaseux Creek above Solco Cr.	44.78	27750	620	11.62	27848	622	11.66
VD	Vaseux Creek above Dutton Cr.	97.48	49020	503	9.43	48000	492	9.22
VX	VD-VS	52.70	21270	404	7.58	20152	382	7.16
PD	Penticton Creek above Dennis Cr.	13.70	10329*	754	14.14	10429*	762	14.29
PH	Penticton Creek below Harris Cr.	57.46	34816	606	11.36	32750	570	10.69
PX	PH-PD	43.76	24487	560	10.50	22321	510	9.56

* Runoff obtained by Outflow(recorded) + Storage change (recorded) + Evaporation(estimated)

e Estimated

TABLE E.5

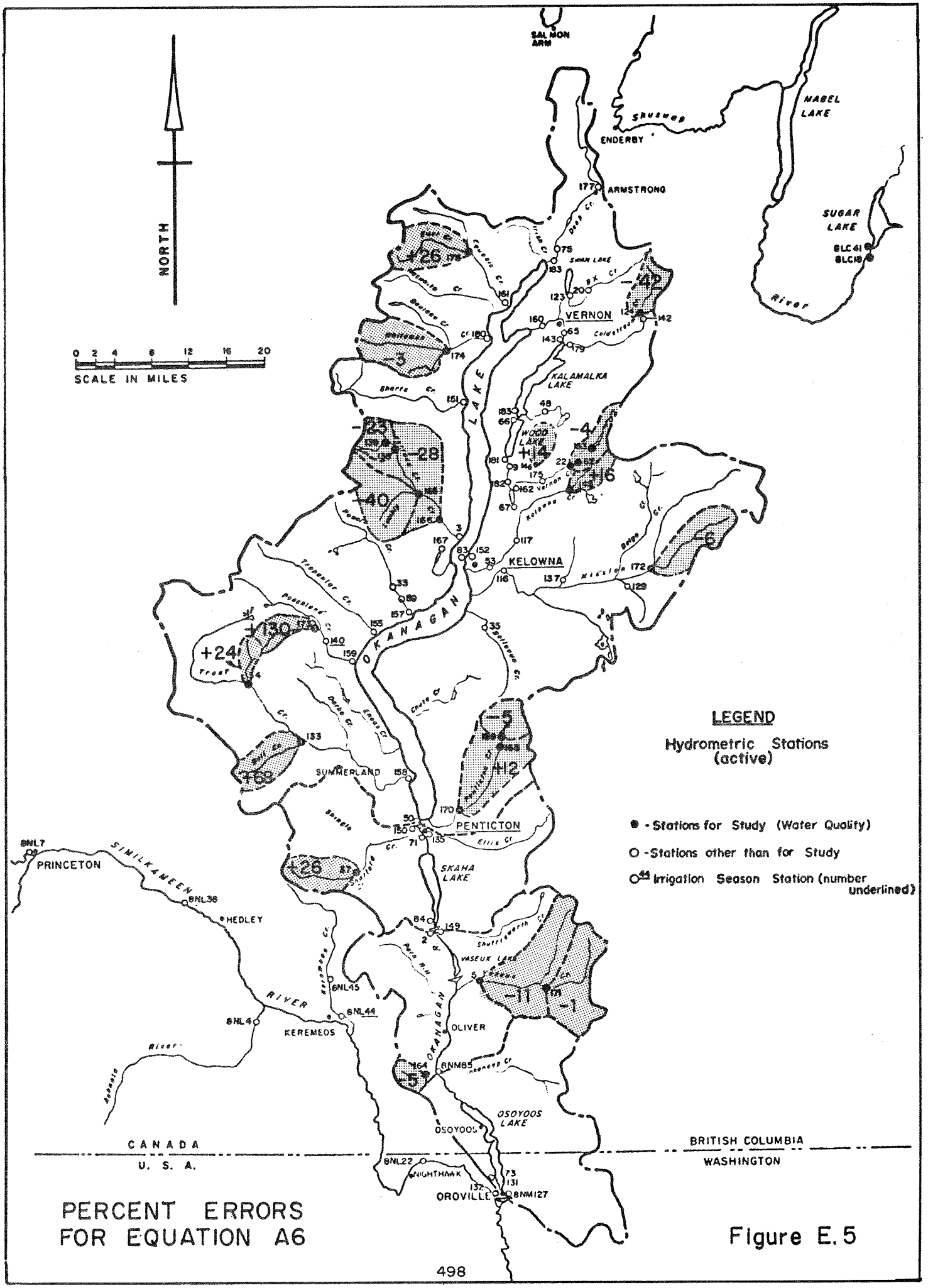
RATIO OF 1967-1971 MEAN TO 1971-1972
MEAN APRIL-JULY RUNOFF

Gauging Number	Station Name	Median Basin Elevation	APRIL-JULY RUNOFF (ac.ft.)					1967-71 Mean	1972	1971-72 Mean	1967-71 Mean / 1971-72 Mean
			1967	1968	1969	1970	1971				
8NM-138	Terrace	4,880	7,698	7,857	6,971	5,378	9,486	7,478	9,046	9,266	.806
8NM-020	BX	3,780	5,485	5,097	6,111	2,963	7,056	5,343	10,968	9,012	.593
8NM-138	Daves	4,260	1,342	1,358	988	669	2,782	1,428	3,544	3,163	.452
8NM-129	Joe Rich	4,260	3,353	2,939	3,311	1,427	4,154	3,037	5,015	4,584	.662
8NM-134	Camp	4,770	2,788	2,871	2,656	1,369	3,865	2,710	7,264	5,564	.487
8NM-037	Shatford	5,020	7,595	7,094	7,290	3,658	10,324	7,192	19,880	15,102	.476
8NM-015	Vaseux	5,240	39,788	25,525	41,870	17,004	49,020	34,642	48,000	48,510	.714

TABLE E.6

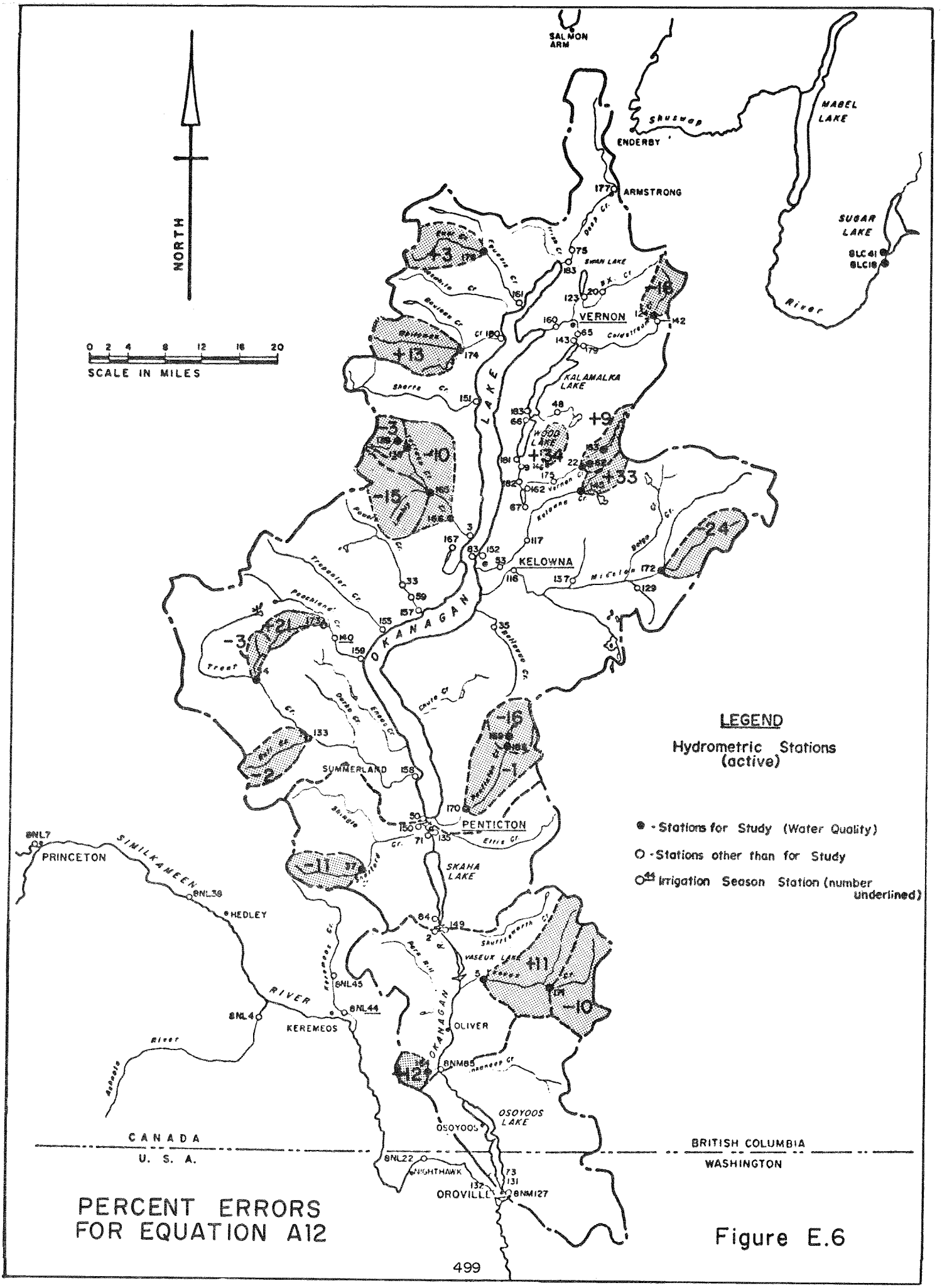
RATIO OF APRIL-JULY TO ANNUAL RUNOFF

ELEVATION BAND	SUB-BASIN	MEDIAN BASIN ELEVATION	APR-JUL/ANNUAL 1970	1971	
5,000 - 5,500	Vaseux	5,240	.86	.94	
	Esperon	5,180	.94	.96	
	Shatford	5,020	.83	.92	
	Bull	5,010	.77	.94	
	Pearson		-	.91	
	Average		.85	.93	.90
4,500 - 5,000	Terrace	4,880	.92	.96	
	Camp	4,770	.70	.85	
	Ewer		-	.85	
	Whiteman Cr. ab. Bouleau Cr.		-	.92	
	Whiteman Cr. at mouth		-	.95	
	Lambly Cr. ab. Terrace Cr.		-	.90	
	Average		.81	.90	.88
4,000 - 4,500	Clark	4,450	.96	.96	
	Lambly Cr. bel. Terrace Cr.	4,400	.89	-	
	Joe Rich	4,260	.68	.79	
	Daves	4,260	.81	.91	
	Lambly Cr. bel. Bald Range Cr.		-	.92	
	Greata		-	.81	
	Testalinden		-	.82	
	Average		.83	.88	.86
3,500 - 4,000	BX	3,780	.79	.89	
	Coldstream	3,670	.76	.89	
	Average		.78	.87	.83



PERCENT ERRORS FOR EQUATION A6

Figure E.5



PERCENT ERRORS FOR EQUATION A12

Figure E.6

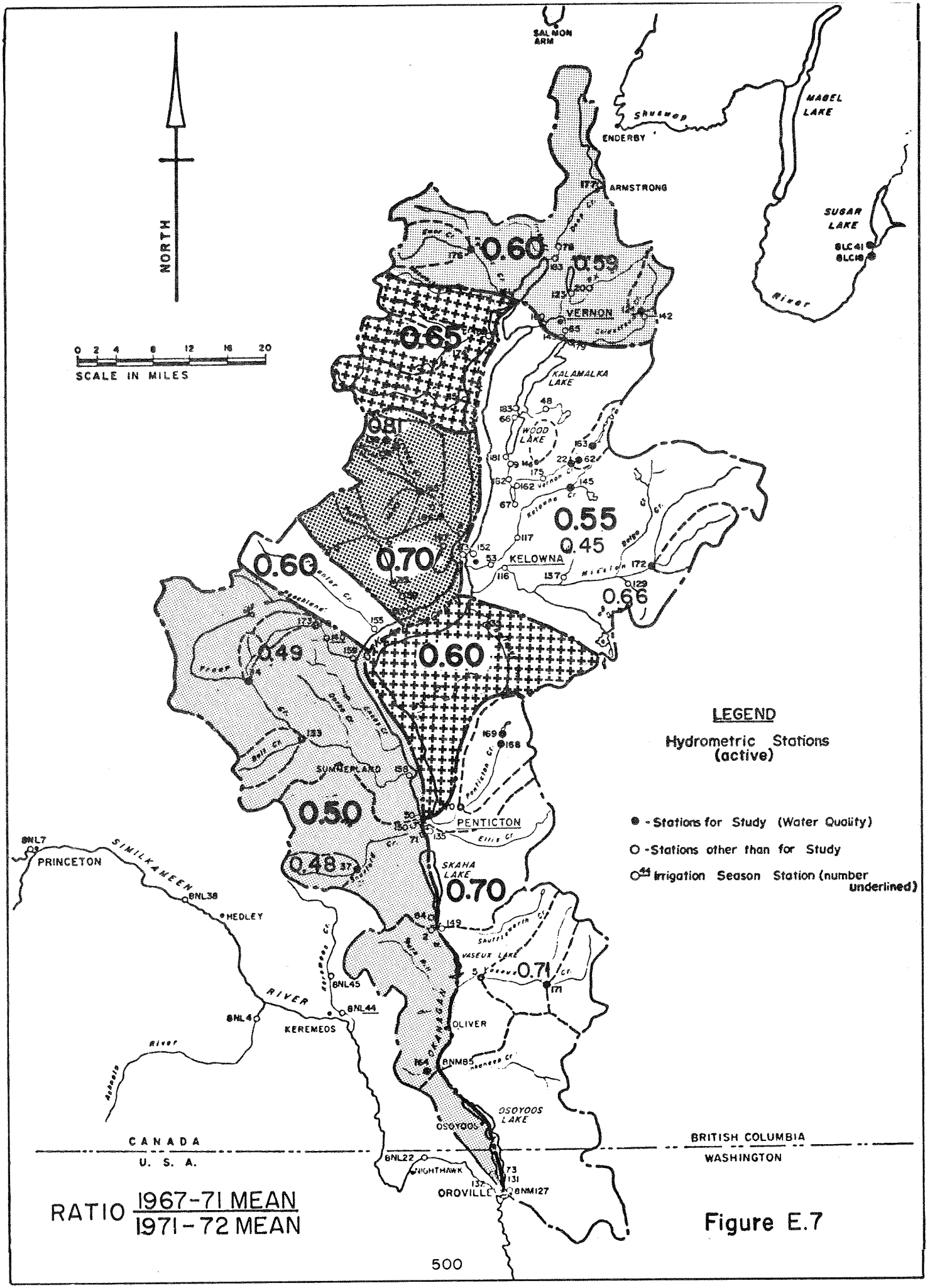
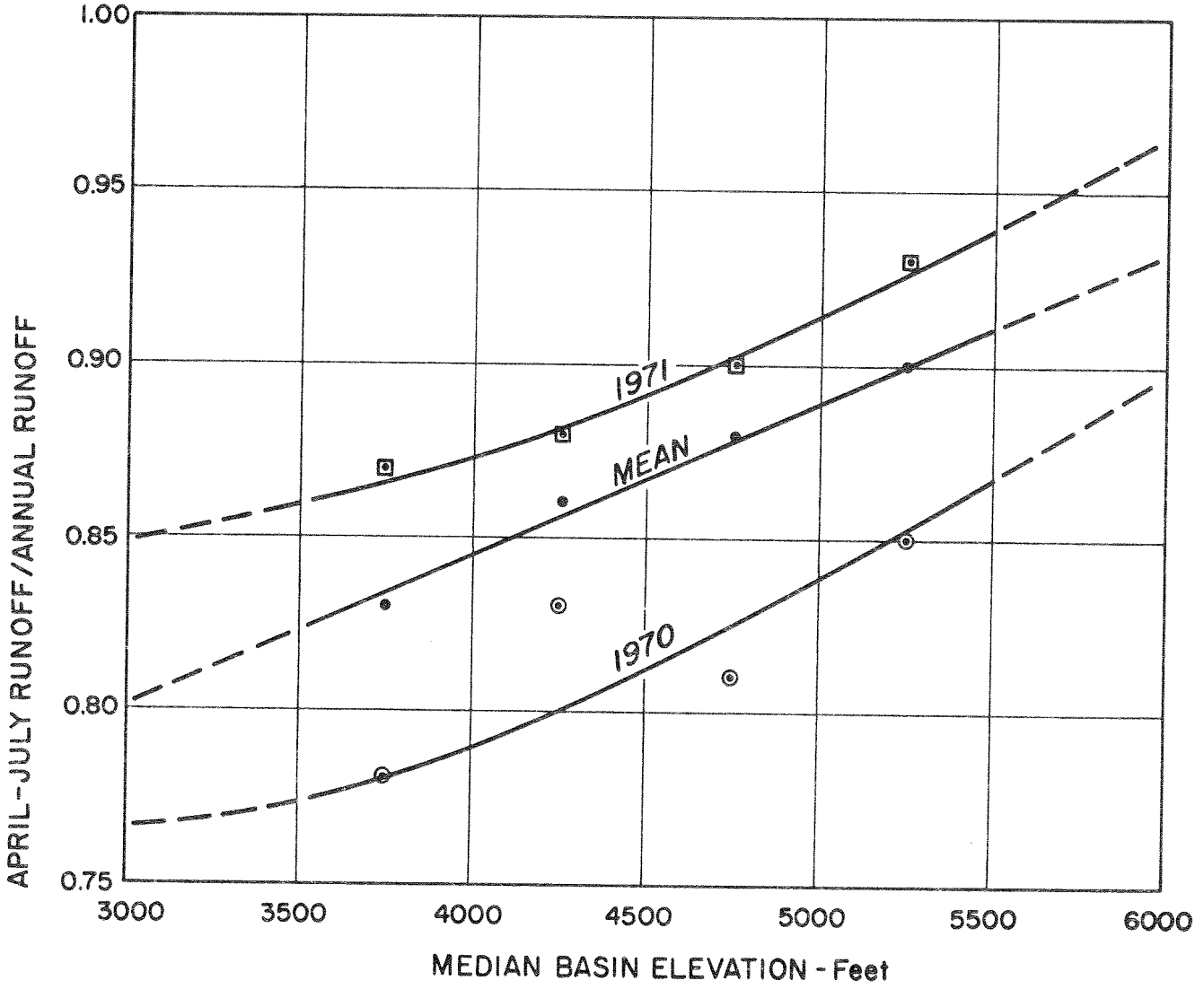

NORTH
0 2 4 8 12 16 20
SCALE IN MILES
SALMON ARM
SHUSWAP
ENDERBY
ARMSTRONG
MABEL LAKE
SUGAR LAKE
BLC41
BLC18
River
VERNON
KALAMALKA LAKE
WOOD LAKE
KELOWNA
0.60
0.59
0.65
0.81
0.70
0.55
0.45
0.66
0.49
0.60
0.50
0.48
0.70
0.71
SUMMERLAND
PENTICTON
SKAHA LAKE
PRINCETON
SIMILKAMEEN
8NL7
8NL38
HEDLEY
8NL45
8NL44
8NL4
KEREMEOS
RIVER
OLIVER
8NM85
OSOYOOS
OSOYOOS LAKE
8NL22
NIGHTHAWK
OROVILLE
8NM127
CANADA
U. S. A.
BRITISH COLUMBIA
WASHINGTON
LEGEND
Hydrometric Stations (active)
● - Stations for Study (Water Quality)
O - Stations other than for Study
O44 Irrigation Season Station (number underlined)
RATIO 1967-71 MEAN / 1971-72 MEAN

Figure E.7



VARIATION OF APRIL-JULY / ANNUAL RUNOFF
WITH MEDIAN BASIN ELEVATION

Figure E.8

APPENDIX E-2

MULTIPLE REGRESSION EQUATIONS

AND

ANALYSES

TABLES E.7 TO E.22

TABLE E.7

OK SUB-BASIN 1971 RO FROM BASIN CHARACTERISTICS — RUN M

(Y 1) SURC2 = + 3.3098 BELEV (X 2) SB = 0.6736 T = 4.91 PAR R =0.7854
+ 2.5512 LAT (X 3) SB = 0.9402 T = 2.71 PAR R =0.5738
+ 0.3539 BAZ (X 7) SB = 0.2359 T = 1.50 PAR R =0.3612
- 139.7126 STAND. ERROR = 1.2997

MULT R = 0.8229 R SQUARED = 0.6771 F(3,15) = 10.48

	ESTIMATED RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR
TE	4.913	7.070	-2.157	-30.5
LT	3.424	4.780	-1.356	-28.4
LX	1.805	2.730	-0.925	-33.9
WB	4.812	4.940	-0.128	-2.6
PE	6.229	8.150	-1.921	-23.6
CL	4.285	2.580	1.705	66.1
CO	1.782	1.980	-0.198	-10.0
EW	5.107	4.510	0.597	13.2
VE	4.414	4.280	0.134	3.1
BU	4.633	3.150	1.483	47.1
TS	0.119	1.480	-1.361	-92.0
SH	3.702	2.750	0.952	34.6
CA	3.918	2.740	1.178	43.0
BL	3.775	2.050	1.725	84.2
GR	1.823	1.090	0.733	67.2
VS	5.920	6.200	-0.280	-4.5
VX	4.330	4.040	0.290	7.2
PD	6.659	7.540	-0.881	-11.7
PX	6.012	5.600	0.412	7.4

TABLE E.8

OK SUB-BASIN 1971 RO FROM BASIN CHARACTERISTICS — RUN M

(Y 1) SURC2 = + 0.0620 AR45P (X 1) SB = 0.0143 T = 4.34 PAR R =0.7246
+ 0.1225 STAND. ERROR = 1.4806

MULT R = 0.7246 R SQUARED = 0.5251 F(1,17) = 18.79

	ESTIMATED RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR
TE	6.190	7.070	-0.880	-12.5
LT	3.386	4.780	-1.394	-29.2
LX	1.728	2.730	-1.002	-36.7
WB	4.391	4.940	-0.549	-11.1
PE	4.422	8.150	-3.728	-45.7
CL	2.939	2.580	0.359	13.9
CO	0.700	1.980	-1.280	-64.6
EW	4.267	4.510	-0.243	-5.4
VE	4.750	4.280	0.470	11.0
BU	4.620	3.150	1.470	46.7
TS	2.660	1.480	1.180	79.7
SH	4.075	2.750	1.325	48.2
CA	3.957	2.740	1.217	44.4
BL	4.639	2.050	2.589	126.3
GR	2.282	1.090	1.192	109.3
VS	6.165	6.200	-0.035	-0.6
VX	4.924	4.040	0.884	21.9
PD	6.326	7.540	-1.214	-16.1
PX	5.240	5.600	-0.360	-6.4

TABLE E.9

OK SUB-BASIN 1971 RO FROM BASIN CHARACTERISTICS — RUN M

(Y 3) LSURO2 = + 4.2205 LBELEV (X17) SB = 0.7238 T = 5.83 PAR R =0.8330
+ 38.4761 LLAT (X18) SB = 11.0969 T = 3.47 PAR R =0.6670
+ 0.3350 LBAZ (X22) SB = 0.1420 T = 2.36 PAR R =0.5202
− 155.9645 STAND. ERROR = 0.3104

MULT R = 0.8634 R SQUARED = 0.7455 F(3,15) = 14.64

	ESTIMATED RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR	ESTIMATED[1] RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR
TE	1.544	1.956	-0.412	-21.0	4.68	7.07	-2.39	-33.9
LT	1.073	1.564	-0.491	-31.4	2.92	4.78	-1.86	-38.9
LX	0.665	1.004	-0.339	-33.7	1.95	2.73	-0.78	-28.6
WB	1.525	1.597	-0.073	-4.6	4.59	4.94	-0.35	-7.1
PE	1.892	2.098	-0.206	-9.8	6.62	8.15	-1.53	-18.8
CL	1.396	0.948	0.448	47.3	4.03	2.58	1.45	56.2
CO	0.630	0.683	-0.054	-7.8	1.88	1.98	-0.10	-5.0
EW	1.518	1.506	0.012	0.8	4.56	4.51	0.05	1.1
VE	1.441	1.454	-0.013	-0.9	4.22	4.28	-0.06	-1.4
BU	1.493	1.147	0.345	30.1	4.45	3.15	1.30	41.3
TS	0.134	0.392	-0.258	-65.9	1.14	1.48	-0.34	-23.0
SH	1.149	1.012	0.137	13.6	3.16	2.75	0.41	14.9
CA	1.281	1.008	0.273	27.0	3.60	2.74	0.86	31.4
BL	1.004	0.718	0.286	39.8	2.73	2.05	0.68	33.2
GR	0.616	0.086	0.530	615.3	1.85	1.09	0.76	69.8
VS	1.713	1.825	-0.112	-6.1	5.56	6.20	-0.64	-10.3
VX	1.327	1.396	-0.069	-4.9	3.77	4.04	-0.27	-6.7
PD	1.953	2.020	-0.067	-3.3	7.07	7.54	-0.47	-6.2
PX	1.785	1.723	0.063	3.6	5.96	5.60	0.36	6.4

R = 0.879 R^2 = 0.77 STAND. ERROR = 1.09[2]

TABLE E.10

OK SUB-BASIN 1971 RO FROM BASIN CHARACTERISTICS — RUN M

(Y 3) LSURO2 = + 3.5355 LBELEV (X17) SB = 0.8559 T = 3.99 PAR R =0.6955
− 4.2141 STAND. ERROR = 0.4152

MULT R = 0.6955 R SQUARED = 0.4837 F(1,17) = 15.93

	ESTIMATED RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR	ESTIMATED[1] RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR
TE	1.390	1.956	-0.566	-28.9	4.01	7.07	-3.06	-43.3
LT	1.150	1.564	-0.414	-26.5	3.02	4.78	-1.76	-36.8
LX	0.634	1.004	-0.371	-36.9	1.89	2.73	-0.84	-30.8
WB	1.295	1.597	-0.303	-18.9	3.62	4.94	-1.32	-26.7
PE	1.560	2.098	-0.538	-25.6	4.76	8.15	-3.39	-41.6
CL	1.064	0.948	0.116	12.3	3.01	2.58	0.43	16.7
CO	0.383	0.683	-0.300	-44.0	1.46	1.98	-0.52	-26.2
EW	1.339	1.506	-0.167	-11.1	3.80	4.51	-0.71	-15.8
VE	1.235	1.454	-0.219	-15.1	3.42	4.28	-0.86	-20.1
BU	1.181	1.147	0.034	3.0	3.23	3.15	0.08	2.5
TS	0.834	0.392	0.442	112.8	2.61	1.48	1.13	76.3
SH	1.490	1.012	0.479	47.3	4.44	2.75	1.69	61.4
CA	1.310	1.008	0.302	29.9	3.72	2.74	0.98	35.8
BL	1.483	0.718	0.765	106.6	4.41	2.05	2.36	115.2
GR	0.868	0.086	0.782	907.3	2.38	1.09	1.29	118.3
VS	1.826	1.825	0.001	0.1	6.20	6.20	0.00	0.0
VX	1.490	1.396	0.094	6.7	4.44	4.04	0.40	9.9
PD	1.883	2.020	-0.137	-6.8	6.59	7.54	-0.95	-12.6
PX	1.722	1.723	-0.001	-0.0	5.60	5.60	-0.00	-0.0

R = 0.701 R^2 = 0.491 STAND. ERROR = 1.53[2]

1 ANTILOGS OF "ESTIMATED RUN-OFF" DERIVED FROM LOGARITHMIC MULTIPLE REGRESSION EQUATION

2 STATISTICS DERIVED FROM ANTILOG VALUES (NOTE 1)

TABLE E.11

WATER RESOURCES - HYDROLOGY DIVISION

MULTIPLE CORRELATION STATISTICS

OK SUB-BASIN 1971 RO FROM BASIN CHARACTERISTICS — RUN M

(Y 1) SURC2 = + 0.0441 AR45P (X 1) SB = 0.0101 T = 4.37 PAR R =0.7379
+ 0.5345 PPN1 (X12) SB = 0.1104 T = 4.84 PAR R =0.7710
- 3.4821 STAND. ERROR = 0.9719

MULT R = 0.8986 R SQUARED = 0.8074 F(2,16) = 33.54

	ESTIMATED RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR
TE	5.469	7.070	-1.601	-22.6
LT	2.865	4.780	-1.915	-40.1
LX	1.980	2.730	-0.750	-27.5
WB	4.793	4.940	-0.147	-3.0
PE	7.659	8.150	-0.491	-6.0
CL	2.943	2.580	0.363	14.1
CO	1.146	1.980	-0.834	-42.1
EW	5.619	4.510	1.109	24.6
VE	4.114	4.280	-0.166	-3.9
BU	3.642	3.150	0.492	15.6
TS	1.408	1.480	-0.072	-4.9
SH	3.456	2.750	0.706	25.7
CA	3.405	2.740	0.665	24.3
BL	3.452	2.050	1.402	68.4
GR	2.502	1.090	1.412	129.5
VS	6.141	6.200	-0.059	-0.9
VX	3.606	4.040	-0.434	-10.7
PD	7.159	7.540	-0.381	-5.1
PX	6.301	5.600	0.701	12.5

TABLE E.12

WATER RESOURCES - HYDROLOGY DIVISION

MULTIPLE CORRELATION STATISTICS

OK SUB-BASIN 1971 RO FROM BASIN CHARACTERISTICS — RUN M

(Y 1) SURC2 = + 0.7112 PPN1 (X12) SB = 0.1476 T = 4.82 PAR R =0.7597
- 2.2305 STAND. ERROR = 1.3970

MULT R = 0.7597 R SQUARED = 0.5772 F(1,17) = 23.21

	ESTIMATED RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR
TE	3.936	7.070	-3.134	-44.3
LT	3.125	4.780	-1.655	-34.6
LX	3.516	2.730	0.786	28.8
WB	4.739	4.940	-0.201	-4.1
PE	8.523	8.150	0.373	4.6
CL	3.651	2.580	1.071	41.5
CO	3.381	1.980	1.401	70.8
EW	5.956	4.510	1.446	32.1
VE	3.495	4.280	-0.785	-18.3
BU	2.990	3.150	-0.160	-5.1
TS	1.873	1.480	0.393	26.6
SH	3.260	2.750	0.510	18.5
CA	3.303	2.740	0.563	20.5
BL	2.720	2.050	0.670	32.7
GR	3.687	1.090	2.597	238.2
VS	4.853	6.200	-1.347	-21.7
VX	2.656	4.040	-1.384	-34.3
PD	6.055	7.540	-1.485	-19.7
PX	5.941	5.600	0.341	6.1

TABLE E.13

OK SUB-BASIN 1971 RO FROM BASIN CHARACTERISTICS — RUN M

(Y 3) LSURO2	= +	0.3712 LAR45P	(X16)	SB = 0.1339	T = 2.77	PAR R = 0.5954
	+	0.1302 LBAZE	(X24)	SB = 0.0516	T = 2.52	PAR R = 0.5589
	+	0.0503 LSSP	(X25)	SB = 0.0305	T = 1.65	PAR R = 0.4031
	+	1.0931 LPPN1	(X27)	SB = 0.3320	T = 3.29	PAR R = 0.6606
	−	2.6026	STAND. ERROR = 0.2960			

MULT R = 0.8854 R SQUARED = 0.7839 F(4,14) = 12.70

	ESTIMATED RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR	ESTIMATED[1] RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR
TE	1.524	1.956	-0.432	-22.1	4.59	7.07	-2.48	-35.1
LT	0.858	1.564	-0.706	-45.2	2.36	4.78	-2.42	-50.6
LX	0.803	1.004	-0.201	-20.0	2.23	2.73	-0.50	-18.3
WB	1.445	1.597	-0.152	-9.5	4.24	4.94	-0.70	-14.2
PE	2.181	2.098	0.083	3.9	8.84	8.15	0.69	8.5
CL	1.030	0.948	0.082	8.7	2.80	2.58	0.22	8.5
CO	0.581	0.683	-0.103	-15.0	1.79	1.98	-0.19	- 9.6
EW	1.542	1.506	0.035	2.4	4.67	4.51	0.16	35.4
VE	1.530	1.454	0.076	5.3	4.62	4.28	0.34	7.9
BU	1.443	1.147	0.296	25.8	4.23	3.15	1.08	34.3
TS	0.611	0.392	0.219	55.8	1.84	1.48	0.36	24.3
SH	1.056	1.012	0.045	4.4	2.87	2.75	0.12	4.4
CA	1.295	1.008	0.287	28.4	3.65	2.74	0.91	33.2
BL	0.841	0.718	0.123	17.1	2.41	2.05	0.36	17.6
GR	0.507	0.086	0.421	488.7	1.66	1.09	0.57	52.3
VS	1.799	1.825	-0.026	-1.4	6.03	6.20	-0.17	- 2.7
VX	1.234	1.396	-0.163	-11.7	3.43	4.04	-0.61	-15.1
PD	2.063	2.020	0.043	2.1	7.88	7.54	0.34	4.5
PX	1.797	1.723	0.074	4.3	6.03	5.60	0.43	7.7

R=0.892 R^2=0.80 STAND. ERROR = 1.07 [2]

TABLE E.14

OK SUB-BASIN 1971 RO FROM BASIN CHARACTERISTICS — RUN M

(Y 3) LSURO2	= +	3.5355 LBELEV	(X17)	SB = 0.8559	T = 3.99	PAR R = 0.6955
	−	4.2141	STAND. ERROR = 0.4152			

MULT R = 0.6955 R SQUARED = 0.4837 F(1,17) = 15.93

	ESTIMATED RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR	ESTIMATED[1] RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR
TE	1.390	1.956	-0.566	-28.9	4.01	7.07	-3.06	- 43.3
LT	1.150	1.564	-0.414	-26.5	3.02	4.78	-1.76	- 36.8
LX	0.634	1.004	-0.371	-36.9	1.89	2.73	-0.84	- 30.8
WB	1.295	1.597	-0.303	-18.9	3.62	4.94	-1.32	- 26.7
PE	1.560	2.098	-0.538	-25.6	4.76	8.15	-3.39	- 41.6
CL	1.064	0.948	0.116	12.3	3.01	2.58	0.43	16.7
CO	0.383	0.683	-0.300	-44.0	1.46	1.98	-0.52	- 26.2
EW	1.339	1.506	-0.167	-11.1	3.80	4.51	-0.71	- 15.8
VE	1.235	1.454	-0.219	-15.1	3.42	4.28	-0.86	- 20.1
BU	1.181	1.147	0.034	3.0	3.23	3.15	0.08	2.5
TS	0.834	0.392	0.442	112.8	2.61	1.48	1.13	76.3
SH	1.490	1.012	0.479	47.3	4.44	2.75	1.69	61.4
CA	1.310	1.008	0.302	29.9	3.72	2.74	0.98	35.8
BL	1.483	0.718	0.765	106.6	4.41	2.05	2.36	115.2
GR	0.868	0.086	0.782	907.3	2.38	1.09	1.29	118.3
VS	1.826	1.825	0.001	0.1	6.20	6.20	0.00	0.0
VX	1.490	1.396	0.094	6.7	4.44	4.04	0.40	9.9
PD	1.883	2.020	-0.137	-6.8	6.59	7.54	-0.95	- 12.6
PX	1.722	1.723	-0.001	-0.0	5.60	5.60	-0.00	- 0.0

R=0.701 R^2=0.491 STAND ERROR = 1.53 [2]

1 ANTILOGS OF "ESTIMATED RUN-OFF" DERIVED FROM LOGARITHMIC MULTIPLE REGRESSION EQUATION

2 STATISTICS DERIVED FROM ANTILOG VALUES (NOTE 1)

TABLE E.15

WATER RESOURCES - HYDROLOGY DIVISION

MULTIPLE CORRELATION STATISTICS

OK SUB-BASIN 1972 RO FROM BASIN CHARACTERISTICS — RUN N

(Y 1) SURO2 = + 2.7793 BELEV (X 6) SB = 0.4816 T = 5.77 PAR R =0.8219
+ 2.5062 LAT (X 8) SB = 0.6815 T = 3.68 PAR R =0.6758
- 132.7913 STAND. ERROR = 0.9538

MULT R = 0.8302 R SQUARED = 0.6893 F(2.16) = 17.75

	ESTIMATED RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR
TE	6.255	6.740	-0.485	-7.2
LT	5.166	5.920	-0.754	-12.7
LX	3.367	4.350	-0.983	-22.6
WB	6.245	5.650	0.595	10.5
PE	6.471	8.640	-2.169	-25.1
CL	5.010	3.130	1.880	60.1
CO	3.369	4.000	-0.631	-15.8
EW	6.788	6.720	0.068	1.0
VE	5.597	5.480	0.117	2.1
BU	5.302	4.080	1.222	29.9
TS	1.901	2.300	-0.399	-17.3
SH	5.041	5.300	-0.259	-4.9
CA	5.047	5.160	-0.113	-2.2
BL	5.514	4.760	0.754	15.8
GR	3.717	3.160	0.557	17.6
VS	5.979	6.220	-0.241	-3.9
VX	4.615	3.820	0.795	20.8
PD	7.157	7.620	-0.463	-6.1
PX	6.211	5.700	0.511	9.0

TABLE E.16

OK SUB-BASIN 1972 RO FROM BASIN CHARACTERISTICS — RUN N

(Y 1) SURO2 = + 2.0665 BELEV (X 6) SB = 0.5810 T = 3.56 PAR R =0.6532
- 4.6066 STAND. ERROR = 1.2569

MULT R = 0.6532 R SQUARED = 0.4267 F(1.17) = 12.65

	ESTIMATED RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR
TE	5.478	6.740	-1.262	-18.7
LT	4.817	5.920	-1.103	-18.6
LX	3.535	4.350	-0.815	-18.7
WB	5.209	5.650	-0.441	-7.8
PE	5.974	8.640	-2.666	-30.9
CL	4.589	3.130	1.459	46.6
CO	2.978	4.000	-1.022	-25.6
EW	5.333	6.720	-1.387	-20.6
VE	5.044	5.480	-0.436	-8.0
BU	4.899	4.080	0.819	20.1
TS	4.011	2.300	1.711	74.4
SH	5.767	5.300	0.467	8.8
CA	5.251	5.160	0.091	1.8
BL	5.747	4.760	0.987	20.7
GR	4.093	3.160	0.933	29.5
VS	6.801	6.220	0.581	9.3
VX	5.767	3.820	1.947	51.0
PD	6.987	7.620	-0.633	-8.3
PX	6.470	5.700	0.770	13.5

TABLE E.17

OK SUB-BASIN 1972 RO FROM BASIN CHARACTERISTICS — RUN N

(Y 3) LSURO2 = + 2.4803 LBELEV (X22) SB = 0.4441 T = 5.59 PAR R =0.8218
+ 24.9206 LLAT (X24) SB = 6.7720 T = 3.68 PAR R =0.6888
+ 0.0247 LSSP (X31) SB = 0.0186 T = 1.33 PAR R =0.3247
− 99.6525 STAND. ERROR = 0.1856

MULT R = 0.8605 R SQUARED = 0.7404 F(3,15) = 14.26

	ESTIMATED RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR	ESTIMATED[1] RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR
TE	1.879	1.908	-0.029	-1.5	6.54	6.74	-0.20	- 3.0
LT	1.620	1.778	-0.159	-8.9	5.05	5.92	-0.87	-14.6
LX	1.159	1.470	-0.311	-21.2	3.90	4.35	-0.45	-10.3
WB	1.852	1.732	0.120	6.9	6.38	5.65	0.74	13.1
PE	1.882	2.156	-0.275	-12.7	6.59	8.64	-2.05	-23.7
CL	1.452	1.141	0.311	27.2	4.28	3.13	1.05	33.5
CO	1.209	1.386	-0.177	-12.8	3.35	4.00	-0.65	-16.2
EW	1.932	1.905	0.027	1.4	6.90	6.72	0.18	2.7
VE	1.788	1.701	0.087	5.1	5.97	5.48	0.49	8.9
BU	1.692	1.406	0.286	20.3	5.44	4.08	1.36	33.3
TS	0.949	0.833	0.116	13.9	2.58	2.30	0.28	12.2
SH	1.556	1.668	-0.111	-6.7	4.74	5.30	-0.56	-10.6
CA	1.611	1.641	-0.030	-1.8	5.02	5.16	-0.14	- 2.7
BL	1.536	1.560	-0.025	-1.6	4.65	4.76	-0.11	- 2.3
GR	1.340	1.151	0.190	16.5	3.82	3.16	0.66	20.8
VS	1.721	1.828	-0.107	-5.8	5.60	6.22	-0.62	-10.0
VX	1.446	1.340	0.106	7.9	4.25	3.82	0.43	11.3
PD	2.019	2.031	-0.012	-0.6	7.50	7.62	-0.12	-15.5
PX	1.735	1.740	-0.006	-0.3	5.66	5.70	-0.04	- 0.7

R = 0.877 R^2 = 0.77 STAND. ERROR = 0.85[2]

TABLE E.18

OK SUB-BASIN 1972 RO FROM BASIN CHARACTERISTICS — RUN N

(Y 3) LSURO2 = + 1.9332 LBELEV (X22) SB = 0.5596 T = 3.45 PAR R =0.6423
− 1.4002 STAND. ERROR = 0.2623

MULT R = 0.6423 R SQUARED = 0.4125 F(1,17) = 11.94

	ESTIMATED RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR	ESTIMATED[1] RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR
TE	1.664	1.908	-0.244	-12.8	5.28	6.74	-1.46	-21.7
LT	1.533	1.778	-0.245	-13.8	4.64	5.92	-1.28	-21.6
LX	1.251	1.470	-0.220	-14.9	3.50	4.35	-0.85	-19.5
WB	1.612	1.732	-0.120	-6.9	5.02	5.65	-0.63	-11.2
PE	1.757	2.156	-0.399	-18.5	5.79	8.64	-2.85	-33.0
CL	1.486	1.141	0.345	30.2	4.42	3.13	1.29	41.2
CO	1.113	1.386	-0.273	-19.7	3.05	4.00	-0.95	-23.8
EW	1.636	1.905	-0.269	-14.1	5.13	6.72	-1.59	-23.7
VE	1.579	1.701	-0.122	-7.2	4.85	5.48	-0.63	-11.4
BU	1.550	1.406	0.144	10.2	4.72	4.08	0.64	15.6
TS	1.360	0.833	0.527	63.3	3.90	2.30	1.60	69.6
SH	1.719	1.668	0.051	3.1	5.57	5.30	0.27	5.1
CA	1.620	1.641	-0.021	-1.3	5.05	5.16	-0.11	- 2.1
BL	1.715	1.560	0.155	9.9	5.56	4.76	0.80	16.8
GR	1.379	1.151	0.228	19.8	3.96	3.16	0.80	25.3
VS	1.902	1.828	0.075	4.1	6.70	6.22	0.48	7.7
VX	1.719	1.340	0.379	28.3	5.57	3.82	1.75	45.8
PD	1.934	2.031	-0.097	-4.8	6.92	7.62	-0.70	- 9.2
PX	1.846	1.740	0.105	6.0	6.32	5.70	0.62	10.9

R = 0.658 R^2 = 0.43 STAND. ERROR = 1.25[2]

1 ANTILOGS OF "ESTIMATED RUN-OFF" DERIVED FROM LOGARITHMIC MULTIPLE REGRESSION EQUATION

2 STATICS DERIVED FROM ANTILOG VALUES (NOTE 1)

TABLE E.19

OK SUB-BASIN 1972 RO FROM BASIN CHARACTERISTICS — RUN N

(Y 1) SURO2 = + 0.0273 PPNSN (X 2) SB = 0.2734 T = 0.10 PAR R =0.0258
+ 2.7126 BELEV (X 6) SB = 0.8330 T = 3.26 PAR R =0.6436
+ 2.4194 LAT (X 8) SB = 1.1182 T = 2.16 PAR R =0.4877
- 128.3364 STAND. ERROR = 0.9847

MULT R = 0.8304 R SQUARED = 0.6895 F(3,15) = 11.10

	ESTIMATED RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR
TE	6.263	6.740	-0.477	-7.1
LT	5.175	5.920	-0.745	-12.6
LX	3.377	4.350	-0.973	-22.4
WB	6.264	5.650	0.614	10.9
PE	6.420	8.640	-2.220	-25.7
CL	4.987	3.130	1.857	59.3
CO	3.389	4.000	-0.611	-15.3
EW	6.783	6.720	0.063	0.9
VE	5.600	5.480	0.120	2.2
BU	5.299	4.080	1.219	29.9
TS	1.911	2.300	-0.389	-16.9
SH	5.063	5.300	-0.237	-4.5
CA	5.006	5.160	-0.154	-3.0
EL	5.508	4.760	0.748	15.7
GR	3.706	3.160	0.546	17.3
VS	5.977	6.220	-0.243	-3.9
VX	4.599	3.820	0.779	20.4
PD	7.209	7.620	-0.411	-5.4
PX	6.212	5.700	0.512	9.0

TABLE E.20

WATER RESOURCES - HYDROLOGY DIVISION

MULTIPLE CORRELATION STATISTICS

OK SUB-BASIN 1972 RO FROM BASIN CHARACTERISTICS — RUN N

(Y 1) SURO2 = + 0.7034 PPNSN (X 2) SB = 0.1836 T = 3.83 PAR R =0.6807
+ 0.4729 STAND. ERROR = 1.2161

MULT R = 0.6807 R SQUARED = 0.4633 F(1,17) = 14.68

	ESTIMATED RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR
TE	6.227	6.740	-0.513	-7.6
LT	5.566	5.920	-0.354	-6.0
LX	4.440	4.350	0.090	2.1
WB	6.607	5.650	0.957	16.9
PE	4.736	8.640	-3.904	-45.2
CL	4.665	3.130	1.535	49.1
CO	4.919	4.000	0.919	23.0
EW	6.452	6.720	-0.268	-4.0
VE	5.699	5.480	0.219	4.0
BU	5.341	4.080	1.261	30.9
TS	2.942	2.300	0.642	27.9
SH	5.425	5.300	0.125	2.4
CA	3.976	5.160	-1.184	-22.9
BL	5.123	4.760	0.363	7.6
GR	4.011	3.160	0.851	26.9
VS	5.256	6.220	-0.964	-15.5
VX	4.060	3.820	0.240	6.3
PD	7.641	7.620	0.021	0.3
PX	5.664	5.700	-0.036	-0.6

TABLE E.21

OK SUB-BASIN 1972 RO FROM BASIN CHARACTERISTICS — RUN N

(Y 3) LSURO2	= + 0.2393	LPPNSN	(X13)	SB = 0.3543	T = 0.68	PAR R = 0.1777
	+ 2.0758	LSELEV	(X22)	SB = 0.7504	T = 2.77	PAR R = 0.5945
	+ 18.8638	LLAT	(X24)	SB = 11.3123	T = 1.67	PAR R = 0.4071
	+ 0.0230	LSSP	(X31)	SB = 0.0191	T = 1.21	PAR R = 0.3072
	− 75.8033		STAND. ERROR = 0.1891			

MULT R = 0.8652 R SQUARED = 0.7486 F(4,14) = 10.42

	ESTIMATED RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR	ESTIMATED[1] RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR
TE	1.882	1.908	−0.026	−1.4	6.58	6.74	−0.16	− 2.4
LT	1.634	1.778	−0.144	−8.1	5.12	5.92	−0.80	−13.5
LX	1.182	1.470	−0.288	−19.6	3.27	4.35	−1.08	−24.8
WB	1.866	1.732	0.134	7.8	6.46	5.65	0.81	14.9
PE	1.817	2.156	−0.340	−15.7	6.14	8.64	−2.50	−28.9
CL	1.431	1.141	0.290	25.4	4.20	3.13	1.07	34.2
CO	1.246	1.386	−0.140	−10.1	3.48	4.00	−0.52	−13.0
EW	1.918	1.905	0.013	0.7	6.80	6.72	0.08	1.2
VE	1.787	1.701	0.086	5.1	5.96	5.48	0.48	8.7
BU	1.687	1.406	0.281	20.0	5.40	4.08	1.32	32.4
TS	0.933	0.833	0.100	12.0	2.54	2.30	0.24	10.4
SH	1.595	1.668	−0.073	− 4.4	4.93	5.30	−0.37	− 7.0
CA	1.550	1.641	−0.091	−5.5	4.71	5.16	−0.45	− 8.7
BL	1.543	1.560	−0.017	−1.1	4.68	4.76	−0.08	− 1.6
GR	1.322	1.151	0.171	14.9	3.75	3.16	0.59	18.6
VS	1.733	1.828	−0.094	−5.2	5.66	6.22	−0.56	− 9.0
VX	1.430	1.340	0.090	6.7	4.18	3.82	0.36	9.4
PD	2.071	2.031	0.041	2.0	7.92	7.62	0.30	3.9
PX	1.749	1.740	0.008	0.5	5.74	5.70	0.04	0.7

R = 0.846 R^2 = 0.72 STAND. ERROR = 0.98[2]

TABLE E.22

OK SUB-BASIN 1972 RO FROM BASIN CHARACTERISTICS — RUN N

(Y 3) LSURO2	= + 1.0226	LPPNSN	(X18)	SB = 0.2167	T = 4.72	PAR R = 0.7530
	− 0.3210		STAND. ERROR = 0.2252			

MULT R = 0.7530 R SQUARED = 0.5670 F(1,17) = 22.26

	ESTIMATED RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR	ESTIMATED[1] RUN-OFF	OBSERVED RUN-OFF	DIFF	PERCENT ERROR
TE	1.828	1.908	−0.080	−4.2	6.20	6.74	−0.54	− 8.0
LT	1.703	1.778	−0.075	−4.2	5.46	5.92	−0.46	− 7.8
LX	1.448	1.470	−0.022	−1.5	4.25	4.35	−0.10	− 2.3
WB	1.893	1.732	0.162	9.3	6.64	5.65	0.99	17.5
PE	1.521	2.156	−0.635	−29.4	4.59	8.64	−4.05	−46.9
CL	1.504	1.141	0.363	31.8	4.50	3.13	1.37	43.8
CO	1.564	1.386	0.178	12.8	4.79	4.00	0.79	19.8
EW	1.867	1.905	−0.038	−2.0	6.47	6.72	−0.25	− 3.7
VE	1.730	1.701	0.029	1.7	5.65	5.48	0.17	3.1
BU	1.657	1.406	0.251	17.8	5.24	4.08	1.16	28.4
TS	0.963	0.833	0.130	15.6	2.62	2.30	0.32	13.9
SH	1.675	1.668	0.007	0.4	5.35	5.30	0.05	0.9
CA	1.321	1.641	−0.320	−19.5	3.75	5.16	−1.41	−27.3
BL	1.610	1.560	0.050	3.2	4.98	4.76	0.22	4.6
GR	1.331	1.151	0.180	15.7	3.80	3.16	0.64	20.2
VS	1.639	1.828	−0.189	−10.3	5.14	6.22	−1.08	−17.4
VX	1.345	1.340	0.005	0.4	3.84	3.82	0.02	0.5
PD	2.053	2.031	0.022	1.1	7.78	7.62	0.16	2.1
PX	1.723	1.740	−0.018	−1.0	5.60	5.70	−0.10	− 1.8

R = 0.680 R^2 = 0.46 STAND. ERROR = 1.21[2]

1 ANTILOGS OF "ESTIMATED RUN-OFF" DERIVED FROM LOGARITHMIC MULTIPLE REGRESSION, EQUATION

2 STATISTICS DERIVED FROM ANTILOG VALUES (NOTE 1)

APPENDIX F

TABLES OF DERIVED BASIC DATA, MAIN VALLEY LAKES

AND

OKANAGAN RIVER

APPENDIX F

TABLES OF DERIVED BASIC DATA, MAIN VALLEY LAKES

AND

OKANAGAN RIVER

LIST OF TABLES OF DERIVED BASIC DATA

F-1 Monthly and Annual Net Historic Inflows in kaf., Okanagan Lake. Period: Climatic (April - March) Year 1921-1970. Outflow and Storage.

F-2 Monthly and Annual Net Modified (1970 Development) Inflows in kaf., Okanagan Lake. Period: Climatic (April - March) Year 1921-1970. Outflow and Storage Okanagan Lake +[CU (dynamic) - CU (1966)] + [ΔStorage Tributary (dynamic) - ΔStorage Tributary (1966)]

F-3 Monthly and Annual Net Historic Inflows in kaf., Okanagan Lake Basin. Period: Climatic (April - March) Year 1921-1970. Outflow andΔStorage Okanagan Lake + CU (dynamic) + Δ Storage Tributary (dynamic)

F-4 Monthly and Annual Gross Historic Inflows in kaf., Okanagan Lake Basin. Period: Climatic (April - March) Year 1921-1970. Outflow + Storage Okanagan Lake.

F-5 Monthly and Annual Net Historic Local Inflow in kaf., Okanagan River between Penticton and Okanagan Falls. Period: Climatic (April - March) Year 1921-1970. Flow at OK Falls - Flow at Penticton +ΔStorage Skaha Lake.

F-6 Monthly and Annual Net Historic Local Basin Inflows in kaf., Okanagan River between Penticton and Okanagan Falls. Period: Climatic (April - March) Year 1921-1970. Flow at OK Falls - Flow at Penticton + Δ Storage Skaha Lake + CU (dynamic)

F-7 Monthly and Annual Historic Local Inflows in kaf., Okanagan River between Okanagan Falls and Hydrometric Station near Oliver. Period: Climatic (April - March) Year 1921-1970. Flow at Oliver - Flow at OK. Falls + Solid Dam Diversion

F-8 Monthly and Annual Historic Local Basin Inflows in kaf., Okanagan River between Okanagan Falls and Hydrometric Station near Oliver. Period: Climatic (April - March) Year 1921-1970 Flow at Oliver - Flow at OK. Falls and Solid Dam Diversion + CU

F-9 Monthly and Annual Net Historic Local Inflows in kaf.,
Okanagan River between Oliver, B.C. and Oroville, Wash.
Period: Climatic (April - March) Year 1944-1970
Flow at Oroville - Flow at Oliver + △Storage Osoyoos Lake.

F-10 Monthly and Annual Net Historic Local Basin Inflows in kaf.,
Okanagan River between Oliver, B.C. and Oroville, Wash.
Period: Climatic (April - March) Year 1944-1970
Flow at Oroville - Flow at Oliver +△Storage Osoyoos Lake + CU

F-11 Monthly and Annual Historic Flows (Outflows, Okanagan Lake) in kaf.,
Okanagan River at Penticton, Station No. 8NM-50.
Period: Climatic (April - March) Year 1921-1970
Measured flow at Penticton

F-12 Monthly and Annual Historic Flows (Outflows, Skaha Lake) is kaf.,
Okanagan River at Okanagan Falls, Station No. 8NM-2.
Period: Climatic (April - March) Year 1921-1970
Measured flow at OK. Falls.

F-13 Monthly and Annual Historic Flows in kaf.
Okanagan River near Oliver, Station No. 8NM-85
Period: Climatic (April - March) Year 1944-1970
Measured flow at Oliver

F-14 Monthly and Annual Historic Flows in kaf.,
Okanagan River at Oroville, Wash., Station No. 8NM-12
Period: Climatic (April - March) Year 1943-1970
Measured flow at Oroville

F-15 1st of the Month Historic Elevation in feet (Datum: P.W.C.)
Okanagan Lake at Penticton, Station No. 8NM-071
Period: Climatic (April - March) Year 1921-1970
Observed elevation at Penticton

F-16 Monthly (Average of 1st of the Month and 1st of the next Month) Historic
Elevation in feet (Datum: P.W.C.)
Okanagan Lake at Penticton, Station No. 8NM-071
Period: Climatic (April - March) Year 1921-1970
Computed average of observed elevations at Penticton

F-17 1st of the Month Historic Elevation in feet (Datum: G.S.C. 1961)
Skaha Lake at Okanagan Falls, Station No. 8NM-84.
Period: Climatic (April - March) Year 1943-1970
Observed elevation at Penticton

F-18 Monthly (Average of 1st of the Month and 1st of the Next Month) Historic Elevation in feet (Datum: G.S.C. 1961)
Skaha Lake at Okanagan Falls, Station No. 8NM-24)
Period: Climatic (April - March) Year 1943-1970
Computed average of observed elevation at OK. Falls

F-19 1st of the Month Historic Elevation in feet (Datum: USCGS 1929)
Osoyoos Lake near Oroville, Wash. Station No. 8NM-73
Period: Climatic (April - March) Year 1929-1970
Observed elevation at Oroville

F-20 Monthly (Average of 1st of the Month and 1st of the Next Month) Historic Elevation in feet (Datum: USCGS 1921)
Osoyoos Lake near Oroville, Wash., Station No. 8NM-73
Period: Climatic (April - March) Year 1929-1970
Computed average of observed elevations at Oroville

F-21 Monthly and Annual Evaporations in kaf., Okanagan Lake
Period: Climatic (April - March) Year 1921-1970

F-22 Monthly and Annual Evaporations in kaf., Skaha Lake
Period: Climatic (April - March) Year 1921-1970

F-23 Monthly and Annual Evaporations in kaf., Osoyoos Lake
Period: Climatic (April - March) Year 1921-1970

F-24 Monthly and Annual Evaporations in kaf., Kalamalka-Wood Lake
Period: Climatic (April - March) Year 1921-1970

F-25 Monthly and Annual Precipitations in kaf., over Okanagan Lake
Period: Climatic (April - March) Year 1921-1970

F-26 Monthly and Annual Precipitations in kaf., over Skaha Lake
Period: Climatic (April - March) Year 1921-1970

F-27 Monthly and Annual Precipitations in kaf., over Osoyoos Lake
Period: Climatic (April - March) Year 1921-1970

F-28 Monthly and Annual Precipitations inkaf., over Kalamalka-Wood Lake
Period: Climatic (April - March) Year 1921-1970

F-29 Monthly and Annual Historic Tributary Headwater Storage Changes in kaf., Okanagan Lake Basin
Period: Climatic (April - March) Year 1921-1970

F-30 Monthly and Annual Historic Consumptive Uses in kaf., Okanagan Lake Basin
Period: Climatic (April - March) Year 1921-1970

F-31 Monthly and Annual Historic Consumptive Uses in kaf.,
Okanagan River between Penticton and Okanagan Falls
Period: Climatic (April - March) Year 1921-1970

F-32 Monthly and Annual Historic Consumptive Uses in kaf.,
Okanagan River between Okanagan Falls and Hydrometric Station near Oliver
Period: Climatic (April - March) Year 1921-1970

F-33 Monthly and Annual Historic Consumptive uses in kaf.,
Okanagan River between Hydrometric Station and Oliver, B.C. and Oroville, Wash.
Period: Climatic (April - March) Year 1921-1970

TABLE F.1

MONTHLY AND ANNUAL NET HISTORIC INFLOWS IN KILO ACRE-FEET

OKANAGAN LAKE

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	26.7	211.8	140.4	2.2	-16.5	-20.2	-5.1	2.5	5.1	10.1	-4.2	14.3	367.1
2	25.3	151.6	119.6	-14.3	-12.6	- 0.8	2.5	-3.4	5.1	7.6	0.0	26.1	306.7
3	48.8	171.8	170.9	14.3	-10.9	-21.0	-3.4	-4.2	12.6	-18.5	16.0	16.8	393.2
4	13.5	129.7	26.1	-22.7	-18.5	-26.9	-1.7	5.9	4.2	11.8	10.9	8.4	140.7
5	58.9	178.5	57.3	-21.0	-30.3	-28.6	-6.7	-9.3	10.9	21.9	-2.5	11.8	240.9
6	54.7	90.1	0.8	-17.7	-24.4	-21.0	0.0	2.5	-1.7	10.9	-6.7	-0.8	86.7
7	17.7	106.1	120.4	- 2.5	-10.9	44.6	62.3	26.1	28.6	14.3	10.1	26.1	442.9
8	76.6	383.1	128.0	50.5	-22.7	-17.7	-5.9	32.8	-20.2	1.7	-5.9	15.2	615.5
9	13.5	44.6	57.3	-19.4	5.1	23.6	-9.3	-11.8	- 8.4	0.0	4.2	8.4	107.8
1930	48.8	47.2	47.2	-11.8	- 9.3	-13.5	-18.5	0.8	-16.8	4.2	-4.2	8.4	82.5
1	20.2	75.8	21.0	- 0.8	-30.3	-16.8	-13.5	1.7	4.2	-6.7	-5.9	31.2	80.1
2	61.5	187.8	99.4	- 7.6	- 5.1	-10.9	- 6.7	23.6	1.7	5.9	5.9	15.2	370.7
3	41.3	179.3	165.9	20.2	-16.0	7.6	23.6	16.0	35.4	26.9	10.9	37.9	549.0
4	215.6	125.5	14.3	- 4.2	- 7.6	- 8.4	- 3.4	24.4	17.7	15.2	16.0	31.2	436.3
5	26.9	193.7	122.9	85.0	15.2	- 1.7	- 4.2	4.2	8.4	27.8	-3.4	14.3	489.1
6	85.0	185.2	84.2	5.1	-17.7	-11.8	- 7.6	-20.2	17.7	-4.2	16.8	15.2	347.7
7	29.5	149.9	145.7	3.4	-21.9	- 8.4	0.8	23.6	10.1	8.4	10.9	19.4	371.4
8	59.8	185.2	53.9	- 9.3	-20.2	- 4.2	- 8.4	-10.9	8.4	12.6	-5.1	14.3	276.1
9	45.5	122.1	53.9	- 4.2	-30.3	-16.0	-13.5	0.0	12.6	0.8	2.5	25.3	198.7
1940	51.4	120.4	22.7	-17.7	-31.2	-10.1	-10.1	- 5.9	2.5	12.6	0.8	13.5	148.9
1	74.1	75.8	53.9	3.4	-11.8	20.2	33.7	19.4	25.3	-2.5	13.5	4.2	309.2
2	74.9	208.8	149.9	41.3	-19.4	-18.5	-13.5	-1.7	17.7	0.0	13.5	4.2	457.2
3	53.0	112.0	92.6	1.7	-19.4	-25.3	5.1	-7.6	- 8.4	3.4	16.0	-3.4	219.7
4	26.1	97.7	93.5	- 3.4	-14.3	- 2.5	7.6	14.3	5.1	14.3	15.2	7.6	261.2
5	17.7	241.7	121.2	- 8.4	-21.9	-13.5	19.4	4.2	15.2	17.7	8.4	17.7	419.4
6	82.5	319.1	144.8	0.8	-10.9	-17.7	-10.9	9.3	- 2.5	2.5	10.9	20.2	548.1
7	45.5	89.3	48.0	- 6.7	-14.3	- 7.6	8.4	10.1	0.8	6.7	4.2	4.2	188.6
8	47.2	340.2	189.4	29.5	58.1	11.8	19.4	-3.4	8.4	-2.5	19.4	25.3	742.8
9	91.8	244.2	42.1	9.3	0.8	-11.8	- 6.7	5.9	29.5	-10.9	10.9	22.7	427.8
1950	30.3	181.0	197.9	8.4	3.4	-20.2	9.3	10.9	18.5	- 2.5	32.8	23.6	493.4
1	90.1	318.3	95.1	19.4	-23.6	0.0	14.3	5.9	16.8	- 1.7	21.0	16.0	571.6
2	96.8	251.8	71.6	16.0	-18.5	-11.8	- 6.7	-8.4	3.4	25.3	12.6	5.9	438.0
3	21.9	136.4	121.2	9.3	8.4	-20.2	3.4	13.5	13.5	8.4	13.5	13.5	342.8
4	10.9	217.2	144.0	58.1	17.7	24.4	9.3	32.0	12.6	10.9	10.1	16.0	563.2
5	23.6	102.7	197.9	59.8	-12.6	- 0.8	5.9	2.5	22.7	19.4	3.4	27.8	452.3
6	83.4	268.6	126.3	11.8	- 5.9	-10.9	0.8	0.8	12.6	3.4	14.3	16.8	522.0
7	32.8	276.2	52.2	- 5.1	11.8	0.8	0.0	4.2	8.4	22.7	23.6	22.7	450.3
8	44.6	213.9	49.7	- 7.6	-30.3	-10.1	10.9	6.7	19.4	20.2	9.3	21.9	348.6
9	42.9	258.5	185.2	10.9	-19.4	33.7	28.3	21.0	19.6	15.4	21.6	12.2	629.9
1960	62.6	153.5	90.5	- 9.1	-21.6	- 3.4	- 6.5	7.3	- 0.3	6.9	11.8	14.0	305.7
1	26.4	204.7	83.5	- 1.3	-20.5	-38.9	- 9.3	-10.2	15.3	5.7	14.5	7.5	277.4
2	46.8	112.3	83.8	5.4	- 6.6	-18.3	13.9	4.0	0.2	2.4	5.3	19.7	268.9
3	28.4	99.5	39.7	16.6	- 3.1	- 1.7	-14.2	7.5	9.4	10.2	2.3	13.7	208.3
4	14.4	126.0	198.5	31.0	11.1	16.6	23.3	22.2	- 2.7	32.3	12.5	11.6	496.8
5	72.3	172.0	97.2	- 2.0	2.5	- 3.0	4.1	6.3	4.0	3.0	6.1	11.1	373.6
6	30.1	101.5	45.2	10.6	-18.1	- 7.2	-16.2	5.8	12.9	10.3	5.8	7.0	187.7
7	14.5	138.6	152.7	-17.0	-35.3	-18.0	- 7.2	- 6.5	10.9	- 4.7	17.0	25.1	270.1
8	8.5	172.5	152.3	0.4	0.8	4.5	- 1.5	10.0	12.9	10.9	4.3	23.1	398.7
9	88.6	239.7	49.6	- 5.6	-26.2	0.4	3.8	7.4	14.7	9.9	16.9	12.1	411.3
1970	4.0	92.5	42.7	-11.8	-29.4	-19.6	-11.4	- 4.3	0.8	9.2	11.4	10.0	94.1

TABLE F.2

MONTHLY AND ANNUAL NET MODIFIED (1970 DEVELOPMENT) INFLOWS IN KILO ACRE-FEET

OKANAGAN LAKE

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	19.7	191.4	126.6	- 4.4	-22.6	-16.5	- 1.9	4.1	6.6	11.7	-2.6	15.5	327.6
2	19.4	134.4	107.9	-19.8	-17.7	2.3	5.2	-2.0	6.4	8.9	1.3	27.1	273.4
3	42.2	152.5	157.8	8.1	-16.7	-17.5	- 0.4	-2.7	14.1	-17.0	17.5	18.0	355.9
4	10.6	121.3	20.4	-25.4	-21.0	-25.4	- 0.4	6.5	4.9	12.4	11.6	8.9	124.4
5	54.7	166.1	48.9	-25.0	-34.0	-26.4	- 4.8	-8.3	11.9	22.8	-1.6	12.5	216.8
6	52.3	83.0	- 3.9	-19.9	-26.5	-19.8	1.1	3.1	- 1.1	11.5	-6.2	-0.4	73.2
7	11.9	89.2	108.9	- 8.0	-16.0	47.7	64.9	27.4	29.9	15.6	11.4	27.1	410.0
8	71.0	366.8	117.0	45.3	-27.6	-14.7	- 3.4	34.1	-18.9	2.9	-4.6	16.1	584.0
9	11.2	38.1	52.8	-21.5	3.1	24.8	- 8.2	11.3	- 7.9	0.5	4.7	8.8	95.1
1930	46.7	41.0	43.0	-13.8	-11.1	-12.4	-17.6	1.3	-16.4	4.7	-3.7	8.8	70.5
1	18.2	69.9	17.1	- 2.7	-32.1	-15.8	-12.6	2.1	4.7	- 6.3	-5.4	31.5	68.6
2	56.7	173.8	89.9	-12.1	- 9.2	- 8.4	- 4.6	24.7	2.8	7.0	7.0	16.0	343.6
3	36.6	165.9	156.8	15.9	-20.0	10.0	25.7	17.0	36.4	28.0	12.0	38.7	523.0
4	211.1	112.6	5.6	- 8.3	-11.4	- 6.1	- 1.4	25.4	18.7	16.2	17.0	31.9	411.3
5	22.7	181.4	114.7	81.1	11.5	0.5	- 2.3	5.2	9.4	28.7	-2.4	15.0	465.5
6	81.1	173.9	76.5	1.4	-21.1	- 9.7	- 5.8	-19.3	18.6	- 3.3	17.7	15.8	325.8
7	25.7	138.8	138.2	- 0.2	-25.2	- 6.4	2.6	24.4	11.0	9.3	11.8	20.0	350.0
8	57.0	177.1	48.4	-11.9	-22.6	- 2.7	- 7.2	-10.3	9.1	13.3	-4.4	14.8	260.6
9	43.6	116.6	50.2	- 6.0	-32.0	-15.0	-12.6	0.4	13.1	1.3	3.0	25.6	188.2
1940	49.8	116.0	19.7	-19.1	-32.5	- 9.3	- 9.4	- 5.6	2.9	13.0	1.2	13.7	140.4
1	71.3	67.7	48.4	0.8	-14.2	21.7	34.9	20.0	25.9	- 1.9	14.1	4.7	293.4
2	71.9	200.0	143.9	38.4	-22.0	-16.9	-12.1	- 1.0	18.4	0.7	14.2	4.7	440.2
3	51.2	106.7	89.0	0.0	-20.9	-24.3	5.9	- 7.2	- 8.0	3.8	16.4	-3.1	209.5
4	24.0	91.6	89.3	- 5.3	-16.1	- 1.4	8.5	14.8	5.5	14.8	15.6	7.9	249.2
5	14.9	233.6	115.8	-11.0	-24.3	-12.0	20.6	4.8	15.8	18.3	9.0	18.2	403.7
6	79.8	311.1	139.4	- 1.7	-13.3	-16.2	- 9.7	9.9	- 1.9	3.1	11.6	20.7	532.8
7	44.0	85.0	45.1	- 8.1	-15.6	- 6.8	9.1	10.4	1.2	7.1	4.5	4.5	180.4
8	44.5	332.5	184.3	27.0	55.8	13.2	20.6	- 2.8	9.0	- 1.9	20.0	25.7	727.9
9	89.2	236.8	37.1	6.9	- 1.4	-10.4	- 5.6	6.5	30.0	-10.4	11.5	23.2	413.4
1950	27.8	173.6	192.8	6.0	1.2	-18.9	10.4	11.5	19.1	- 2.0	33.4	24.0	478.9
1	87.5	310.9	90.1	17.0	-25.8	1.4	15.5	6.5	17.4	- 1.1	21.6	16.4	557.4
2	94.3	244.3	66.5	13.6	-20.7	-10.4	5.6	- 7.8	3.9	25.8	13.2	6.3	423.4
3	19.4	129.2	116.4	7.0	6.3	-18.9	4.5	14.0	14.0	9.0	14.0	13.9	328.8
4	8.4	209.8	139.0	55.7	15.5	25.8	10.4	32.6	13.2	11.5	10.7	16.4	549.0
5	21.0	95.3	192.8	57.4	-14.8	0.5	7.0	3.1	23.3	19.9	3.9	28.2	437.6
6	80.8	261.2	121.3	9.4	- 8.1	- 9.6	2.0	1.4	13.2	3.9	14.9	17.3	507.7
7	30.3	268.8	47.2	- 7.4	9.6	2.2	1.1	4.8	9.0	23.3	24.2	23.2	436.3
8	42.2	206.7	44.8	- 9.9	-32.5	- 8.8	12.1	7.3	19.9	20.8	9.8	22.3	334.7
9	40.6	251.6	180.5	8.7	-21.4	34.9	29.4	21.5	20.1	16.0	22.1	12.6	616.6
1960	60.6	147.6	86.6	-10.9	-23.3	- 2.4	- 5.6	7.7	0.2	7.3	12.2	14.4	294.4
1	24.9	200.1	80.4	- 2.8	-21.8	-38.0	- 8.6	- 9.9	15.7	6.1	14.9	7.8	268.8
2	45.5	108.5	81.3	4.2	- 7.8	-17.6	14.4	4.3	0.5	2.7	5.6	19.9	261.5
3	27.5	97.0	38.0	15.8	- 3.8	- 1.2	-13.9	7.7	9.6	10.4	2.5	13.9	203.5
4	13.9	121.4	193.1	26.7	6.7	16.3	24.6	22.8	- 2.1	32.9	13.1	12.0	481.4
5	71.9	170.7	96.3	- 2.4	2.1	- 2.8	4.3	6.4	4.1	3.1	6.2	11.2	371.1
6	30.1	101.5	45.2	10.6	-18.1	- 7.2	-16.2	5.8	12.9	10.3	5.8	7.0	187.7
7	14.8	139.4	153.3	-16.8	-35.1	-18.1	- 7.3	-6.6	10.8	- 4.8	16.9	25.1	271.6
8	9.2	174.7	150.8	1.0	1.5	4.1	- 1.8	9.8	12.7	10.8	4.1	23.0	399.9
9	89.6	242.7	51.6	- 4.6	-25.3	- 0.1	3.3	7.2	14.4	9.7	16.7	11.9	417.1
1970	4.6	94.1	43.7	-11.3	-28.9	-19.9	-11.7	-4.5	0.7	9.1	11.3	9.9	97.1

TABLE F.3

MONTHLY AND ANNUAL NET HISTORIC INFLOWS IN KILO ACRE-FEET,
OKANAGAN LAKE BASIN
PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	31.8	226.8	150.5	7.0	-12.0	-22.9	-7.4	1.3	3.9	8.9	-5.4	13.4	395.9
2	29.9	165.1	128.7	-10.0	-8.6	-3.3	0.4	-4.4	4.1	6.6	-1.0	25.3	332.8
3	54.4	187.9	181.8	19.5	-6.1	-23.9	-5.9	-5.4	11.4	-19.7	14.8	15.9	424.7
4	16.1	137.2	31.2	-20.3	-16.3	-28.3	-2.9	5.3	3.6	11.2	10.3	8.0	155.1
5	63.0	190.3	65.3	-17.2	-26.8	-30.8	-8.5	-10.2	10.0	21.0	-3.4	11.1	263.8
6	57.2	97.3	5.7	-15.4	-22.2	-22.3	-1.1	1.9	-2.3	10.3	-7.3	-1.2	100.6
7	24.1	124.6	132.9	3.4	-5.4	41.2	59.4	24.7	27.2	12.9	8.7	25.0	478.7
8	83.2	402.2	140.9	56.6	-17.0	-21.2	-8.9	31.3	-21.7	0.2	-7.4	14.1	652.3
9	16.3	52.8	62.8	-16.8	7.5	22.1	-10.6	-12.4	-9.0	-0.6	3.6	7.9	123.6
1930	51.6	55.3	52.7	-9.2	-6.9	-15.0	-19.8	0.2	-17.4	3.6	-4.8	7.9	98.2
1	23.1	84.1	26.6	1.9	-27.8	-18.3	-14.8	1.1	3.6	-7.8	-6.5	30.7	96.4
2	68.9	209.2	113.9	-0.7	1.3	-14.8	-10.0	21.9	0.0	4.2	4.2	14.0	412.1
3	48.9	201.3	180.8	27.3	-9.4	3.6	20.2	14.3	33.7	25.2	9.2	36.6	591.7
4	223.4	148.1	29.6	3.0	-0.9	-12.5	-6.9	22.7	16.0	13.5	14.3	29.9	480.2
5	34.9	216.9	138.6	92.4	22.1	-5.9	-7.8	2.4	6.6	26.0	-5.2	13.0	534.0
6	93.0	208.5	100.0	12.5	-10.7	-16.1	-11.2	-22.0	15.9	-6.0	15.0	13.8	392.7
7	37.9	174.3	162.2	11.2	-14.6	-12.8	-3.0	21.7	8.2	6.5	9.0	18.0	418.6
8	66.5	204.7	67.1	-3.0	-14.4	-7.8	-11.4	-12.4	6.9	11.1	-6.6	13.2	313.9
9	50.5	136.6	63.7	0.4	-26.0	-18.6	-15.7	-1.1	11.5	-0.3	1.4	24.5	226.9
1940	55.5	132.3	30.7	-13.9	-27.7	-12.3	-11.9	-6.8	1.6	11.7	-0.1	12.8	171.9
1	82.0	98.7	69.4	10.7	-5.0	16.0	30.2	17.6	23.5	-4.3	11.7	2.9	353.4
2	84.0	235.3	167.8	49.8	-11.5	-23.3	-17.6	-3.8	15.6	-2.1	11.4	2.7	508.3
3	58.8	128.8	104.0	7.1	-14.4	-28.4	2.5	-8.9	-9.7	2.1	14.7	-4.4	252.2
4	33.0	117.8	107.1	3.0	-8.3	-6.2	4.5	12.7	3.5	12.7	13.6	6.4	299.8
5	27.1	269.0	139.7	0.4	-13.8	-18.5	15.2	2.1	13.1	15.6	6.3	16.1	472.3
6	91.9	346.6	163.4	9.6	-2.7	-22.7	-15.2	7.2	-4.6	0.4	8.8	18.6	601.3
7	50.7	104.3	58.2	-1.9	-9.8	-10.3	6.1	8.9	-0.4	5.5	3.0	3.3	217.6
8	56.8	368.0	208.2	38.4	66.4	6.7	15.1	-5.5	6.3	-4.6	17.3	23.7	796.8
9	101.4	272.1	61.0	18.3	9.1	-16.9	-11.0	3.7	27.3	-13.1	8.7	21.1	481.7
1950	39.9	208.9	216.8	17.4	11.7	-25.3	5.0	8.7	16.3	-4.7	30.6	22.0	547.3
1	99.7	346.2	114.0	28.4	-15.3	-5.1	10.0	3.7	14.6	-3.9	18.8	14.4	625.5
2	106.4	279.7	90.5	25.0	-10.2	-16.9	-11.0	-10.6	1.2	23.1	10.4	4.3	491.9
3	31.2	163.5	139.5	18.0	16.5	-25.1	-0.8	11.4	11.4	6.3	11.4	11.9	395.2
4	20.5	245.1	162.9	67.1	26.0	19.3	5.0	29.8	10.4	8.7	7.9	14.4	617.1
5	33.2	130.6	216.8	68.8	-4.3	-5.9	1.6	0.3	20.5	17.2	1.2	26.2	506.2
6	93.0	296.5	145.2	20.8	2.4	-16.0	-3.5	-1.4	10.4	1.2	12.1	15.2	575.9
7	42.4	304.1	71.1	3.9	20.1	-4.3	-4.3	2.0	6.2	20.5	21.4	21.1	504.2
8	54.2	241.7	68.5	1.3	-22.0	-15.2	6.6	4.6	17.3	18.1	7.2	20.3	402.6
9	52.7	287.0	204.5	20.0	-10.9	28.5	23.9	18.8	17.4	13.2	19.4	10.5	685.0
1960	71.2	178.4	107.3	-1.1	-14.2	-7.9	-10.3	5.4	-2.2	5.0	9.9	12.6	354.1
1	34.4	227.9	99.2	6.1	-13.6	-43.1	-12.9	-12.0	13.5	3.9	12.7	6.2	322.3
2	54.8	135.4	99.5	12.8	0.3	-22.5	10.3	2.2	-1.6	0.6	3.5	18.4	313.7
3	34.8	118.0	52.2	22.5	2.4	-5.1	-17.1	6.1	8.0	8.8	0.9	12.6	244.1
4	25.6	158.5	220.5	41.4	20.8	10.7	18.3	19.7	-5.2	29.8	10.0	9.7	559.8
5	84.0	205.9	120.2	8.9	12.6	-9.2	-1.2	3.7	1.4	0.4	3.5	9.1	439.3
6	36.7	120.6	58.2	16.7	-12.4	-10.7	-19.2	4.3	11.4	8.8	4.3	5.9	224.6
7	24.1	166.5	171.6	-8.1	-27.0	-23.1	-11.5	-8.7	8.7	-6.9	14.8	23.5	323.9
8	21.4	210.0	177.7	12.4	12.0	-2.3	-7.3	7.1	10.0	8.0	1.4	20.9	471.3
9	101.8	278.0	75.5	6.7	-14.8	-6.6	-2.1	4.4	11.7	6.9	13.9	9.9	485.3
1970	9.5	108.5	53.5	-6.7	-24.6	-22.5	-13.9	-5.5	-0.4	-0.8	16.1	14.2	127.4

TABLE F.4

MONTHLY AND ANNUAL GROSS HISTORIC INFLOWS IN KILO ACRE-FEET

OKANAGAN LAKE BASIN

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	49.4	257.5	190.8	52.0	33.0	6.6	15.0	7.0	3.9	8.9	-5.4	17.9	636.6
2	47.5	193.4	172.6	38.6	36.4	32.2	22.8	0.1	4.1	6.6	-1.0	34.6	587.9
3	75.6	217.4	219.7	68.1	40.1	12.8	16.5	5.1	12.3	-19.7	25.3	26.4	699.6
4	37.3	175.1	71.5	28.3	28.7	9.6	19.5	9.8	3.6	11.2	18.4	20.8	433.8
5	86.6	225.8	108.0	35.0	17.1	4.7	11.5	-2.1	16.9	21.0	7.1	27.5	559.1
6	84.4	128.0	48.4	36.8	22.8	6.0	21.3	13.5	-2.3	10.3	-7.3	10.4	372.3
7	44.1	152.9	175.6	52.0	42.0	74.3	81.8	30.4	27.2	12.9	12.0	39.0	744.2
8	102.0	437.7	181.2	106.4	29.2	16.7	11.1	40.6	-21.7	0.2	-7.4	28.1	924.1
9	35.1	85.9	101.9	30.6	56.1	56.4	14.2	-4.3	-9.0	-0.6	9.3	18.4	394.0
1930	77.6	84.8	89.4	38.2	40.5	20.5	3.8	5.9	-17.4	6.9	-1.5	21.9	370.6
1	45.5	118.4	65.7	50.5	18.4	14.8	6.4	4.4	3.6	-7.3	-6.5	38.8	352.7
2	91.3	241.1	156.6	42.0	47.5	19.5	12.4	33.5	0.0	4.2	-4.2	23.3	675.6
3	70.1	228.5	218.7	73.5	39.2	34.3	41.4	25.9	35.8	28.5	-4.7	50.6	860.2
4	252.9	182.4	72.3	48.0	45.3	19.4	16.7	35.5	16.0	13.5	17.6	36.8	756.4
5	51.3	247.6	176.5	136.3	63.6	30.8	11.0	5.7	8.7	26.0	-5.2	19.9	772.2
6	116.6	244.0	140.3	59.9	36.7	17.0	14.8	-17.5	15.9	-6.0	15.0	24.3	661.0
7	57.9	205.0	203.7	58.6	26.9	26.3	21.8	29.8	10.3	6.5	9.0	29.6	685.4
8	90.1	239.0	112.1	48.0	28.3	32.5	12.2	-6.7	6.9	14.4	-6.6	23.7	593.9
9	76.5	169.7	99.2	47.8	22.6	18.1	6.7	10.5	20.8	-0.3	5.9	40.9	518.4
1940	81.5	166.6	75.7	35.9	18.5	29.2	15.3	-4.7	6.1	13.8	5.6	31.6	475.1
1	109.2	130.6	109.7	61.7	41.2	46.7	52.6	29.2	26.8	-4.3	16.2	14.5	634.1
2	107.6	266.0	205.7	98.4	35.9	14.6	6.0	1.9	15.6	-2.1	14.7	9.6	773.9
3	82.4	157.1	141.9	55.7	30.6	8.3	24.9	1.6	-9.7	2.1	15.6	3.7	514.2
4	55.4	149.7	149.8	51.6	34.4	31.7	28.1	22.0	3.5	12.7	16.9	16.8	572.6
5	45.9	300.9	177.6	47.8	33.6	13.4	37.6	6.6	14.0	15.6	8.4	28.9	730.3
6	113.1	382.1	198.9	55.8	42.3	12.8	2.4	8.1	-4.6	0.4	10.9	31.4	853.6
7	75.5	139.8	96.1	43.1	32.9	24.0	28.5	17.0	2.9	5.5	3.0	11.4	479.7
8	75.6	397.5	253.2	81.1	106.7	39.8	33.9	2.6	6.3	-4.6	17.3	31.8	1041.2
9	126.2	307.6	98.9	63.3	53.0	18.6	6.6	15.3	27.3	-13.1	8.7	29.2	741.8
1950	58.7	238.4	258.3	64.8	56.7	12.6	25.0	14.4	20.8	-4.7	30.6	25.3	800.9
1	120.9	379.3	154.3	77.0	29.7	31.6	30.0	10.6	14.6	-3.9	20.9	24.9	889.9
2	130.0	311.6	127.2	71.2	36.0	22.2	16.2	-3.7	5.7	27.6	17.3	18.3	779.6
3	51.2	194.2	175.0	64.2	60.4	9.2	22.8	24.2	17.1	6.3	18.3	18.8	661.7
4	38.1	275.8	197.2	109.8	67.5	53.6	23.8	46.2	12.5	8.7	7.9	16.5	857.6
5	49.6	155.4	254.7	112.7	39.6	28.4	21.6	0.3	20.5	17.2	1.2	33.1	734.3
6	116.6	330.8	181.9	69.4	49.8	20.7	17.7	3.1	10.4	1.2	12.1	24.5	838.2
7	64.8	340.8	111.4	46.6	60.4	34.8	13.3	10.1	11.9	25.0	30.7	32.7	782.5
8	75.4	282.0	114.7	54.7	30.2	19.1	29.0	9.1	19.4	18.1	7.2	31.9	690.8
9	73.9	314.2	242.4	67.4	30.6	60.4	43.9	20.9	20.7	13.2	22.7	22.1	932.4
1960	93.6	206.7	147.6	52.3	29.7	25.2	13.3	13.5	-2.2	5.9	19.2	25.4	630.2
1	55.6	258.6	144.2	54.7	37.4	-11.2	5.9	-8.7	13.5	3.9	14.8	11.9	580.6
2	79.6	163.7	137.4	57.8	41.8	11.8	31.5	13.8	4.1	0.6	10.4	32.4	584.9
3	54.8	149.9	92.5	65.2	48.6	35.2	8.9	15.4	8.0	10.9	4.2	23.1	516.7
4	45.6	188.0	259.6	87.6	61.1	41.4	40.7	29.0	-5.2	29.8	14.5	15.4	807.5
5	106.4	236.6	161.7	58.7	60.0	21.5	26.0	14.2	2.3	0.4	9.2	21.9	718.9
6	57.9	152.5	94.9	60.6	31.5	27.2	3.2	14.8	17.1	13.3	13.6	15.2	501.8
7	41.7	196.0	215.5	39.3	26.4	19.6	12.1	0.6	8.7	-6.9	19.3	37.5	609.8
8	41.4	239.5	215.6	61.0	53.5	32.0	12.7	16.4	10.0	8.0	1.4	31.4	722.9
9	124.2	312.3	122.9	51.7	29.1	27.7	16.7	14.9	13.8	6.9	19.6	21.5	761.3
1970	28.3	139.2	98.5	43.1	22.8	8.2	4.9	-2.2	-0.4	-0.8	19.4	21.1	382.1

TABLE F.5

MONTHLY AND ANNUAL NET HISTORIC LOCAL INFLOWS IN KILO ACRE-FEET
OKANAGAN RIVER BETWEEN PENTICTON AND OKANAGAN FALLS

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIM-ATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	(2.4)	(13.9)	(8.5)	-(0.3)	-(1.3)	-(1.4)	(0.1)	(0.4)	(0.6)	(0.9)	(0.1)	(1.0)	(24.9)
2	(2.2)	(9.8)	(7.1)	-(1.2)	-(1.2)	-(0.1)	(0.6)	(0.0)	(0.7)	(0.6)	(0.1)	(2.0)	(20.6)
3	(3.7)	(11.3)	(10.3)	(0.4)	-(1.1)	-(1.3)	(0.2)	(0.0)	(1.0)	(0.1)	(1.2)	(1.3)	(27.1)
4	(1.4)	(8.3)	(0.9)	-(1.9)	-(1.9)	-(1.6)	(0.4)	(0.6)	(0.6)	(1.0)	(0.7)	(0.7)	(9.2)
5	(4.4)	(11.5)	(3.1)	-(1.7)	-(2.5)	-(1.8)	(0.1)	-(0.3)	(0.9)	(1.5)	(0.0)	(1.0)	(16.2)
6	(4.1)	(5.5)	-(0.7)	-(1.7)	-(2.2)	-(1.4)	(0.5)	(0.5)	(0.1)	(1.0)	(0.0)	(0.1)	(5.8)
7	(2.0)	(7.6)	(7.1)	-(0.5)	-(1.3)	(2.6)	(4.4)	(1.9)	(2.1)	(0.8)	(0.9)	(1.8)	(29.4)
8	(5.2)	(24.5)	(7.6)	(2.6)	-(2.0)	-(1.1)	(0.2)	(2.3)	(0.1)	(0.0)	(0.2)	(1.2)	(40.8)
9	(1.5)	(3.6)	(2.7)	-(1.9)	-(0.4)	(1.5)	(0.2)	-(0.2)	(0.1)	(0.0)	(0.6)	(0.7)	(8.4)
1930	(3.7)	(3.1)	(2.0)	-(1.6)	-(1.4)	-(0.8)	(0.3)	(0.3)	(0.1)	(0.5)	-(0.1)	(0.8)	(6.9)
1	(1.9)	(5.3)	(0.4)	-(1.0)	-(2.9)	-(1.2)	(0.2)	(0.6)	(0.5)	-(0.2)	(0.2)	(2.2)	(6.0)
2	(4.8)	(13.0)	(5.9)	-(1.2)	-(0.9)	-(0.8)	(0.2)	(1.8)	(0.2)	(0.6)	(0.7)	(1.1)	(25.4)
3	(3.7)	(12.4)	(9.9)	(0.6)	-(1.7)	(0.2)	(2.1)	(1.3)	(1.4)	(1.9)	(0.9)	(2.6)	(35.5)
4	(14.6)	(9.0)	(0.6)	-(0.9)	-(1.2)	-(0.7)	(0.4)	(1.9)	(1.3)	(1.2)	(1.2)	(2.2)	(29.6)
5	(2.7)	(13.7)	(7.1)	(4.3)	-(0.1)	-(0.3)	(0.2)	(0.5)	(0.7)	(2.0)	(0.2)	(1.0)	(32.0)
6	(6.3)	(13.0)	(4.7)	-(0.7)	-(1.9)	-(0.9)	(0.3)	(0.0)	(1.4)	(0.2)	(1.3)	(1.3)	(25.0)
7	(2.8)	(10.7)	(8.5)	-(0.8)	-(2.4)	-(0.7)	(0.8)	(0.1)	(0.9)	(0.7)	(0.9)	(1.5)	(23.0)
8	(4.7)	(12.6)	(2.7)	-(1.6)	-(2.3)	-(0.4)	(0.2)	-(0.1)	(0.8)	(1.0)	(0.2)	(1.2)	(19.0)
9	(3.7)	(3.1)	(2.4)	-(1.3)	-(2.9)	-(1.1)	(0.1)	(0.4)	(1.2)	(0.1)	(0.4)	(2.0)	(13.1)
1940	(4.0)	(8.0)	(0.4)	-(2.3)	-(3.1)	-(0.7)	(0.2)	(0.1)	(0.6)	(1.2)	(0.5)	(1.5)	(10.4)
1	(5.8)	(5.8)	(2.7)	-(0.7)	-(1.8)	(0.9)	(2.8)	(1.5)	(1.9)	(0.2)	(1.1)	(0.6)	(20.8)
2	(5.8)	(14.0)	(8.9)	(1.6)	-(2.0)	-(1.1)	(0.2)	(0.1)	(1.4)	(0.2)	(1.1)	(0.6)	(30.8)
3	(4.2)	3.5	6.2	0.2	- 1.4	- 1.2	-0.1	0.6	0.0	0.8	0.6	0.4	13.8
4	1.8	6.9	7.1	- 1.2	- 1.9	- 1.1	0.3	0.9	0.8	2.0	2.7	1.1	19.4
5	1.9	19.1	12.8	- 0.1	- 2.5	- 1.0	0.6	0.4	0.0	0.7	1.5	1.7	35.1
6	6.8	19.6	10.3	0.1	- 0.7	0.8	1.6	0.1	3.7	2.5	1.3	1.4	47.5
7	1.1	2.9	1.5	- 0.3	- 3.0	- 1.9	-0.4	0.0	-0.6	1.5	2.0	0.9	3.7
8	4.2	26.0	19.5	2.3	2.6	6.5	-0.6	4.2	-3.6	5.5	1.4	8.0	76.0
9	6.7	11.1	0.8	- 0.2	- 2.4	- 1.4	-0.5	0.6	1.3	- 0.1	- 1.1	3.5	18.3
1950	3.4	10.6	15.5	0.2	- 1.3	- 1.7	0.0	1.4	2.4	3.4	1.5	3.3	38.7
1	7.1	23.5	4.9	- 3.4	- 2.1	- 2.0	1.2	1.8	2.2	2.8	5.8	1.1	42.9
2	9.9	23.9	6.1	20.9	- 1.1	0.0	3.6	- 4.7	0.0	1.5	1.0	2.4	63.5
3	2.1	11.8	7.7	- 0.3	- 1.8	- 1.5	1.8	0.7	1.9	- 4.0	2.6	-2.8	18.2
4	0.8	7.5	- 0.9	- 0.4	- 0.9	- 2.2	-3.4	- 3.3	-2.9	- 3.4	- 1.9	-2.2	-13.2
5	0.5	5.3	10.5	- 4.5	- 9.3	- 7.8	-0.3	- 0.8	0.0	1.2	- 3.4	-1.5	-10.1
6	1.1	13.3	0.2	- 5.3	- 5.3	- 4.5	-3.6	- 2.0	0.3	- 1.3	- 0.4	0.2	7.3
7	3.5	16.5	0.2	- 1.4	- 3.3	- 4.3	-0.1	- 0.6	0.7	- 0.4	0.5	0.4	11.7
8	2.6	11.7	2.4	- 1.6	- 2.8	- 4.0	-1.3	- 1.9	0.2	0.5	- 0.2	0.7	6.3
9	5.0	20.9	13.9	3.0	- 1.4	- 1.2	0.1	1.5	-0.1	0.7	2.0	0.9	45.2
1960	1.8	11.9	5.9	- 1.4	- 0.4	- 1.0	-1.8	0.9	1.1	1.2	1.4	2.2	21.7
1	1.7	14.1	6.1	- 1.9	- 1.5	- 1.6	0.0	0.4	1.8	1.4	2.2	3.2	25.9
2	6.6	8.5	6.9	- 0.1	- 1.0	- 0.2	2.2	1.4	0.7	- 0.4	1.7	1.7	28.1
3	2.3	6.9	4.5	2.6	- 3.6	- 1.7	-0.3	0.0	0.6	0.8	1.5	0.9	14.5
4	1.3	6.5	13.5	- 1.8	- 1.1	0.9	0.6	1.2	0.2	2.0	0.7	-0.5	23.5
5	1.8	10.1	6.4	0.0	- 2.9	- 1.0	-0.7	0.7	1.1	1.6	1.8	1.5	20.4
6	1.6	2.5	0.1	- 0.2	- 2.3	- 1.0	-1.0	0.7	0.9	1.5	6.5	-1.7	7.6
7	-1.7	8.1	10.9	- 0.6	- 1.2	- 0.8	0.2	-	-	-	-	-	-
8	0.0	8.1	5.1	- 1.9	- 1.9	0.4	-0.2	3.0	1.6	2.3	3.1	0.8	20.4
9	5.7	19.2	7.7	0.2	- 1.1	0.2	0.1	1.5	2.4	1.5	1.5	1.7	40.6
1970	1.5	3.5	3.3	- 0.7	- 1.0	0.2	1.0	0.5	2.2	1.8	0.9	-1.2	12.0

NOTE: Figures in brackets are correlative estimated.

TABLE F.6

MONTHLY AND ANNUAL NET HISTORIC LOCAL BASIN INFLOWS IN KILO ACRE-FEET
OKANAGAN RIVER BETWEEN PENTICTON AND OKANAGAN FALLS

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIM-ATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	(2.3)	(14.5)	(9.7)	(0.9)	-(0.2)	-(1.1)	-(0.2)	(0.2)	(0.4)	(0.8)	(0.0)	(0.9)	(28.2)
2	(2.1)	(10.5)	(8.4)	(0.0)	(0.1)	(0.2)	(0.3)	-(0.2)	(0.5)	(0.5)	(0.0)	(1.9)	(24.3)
3	(3.6)	(12.0)	(11.6)	(1.7)	(0.2)	-(1.0)	-(0.1)	-(0.2)	(0.8)	(0.0)	(1.1)	(1.2)	(30.9)
4	(1.3)	(9.0)	(2.3)	-(0.6)	-(0.5)	-(1.3)	(0.1)	(0.4)	(0.4)	(0.9)	(0.7)	(0.6)	(13.3)
5	(4.3)	(12.2)	(4.5)	-(0.3)	-(1.1)	-(1.5)	-(0.2)	-(0.5)	(0.7)	(1.4)	-(0.1)	(1.0)	(20.4)
6	(3.9)	(6.3)	(0.7)	-(0.3)	-(0.8)	-(1.1)	(0.2)	(0.3)	-(0.1)	(0.8)	-(0.2)	(0.0)	(9.7)
7	(1.8)	(8.0)	(8.6)	(0.7)	(0.2)	(2.9)	-(4.0)	(1.7)	(1.9)	(1.0)	(0.7)	(1.7)	(33.2)
8	(5.4)	(25.3)	(9.1)	(4.1)	-(0.5)	-(0.7)	-(0.2)	(2.1)	-(0.1)	(0.2)	(0.0)	(1.1)	(45.8)
9	(1.3)	(3.6)	(4.3)	-(0.4)	(1.2)	(1.9)	-(0.2)	-(0.4)	-(0.1)	(0.0)	(0.4)	(0.6)	(12.2)
1930	(3.5)	(3.8)	(3.6)	(0.0)	(0.2)	-(0.4)	-(0.7)	(0.1)	-(0.1)	(0.3)	-(0.3)	(0.7)	(10.7)
1	(1.7)	(5.6)	(2.1)	(0.6)	-(1.2)	-(0.8)	-(0.6)	(0.4)	(0.3)	(0.0)	(0.0)	(2.1)	(10.2)
2	(4.6)	(13.5)	(7.6)	(0.5)	(0.8)	-(0.4)	(0.2)	(1.6)	(0.0)	(0.4)	(0.5)	(0.7)	(29.6)
3	(3.5)	(12.9)	(11.7)	(2.8)	-(0.2)	(0.6)	(1.7)	(1.1)	(2.3)	(1.7)	(0.7)	(2.5)	(41.3)
4	(14.4)	(9.7)	(2.4)	(0.9)	(0.6)	-(0.3)	(0.0)	(1.7)	(1.1)	(1.0)	(1.0)	(2.1)	(34.6)
5	(2.5)	(13.9)	(9.0)	(6.1)	(1.8)	(0.1)	-(0.2)	(0.3)	(0.5)	(1.7)	(0.0)	(0.9)	(36.6)
6	(6.1)	(13.4)	(6.6)	(1.2)	(0.0)	-(0.5)	-(0.2)	-(0.3)	(1.1)	(0.0)	(1.1)	(1.1)	(29.6)
7	(2.6)	(11.2)	(10.5)	(1.1)	-(0.4)	-(0.2)	(0.3)	(1.6)	(0.6)	(0.5)	(0.7)	(1.3)	(29.8)
8	(4.5)	(13.1)	(4.7)	(0.4)	-(0.3)	(0.1)	-(0.3)	(0.4)	(0.5)	(0.8)	(0.0)	(1.0)	(24.9)
9	(3.5)	(8.9)	(4.4)	(0.7)	-(0.9)	-(0.6)	-(0.6)	(0.1)	(0.9)	-(0.1)	(0.2)	(1.8)	(18.3)
1940	(3.8)	(8.6)	(2.5)	-(0.3)	-(1.0)	-(0.2)	-(0.3)	-(0.2)	(0.3)	(1.0)	(0.3)	(1.3)	(15.8)
1	(5.6)	(6.6)	(4.8)	(1.3)	(0.3)	(1.4)	(2.3)	(1.3)	(1.6)	(0.0)	(0.9)	(0.4)	(26.5)
2	(5.6)	(15.1)	(11.0)	(3.7)	(0.1)	-(0.8)	-(0.7)	-(0.2)	(1.1)	(0.0)	(0.9)	(0.4)	(36.2)
3	(4.0)	4.6	8.3	2.2	0.7	- 0.8	- 0.7	0.3	- 0.1	0.6	0.4	0.1	(19.6)
4	1.5	8.1	9.2	0.9	0.2	- 0.6	- 0.2	0.6	0.5	1.8	2.4	0.8	25.2
5	1.6	20.3	14.9	2.1	- 0.2	- 0.5	0.0	0.1	- 0.1	0.5	1.3	1.5	41.5
6	6.6	20.8	12.5	2.2	1.3	1.3	1.0	- 0.1	3.4	2.2	1.0	1.3	53.5
7	0.9	4.1	3.7	1.8	- 0.7	- 1.4	- 1.0	0.3	- 0.3	1.2	1.8	0.7	11.1
8	3.9	27.1	21.8	4.5	4.8	7.0	- 1.1	3.9	0.0	5.3	1.1	7.8	86.1
9	6.5	12.3	3.0	1.9	- 0.2	- 1.0	- 1.0	0.3	1.0	0.0	- 0.1	3.3	26.0
1950	3.2	11.7	17.7	2.4	0.9	- 1.2	- 0.5	1.1	2.1	3.2	1.3	3.2	45.1
1	6.9	24.6	7.2	- 1.2	0.1	- 1.5	0.7	1.5	1.8	2.6	5.5	0.9	49.1
2	9.6	25.1	8.3	23.1	1.1	0.5	3.1	- 0.5	- 0.3	1.2	0.7	2.2	74.1
3	1.8	13.0	9.9	1.9	0.4	- 1.1	1.3	0.4	1.6	0.0	2.3	-0.4	31.1
4	0.5	8.7	1.3	1.8	1.4	- 1.8	- 1.0	- 0.9	- 0.2	0.0	0.0	-0.2	9.6
5	0.3	6.4	12.8	- 2.3	- 2.3	- 1.9	- 1.2	0.0	0.0	1.0	0.0	-0.5	12.3
6	0.9	14.4	2.4	- 2.7	- 2.5	- 1.9	- 1.1	- 0.4	0.0	0.0	0.0	0.4	9.5
7	3.2	17.7	2.5	0.8	- 1.1	- 2.1	- 0.7	- 0.5	0.4	- 0.4	0.3	0.3	20.4
8	2.3	12.9	4.6	0.7	- 0.5	- 1.9	- 1.2	- 0.3	- 0.2	- 0.3	0.0	0.5	16.5
9	4.7	22.1	16.3	5.3	1.0	- 1.9	- 0.5	1.2	- 0.3	0.5	1.7	0.7	50.8
1960	1.6	13.2	8.3	1.0	2.1	- 0.5	- 1.3	0.5	0.8	0.9	1.2	2.0	29.8
1	1.4	15.5	8.6	0.5	1.1	- 1.0	- 0.6	0.0	1.4	1.2	2.0	3.0	33.1
2	6.3	9.8	9.5	2.3	1.6	0.4	1.5	1.1	- 0.4	0.0	1.4	1.4	34.9
3	2.0	8.3	7.1	5.1	- 0.9	- 1.1	- 0.9	- 0.3	0.2	0.5	1.2	0.7	21.9
4	1.0	16.7	16.2	0.9	1.6	1.5	0.0	0.9	0.0	1.6	0.4	-0.3	40.5
5	1.5	11.5	9.2	2.7	- 0.2	- 0.4	- 1.4	0.3	0.7	1.3	1.6	1.2	28.0
6	1.3	4.0	2.9	2.5	0.5	- 0.4	- 1.3	0.4	0.5	1.2	6.2	-0.6	17.2
7	- 1.1	9.5	13.6	2.2	1.6	- 0.2	- 0.5	- 0.3	0.6	- 0.1	1.1	1.7	28.1
8	- 0.4	9.6	8.0	0.8	0.9	1.0	- 0.8	2.6	1.3	2.0	2.8	0.6	28.4
9	5.4	20.6	10.6	2.9	1.7	0.9	- 0.6	1.1	2.0	1.2	1.2	1.4	48.4
1970	1.2	5.0	6.1	2.0	1.8	0.9	0.3	-	1.8	1.5	0.6	-0.4	20.8

NOTE: Figures in brackets are correlative estimated.

TABLE F.7

MONTHLY AND ANNUAL HISTORIC LOCAL INFLOWS IN KILO ACRE-FEET
OKANAGAN RIVER BETWEEN OKANAGAN FALLS AND HYDROMETRIC STATION NEAR OLIVER

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	(5.3)	(21.1)	(15.2)	(4.1)	(2.5)	(1.4)	(2.7)	(2.0)	(1.7)	(2.0)	(1.3)	(2.7)	(62.0)
2	(5.1)	(16.0)	(13.7)	(3.0)	(2.8)	(3.5)	(3.3)	(1.4)	(1.7)	(1.8)	(1.3)	(4.1)	(57.7)
3	(7.3)	(17.9)	(17.4)	(5.2)	(3.0)	(1.9)	(2.8)	(1.8)	(2.4)	(1.3)	(3.3)	(3.4)	(67.7)
4	(4.4)	(14.4)	(5.5)	(2.1)	(2.1)	(1.7)	(3.1)	(2.2)	(1.7)	(2.3)	(2.9)	(3.0)	(45.4)
5	(8.3)	(18.5)	(8.3)	(2.6)	(1.1)	(1.3)	(2.4)	(1.4)	(2.8)	(3.1)	(2.0)	(3.5)	(55.3)
6	(8.2)	(10.6)	(3.6)	(2.6)	(1.5)	(1.3)	(3.3)	(2.5)	(1.4)	(2.2)	(1.4)	(2.1)	(40.7)
7	(4.9)	(12.6)	(13.6)	(3.9)	(3.0)	(6.7)	(8.1)	(3.8)	(3.6)	(2.4)	(2.4)	(4.4)	(69.4)
8	(9.6)	(35.3)	(14.1)	(8.1)	(1.9)	(2.1)	(2.5)	(4.6)	(1.4)	(1.4)	(1.4)	(3.6)	(86.0)
9	(4.2)	(7.2)	(7.7)	(2.0)	(4.0)	(5.3)	(2.7)	(1.4)	(1.4)	(1.4)	(2.1)	(2.8)	(42.2)
1930	(7.6)	(7.1)	(6.7)	(1.4)	(2.7)	(2.4)	(1.9)	(1.9)	(1.4)	(2.0)	(1.4)	(3.1)	(39.6)
1	(5.0)	(9.7)	(4.7)	(3.5)	(0.9)	(2.0)	(2.1)	(1.8)	(1.7)	(1.4)	(1.4)	(4.4)	(38.6)
2	(8.7)	(19.5)	(11.9)	(2.8)	(3.2)	(2.4)	(2.6)	(4.1)	(1.4)	(1.7)	(1.7)	(3.2)	(63.2)
3	(7.0)	(18.5)	(16.8)	(5.3)	(2.4)	(3.5)	(4.9)	(3.5)	(4.3)	(3.7)	(2.5)	(5.3)	(77.7)
4	(21.6)	(14.8)	(5.1)	(3.1)	(2.9)	(2.4)	(3.0)	(4.5)	(2.8)	(2.5)	(2.8)	(4.3)	(69.6)
5	(5.5)	(19.9)	(13.3)	(10.2)	(4.3)	(3.2)	(2.6)	(2.0)	(2.2)	(3.5)	(1.4)	(3.0)	(71.1)
6	(10.7)	(19.6)	(10.4)	(4.0)	(2.1)	(2.1)	(2.9)	(1.5)	(2.8)	(1.4)	(1.5)	(3.3)	(62.3)
7	(6.0)	(16.5)	(15.4)	(3.9)	(1.3)	(2.8)	(3.4)	(3.9)	(2.3)	(1.9)	(1.5)	(3.8)	(62.7)
8	(8.6)	(19.2)	(8.1)	(2.9)	(1.4)	(3.3)	(2.7)	(1.5)	(2.1)	(2.6)	(1.4)	(3.3)	(57.1)
9	(7.5)	(13.6)	(6.9)	(2.9)	(0.8)	(2.1)	(2.2)	(2.3)	(3.2)	(1.4)	(1.9)	(4.7)	(49.5)
1940	(7.9)	(13.3)	(5.1)	(2.0)	(0.5)	(3.0)	(2.9)	(1.5)	(2.0)	(2.5)	(1.8)	(3.9)	(46.4)
1	(10.1)	(10.4)	(7.8)	(3.9)	(2.3)	(4.4)	(5.9)	(3.8)	(3.6)	(1.4)	(2.7)	(2.6)	(58.9)
2	(10.0)	(21.3)	(15.5)	(6.9)	(1.9)	(1.9)	(2.2)	(1.7)	(2.7)	(1.4)	(2.6)	(2.2)	(70.3)
3	(8.0)	(12.6)	(10.3)	(3.5)	(1.3)	(1.4)	(3.7)	(1.6)	(1.5)	(1.6)	(2.6)	(1.7)	(49.8)
4	(5.8)	(12.0)	(10.9)	(3.1)	4.6	4.1	0.5	1.0	0.5	3.6	1.4	0.7	48.2
5	2.1	26.9	19.5	7.4	5.7	5.1	0.5	1.2	1.9	2.5	0.2	0.4	73.4
6	7.2	25.3	14.3	4.8	2.6	2.9	0.6	3.0	0.4	1.8	2.3	1.4	66.6
7	3.3	9.6	7.5	5.0	2.7	3.9	0.6	0.3	0.3	0.2	0.2	0.2	33.8
8	4.8	22.8	16.1	7.4	4.3	1.6	1.2	0.3	0.3	0.2	0.2	0.2	59.4
9	1.0	6.0	8.0	8.0	9.0	7.0	1.0	0.3	0.3	0.3	0.3	0.2	41.4
1950	0.3	7.0	8.0	9.0	9.0	9.0	1.0	0.3	0.3	0.3	0.3	0.2	44.7
1	0.3	7.0	8.0	8.0	9.0	7.0	1.0	0.3	0.3	0.3	0.3	0.2	41.7
2	1.0	30.9	12.2	7.3	5.1	5.9	4.3	4.8	3.8	3.2	2.5	1.7	82.7
3	1.7	25.4	21.0	5.9	8.4	9.4	1.5	3.2	2.7	5.0	1.6	4.9	90.7
4	4.5	24.6	21.7	9.2	5.4	11.9	4.1	5.8	4.6	6.7	3.6	2.6	104.7
5	1.4	13.4	22.6	11.3	6.8	8.7	2.1	6.6	5.3	0.4	4.2	2.8	85.6
6	10.4	33.8	21.1	13.7	9.2	10.0	8.4	4.1	0.3	0.3	0.3	0.2	111.8
7	0.3	7.0	9.0	9.0	10.0	9.0	4.4	1.9	1.7	0.9	0.8	1.1	55.1
8	0.5	26.5	14.0	7.5	2.7	9.2	4.0	3.0	1.8	4.2	0.8	0.2	74.4
9	2.1	24.2	22.9	5.1	4.7	5.1	2.8	0.3	0.3	0.7	2.2	3.7	74.1
1960	5.3	20.7	11.1	2.7	3.4	5.3	2.0	1.2	1.2	3.3	0.3	1.2	57.7
1	2.8	28.7	19.5	4.6	3.4	5.4	2.1	1.2	1.8	1.4	0.3	0.2	71.4
2	2.6	16.1	9.6	1.8	3.6	3.0	3.0	1.0	1.0	0.3	0.3	0.8	43.1
3	1.7	13.0	6.4	5.9	3.1	3.3	1.5	1.1	2.2	1.5	0.3	0.7	40.7
4	0.3	11.3	19.3	4.1	3.7	7.6	5.0	3.9	2.0	1.2	1.2	3.2	62.8
5	8.3	29.7	21.6	3.6	4.8	0.0	1.8	1.5	0.6	1.9	1.7	0.2	75.7
6	1.6	7.8	3.9	2.0	2.4	5.5	1.7	1.4	1.7	1.2	0.3	2.5	32.0
7	2.6	22.0	22.5	2.5	1.7	3.1	2.0	1.6	2.3	0.9	3.0	4.4	68.6
8	1.2	16.8	14.9	5.5	6.3	5.0	2.1	1.3	0.4	0.3	0.3	0.2	54.3
9	6.2	22.3	7.9	3.9	2.2	4.9	4.2	3.4	5.4	4.0	1.2	0.6	66.2
1970	1.0	13.2	7.3	0.2	1.4	2.8	0.1	0.7	0.9	1.6	1.0	0.4	30.6

NOTE: Figures in brackets are correlative estimated.

TABLE F.8

MONTHLY AND ANNUAL HISTORIC LOCAL BASIN INFLOWS IN KILO ACRE-FEET
OKANAGAN RIVER BETWEEN OKANAGAN FALLS AND HYDROMETRIC STATION NEAR OLIVER

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	(5.2)	(21.8)	(16.5)	(5.4)	(3.8)	(1.7)	(2.4)	(1.8)	(1.5)	(1.9)	(1.2)	(2.6)	(65.8)
2	(5.0)	(16.7)	(15.0)	(4.3)	(4.1)	(3.8)	(3.0)	(1.2)	(1.5)	(1.7)	(1.2)	(4.0)	(61.5)
3	(7.2)	(18.6)	(18.8)	(6.6)	(4.4)	(2.2)	(2.5)	(1.6)	(2.2)	(1.2)	(3.2)	(3.3)	(71.8)
4	(4.2)	(15.2)	(6.9)	(3.5)	(3.5)	(2.0)	(2.8)	(2.0)	(1.5)	(2.1)	(2.7)	(2.9)	(49.3)
5	(8.1)	(19.3)	(9.8)	(4.0)	(2.6)	(1.6)	(2.1)	(1.2)	(2.6)	(2.9)	(1.8)	(3.4)	(59.4)
6	(8.0)	(11.4)	(5.1)	(4.1)	(3.0)	(1.7)	(2.9)	(2.3)	(1.2)	(2.0)	(1.2)	(2.0)	(44.9)
7	(4.7)	(13.4)	(15.2)	(5.4)	(4.6)	(7.1)	(7.7)	(3.6)	(3.4)	(2.2)	(2.2)	(4.3)	(73.8)
8	(9.4)	(36.2)	(15.7)	(9.7)	(3.5)	(2.5)	(2.1)	(4.4)	(1.2)	(1.2)	(1.2)	(3.5)	(90.6)
9	(4.0)	(8.1)	(9.4)	(3.6)	(5.7)	(5.7)	(2.3)	(1.2)	(1.2)	(1.2)	(1.9)	(2.7)	(47.0)
1930	(7.4)	(8.0)	(8.4)	(3.1)	(4.4)	(2.8)	(1.5)	(1.7)	(1.2)	(1.8)	(1.2)	(3.0)	(44.5)
1	(4.8)	(10.7)	(6.5)	(5.2)	(2.7)	(2.4)	(1.7)	(1.6)	(1.5)	(1.2)	(1.2)	(4.3)	(43.8)
2	(8.5)	(20.5)	(13.7)	(4.6)	(5.0)	(2.8)	(2.2)	(3.9)	(1.2)	(1.5)	(1.5)	(3.1)	(68.5)
3	(6.8)	(19.5)	(18.7)	(7.1)	(4.3)	(3.9)	(4.5)	(3.3)	(4.1)	(3.5)	(2.3)	(5.2)	(83.2)
4	(21.4)	(15.8)	(7.0)	(5.0)	(4.8)	(2.8)	(2.5)	(4.0)	(2.5)	(2.3)	(2.6)	(4.1)	(74.8)
5	(5.3)	(21.0)	(15.3)	(12.1)	(6.3)	(3.7)	(2.1)	(1.7)	(1.9)	(3.3)	(1.2)	(2.8)	(76.7)
6	(10.5)	(20.7)	(12.4)	(6.0)	(4.1)	(2.6)	(2.4)	(1.2)	(2.5)	(1.2)	(1.3)	(3.1)	(68.0)
7	(5.8)	(17.6)	(17.5)	(5.9)	(3.4)	(3.3)	(2.9)	(3.6)	(2.0)	(1.7)	(1.3)	(3.6)	(68.6)
8	(8.4)	(20.3)	(10.2)	(5.0)	(3.5)	(3.8)	(2.2)	(1.2)	(1.8)	(2.4)	(1.2)	(3.1)	(63.1)
9	(7.3)	(14.8)	(9.1)	(5.0)	(3.0)	(2.6)	(1.7)	(2.0)	(2.9)	(1.2)	(1.7)	(4.5)	(55.8)
1940	(7.7)	(14.5)	(7.3)	(4.1)	(2.7)	(3.5)	(2.4)	(1.2)	(1.7)	(2.3)	(1.6)	(3.7)	(52.7)
1	(9.9)	(11.6)	(10.0)	(6.1)	(4.5)	(4.9)	(5.4)	(3.5)	(3.3)	(1.2)	(2.5)	(2.4)	(65.3)
2	(9.8)	(22.5)	(17.7)	(9.1)	(4.1)	(2.4)	(1.7)	(1.4)	(2.4)	(1.2)	(2.4)	(2.0)	(76.7)
3	(7.8)	(13.8)	(12.6)	(5.7)	(3.6)	(1.9)	(3.2)	(1.3)	(1.2)	(1.4)	(2.4)	(1.5)	(56.4)
4	(5.6)	(13.2)	(13.2)	(5.3)	6.9	4.6	0.0	0.7	0.2	3.4	1.2	0.5	54.8
5	1.9	28.1	21.8	9.6	8.0	5.6	0.0	0.9	1.6	2.3	0.0	0.2	80.0
6	7.0	26.5	16.6	7.1	4.9	3.4	0.0	2.7	0.1	1.6	2.1	1.2	73.2
7	3.1	10.9	9.9	7.3	5.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0	40.7
8	4.6	24.1	18.5	9.7	6.7	2.2	0.6	0.0	0.0	0.0	0.0	0.0	66.4
9	0.7	7.3	10.4	10.3	11.4	7.6	0.4	0.0	0.0	0.0	0.0	0.0	48.1
1950	0.0	8.3	10.4	11.3	11.4	9.6	0.4	0.0	0.0	0.0	0.0	0.0	51.4
1	0.0	8.3	10.4	10.3	11.4	7.6	0.4	0.0	0.0	0.0	0.0	0.0	48.4
2	0.7	32.2	14.6	9.6	7.5	6.5	3.7	4.5	3.5	2.9	2.2	1.5	89.4
3	1.4	26.7	23.4	8.2	10.8	10.0	0.9	2.9	2.4	4.7	1.3	4.7	97.4
4	4.2	25.9	24.1	11.5	7.8	12.5	3.5	5.5	4.3	6.4	3.3	2.4	111.4
5	1.1	14.7	25.0	13.6	9.2	9.3	1.5	6.3	5.0	0.1	3.9	2.6	92.3
6	10.1	35.1	23.5	16.0	11.6	10.6	7.8	3.8	0.0	0.0	0.0	0.0	118.5
7	0.0	8.3	11.4	11.3	12.4	9.6	3.8	1.6	1.4	0.6	0.5	0.9	61.8
8	0.2	27.8	16.5	9.9	5.2	9.8	3.4	2.7	1.5	3.9	0.5	0.0	81.4
9	1.8	25.6	25.4	7.6	7.2	5.7	2.2	0.0	0.0	0.4	1.9	3.5	81.3
1960	5.0	22.1	13.7	5.2	6.0	5.9	1.4	0.9	0.9	3.0	0.0	1.0	65.1
1	2.5	30.1	22.2	7.2	6.1	6.0	1.5	0.8	1.4	1.1	0.0	0.0	78.9
2	2.3	17.6	12.4	4.5	6.4	3.6	2.3	0.6	0.6	0.0	0.0	0.6	50.9
3	1.4	14.5	9.2	8.6	5.9	4.0	0.8	0.7	1.8	1.2	0.0	0.5	48.6
4	0.0	12.8	22.2	6.9	6.6	8.3	4.3	3.5	1.6	0.9	0.9	3.0	71.0
5	8.0	31.3	24.6	6.5	7.8	0.6	1.1	1.1	0.2	1.6	1.4	0.0	84.2
6	1.3	9.4	6.9	5.0	5.4	6.2	1.0	1.0	1.3	0.9	0.0	2.3	40.7
7	2.3	23.6	25.5	5.5	4.7	3.8	1.3	(1.2)	(1.9)	(0.6)	(2.7)	(4.2)	77.3
8	0.9	18.4	17.9	8.5	9.3	5.7	1.4	0.9	0.0	(0.0)	(0.0)	(0.0)	63.0
9	5.9	23.9	10.9	6.9	5.2	5.6	3.5	3.0	5.0	3.7	0.9	0.4	74.9
1970	0.7	14.8	10.3	3.2	4.3	3.5	0.0	0.3	0.4	0.8	1.2	0.4	39.3

NOTE: Figures in brackets are correlative estimated.

TABLE F.9

MONTHLY AND ANNUAL NET HISTORIC LOCAL INFLOWS IN KILO ACRE-FEET
OKANAGAN RIVER BETWEEN OLIVER, B.C. AND OROVILLE, WASH.

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1944-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1944					0.6	-13.1	3.6	3.3	-6.1	-5.7	2.2	-0.4	-
5	1.1	15.0	8.5	-2.3	-2.3	0.8	5.0	4.7	6.5	7.0	6.6	2.2	52.8
6	4.9	12.4	8.2	2.6	-1.1	0.8	1.4	0.9	2.1	1.9	3.0	2.9	40.0
7	2.1	1.2	0.5	-2.5	1.1	0.6							-
8	3.4	-3.4	30.3	8.4	9.7	8.6	7.3	8.6	9.7				-
9													
1950													
1													
2		7.2	-2.2	-2.0	-2.2	-0.5	6.9	0.1	1.2	1.8	1.1	1.3	-
3	3.3	3.9	3.0	1.9	4.3	-1.5	0.7	-1.4	0.0	2.5	1.1	3.8	21.6
4	0.2	0.6	-3.1	-2.2	-2.1	-0.2	-0.2	-1.3	-0.4	0.7	1.3	-1.2	-7.9
5	-0.9	9.3	0.2	1.2	-1.0	1.5	0.1	-3.2	-1.7	4.2	-1.8	0.1	8.0
6	8.8	14.8	6.8	6.5	-1.6	3.1	-1.8	-1.9					-
7							4.1	0.5	2.6	3.1	4.5	4.7	-
8	17.7	14.1	-2.4	-1.9	-2.7	0.2	2.3	2.6	2.4	4.7	0.7	3.4	41.1
9	7.1	16.8	7.5	2.9	-0.6	5.2	1.3	4.6	9.1	8.5	6.3	2.1	70.8
1960	3.3	4.1	-4.1	-3.7	0.0	3.8	1.4	2.0	2.0	1.1	4.0	3.0	16.9
1	5.4	13.9	3.6	0.5	-0.6	-1.2	3.2	1.3	2.5	3.1	4.4	3.5	39.6
2	5.5	4.7	1.6	1.4	2.2	2.5	2.5	2.8	2.3	2.9	5.9	2.3	36.6
3	5.5	2.3	0.2	-0.2	-1.5	1.4	-0.1	2.5	2.8	2.6	1.0	0.8	17.3
4	1.0	0.1	-6.5	-3.9	1.1	2.3	-0.1	1.1	1.6	4.6	3.8	6.0	11.1
5	10.5	7.3	3.0	0.3	0.1	1.7	2.5	3.2	2.9	2.0	1.5	2.9	37.9
6	1.4	-0.9	-2.5	-1.2	-1.3	1.5	1.5	2.5	4.0	4.1	3.2	0.9	13.2
7	2.8	10.4	9.0	-1.5	-3.5	-1.3	1.3	0.9	2.3	2.3	3.0	2.1	27.8
8	2.0	3.6	4.1	-3.4	-1.0	-1.0	-1.1	1.3	4.2	1.5	4.4	2.9	17.5
9	6.7	11.8	-1.0	-4.8	-4.2	-1.0	-0.1	0.2	2.1	0.4	3.1	3.0	16.2
1970	1.9	-0.3	-3.2	-4.2	-3.5	-0.7	1.6	1.0	2.4	3.0	2.3	1.8	2.1

TABLE F.10

MONTHLY AND ANNUAL NET HISTORIC LOCAL BASIN INFLOWS IN KILO ACRE-FEET
OKANAGAN RIVER BETWEEN HYDROMETRIC STATION NEAR OLIVER, B.C. AND OROVILLE, WASH.
PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1944-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1944					6.4	-11.7	2.2	2.5	-6.9	-6.3	1.6	-0.9	--
5	0.5	18.1	14.4	3.4	3.6	2.2	3.6	3.9	5.7	6.4	6.0	1.7	69.5
6	4.3	15.5	14.1	8.3	4.8	2.2	0.0	0.1	1.3	1.3	2.4	2.4	56.7
7	1.5	4.3	6.4	3.3	7.0	2.0							--
8	2.8	-0.2	36.2	14.2	15.6	10.0	5.9	7.8	8.9				--
9													
1950													
1													
2		10.4	3.8	3.8	3.8	0.9	5.5	-0.7	0.4	1.2	0.5	0.8	--
3	2.7	7.1	9.0	7.7	10.3	-0.1	-0.7	-2.2	-0.8	1.9	0.5	3.3	38.7
4	-0.4	3.8	2.9	3.6	3.9	1.2	-1.6	-2.1	-1.2	0.1	0.7	-1.7	9.2
5	-1.5	12.5	6.2	7.0	5.0	2.9	-1.3	-4.0	-2.5	3.6	-2.4	-0.4	25.1
6	8.2	18.0	12.8	12.3	4.4	4.5	-3.2	-2.7					--
7							2.7	-0.3	1.8	2.5	3.9	4.2	--
8	17.1	17.3	3.6	4.0	3.3	1.6	0.9	1.8	1.6	4.1	0.1	2.9	58.3
9	6.5	20.0	13.6	8.8	5.5	6.6	-0.1	3.8	8.3	7.9	5.7	1.6	88.2
1960	2.7	7.4	2.1	2.3	6.2	5.2	-0.1	1.2	1.2	0.5	3.4	2.5	34.6
1	4.7	17.3	9.9	6.7	5.7	0.3	1.7	0.5	1.7	2.4	3.7	3.0	57.6
2	4.8	8.2	8.1	7.7	8.7	4.0	1.0	1.9	1.4	2.2	5.2	1.8	55.0
3	4.8	5.9	6.9	6.3	5.2	3.0	-1.7	1.6	1.9	1.9	0.3	0.3	36.4
4	0.3	3.8	0.5	2.9	8.1	3.9	-1.8	0.2	0.7	3.9	3.1	5.4	31.0
5	9.7	11.2	10.3	7.4	7.4	3.4	0.8	2.2	1.9	1.2	0.7	2.3	58.5
6	0.6	3.1	5.1	6.2	6.3	3.3	-0.3	1.5	3.0	3.3	2.4	0.3	34.8
7	2.0	14.6	16.8	6.1	4.3	0.5	-0.6	-0.1	1.3	1.5	2.2	1.5	50.1
8	1.2	7.9	12.2	4.4	7.1	0.9	-3.0	0.2	3.1	0.7	3.6	2.3	40.6
9	5.8	16.2	7.2	3.2	4.0	0.9	-2.0	-0.9	1.0	-0.5	2.2	2.4	39.5
1970	1.0	4.2	5.2	4.0	4.9	1.2	-0.4	-0.1	1.3	2.1	1.4	1.1	25.9

TABLE F.11

MONTHLY AND ANNUAL HISTORIC FLOWS (OUTFLOW, OKANAGAN LAKE) IN KILO ACRE-FEET

OKANAGAN RIVER AT PENTICTON, STATION NO. 8NM-50

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	10.1	51.9	123.8	83.6	22.1	12.0	11.7	10.7	21.8	31.7	30.8	40.3	450.5
2	33.9	39.7	36.3	16.0	12.9	11.3	15.2	21.9	30.4	33.0	27.2	30.0	307.8
3	27.5	33.8	42.2	52.9	40.6	29.2	35.0	29.3	29.9	28.9	31.9	30.1	411.3
4	22.1	17.7	9.2	7.4	6.8	7.1	6.5	5.7	4.0	3.1	3.4	16.8	109.8
5	38.3	49.9	20.2	12.9	11.7	9.8	8.7	3.2	3.3	3.3	3.7	16.4	181.4
6	15.4	8.1	8.4	7.5	3.9	3.9	3.2	2.9	2.5	2.5	2.2	30.2	90.7
7	21.1	23.9	5.7	5.8	9.3	9.4	36.5	38.9	45.5	52.6	46.0	43.7	338.4
8	43.4	82.4	139.8	127.3	84.9	61.3	53.8	45.3	9.5	1.8	2.2	3.1	654.8
9	5.5	27.6	15.9	10.9	13.8	5.7	3.3	1.1	0.2	0.1	0.2	0.1	84.4
1930	2.2	17.4	9.5	9.3	11.4	3.0	6.9	0.7	0.2	0.1	0.1	4.2	65.0
1	3.4	4.1	4.0	7.3	7.7	4.3	3.4	2.0	0.2	6.0	29.9	39.8	112.1
2	35.8	44.8	48.4	38.6	32.6	31.0	26.8	23.8	38.2	35.2	10.1	23.7	389.0
3	37.0	47.7	52.2	53.9	47.0	37.8	36.5	41.4	43.5	43.5	40.7	42.1	523.3
4	43.1	54.2	52.5	50.5	30.0	25.0	30.0	29.0	30.0	35.8	32.9	39.4	452.4
5	35.7	46.7	51.8	47.3	52.9	53.0	54.6	46.3	33.8	19.0	13.7	14.6	469.4
6	17.4	38.2	46.5	51.5	41.4	34.2	34.8	29.9	22.1	12.9	8.6	27.0	364.5
7	37.8	44.9	44.8	28.3	20.4	16.8	17.5	23.8	39.7	42.2	36.0	36.6	388.8
8	34.3	46.4	37.5	20.0	13.3	12.6	12.8	10.5	12.3	8.0	7.2	14.4	229.3
9	24.3	25.3	24.5	25.2	24.5	17.8	13.8	12.6	12.3	9.3	2.4	8.9	200.9
1940	9.0	7.1	14.1	12.2	11.3	10.9	11.1	10.8	11.2	15.5	13.9	26.1	153.2
1	19.2	8.3	12.1	16.2	21.5	24.6	29.3	36.1	46.4	47.7	30.2	12.6	304.2
2	11.4	11.1	56.8	75.0	54.6	57.4	53.9	53.0	39.0	33.6	22.1	33.8	501.7
3	40.7	40.6	23.9	20.4	14.7	12.5	9.7	9.0	8.9	8.1	7.2	7.3	203.0
4	4.7	12.4	35.8	24.1	11.7	10.1	9.8	14.8	36.5	28.5	22.3	36.2	246.9
5	35.8	46.8	45.5	40.1	32.2	18.9	29.0	37.0	49.2	34.1	30.2	46.1	444.9
6	43.0	59.7	58.0	60.1	56.6	52.2	53.9	42.4	39.0	26.7	11.1	7.4	510.1
7	10.8	16.9	15.5	14.6	23.7	20.6	14.7	17.7	28.0	38.9	12.6	9.0	223.0
8	26.8	33.3	61.9	82.4	83.6	85.1	75.6	79.7	71.9	59.1	48.3	47.1	754.8
9	44.9	60.0	40.5	35.6	37.3	35.0	31.3	23.1	22.9	22.3	31.2	48.0	432.1
1950	44.0	53.3	51.2	43.9	37.3	29.9	30.9	31.6	37.8	39.4	39.2	47.8	486.3
1	47.5	52.7	69.6	75.0	52.9	44.2	45.9	45.4	46.4	39.8	40.0	30.9	590.3
2	43.4	53.2	50.0	49.3	45.9	44.2	33.0	14.0	10.5	9.2	9.1	9.5	371.3
3	12.0	19.4	25.7	40.6	44.0	33.7	34.2	33.6	35.1	37.2	41.5	40.3	397.3
4	18.1	24.2	53.0	65.8	63.9	50.7	44.1	48.8	50.5	44.8	39.7	42.7	546.3
5	30.9	33.7	49.4	61.5	61.3	57.5	28.7	17.8	18.8	27.8	34.7	38.8	460.9
6	46.4	61.3	79.1	86.1	48.9	34.0	29.9	26.1	30.4	30.9	26.7	25.5	525.3
7	24.4	35.6	46.8	44.5	42.1	44.7	39.4	31.2	31.2	31.4	28.2	30.0	429.5
8	50.1	28.1	32.3	36.1	36.6	33.7	25.1	20.6	24.5	26.4	36.8	49.3	399.6
9	43.9	65.8	92.2	59.6	39.8	33.8	30.0	61.9	68.9	54.7	31.6	23.1	605.3
1960	20.0	18.2	19.5	34.3	36.0	34.2	33.6	29.0	29.0	26.1	17.6	16.5	314.0
1	18.1	23.7	42.6	38.7	38.0	38.0	26.6	19.0	16.2	13.2	12.1	29.2	315.4
2	40.1	29.6	19.5	28.0	26.8	26.8	16.4	16.5	17.8	15.8	12.0	8.9	258.2
3	7.5	8.5	7.1	13.2	19.5	20.0	15.0	14.2	10.2	10.2	21.5	28.8	175.7
4	30.3	36.6	47.3	52.7	44.5	41.7	30.9	21.4	18.3	18.0	31.8	47.8	421.3
5	48.7	70.1	70.2	41.8	32.8	36.5	29.6	14.6	19.7	15.2	14.1	19.2	412.5
6	21.1	22.5	23.3	23.6	24.0	23.0	12.4	10.1	10.4	10.3	9.5	43.2	233.4
7	46.5	41.8	40.8	26.7	24.8	17.3	11.3	6.1	6.7	6.2	5.2	4.9	238.3
8	7.6	9.2	67.2	29.8	34.5	27.2	36.4	29.3	23.0	43.9	33.3	56.6	398.0
9	45.6	61.2	37.8	36.5	36.2	33.3	32.2	21.7	16.4	14.1	12.7	12.9	360.6
1970	22.6	37.8	13.2	22.7	22.8	19.1	7.9	5.8	5.0	3.8	2.2	9.2	172.1

TABLE F.12

MONTHLY AND ANNUAL HISTORIC FLOWS (OUTFLOWS, SKAHA LAKE) IN KILO ACRE-FEET

OKANAGAN RIVER AT OKANAGAN FALLS, STATION NO. 8NM-2

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	11.5	58.7	140.4	94.7	25.0	13.6	12.3	11.3	21.5	32.0	27.8	40.0	488.8
2	35.7	47.3	44.6	16.0	13.2	10.1	15.4	22.6	30.7	33.2	27.8	31.1	327.7
3	28.9	44.6	61.9	55.3	41.8	28.3	30.7	28.8	25.1	26.4	30.0	29.0	430.8
4	20.8	23.7	10.1	7.7	6.7	7.3	6.4	5.4	4.5	3.8	3.7	13.7	113.8
5	37.4	58.4	28.3	13.0	11.6	9.8	9.5	7.4	8.5	10.5	20.0	38.6	253.0
6	23.3	16.1	10.5	7.8	5.7	4.0	3.0	2.9	3.0	2.6	13.9	34.6	127.4
7	29.9	36.3	17.3	6.0	8.6	20.9	45.1	48.8	59.5	69.5	62.1	67.0	471.0
8	66.6	119.3	153.5	142.7	99.0	64.3	59.7	50.6	15.9	2.8	1.8	1.8	778.0
9	2.1	29.1	20.6	8.2	8.4	4.3	2.1	1.5	0.6	0.5	0.4	0.6	78.4
1930	3.4	17.8	12.4	6.7	6.1	3.6	3.5	2.9	0.6	0.4	0.3	1.7	59.4
1	3.0	5.3	3.9	5.7	5.4	3.6	3.0	4.0	0.6	2.3	20.5	39.3	96.6
2	40.3	54.3	50.3	38.4	29.5	27.3	25.2	22.4	39.4	38.4	14.8	23.7	404.0
3	44.7	66.4	70.2	58.7	45.9	33.3	34.6	39.3	43.4	44.2	41.3	44.5	566.5
4	56.3	57.4	48.7	44.6	25.9	20.4	26.7	30.0	29.6	34.9	34.4	40.6	449.5
5	39.0	57.6	56.9	53.2	49.7	47.5	49.6	47.1	34.9	23.0	14.4	15.1	488.0
6	22.4	48.6	52.1	50.4	39.8	32.2	34.1	30.6	24.6	14.3	8.9	23.3	381.3
7	37.7	48.3	54.4	31.3	19.1	16.2	17.2	22.9	36.8	41.0	35.2	36.8	396.9
8	38.2	62.7	44.7	19.6	10.9	11.7	11.8	10.5	13.6	8.9	7.0	11.6	251.2
9	25.5	31.5	27.6	24.0	22.9	17.2	14.3	12.4	13.2	9.6	3.7	8.9	210.8
1940	10.2	12.3	13.2	11.3	9.5	9.7	10.3	10.7	13.3	14.1	13.7	27.5	155.8
1	24.7	12.9	18.4	15.5	19.8	25.2	32.7	36.5	46.5	48.0	36.5	13.2	329.9
2	20.6	28.8	63.7	76.9	65.8	57.2	52.8	53.0	43.3	35.9	22.7	32.6	553.3
3	43.3	45.0	32.5	21.7	13.8	11.3	10.1	9.6	9.1	8.5	8.2	7.8	220.9
4	7.2	13.3	43.7	26.1	10.8	8.7	10.1	13.4	35.7	32.4	24.8	35.5	261.7
5	37.4	61.5	61.3	41.4	32.2	17.9	28.7	34.9	48.9	37.6	29.9	47.2	478.9
6	48.0	76.2	70.2	61.5	56.4	53.0	55.5	44.3	43.7	30.7	15.1	8.4	563.0
7	10.6	20.0	17.0	12.5	19.9	19.9	15.9	16.3	25.9	38.4	18.8	10.3	225.5
8	25.9	55.6	81.5	83.0	86.1	82.7	76.9	84.5	75.0	63.9	18.1	51.9	785.1
9	50.9	71.3	43.7	35.4	34.7	33.6	32.1	24.2	23.9	22.7	26.4	51.3	450.2
1950	46.7	60.4	69.6	44.8	37.8	28.4	30.6	32.4	39.7	42.2	40.0	51.4	524.0
1	53.1	75.6	73.8	72.6	53.2	42.3	47.0	46.8	48.6	42.2	46.0	34.4	635.6
2	48.5	78.1	56.7	51.2	44.8	44.2	36.8	14.0	10.6	10.5	10.1	11.8	417.3
3	12.0	32.8	28.7	42.1	41.8	35.8	34.5	34.4	37.3	31.2	47.0	39.2	416.8
4	23.7	31.9	42.5	66.4	63.3	49.0	39.7	45.9	47.5	42.4	37.8	40.8	530.9
5	38.3	38.4	55.8	54.3	51.3	50.3	28.7	17.7	17.3	29.2	33.1	41.8	456.2
6	48.1	69.5	77.9	80.5	42.5	29.8	26.9	24.2	33.3	32.3	27.0	28.2	520.2
7	26.7	47.3	44.0	45.1	39.7	40.4	38.2	31.7	32.1	31.7	28.6	31.1	436.6
8	51.9	40.8	34.8	33.7	33.9	30.1	21.5	21.2	25.8	27.8	37.2	49.7	408.4
9	49.1	84.9	101.2	61.4	38.2	32.8	30.2	64.9	70.7	55.5	35.2	21.9	646.0
1960	25.2	26.4	24.8	33.3	35.2	33.2	32.7	30.2	30.6	26.9	17.0	21.6	337.1
1	20.9	33.4	50.8	36.3	37.0	36.4	25.6	20.2	18.0	15.7	16.7	30.6	341.6
2	47.3	35.0	29.3	26.4	25.1	28.3	17.5	17.8	19.2	16.4	14.1	10.4	286.8
3	9.2	11.6	15.0	15.6	16.8	16.9	16.2	12.8	9.9	10.7	25.9	26.6	187.2
4	32.0	41.0	63.1	51.3	43.1	41.8	32.9	21.6	20.0	19.6	32.5	47.3	446.2
5	50.2	78.1	79.7	41.1	29.6	35.0	28.7	18.9	17.0	19.7	15.1	19.1	432.2
6	24.6	24.3	23.6	24.4	21.6	21.2	10.8	10.2	11.0	13.3	16.2	42.4	243.6
7	44.2	48.1	54.0	24.8	24.5	16.5	11.0	-	-	-	-	-	-
8	8.4	17.2	72.6	31.6	28.8	27.6	35.6	32.6	25.1	44.1	37.4	57.2	418.2
9	51.3	84.9	40.6	37.3	34.8	34.2	31.7	22.9	19.8	15.1	14.3	17.9	404.8
1970	24.2	38.8	16.1	21.6	21.7	18.9	9.7	6.6	6.1	5.0	3.8	8.7	181.2

TABLE F.13

MONTHLY AND ANNUAL HISTORIC FLOWS IN KILO ACRE-FEET

OKANAGAN RIVER NEAR OLIVER, STATION NO. 8NM-85

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1944-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1944					6.4	5.8	10.1	14.3	36.2	36.0	26.2	36.3	–
5	39.6	82.4	73.8	38.8	27.9	15.9	27.4	36.1	50.8	40.0	30.0	47.6	510.3
6	54.2	96.5	78.5	59.3	51.1	49.9	55.0	47.3	44.1	32.6	17.4	9.8	595.7
7	13.9	23.6	18.6	10.5	14.6	17.8							–
8	27.7	74.4	91.6	82.4	82.4	78.5	78.1	83.9	74.4				–
9													
1950													
1													
2		102.1	61.9	51.3	41.0	43.0	40.1	18.7	14.4	13.6	12.6	13.5	–
3	13.6	52.2	42.8	40.0	41.3	37.1	35.0	37.5	40.0	36.2	48.5	44.1	468.3
4	28.3	50.5	57.2	67.6	59.8	51.9	43.8	51.7	52.1	49.1	41.4	43.5	596.9
5	39.7	44.8	71.4	56.6	48.1	49.0	29.8	24.3	22.6	29.6	37.4	44.5	497.8
6	58.6	95.3	91.0	84.2	41.8	30.7	31.2	28.3					–
7							38.6	33.6	33.8	32.6	29.4	32.2	–
8	52.4	58.4	39.7	31.2	29.6	31.4	25.5	24.2	27.6	32.0	37.9	49.9	439.8
9	50.2	102.1	116.0	57.5	32.9	29.9	33.0	62.5	68.3	56.2	37.5	25.6	671.7
1960	28.4	39.1	27.9	25.9	28.6	30.5	34.7	31.4	31.7	30.2	16.8	22.8	348.0
1	21.7	54.1	61.3	30.9	30.4	33.9	27.7	21.4	19.9	17.2	16.0	30.1	364.6
2	47.1	43.3	30.0	18.4	19.0	23.3	20.0	18.8	20.3	16.4	11.3	11.2	279.1
3	10.9	20.7	13.6	12.9	11.5	14.5	17.6	13.9	12.1	12.2	25.7	27.3	192.9
4	32.1	45.4	74.4	46.9	38.1	41.8	37.9	25.5	22.0	20.7	33.7	50.5	469.0
5	56.9	99.6	92.2	35.0	24.7	30.8	30.5	20.5	17.6	21.6	16.8	19.1	465.3
6	24.0	25.1	20.2	18.8	15.7	19.2	12.5	11.6	12.7	14.6	16.0	44.8	235.2
7	45.5	63.3	69.6	19.9	18.7	13.3	13.0	8.2	6.9	9.7	8.5	7.6	284.2
8	8.4	28.7	81.5	29.8	28.0	26.4	37.7	33.9	25.1	43.2	37.4	56.6	436.7
9	55.6	101.5	42.2	34.3	29.9	33.0	36.0	26.3	23.2	19.1	15.5	18.4	435.0
1970	23.2	46.4	17.8	15.5	16.6	17.2	9.8	7.3	7.0	6.6	4.8	9.1	181.3

TABLE F.14

MONTHLY AND ANNUAL HISTORIC FLOWS IN KILO ACRE-FEET

OKANAGAN RIVER AT OROVILLE, WASH., HYDROMETRIC STATION NO. 8NM-127

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1943-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1943	54.6	62.7	47.7	23.4	9.6	8.3	12.4	13.3	11.9	11.3	13.2	8.0	276.4
4	11.0	19.9	54.2	30.1	10.3	4.9	11.6	15.4	26.8	32.6	27.8	33.4	278.0
5	39.3	90.7	89.3	41.1	27.6	17.2	29.0	38.6	56.6	50.5	35.6	48.1	563.6
6	55.0	105.2	90.9	66.0	50.7	49.7	55.5	49.7	46.9	37.6	22.9	14.9	645.0
7	10.4	28.1	20.0	7.7	11.9	18.5	22.9	21.8	28.6	38.4	24.1	16.8	249.2
8	28.3	42.6	146.0	92.8	89.5	88.2	87.9	92.3	86.3	73.2	63.3	63.9	954.3
9	55.3	82.3	45.4	27.8	28.6	32.1	33.7	32.3	28.8	24.8	33.9	54.4	479.4
1950	52.2	73.8	93.1	46.0	35.2	25.2	34.4	36.1	41.4	47.3	48.3	54.0	587.0
1	70.2	118.7	82.5	73.4	53.4	48.0	52.6	51.9	45.8	45.3	52.7	46.1	740.6
2	61.6	111.8	60.9	52.0	38.9	41.7	43.8	20.3	17.2	14.2	15.7	13.1	491.2
3	15.2	53.5	46.9	37.7	33.6	38.3	35.2	36.6	40.7	38.6	48.3	46.1	470.7
4	31.3	44.6	53.9	65.9	54.1	54.7	45.9	48.3	53.7	51.0	43.3	40.8	587.5
5	38.7	49.3	72.1	56.4	48.2	49.2	32.3	23.4	20.8	31.4	32.5	49.2	503.5
6	62.2	101.0	105.8	93.6	43.3	27.1	30.4	28.3	34.2	34.5	27.3	29.2	616.9
7	29.9	73.5	49.3	38.5	28.5	39.1	47.3	34.0	37.9	36.0	30.9	35.5	480.4
8	64.4	79.3	40.6	28.7	26.3	31.0	30.1	27.3	29.0	37.4	35.1	52.2	481.4
9	54.1	108.7	126.3	72.4	33.3	34.3	34.1	62.3	78.8	68.5	48.5	20.5	741.8
1960	31.4	42.1	28.4	21.6	27.6	33.8	36.6	33.7	34.3	32.7	23.2	23.4	368.8
1	26.5	56.5	75.5	31.7	29.3	31.7	33.8	23.4	24.0	21.5	20.5	27.9	402.3
2	49.0	50.8	35.6	20.6	21.0	23.1	25.7	21.0	23.2	22.4	16.7	12.4	321.5
3	14.7	21.5	15.6	13.8	9.2	14.5	18.6	17.4	15.2	14.4	24.3	29.1	208.3
4	33.2	40.3	69.4	44.2	39.5	44.6	39.4	27.1	26.8	23.4	35.8	54.0	477.7
5	64.1	103.0	101.9	39.0	23.7	31.7	34.0	25.3	18.9	26.7	20.7	17.6	506.6
6	26.2	23.9	17.3	17.2	14.6	19.9	15.9	13.2	18.3	22.9	16.7	40.9	247.0
7	46.8	69.5	83.8	19.2	14.9	12.7	15.4	10.7	9.2	10.0	12.1	11.4	315.7
8	6.8	30.3	82.7	29.5	26.8	25.6	35.8	38.4	22.2	48.8	43.4	57.4	447.7
9	61.8	108.4	49.0	29.4	26.0	30.5	37.8	27.0	26.1	25.6	14.6	21.5	457.7
1970	22.6	45.9	14.5	11.4	13.3	15.8	13.0	8.8	9.2	10.3	7.8	8.3	180.9

TABLE F.15

1st OF THE MONTH HISTORIC ELEVATION IN FEET (DATUM: P.W.C.)

OKANAGAN LAKE AT PENTICTON, STATION NO. 8NM-071

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.
1921	100.80	101.00	102.90	103.10	102.15	101.70	101.30	101.10	101.00	100.80	100.55	100.10
2	99.80	99.70	101.00	102.00	101.65	101.35	101.20	101.05	100.75	100.45	100.15	99.80
3	99.75	100.00	101.60	103.15	102.70	102.10	101.50	101.05	100.65	100.45	99.90	99.70
4	99.55	99.45	100.75	100.95	100.60	100.30	99.90	99.80	99.80	99.80	99.85	99.95
5	99.85	100.10	101.60	102.05	101.75	101.25	100.80	100.60	100.40	100.45	100.60	100.25
6	99.95	100.40	101.30	101.20	100.90	100.55	100.25	100.25	100.25	100.20	100.30	100.00
7	99.60	99.50	100.40	101.75	101.65	101.40	101.65	101.95	101.80	101.60	101.15	100.70
8	100.50	100.90	104.40	104.25	103.35	102.10	101.15	100.45	100.30	99.95	99.95	99.85
9	100.00	100.10	100.30	100.80	100.45	100.35	100.00	99.85	99.70	99.60	99.60	99.65
1930	99.75	100.30	100.65	101.10	100.85	100.60	100.40	100.10	100.10	99.90	99.95	99.90
1	99.95	100.15	101.00	101.20	101.10	100.65	100.40	100.20	100.20	100.25	100.10	99.75
2	99.65	99.95	101.65	102.25	101.70	101.25	100.75	100.35	100.35	99.90	99.55	99.50
3	99.40	99.45	101.00	102.35	101.95	101.20	100.84	100.69	100.39	100.29	100.09	99.74
4	99.69	101.74	102.59	102.14	101.49	101.04	100.64	100.24	100.19	100.04	99.79	99.59
5	99.49	99.39	101.14	101.99	102.44	101.99	101.34	100.64	100.14	99.84	99.94	99.74
6	99.74	100.54	102.29	102.74	102.19	101.49	100.94	100.44	99.84	99.79	99.59	99.69
7	99.55	99.45	100.70	101.90	101.60	101.10	100.80	100.60	100.60	100.25	99.85	99.55
8	99.35	99.65	101.30	101.50	101.15	100.75	100.55	100.30	100.05	100.00	100.05	99.90
9	99.90	100.15	101.30	101.65	101.30	100.65	100.25	99.90	99.75	99.75	99.65	99.65
1940	99.85	100.35	101.70	101.80	101.45	100.95	100.70	100.45	100.25	100.15	100.15	100.00
1	99.85	100.50	101.30	101.80	101.65	101.25	101.20	101.25	101.05	100.80	100.20	100.00
2	99.90	100.65	103.00	104.10	103.70	102.70	101.80	101.00	100.35	100.10	99.70	99.60
3	99.25	99.40	100.25	101.10	100.85	100.45	100.00	99.95	99.75	99.55	99.49	99.59
4	99.46	99.71	100.72	101.41	101.08	100.77	100.62	100.59	100.58	100.21	100.04	99.96
5	99.62	99.40	101.71	102.61	102.03	101.39	101.00	100.88	100.49	100.09	99.90	99.64
6	99.30	99.77	102.85	103.88	103.18	102.38	101.55	100.78	100.39	99.90	99.61	99.61
7	99.76	100.17	101.03	100.42	101.17	100.72	100.38	100.31	100.22	99.90	99.52	99.43
8	99.37	99.61	103.25	104.77	104.14	103.84	102.95	102.30	101.31	100.55	99.82	99.48
9	99.22	99.78	101.97	101.99	101.68	101.25	100.69	100.24	100.04	100.12	99.73	99.49
1950	99.19	99.03	100.55	102.29	101.87	101.47	100.87	100.61	100.37	100.14	99.84	99.57
1	99.28	99.79	102.94	103.24	102.58	101.67	101.15	100.77	100.30	99.95	99.46	99.23
2	99.05	99.69	102.05	102.31	101.91	101.15	100.48	100.01	99.74	99.66	99.85	99.89
3	99.85	99.97	101.36	102.49	102.12	101.70	101.06	100.69	100.45	100.19	99.85	99.52
4	99.20	99.11	101.40	102.48	102.41	101.86	101.55	101.14	100.94	100.49	100.09	99.74
5	99.42	99.33	100.15	101.91	101.89	101.01	100.27	100.05	99.87	99.92	99.82	99.45
6	99.32	99.76	102.22	102.78	101.90	101.25	100.72	100.38	100.08	99.87	99.55	99.39
7	99.29	99.39	102.19	102.25	101.67	101.32	100.72	100.23	99.91	99.64	99.56	99.53
8	99.47	99.41	101.63	101.85	101.33	100.51	99.97	99.80	99.63	99.57	99.50	99.17
9	98.85	98.84	101.13	102.24	101.66	100.96	100.93	100.91	100.42	99.83	99.36	99.24
1960	99.11	99.62	101.24	102.09	101.57	100.88	100.43	99.95	99.69	99.34	99.11	99.04
1	99.01	99.11	101.26	101.75	101.27	100.57	99.65	99.22	98.87	98.86	98.77	98.80
2	98.54	98.62	99.61	100.38	100.11	99.71	99.17	99.14	98.99	98.78	98.62	98.54
3	98.67	98.92	100.00	100.39	100.43	100.16	99.90	99.55	99.47	99.46	99.47	99.24
4	99.06	98.87	99.94	101.75	101.49	101.09	100.77	100.68	100.69	100.44	100.61	100.38
5	99.95	100.23	101.44	101.76	101.24	100.38	100.36	100.07	99.87	99.74	99.67	99.58
6	99.44	99.61	100.55	100.82	100.73	100.26	99.89	99.56	99.51	99.54	99.54	99.43
7	99.00	98.62	99.77	101.09	100.54	99.80	99.34	99.16	99.01	99.06	98.93	99.07
8	99.31	99.32	101.26	102.27	101.92	101.52	101.25	100.80	100.57	100.45	100.08	99.82
9	99.34	99.85	101.99	102.11	101.61	100.86	100.50	100.15	99.98	99.96	99.91	99.96
1970	99.95	99.73	100.36	100.71	101.27	99.74	99.23	99.05	98.88	98.84	98.80	98.98

TABLE F.16

MONTHLY HISTORIC ELEVATION IN FEET (DATUM: P.W.C.)

OKANAGAN LAKE AT PENTICTON STATION NO. 8NM-071

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.
1921	100.90	101.95	103.00	102.62	101.92	101.50	101.20	101.05	100.90	100.67	100.32	99.95
2	99.75	100.35	101.50	101.82	101.50	101.28	101.12	100.90	100.60	100.30	99.98	99.78
3	99.88	100.80	102.38	102.92	102.40	101.80	101.28	100.85	100.55	100.18	99.80	99.62
4	99.50	100.10	100.85	100.78	100.45	100.10	99.85	99.80	99.80	99.82	99.90	99.90
5	99.98	100.85	101.82	101.90	101.50	101.02	100.70	100.50	100.42	100.52	100.42	100.10
6	100.18	100.85	101.25	101.05	100.72	100.40	100.25	100.25	100.22	100.25	100.15	99.80
7	99.55	99.95	101.08	101.70	101.52	101.52	101.80	101.88	101.70	101.38	100.92	100.60
8	100.70	102.65	104.32	103.80	102.72	101.62	100.80	100.38	100.12	99.95	99.70	99.92
9	100.05	100.20	100.55	100.62	100.40	100.18	99.92	99.78	99.65	99.60	99.62	99.70
1930	100.02	100.48	100.82	100.98	100.72	100.50	100.25	100.10	100.00	99.92	99.92	99.92
1	100.05	100.58	101.10	101.15	100.88	100.52	100.30	100.20	100.22	100.18	99.92	99.70
2	99.80	100.80	101.95	101.98	101.48	101.00	100.55	100.35	100.12	99.72	99.52	99.45
3	99.42	100.22	101.68	102.15	101.58	101.02	100.72	100.54	100.34	100.19	99.96	99.72
4	100.72	102.16	102.36	101.82	101.26	100.84	100.44	100.22	100.12	99.92	99.69	99.54
5	99.44	100.26	101.56	102.22	102.22	101.66	100.99	100.39	99.99	99.89	99.84	99.74
6	100.14	101.42	102.52	102.46	101.84	101.22	100.69	100.14	99.82	99.69	99.64	99.62
7	99.50	100.08	101.30	101.75	100.85	100.95	100.70	100.60	100.42	100.05	99.70	99.45
8	99.50	100.48	101.40	101.32	100.95	100.65	100.42	100.18	100.02	100.02	99.98	99.90
9	100.02	100.72	101.48	101.48	100.92	100.45	100.08	99.82	99.75	99.70	99.65	99.75
1940	100.10	101.02	101.75	101.62	101.20	100.82	100.58	100.35	100.20	100.15	100.08	99.92
1	100.18	100.90	101.55	101.72	101.45	101.22	101.22	101.15	100.92	100.50	100.10	99.95
2	100.28	101.82	103.52	103.90	103.20	102.25	101.40	100.68	100.22	99.90	99.65	99.42
3	99.32	99.82	100.68	100.98	100.65	100.22	99.98	99.85	99.65	99.52	99.54	99.52
4	99.58	100.22	101.06	101.24	100.92	100.69	100.60	100.58	100.40	100.12	100.00	99.79
5	99.51	100.56	102.16	102.32	101.71	101.20	100.94	100.68	100.29	100.00	99.77	99.47
6	99.54	101.31	103.36	103.53	102.78	101.96	101.16	100.58	100.14	99.76	99.61	99.68
7	99.96	100.60	100.72	100.80	100.94	100.55	100.34	100.26	100.06	99.71	99.48	99.40
8	99.49	101.43	104.01	104.46	103.99	103.40	102.62	101.80	100.93	100.18	99.65	99.35
9	99.50	100.88	101.98	101.84	101.46	100.97	100.46	100.14	100.08	99.92	99.61	99.34
1950	99.11	99.79	101.42	102.08	101.67	101.17	100.74	100.49	100.26	99.99	99.70	99.42
1	99.54	101.36	103.09	102.91	102.12	101.41	100.96	100.54	100.12	99.70	99.34	99.14
2	99.37	100.82	102.18	102.11	101.53	100.82	100.24	99.88	99.70	99.76	99.87	99.87
3	99.91	100.66	101.92	102.30	101.91	101.38	100.88	100.57	100.32	100.02	99.68	99.36
4	99.16	100.26	101.94	102.44	102.14	101.70	101.34	101.04	100.72	100.29	99.92	99.58
5	99.38	99.74	101.03	101.90	101.45	100.64	100.16	99.96	99.90	99.87	99.64	99.38
6	99.54	100.99	102.50	102.34	101.58	100.98	100.55	100.23	99.98	99.71	99.47	99.34
7	99.34	100.79	102.22	101.96	101.50	101.02	100.48	100.07	99.78	99.60	99.54	99.50
8	99.44	100.52	101.74	101.59	101.92	100.24	99.88	99.72	99.60	99.54	99.34	99.01
9	98.84	99.98	101.68	101.95	101.31	100.94	100.92	100.66	100.12	99.60	99.30	99.18
1960	99.36	100.43	101.66	101.83	101.22	100.66	100.19	99.82	99.52	99.22	99.08	99.02
1	99.06	100.18	101.50	101.51	100.92	100.11	99.44	99.04	98.86	98.82	98.78	98.67
2	98.58	99.12	99.99	100.24	99.91	99.44	99.16	99.06	98.88	98.70	98.58	98.60
3	98.80	99.46	100.20	100.41	100.30	100.03	99.72	99.51	99.46	99.46	99.36	99.15
4	98.96	99.40	100.84	101.62	101.29	100.93	100.72	100.68	100.56	100.52	100.50	100.16
5	100.09	100.84	101.60	101.50	101.06	100.62	100.22	99.97	99.80	99.70	99.62	99.51
6	99.52	100.08	100.68	100.78	100.50	100.08	99.72	99.54	99.52	99.54	99.48	99.22
7	98.81	99.20	100.43	100.82	100.17	99.57	99.25	99.08	99.04	99.00	99.00	99.19
8	99.32	100.29	101.76	102.10	101.72	101.38	101.02	100.68	100.51	100.26	99.95	99.58
9	99.60	100.92	102.05	101.86	101.24	100.68	100.32	100.06	99.97	99.94	99.94	99.96
1970	99.84	100.04	100.54	100.99	100.50	99.48	99.14	98.96	98.86	98.82	98.89	99.02

NOTE: Average of 1st of the month and 1st of the next month elevations

TABLE F.17

1st OF THE MONTH HISTORIC ELEVATION IN FEET (DATUM G.S.C. 1961)

SKAHA LAKE AT OKANAGAN FALLS, STATION NO. 8NM-84

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1943-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.
1943		7.78	7.59	7.07	6.82	6.71	6.70	6.58	6.60	6.54	6.62	6.56
4	6.52	6.37	7.66	7.48	6.80	6.57	6.61	6.61	7.10	7.43	7.04	7.05
5	7.42	7.48	8.42	7.78	7.49	6.97	6.98	7.18	7.71	7.78	7.18	7.56
6	7.68	8.08	8.73	8.31	8.03	7.90	7.92	7.93	7.57	7.38	7.04	6.46
7	6.55	6.84	6.81	6.79	7.16	7.34	7.08	6.73	7.04	7.38	7.78	6.94
8	6.85	7.94	8.73	8.71	9.07	9.11	10.99	10.61	10.49	9.08	9.22	9.11
9	9.80	9.93	9.89	9.38	9.38	9.41	9.41	9.14	9.05	9.12	9.01	9.77
1950	9.79	9.94	10.68	10.07	9.94	9.57	9.53	9.60	9.72	9.83	9.96	10.10
1	10.04	10.37	10.48	10.64	10.44	9.92	9.89	9.92	10.00	10.00	10.07	10.07
2	9.54	10.55	10.33	10.19	9.98	9.96	9.97	9.94	8.94	8.91	8.97	8.94
3	8.96	9.42	9.08	10.07	9.70	9.78	9.01	9.33	9.31	9.25	9.67	9.05
4	8.70	7.68	7.63	9.67	9.46	9.41	9.29	9.53	9.43	9.46	9.23	9.23
5	9.17	7.72	7.85	8.73	9.30	9.45	9.33	9.25	9.11	9.42	9.38	8.99
6	8.04	7.90	8.98	9.27	9.31	9.53	9.48	9.35	9.32	8.77	8.18	8.01
7	7.47	7.74	8.77	9.40	8.95	8.75	8.75	8.98	8.76	8.71	8.55	8.57
8	8.43	8.60	8.38	8.35	8.53	8.51	8.41	8.89	8.38	8.13	7.95	7.82
9	7.88	7.83	8.21	9.16	9.41	9.46	9.42	9.40	9.09	8.67	8.64	8.32
1960	8.76	8.05	8.83	8.96	8.89	8.98	8.96	8.75	8.68	8.58	8.65	9.09
1	8.49	8.26	9.20	8.75	8.86	8.76	8.75	8.97	8.80	8.78	8.55	8.04
2	8.43	8.30	8.96	8.35	8.86	8.79	8.44	8.65	8.68	8.51	8.30	8.22
3	8.25	8.39	9.21	8.49	8.54	8.36	8.65	8.34	8.64	8.83	8.89	8.29
4	8.94	8.84	9.29	8.80	8.71	8.76	8.92	8.63	8.84	8.52	8.60	8.61
5	8.60	8.67	9.11	8.45	8.59	8.66	8.77	8.82	8.06	8.85	8.24	8.42
6	8.78	8.39	8.54	8.52	8.30	8.30	8.47	8.62	8.74	8.81	8.49	8.44
7	8.25	8.39	8.75	8.25	8.53	8.33	8.33	8.44	8.54	9.09	8.89	8.67
8	8.68	8.50	8.53	8.48	7.70	8.49	8.50	8.63	8.57	8.46	8.89	8.57
9	8.63	8.64	7.70	8.73	8.61	8.66	8.51	8.63	8.69	8.47	8.58	8.56
1970	7.86	7.82	8.36	8.45	8.53	8.53	8.62	8.45	8.37	8.61	8.72	8.67

NOTE: Add 1100.00 feet to obtain elevation according to Datum.

TABLE F.18

MONTHLY HISTORIC ELEVATION IN FEET (DATUM: G.S.C. 1961)
SKAHA LAKE AT OKANAGAN FALLS, STATION NO. 8NM-84
PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1943-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.
1943		7.68	7.33	6.94	6.76	6.70	6.64	6.59	6.57	6.58	6.59	6.54
4	6.44	7.02	7.57	7.14	6.68	6.59	6.61	6.86	7.26	7.24	7.04	7.24
5	7.45	7.95	8.10	7.64	7.23	6.98	7.08	7.44	7.74	7.48	7.37	7.62
6	7.80	8.40	8.52	8.17	7.96	7.91	7.92	7.75	7.48	7.21	6.75	6.50
7	6.70	6.82	6.80	6.98	7.25	7.21	6.90	6.88	7.21	7.58	7.36	6.90
8	7.40	8.34	8.72	8.89	9.09	10.05	10.80	10.55	9.78	9.15	9.16	9.46
9	9.86	9.91	9.64	9.38	9.40	9.41	9.28	9.10	9.08	9.06	9.39	9.78
1950	9.86	10.31	10.38	10.00	9.76	9.55	9.56	9.66	9.78	9.90	10.03	10.07
1	10.20	10.42	10.56	10.54	10.18	9.90	9.90	9.96	10.00	10.04	10.07	9.80
2	10.04	10.44	10.26	10.08	9.97	9.96	9.96	9.44	8.92	8.94	8.96	8.95
3	9.19	9.25	9.58	9.88	9.74	9.40	9.17	9.32	9.28	9.46	9.36	8.88
4	8.19	7.66	8.65	9.56	9.44	9.35	9.41	9.48	9.44	9.34	9.23	9.20
5	8.44	7.78	8.29	9.02	9.38	9.39	9.29	9.18	9.26	9.40	9.18	8.51
6	7.97	8.44	9.12	9.29	9.42	9.50	9.42	9.34	9.04	8.48	8.10	7.74
7	7.60	8.26	9.08	9.18	8.85	8.75	8.86	8.87	8.74	8.63	8.56	8.50
8	8.52	8.49	8.36	8.44	8.52	8.46	8.65	8.64	8.26	8.04	7.88	7.85
9	7.86	8.02	8.68	9.28	9.44	9.44	9.41	9.24	8.88	8.66	8.48	8.54
1960	8.40	8.44	8.90	8.92	8.94	8.97	8.86	8.72	8.63	8.62	8.87	8.79
1	8.38	8.73	8.98	8.80	8.81	8.76	8.86	8.88	8.79	8.66	8.30	8.24
2	8.36	8.63	8.66	8.60	8.82	8.62	8.54	8.66	8.60	8.40	8.26	8.24
3	8.32	8.80	8.85	8.52	8.45	8.50	8.50	8.49	8.74	8.86	8.59	8.62
4	8.89	9.06	9.04	8.76	8.74	8.84	8.78	8.74	8.68	8.56	8.60	8.60
5	8.64	8.89	8.78	8.52	8.62	8.72	8.80	8.44	8.46	8.54	8.33	8.60
6	8.58	8.46	8.53	8.41	8.30	8.38	8.54	8.68	8.78	8.65	8.46	8.34
7	8.32	8.57	8.50	8.39	8.43	8.33	8.38	8.49	8.82	8.99	8.78	8.68
8	8.59	8.52	8.50	8.09	8.10	8.50	8.56	8.60	8.52	8.68	8.73	8.60
9	8.64	8.17	8.22	8.67	8.64	8.58	8.57	8.66	8.58	8.52	8.57	8.21
1970	7.84	8.09	8.40	8.49	8.53	8.58	8.34	8.41	8.49	8.66	8.70	8.60

NOTES: Averages of 1st of the month and 1st of the next month elevations
Add 1100.00 feet to obtain elevation according to Datum.

TABLE F.19

1st OF THE MONTH HISTORIC ELEVATION IN FEET (DATUM: USCGS 1929)

OSOYOOS LAKE NEAR OROVILLE, WASH., STATION NO. 8NM-73

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1929-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.
1928							11.81	11.42	11.24			
1929			11.09	10.49	9.32	9.11	11.34	11.28	11.31	11.39	11.32	11.48
1930	11.68	12.30	12.89	12.75	11.91	11.59	11.52	11.70	12.12	12.07	11.68	11.49
1	11.67	11.80	12.18	12.10	11.84	11.69	11.69	11.86	11.73	11.82	11.85	13.33
2	14.16	14.93	14.74	14.08	13.20	12.97	13.11	13.01	13.28	13.87	13.60	12.67
3	13.93	15.10	15.83	14.91	13.96	13.57	13.54	13.76	14.02	14.15	14.16	14.20
4	14.42	16.58	14.51	13.91	13.71	12.96	13.09	13.30	13.65	13.56	14.18	13.90
5	13.89	14.19	15.09	14.40	14.13	14.08	14.16	14.16	14.27	13.74	13.22	12.87
6	13.00	14.56	14.59	14.62	14.12	13.80	13.86	13.79	13.82	13.61	12.89	12.92
7	13.95	14.31	14.91	15.09	13.30	13.31	13.87	13.77	13.93	14.36	14.19	14.12
8	14.06	15.32	16.04	13.96	12.94	12.52	13.40	13.19	13.30	13.49	13.23	13.10
9	14.19	15.05	14.19	14.06	13.95	13.98	13.98	13.82	13.69	13.50	13.28	12.89
1940	14.25	14.75	14.35	13.50	13.46	13.54	13.98	14.05	14.13	14.32	14.28	14.40
1	15.60	15.40	14.44	14.96	13.96	14.70	15.36	15.35	15.51	15.55	15.73	15.07
2	14.22	15.65	16.49	16.42	16.09	15.36	15.19	15.20	15.23	14.79	14.58	14.33
3	14.80	15.16	14.89	14.29	13.55	13.32	13.49	13.75	13.70	13.60	13.61	13.41
4	13.83	14.26	15.19	15.15	13.81	13.22	11.07	11.45	11.84	12.42	12.02	12.13
5	12.58	12.82	14.01	12.78	11.97	11.62	11.53	12.13	12.52	12.64	12.03	12.22
6	12.52	13.25	13.91	13.16	12.43	12.31	12.50	12.66	12.40	12.27	11.73	11.28
7	10.90	11.89	11.31	11.15	11.21	11.50	11.48	10.98	10.94	11.07	11.12	11.19
8	11.10	11.59	16.60	12.34	11.98	12.44	12.25	11.81	11.85	11.47	11.04	11.07
9	10.77	11.51	11.75	10.99	11.24	11.41	11.32	11.40	11.17	10.81	10.83	10.86
1950	11.19	11.25	12.02	12.04	11.47	11.11	11.24	11.33	11.33	11.64	11.72	11.37
1	11.49	12.41	12.73	12.11	12.29	12.08	11.66	11.67	11.83	12.16	12.15	12.04
2	11.58	12.84	12.39	12.18	11.71	11.70	11.84	11.27	11.00	10.72	10.93	10.57
3	10.87	11.17	11.63	11.43	11.50	12.10	11.62	11.46	11.38	11.25	11.26	11.49
4	11.18	10.68	11.83	11.86	11.78	12.41	11.88	11.47	11.84	11.48	11.27	11.17
5	11.44	11.45	12.29	12.20	11.95	11.75	11.98	11.55	11.15	11.16	11.58	12.12
6	11.31	12.22	13.83	12.42	11.90	11.35	11.44	11.26	10.93	11.15	10.60	11.22
7	11.61	11.64	12.78	12.14	12.00	12.75	12.45	11.64	11.66	11.40	11.35	11.88
8	12.12	13.13	11.93	11.35	11.46	11.56	11.66	11.25	11.17	11.35	11.22	11.83
9	12.03	12.60	14.41	13.91	11.79	11.62	11.77	11.80	12.65	12.41	11.74	10.91
1960	12.19	12.24	12.43	11.62	11.72	11.89	11.97	11.88	11.83	11.73	11.49	11.06
1	11.48	11.59	13.63	11.75	11.70	11.78	11.96	11.44	11.32	11.03	10.81	10.79
2	11.80	12.44	11.95	11.24	11.09	11.13	11.60	11.04	11.14	11.04	10.50	10.58
3	10.77	11.07	11.34	11.03	10.83	10.98	11.22	11.03	10.86	10.80	10.87	11.29
4	11.12	11.11	12.02	11.75	11.54	11.48	11.40	11.11	11.02	10.46	10.79	11.09
5	11.54	12.12	12.81	11.62	10.96	11.15	11.30	11.11	10.82	11.11	10.57	10.15
6	10.92	10.77	10.83	10.90	10.97	10.93	11.08	10.74	10.90	10.62	9.87	10.32
7	11.16	11.43	12.18	11.26	11.12	11.18	11.05	10.85	10.57	10.57	10.93	10.82
8	10.52	11.15	11.50	12.02	11.47	11.50	11.46	11.60	11.03	12.29	11.57	11.28
9	11.65	11.73	12.60	11.22	11.23	11.18	11.45	11.11	11.02	10.87	9.80	10.50
1970	10.49	10.93	10.97	(10.99)	10.98	10.95	11.08	10.80	10.71	10.74	10.61	10.48

NOTE: Add 900.00 feet to obtain elevation according to Datum.

TABLE F.20

MONTHLY HISTORIC ELEVATION IN FEET (DATUM: USCGS 1929)
OSOYOOS LAKE NEAR OROVILLE, WASH., STN. NO. 8NM-73
PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1929-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.
1929			10.79	9.81	9.22	10.23	11.31	11.30	11.35	11.35	11.40	11.58
1930	11.99	12.60	12.82	12.33	11.75	11.55	11.61	11.91	12.10	11.87	11.58	11.58
1	11.73	11.99	12.14	11.97	11.76	11.69	11.77	11.80	11.77	11.84	12.59	13.75
2	14.54	14.83	14.41	13.64	13.08	13.04	13.06	13.19	13.58	13.69	13.14	13.30
3	14.51	15.46	15.37	14.43	13.76	13.55	13.65	13.89	14.08	14.15	14.18	14.31
4	15.50	15.54	14.21	13.81	13.33	13.02	13.19	13.48	13.61	13.87	14.04	13.90
5	14.04	14.64	14.75	14.26	14.11	14.12	14.16	14.22	14.01	13.48	13.04	12.93
6	13.78	14.58	14.61	14.37	13.96	13.83	13.82	13.81	13.72	13.25	12.91	13.44
7	14.13	14.61	15.00	14.19	13.30	13.59	13.82	13.85	14.15	14.28	14.15	14.09
8	14.69	15.68	15.00	13.45	12.73	12.96	13.30	13.25	13.40	13.36	13.17	13.64
9	14.62	14.62	14.13	14.00	13.97	13.98	13.90	13.76	13.59	13.39	13.08	13.57
1940	14.50	14.55	13.93	13.48	13.50	13.76	14.02	14.09	14.23	14.30	14.34	15.00
1	15.50	14.92	14.70	14.46	14.33	15.03	15.36	15.43	15.33	15.64	15.40	14.65
2	14.94	16.07	16.45	16.26	15.73	15.28	15.19	15.22	15.01	14.69	14.46	14.57
3	14.98	15.02	14.59	13.92	13.43	13.40	13.62	13.73	13.65	13.60	13.51	13.62
4	14.05	14.72	15.17	14.48	13.51	12.14	11.26	11.65	12.13	12.22	12.08	12.35
5	12.70	13.42	13.39	12.38	11.79	11.58	11.83	12.33	12.58	12.34	12.13	12.37
6	12.88	13.58	13.53	12.80	12.37	12.41	12.58	12.53	12.34	12.00	11.51	11.09
7	11.40	11.60	11.23	11.18	11.35	11.49	11.23	10.96	11.00	11.09	11.16	11.15
8	11.34	14.09	14.47	12.16	12.21	12.34	12.03	11.83	11.66	11.25	11.06	10.92
9	11.14	11.63	11.37	11.11	11.32	11.37	11.36	11.28	10.99	10.82	10.85	11.02
1950	11.22	11.63	12.03	11.76	11.29	11.17	11.28	11.33	11.49	11.70	11.57	11.43
1	11.95	12.57	12.42	12.20	12.19	11.87	11.66	11.75	11.99	12.16	12.09	11.81
2	12.21	12.62	12.29	11.94	11.71	11.77	11.56	11.13	10.86	10.82	10.75	10.72
3	11.02	11.40	11.53	11.47	11.80	11.86	11.54	11.42	11.32	11.25	11.38	11.33
4	10.93	11.26	11.85	11.82	12.10	12.15	11.28	11.65	11.66	11.38	11.22	11.31
5	11.44	11.87	12.25	12.08	11.85	11.87	11.76	11.35	11.15	11.37	11.85	11.72
6	11.77	13.02	13.13	12.16	11.62	11.39	11.35	11.10	11.04	10.87	10.91	11.42
7	11.63	12.21	12.46	12.07	12.38	12.60	12.05	11.65	11.53	11.38	11.61	12.00
8	12.62	12.53	11.64	11.41	11.51	11.61	11.46	11.21	11.26	11.29	11.52	11.93
9	12.31	13.50	14.16	12.85	11.71	11.70	11.79	12.22	12.53	12.07	11.32	11.55
1960	12.21	12.34	12.03	11.67	11.80	11.93	11.93	11.86	11.78	11.61	11.27	11.27
1	11.54	12.61	12.69	11.73	11.74	11.87	11.70	11.38	11.18	10.92	10.80	11.29
2	12.12	12.20	11.59	11.16	11.11	11.37	11.32	11.09	11.09	10.77	10.54	10.68
3	10.92	11.21	11.18	10.93	10.91	11.10	11.12	10.95	10.83	10.84	11.08	11.21
4	11.12	11.57	11.88	11.65	11.51	11.44	11.26	11.07	10.74	10.62	10.94	11.31
5	11.83	12.46	12.21	11.29	11.06	11.23	11.20	10.97	10.96	10.84	10.36	10.53
6	10.84	10.80	10.87	10.94	10.95	11.01	10.91	10.84	10.76	10.24	10.09	10.74
7	11.30	11.81	11.72	11.19	11.15	11.12	10.95	10.71	10.57	10.75	10.87	10.67
8	10.84	11.33	11.76	11.74	11.49	11.48	11.53	11.32	11.66	11.93	11.42	11.46
9	11.69	12.16	11.91	11.22	11.21	11.32	11.28	11.06	10.94	10.34	10.15	10.50
1970	10.71	10.95	10.98	10.98	10.96	11.02	10.94	10.76	10.72	10.68	10.54	10.71

NOTES: Average of 1st of the month and 1st of the next month elevations.
Add 900.00 feet to obtain elevation according to Datum.

TABLE F.21

MONTHLY AND ANNUAL EVAPORATION IN KILO ACRE-FEET

OKANAGAN LAKE

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	17.6	30.7	40.3	45.0	45.0	29.5	22.4	5.7	0.0	0.0	0.0	4.5	240.7
2	17.6	28.3	43.9	48.6	45.0	35.5	22.4	4.5	0.0	0.0	0.0	9.3	255.1
3	21.2	29.5	37.9	48.6	46.2	36.7	22.4	10.5	0.9	0.0	10.5	10.5	274.9
4	21.2	37.9	40.3	48.6	45.0	37.9	22.4	4.5	0.0	0.0	8.1	12.8	278.7
5	23.6	35.5	42.7	52.2	43.9	35.5	20.0	8.1	6.9	0.0	10.5	16.4	295.3
6	27.2	30.7	42.7	52.2	45.0	28.3	22.4	11.6	0.0	0.0	0.0	11.6	271.7
7	20.0	28.3	42.7	48.6	47.4	33.1	22.4	5.7	0.0	0.0	3.3	14.0	265.5
8	18.8	35.5	40.3	49.8	46.2	37.9	20.0	9.3	0.0	0.0	0.0	14.0	271.8
9	18.8	33.1	39.1	47.4	48.6	34.3	24.8	8.1	0.0	0.0	5.7	10.5	270.4
1930	26.0	29.5	36.7	47.4	47.4	35.5	23.6	5.7	0.0	3.3	3.3	14.0	272.4
1	22.4	34.3	39.1	48.6	46.2	33.1	21.2	3.3	0.0	0.0	0.0	8.1	256.3
2	22.4	31.9	42.7	42.7	46.2	34.3	22.4	11.6	0.0	0.0	0.0	9.3	263.5
3	21.2	27.2	37.9	46.2	48.6	30.7	21.2	11.6	2.1	3.3	4.5	14.0	268.5
4	29.5	34.3	42.7	45.0	46.2	31.9	23.6	12.8	0.0	0.0	3.3	6.9	276.2
5	16.4	30.7	37.9	43.9	41.5	36.7	18.8	3.3	2.1	0.0	0.0	6.9	238.2
6	23.6	35.5	40.3	47.4	47.4	33.1	26.0	4.5	0.0	0.0	0.0	10.5	268.3
7	20.0	30.7	41.5	47.4	41.5	39.1	24.8	8.1	2.1	0.0	0.0	11.6	266.8
8	23.6	34.3	45.0	51.0	42.7	40.3	23.6	5.7	0.0	3.3	0.0	10.5	280.0
9	26.0	33.1	35.5	47.4	48.6	36.7	22.4	11.6	9.3	0.0	4.5	16.4	291.5
1940	26.0	34.3	45.0	49.8	46.2	41.5	27.2	2.1	4.5	2.1	5.7	18.8	303.2
1	27.2	31.9	40.3	51.0	46.2	30.7	22.4	11.6	3.3	0.0	4.5	11.6	280.7
2	23.6	30.7	37.9	48.6	47.4	37.9	23.6	5.7	0.0	0.0	3.3	6.9	265.6
3	23.6	28.3	37.9	48.6	45.0	36.7	22.4	10.5	0.0	0.0	0.9	8.1	262.0
4	22.4	31.9	42.7	48.6	42.7	37.9	23.6	9.3	0.0	0.0	3.3	10.4	272.8
5	18.8	31.9	37.9	47.4	47.4	31.9	22.4	4.5	0.9	0.0	2.1	12.8	258.0
6	21.2	35.5	35.5	46.2	45.0	35.5	17.6	0.9	0.0	0.0	2.1	12.8	252.3
7	24.8	35.5	37.9	45.0	42.7	34.3	22.4	8.1	3.3	0.0	0.0	8.1	262.1
8	18.8	29.5	45.0	42.7	40.3	33.1	18.8	8.1	0.0	0.0	0.0	8.1	244.4
9	24.8	35.5	37.9	45.0	43.9	35.5	17.6	11.6	0.0	0.0	0.0	8.1	259.9
1950	18.8	29.5	41.5	47.4	45.0	37.9	20.0	5.7	4.5	0.0	0.0	3.3	253.6
1	21.2	33.1	40.3	48.6	45.0	36.7	20.0	6.9	0.0	0.0	2.1	10.5	264.4
2	23.6	31.9	36.7	46.2	46.2	39.1	27.2	6.9	4.5	4.5	6.9	14.0	287.7
3	20.0	30.7	35.5	46.2	43.9	34.3	23.6	12.8	5.7	0.0	6.9	6.9	266.5
4	17.6	30.7	34.3	42.7	41.5	34.3	18.8	16.4	2.1	0.0	0.0	2.1	240.5
5	16.4	24.8	37.9	43.9	43.9	34.3	20.0	0.0	0.0	0.0	0.0	6.9	228.1
6	23.6	34.3	36.7	48.6	47.4	36.7	21.2	4.5	0.0	0.0	0.0	9.3	262.3
7	22.4	36.7	40.3	42.7	40.3	39.1	17.6	8.1	5.7	4.5	9.3	11.6	278.3
8	21.2	40.3	46.2	53.4	52.2	34.3	22.4	4.5	2.1	0.0	0.0	11.6	288.2
9	21.2	27.2	37.9	47.4	41.5	31.9	20.0	2.1	3.3	0.0	3.3	11.6	247.4
1960	22.4	28.3	40.3	53.4	43.9	33.1	23.6	8.1	0.0	0.9	9.3	12.8	276.1
1	21.2	30.7	45.0	48.6	51.0	31.9	18.8	3.3	0.0	0.0	2.1	5.7	258.3
2	24.8	28.3	37.9	45.0	41.5	34.3	21.2	11.6	5.7	0.0	6.9	14.0	271.2
3	20.0	31.9	40.3	42.7	46.2	40.3	26.0	9.3	0.0	2.1	3.3	10.5	272.6
4	20.0	29.5	39.1	46.2	40.3	30.7	22.4	9.3	0.0	0.0	4.5	5.7	247.7
5	22.4	30.7	41.5	49.8	47.4	30.7	27.2	10.5	0.9	0.0	5.7	12.8	279.6
6	21.2	31.9	36.7	43.9	43.9	37.9	22.4	10.5	5.7	4.5	9.3	9.3	277.2
7	17.6	29.5	43.9	47.4	53.4	42.7	23.6	9.3	0.0	0.0	4.5	14.0	285.9
8	20.0	29.5	37.9	48.6	41.5	34.3	20.0	9.3	0.0	0.0	0.0	10.5	251.6
9	22.4	34.3	47.4	45.0	43.9	34.3	18.8	10.5	2.1	0.0	5.7	11.6	276.0
1970	18.8	30.7	45.0	49.8	47.4	30.7	18.8	3.3	0.0	0.0	3.3	6.9	254.7

TABLE F.22

MONTHLY AND ANNUAL EVAPORATION IN KILO ACRE-FEET

SKAHA LAKE

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	1.0	1.7	2.3	2.5	2.4	1.7	1.3	0.4	0.0	0.0	0.0	0.4	13.7
2	1.1	1.7	2.5	2.6	2.4	2.0	1.3	0.4	0.0	0.1	0.0	0.5	14.6
3	1.3	1.7	2.2	2.7	2.5	2.0	1.3	0.7	0.2	0.0	0.7	0.6	16.0
4	1.2	2.1	2.3	2.6	2.5	2.1	1.3	0.4	0.0	0.0	0.6	0.9	16.0
5	1.3	2.0	2.4	2.7	2.4	2.0	1.1	0.5	0.5	0.1	0.7	0.9	16.6
6	1.5	1.8	2.5	2.8	2.4	1.7	1.3	0.7	0.1	0.0	0.2	0.8	15.8
7	1.1	1.7	2.5	2.7	2.6	1.9	1.3	0.4	0.0	0.0	0.3	0.9	15.4
8	1.1	2.0	2.3	2.7	2.5	2.0	1.1	0.6	0.1	0.0	0.0	0.8	15.2
9	1.1	1.9	2.2	2.5	2.5	1.8	1.3	0.4	0.1	0.0	0.4	0.7	14.9
1930	1.5	1.7	2.1	2.6	2.5	1.9	1.1	0.5	0.1	0.3	0.3	0.9	15.5
1	1.3	1.9	2.2	2.7	2.5	1.9	1.2	0.1	0.1	0.0	0.0	0.5	14.4
2	1.3	1.7	2.3	2.3	2.4	1.8	1.2	0.7	0.0	0.1	0.0	0.6	14.4
3	1.1	1.5	2.1	2.5	2.5	1.7	1.1	0.7	0.1	0.3	0.3	0.8	14.7
4	1.5	1.8	2.3	2.3	2.4	1.7	1.2	0.7	0.1	0.0	0.3	0.4	14.7
5	0.9	1.7	2.1	2.5	2.3	2.0	1.1	0.3	0.2	0.1	0.0	0.5	13.7
6	1.3	1.9	2.3	2.7	2.5	1.8	1.3	0.3	1.1	0.0	0.0	0.6	14.8
7	1.2	1.7	2.3	2.7	2.3	2.0	1.3	0.4	0.2	0.1	0.1	0.7	15.0
8	1.3	1.9	2.5	2.8	2.3	2.1	1.3	0.4	0.1	0.3	0.0	0.7	15.7
9	1.4	1.8	2.0	2.5	2.5	1.9	1.2	0.7	0.6	0.1	0.4	0.9	16.0
1940	1.4	1.9	2.4	2.7	2.4	2.2	1.4	0.2	0.3	0.1	0.3	0.9	16.2
1	1.4	1.7	2.2	2.7	2.5	1.7	1.2	0.7	0.3	0.0	0.3	0.7	15.4
2	1.3	1.6	2.0	2.6	2.3	1.9	1.3	0.5	0.1	0.0	0.2	0.4	14.2
3	1.3	1.5	2.0	2.6	2.4	1.9	1.2	0.6	0.1	0.0	0.1	0.5	14.2
4	1.3	1.7	2.3	2.5	2.4	2.0	1.4	0.6	0.0	0.1	0.3	0.7	15.3
5	1.0	1.8	2.1	2.5	2.5	1.7	1.2	0.4	0.1	0.1	0.1	0.7	14.2
6	1.2	1.9	2.0	2.5	2.4	1.9	1.0	0.1	0.0	0.0	0.2	0.7	13.9
7	1.3	1.9	2.1	2.5	2.3	1.9	1.3	0.5	0.3	0.0	0.0	0.5	14.6
8	1.0	1.7	2.4	2.3	2.3	1.8	1.1	0.5	0.0	0.0	0.5	0.5	14.1
9	1.3	1.9	2.1	2.4	2.4	1.9	1.0	0.8	0.0	0.0	0.1	0.4	14.3
1950	1.0	1.6	2.3	2.5	2.4	2.0	1.1	0.5	0.4	0.0	0.1	0.2	14.1
1	1.1	1.8	2.1	2.5	2.4	1.9	1.1	0.5	0.0	0.0	0.1	0.6	14.1
2	1.3	1.7	2.1	2.5	2.5	2.1	1.3	0.5	0.4	0.5	0.4	0.8	16.1
3	1.1	1.7	2.0	2.5	2.5	1.9	1.2	0.8	0.4	0.0	0.5	0.4	15.0
4	1.0	1.7	1.9	2.3	2.2	1.9	1.0	0.9	0.2	0.0	0.0	0.2	13.3
5	0.9	1.5	2.1	2.4	2.3	1.9	1.2	0.0	0.0	0.0	0.0	0.5	12.8
6	1.3	1.9	2.1	2.7	2.5	1.9	1.1	0.4	0.1	0.0	0.0	0.6	14.6
7	1.3	2.1	2.1	2.3	2.2	2.1	1.1	0.5	0.4	0.4	0.6	0.7	15.8
8	1.3	2.1	2.3	2.9	2.8	1.9	1.2	0.3	0.2	0.0	0.0	0.7	15.7
9	1.3	1.6	2.1	2.6	2.3	1.6	1.1	0.2	0.3	0.0	0.3	0.7	14.1
1960	1.2	1.6	2.4	2.9	2.4	1.7	1.3	0.5	0.0	0.1	0.5	0.8	15.4
1	1.2	1.7	2.2	2.7	2.7	1.8	1.0	0.2	0.0	0.0	0.1	0.3	13.9
2	1.3	1.7	2.1	2.5	2.3	1.9	1.2	0.7	0.4	0.0	0.4	0.8	15.3
3	1.2	1.7	2.2	2.4	2.5	2.1	1.4	0.6	0.0	0.2	0.3	0.6	15.2
4	1.1	1.7	2.2	2.5	2.2	1.7	1.1	0.5	0.0	0.1	0.3	0.3	13.7
5	1.3	1.7	2.2	2.7	2.6	1.7	1.4	0.6	0.1	0.0	0.3	0.7	15.3
6	1.1	1.7	2.1	2.5	2.4	2.1	1.3	0.2	0.5	0.3	0.6	0.6	15.4
7	1.1	1.7	2.5	2.6	2.8	2.3	1.3	0.5	0.1	0.1	0.3	0.8	16.1
8	1.0	1.7	2.1	2.6	2.3	1.9	1.1	0.5	0.0	0.0	0.0	0.5	13.7
9	1.2	1.9	2.5	2.5	2.4	1.9	1.1	0.7	0.2	0.0	0.4	0.7	15.5
1970	1.0	1.7	2.5	2.7	2.5	1.6	1.1	0.3	0.0	0.0	0.3	0.5	14.2

TABLE F.23

MONTHLY AND ANNUAL EVAPORATION IN KILO ACRE-FEET

OSOYOOS LAKE

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	1.3	2.5	3.2	3.5	3.3	2.5	1.8	0.5	0.0	0.0	0.0	0.5	19.1
2	1.5	2.4	3.4	3.6	3.3	2.8	1.8	0.5	0.0	0.2	0.0	0.8	20.3
3	1.8	2.5	3.1	3.8	3.5	2.8	1.8	0.9	0.3	0.0	0.9	0.9	22.3
4	1.5	2.9	3.0	3.6	3.3	2.6	1.7	0.5	0.0	0.0	0.7	1.2	21.0
5	1.9	2.6	3.1	3.8	3.3	3.1	1.4	0.6	0.5	0.0	0.7	1.2	22.2
6	1.9	2.3	3.3	3.8	3.3	2.0	1.5	0.8	0.0	0.0	0.1	0.8	19.8
7	1.4	2.1	3.0	3.5	3.3	2.5	1.4	0.4	0.0	0.0	0.3	1.0	18.9
8	1.4	2.6	3.0	3.6	3.3	2.6	1.3	0.5	0.0	0.0	0.0	1.0	19.3
9	1.3	2.5	3.0	3.5	3.4	2.4	1.8	0.5	0.1	0.0	0.5	1.1	20.1
1930	2.1	2.5	2.9	3.7	3.6	2.6	1.5	0.5	0.1	0.3	0.4	1.1	21.3
1	1.8	2.7	2.9	3.8	3.5	2.5	1.6	0.5	0.0	0.0	0.0	0.6	19.9
2	1.8	2.4	3.3	3.3	3.5	2.6	1.6	0.9	0.0	0.0	0.0	0.9	20.3
3	1.8	2.1	3.0	3.6	3.7	2.4	1.7	0.9	0.1	0.3	0.5	1.3	21.4
4	2.4	2.7	3.3	3.6	3.5	2.5	1.8	1.1	0.1	0.0	0.5	0.8	22.3
5	1.4	2.5	3.0	3.3	3.3	3.0	1.5	0.4	0.2	0.1	0.0	0.8	19.5
6	2.0	2.8	3.1	3.8	3.6	2.7	2.1	0.5	0.1	0.0	0.0	0.9	21.6
7	1.7	2.5	3.1	3.8	3.2	2.9	2.0	0.7	0.3	0.2	0.1	1.0	21.5
8	1.9	2.7	3.5	4.0	3.3	3.1	1.9	0.5	0.0	0.3	0.0	0.9	22.1
9	2.0	2.6	2.9	3.7	3.7	2.8	1.7	0.9	0.7	0.1	0.5	1.4	23.0
1940	1.9	2.7	3.4	3.8	3.5	3.2	2.1	0.4	0.4	0.4	0.6	1.4	23.8
1	2.1	2.5	3.0	3.8	3.4	2.4	1.7	0.9	0.6	0.0	0.5	0.9	21.8
2	2.0	2.2	2.7	3.5	3.3	2.7	1.7	0.5	0.1	0.0	0.3	0.6	19.6
3	1.9	2.2	2.6	3.5	3.2	2.5	1.6	0.8	0.1	0.0	0.2	0.5	19.1
4	1.8	2.4	3.0	3.5	3.2	2.6	1.8	0.7	0.0	0.2	0.4	0.9	20.5
5	1.4	2.5	2.9	3.6	3.4	2.4	1.6	0.5	0.1	0.1	0.1	1.0	19.6
6	1.8	2.6	2.7	3.3	3.3	2.5	1.3	0.2	0.0	0.0	0.4	1.1	19.2
7	1.9	2.6	2.9	3.3	3.0	2.5	1.6	0.6	0.3	0.0	0.1	0.8	19.6
8	1.4	2.3	3.2	3.0	2.9	2.3	1.3	0.6	0.0	0.0	0.0	0.9	17.9
9	1.9	2.5	2.7	3.2	3.0	2.5	1.3	0.9	0.0	0.0	0.1	0.7	18.8
1950	1.4	2.2	2.9	3.3	3.2	2.5	1.3	0.5	0.5	0.0	0.1	0.5	18.4
1	1.6	2.5	2.8	3.3	3.0	2.4	1.4	0.5	0.0	0.0	0.2	0.8	18.5
2	1.8	2.4	2.7	3.2	3.1	2.6	1.7	0.5	0.4	0.5	0.6	1.1	20.6
3	1.5	2.2	2.6	3.3	3.0	2.3	1.5	0.9	0.4	0.0	0.6	0.6	18.9
4	1.4	2.3	2.5	3.2	3.0	2.4	1.3	1.1	0.1	0.0	0.0	0.2	17.5
5	1.3	2.0	2.9	3.1	3.2	2.5	1.4	0.0	0.0	0.0	0.0	0.5	16.9
6	1.8	2.5	2.6	3.5	3.2	2.5	1.5	0.5	0.0	0.0	0.0	0.9	19.0
7	1.7	2.7	2.9	3.1	2.9	2.7	1.4	0.6	0.4	0.3	0.8	1.0	20.5
8	1.6	2.8	3.2	3.6	3.5	2.4	1.6	0.3	0.1	0.0	0.0	0.9	20.0
9	1.7	2.1	2.8	3.3	2.9	2.2	1.4	0.2	0.1	0.0	0.2	0.9	17.8
1960	1.6	2.0	2.9	3.8	3.0	2.3	1.7	0.5	0.0	0.1	0.6	0.9	19.4
1	1.6	2.2	3.1	3.4	3.5	2.4	1.6	0.3	0.0	0.0	0.3	0.6	19.0
2	1.9	2.2	2.9	3.3	3.1	2.6	1.7	0.9	0.5	0.0	0.5	1.1	20.7
3	1.6	2.4	2.9	3.1	3.3	2.9	1.8	0.9	0.0	0.1	0.1	0.9	20.0
4	1.6	2.3	2.8	3.2	2.9	2.2	1.6	0.7	0.0	0.0	0.3	0.6	18.2
5	1.7	2.2	2.9	3.4	3.3	2.2	1.9	0.9	0.1	0.0	0.3	0.9	19.8
6	1.7	2.5	2.7	3.1	3.1	2.8	1.6	0.9	0.5	0.4	0.8	0.9	21.0
7	1.7	2.2	3.1	3.4	3.7	3.0	1.7	0.7	0.0	0.0	0.5	1.3	21.3
8	1.5	2.2	2.8	3.4	3.0	2.5	1.4	0.8	0.0	0.0	0.0	0.7	18.3
9	1.7	2.5	3.3	3.3	3.2	2.5	1.4	0.7	0.2	0.0	0.5	0.9	20.2
1970	1.5	2.3	3.2	3.5	3.3	2.1	1.4	0.4	0.0	0.0	0.2	0.5	18.4

TABLE F.24

MONTHLY AND ANNUAL EVAPORATION IN KILO ACRE-FEET

KALAMALKA-WOOD LAKE

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	1.5	2.2	2.9	3.6	3.4	2.4	1.3	0.0	0.0	0.0	0.0	0.0	17.3
2	1.0	2.0	3.3	3.7	3.4	2.6	1.4	0.0	0.0	0.0	0.0	0.3	17.7
3	1.5	2.2	3.0	3.7	3.4	2.5	1.3	0.2	0.0	0.0	0.0	0.4	18.2
4	1.3	2.7	3.0	3.7	3.3	2.7	1.4	0.0	0.0	0.0	0.0	0.5	18.6
5	1.6	2.7	3.1	3.9	3.2	2.5	0.9	0.2	0.0	0.0	0.0	0.8	18.9
6	1.8	2.2	3.1	3.9	3.2	1.8	1.4	0.3	0.0	0.0	0.0	0.3	18.0
7	1.1	2.0	3.2	3.6	3.4	2.2	1.3	0.0	0.0	0.0	0.0	0.5	17.3
8	1.3	2.7	3.1	3.8	3.3	2.6	0.9	0.3	0.0	0.0	0.0	0.6	18.6
9	1.1	2.4	2.9	3.6	3.7	2.4	1.4	0.0	0.0	0.0	0.0	0.3	17.8
1930	1.9	2.1	2.8	3.6	3.7	2.6	1.0	0.0	0.0	0.0	0.0	0.6	18.3
1	1.6	2.5	2.9	3.6	3.4	2.2	1.1	0.0	0.0	0.0	0.0	0.0	17.3
2	1.6	2.4	3.2	3.2	3.4	2.2	1.3	0.4	0.0	0.0	0.0	0.3	18.0
3	1.1	2.0	2.9	3.4	3.7	2.1	1.3	0.5	0.0	0.0	0.0	0.7	17.7
4	2.0	2.5	3.0	3.4	3.4	2.1	1.5	0.6	0.0	0.0	0.0	0.0	18.5
5	0.9	2.2	3.0	3.3	3.0	2.6	1.1	0.0	0.0	0.0	0.0	0.0	16.1
6	1.6	2.7	3.1	3.3	3.6	2.1	1.5	0.0	0.0	0.0	0.0	0.2	18.1
7	1.3	2.2	3.3	3.8	3.1	2.8	1.6	0.0	0.0	0.0	0.0	0.0	18.1
8	0.3	1.0	1.9	2.4	1.8	1.8	0.5	0.0	0.0	0.0	0.0	0.0	9.7
9	0.4	1.0	1.6	2.1	1.9	1.4	0.4	0.0	0.0	0.0	0.9	1.8	11.5
1940	2.9	4.0	5.0	5.4	5.1	4.6	2.6	0.0	0.0	0.0	0.0	1.1	30.7
1	2.0	2.5	3.1	4.1	3.6	2.1	1.4	0.4	0.0	0.0	0.0	0.6	19.8
2	1.7	2.4	3.0	3.7	3.6	2.7	1.5	0.0	0.0	0.0	0.0	0.0	18.6
3	1.8	2.0	3.0	3.8	3.3	2.7	1.6	0.4	0.0	0.0	0.0	0.0	18.6
4	1.6	2.4	3.2	3.7	3.2	2.7	1.6	0.4	0.0	0.0	0.0	0.4	19.2
5	1.1	2.5	2.9	3.8	3.7	2.2	1.4	0.0	0.0	0.0	0.0	0.7	18.3
6	1.5	2.7	2.9	3.6	3.6	2.6	0.9	0.0	0.0	0.0	0.0	0.6	18.4
7	1.7	2.7	2.9	3.6	3.2	2.6	1.4	0.2	0.0	0.0	0.0	0.0	18.3
8	1.1	2.5	3.4	3.3	3.1	2.2	1.1	0.2	0.0	0.0	0.0	0.0	16.9
9	1.7	2.7	2.9	3.4	3.3	2.6	0.9	0.7	0.0	0.0	0.0	0.0	18.2
1950	1.1	2.0	3.3	3.7	3.4	2.8	1.3	0.0	0.0	0.0	0.0	0.0	17.6
1	1.4	2.5	2.9	3.7	3.3	2.6	1.1	0.0	0.0	0.0	0.0	0.0	17.5
2	1.6	2.2	2.8	3.6	3.4	3.0	1.7	0.0	0.0	0.0	0.0	0.8	19.1
3	1.3	2.5	2.8	3.4	3.4	2.5	1.5	0.6	0.0	0.0	0.0	0.0	18.0
4	0.9	2.4	2.7	3.3	3.1	2.5	1.0	0.9	0.0	0.0	0.0	0.0	16.8
5	1.0	2.0	3.1	3.6	3.2	2.5	1.4	0.0	0.0	0.0	0.0	0.0	16.8
6	1.7	2.7	2.9	3.9	3.6	2.6	1.3	0.0	0.0	0.0	0.0	0.3	19.0
7	1.6	2.9	3.1	3.3	2.9	2.7	1.0	0.2	0.0	0.0	0.4	0.7	18.8
8	1.5	3.1	3.7	4.1	4.0	2.5	1.3	0.0	0.0	0.0	0.0	0.5	20.7
9	1.5	2.0	2.9	3.7	3.1	2.2	1.0	0.0	0.0	0.0	0.0	0.2	16.6
1960	1.5	2.0	3.0	4.1	3.3	2.2	1.5	0.0	0.0	0.0	0.0	0.6	18.2
1	1.4	2.5	3.6	3.9	4.0	2.2	1.1	0.0	0.0	0.0	0.0	0.0	18.7
2	1.7	2.1	2.9	3.4	3.2	2.6	1.5	0.5	0.0	0.0	0.0	0.7	18.6
3	1.5	2.4	3.0	3.3	3.7	3.2	1.8	0.3	0.0	0.0	0.0	0.2	19.4
4	1.3	2.1	3.0	3.6	3.0	2.1	1.4	0.2	0.0	0.0	0.0	0.0	16.7
5	1.6	2.1	3.1	3.9	3.7	2.0	1.6	0.0	0.0	0.0	0.0	0.4	18.4
6	1.3	2.2	2.8	3.2	3.3	2.9	1.3	0.0	0.0	0.0	0.0	0.3	17.3
7	1.1	2.1	3.4	3.7	4.1	3.3	1.5	0.0	0.0	0.0	0.0	0.8	20.0
8	1.1	2.2	2.8	3.7	3.1	2.5	1.1	0.2	0.0	0.0	0.0	0.3	17.0
9	1.6	2.7	3.8	3.4	3.4	2.6	1.1	0.4	0.0	0.0	0.0	0.5	19.5
1970	1.1	2.2	3.6	3.9	3.7	2.0	0.9	0.0	0.0	0.0	0.0	0.0	17.4

TABLE F.25

MONTHLY AND ANNUAL PRECIPITATION IN KILO ACRE-FEET
OVER OKANAGAN LAKE

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	7.9	8.3	11.3	1.2	6.5	4.2	2.6	11.1	9.8	2.1	3.4	9.8	78.2
2	8.2	2.8	1.7	1.6	13.1	8.2	11.1	3.4	8.3	8.7	2.0	2.4	71.5
3	9.0	8.8	23.0	6.9	9.1	4.5	6.6	3.8	10.6	5.0	5.6	2.4	95.3
4	2.1	2.2	4.2	3.4	5.9	5.0	7.3	7.8	10.9	13.4	3.8	2.1	68.1
5	3.4	3.9	7.7	0.4	1.8	5.3	5.9	5.8	12.0	8.2	7.4	3.3	65.1
6	5.1	6.9	5.2	1.1	7.6	5.6	6.6	7.9	10.1	7.2	5.8	2.3	71.4
7	2.0	7.1	6.3	4.3	11.1	18.5	10.0	17.4	19.0	7.6	0.7	6.2	110.2
8	10.7	7.1	10.9	8.5	3.3	0.4	3.3	3.9	5.1	7.3	2.8	4.5	67.8
9	2.8	1.6	8.3	0.1	5.8	2.0	6.0	3.2	12.5	7.0	4.8	7.6	61.7
1930	6.0	8.4	6.0	0.9	4.4	4.4	6.9	4.2	0.9	5.2	2.0	3.9	53.2
1	2.2	4.7	10.6	1.8	2.5	9.8	7.1	5.5	8.2	8.8	1.5	15.4	78.1
2	7.0	4.0	2.8	6.7	9.1	5.4	6.4	16.4	8.1	6.4	6.5	6.4	85.2
3	0.8	7.9	5.6	2.6	1.3	13.2	17.6	7.0	24.5	5.8	1.2	9.6	97.1
4	1.2	7.4	2.2	1.8	5.4	14.5	8.0	10.6	11.4	14.4	3.8	4.6	82.3
5	2.8	3.3	12.5	14.2	5.1	1.7	7.9	2.4	5.2	10.7	13.3	4.4	83.5
6	5.0	8.4	15.7	9.5	5.5	4.1	1.7	1.0	9.4	14.3	19.0	5.6	92.2
7	5.2	5.6	16.0	5.5	2.3	5.8	4.8	25.2	14.3	6.5	11.9	3.5	106.6
8	1.7	1.2	2.6	4.1	4.9	9.1	8.2	4.8	12.7	9.5	2.7	3.4	64.9
9	0.4	7.3	11.3	2.5	2.5	1.9	5.7	4.5	9.1	4.1	10.7	8.7	68.7
1940	4.4	12.0	1.5	5.7	1.7	6.8	14.0	7.7	7.5	7.8	4.5	3.6	77.2
1	9.6	12.6	16.4	7.7	10.3	16.6	4.0	5.2	10.0	6.0	4.8	1.7	104.9
2	8.5	18.7	12.7	15.9	3.2	0.3	3.8	9.4	12.5	10.5	1.9	4.3	101.7
3	4.5	3.8	7.2	3.1	6.8	0.9	10.0	1.6	2.5	5.5	8.1	2.3	56.3
4	9.3	12.2	9.5	9.1	4.2	13.2	6.0	12.2	10.7	10.7	10.2	4.7	112.0
5	1.4	9.4	8.5	2.2	1.2	8.7	23.6	10.5	9.7	8.5	6.2	3.8	93.7
6	3.7	8.2	16.2	2.2	2.0	4.7	8.4	6.7	5.1	4.7	6.0	4.7	72.6
7	2.0	1.9	13.4	11.6	4.0	0.8	12.4	5.0	7.4	2.7	10.9	3.0	81.1
8	17.6	14.3	14.7	14.2	22.5	4.6	2.5	7.3	6.2	5.5	12.0	7.9	129.3
9	5.7	6.3	4.1	8.5	9.8	5.9	9.5	8.1	25.0	6.1	6.3	9.2	104.5
1950	9.7	2.9	4.8	10.3	6.1	3.7	10.8	11.0	13.2	13.1	9.9	9.2	104.7
1	1.8	5.8	3.9	7.1	8.9	2.5	15.6	4.9	16.0	14.1	5.0	3.6	89.2
2	4.1	6.7	8.6	5.6	2.1	1.3	0.6	1.5	6.7	15.4	4.8	4.9	62.3
3	7.3	5.9	12.9	5.6	16.4	2.2	3.8	5.8	9.0	12.1	2.6	3.6	87.2
4	0.8	12.6	6.8	8.4	14.3	8.7	1.3	8.1	4.4	6.0	5.2	2.6	79.2
5	3.3	4.4	8.2	10.2	0.4	7.5	8.5	12.4	15.4	12.2	4.1	6.0	92.6
6	0.4	3.6	13.9	6.4	5.2	5.2	4.1	2.6	6.6	9.2	7.1	6.9	71.2
7	3.7	12.5	8.0	7.5	6.7	0.2	6.8	5.4	4.1	8.2	10.4	7.3	80.8
8	10.1	4.2	7.3	3.8	1.6	4.8	13.9	13.5	11.0	16.5	8.4	3.5	98.6
9	1.4	8.7	8.9	2.1	3.7	15.1	8.5	8.5	2.4	5.8	4.3	4.2	73.6
1960	4.1	10.4	1.9	0.7	10.0	2.3	3.7	9.4	4.1	5.0	8.7	6.5	66.8
1	6.5	13.5	9.7	10.4	5.7	2.3	4.2	5.0	12.7	11.7	7.7	3.5	92.9
2	4.7	6.0	7.0	3.5	9.9	5.4	6.0	6.6	2.9	5.2	3.6	6.3	67.1
3	13.8	3.3	11.2	8.6	7.6	10.4	2.4	10.0	15.5	8.3	2.1	3.1	96.3
4	1.5	2.3	15.0	14.9	9.6	10.8	1.2	11.3	10.2	13.9	4.5	0.6	95.8
5	8.9	6.8	4.7	4.1	14.1	2.5	1.0	7.3	10.1	9.1	1.9	3.5	74.0
6	5.5	3.5	5.4	10.4	8.1	4.1	4.8	11.2	11.2	9.9	2.9	3.4	80.4
7	2.9	5.7	6.5	2.7	1.1	2.6	13.1	6.5	12.4	5.7	6.2	5.6	71.0
8	1.8	8.6	14.8	4.0	13.3	7.0	3.8	5.0	15.1	11.5	5.1	2.7	93.3
9	14.7	3.9	5.7	3.1	0.5	17.5	4.7	3.9	11.4	13.9	3.5	3.6	86.4
1970	2.1	4.0	3.6	7.5	1.7	3.9	5.3	9.6	9.4	13.4	6.8	5.3	72.6

TABLE F.26

MONTHLY AND ANNUAL PRECIPITATION IN KILO ACRE-FEET
OVER SKAHA LAKE

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	0.5	0.6	0.6	0.0	0.3	0.2	0.2	0.6	0.6	0.0	0.1	0.6	4.3
2	0.5	0.2	0.1	0.2	0.9	0.4	0.5	0.2	0.2	0.5	0.1	0.1	3.9
3	0.6	0.5	1.2	0.3	0.7	0.3	0.4	0.2	0.6	0.2	0.5	0.1	5.6
4	0.0	0.0	0.1	0.2	0.4	0.3	0.4	0.5	0.5	0.6	0.2	0.1	3.3
5	0.2	0.3	0.4	0.0	0.1	0.3	0.4	0.3	0.6	0.2	0.4	0.2	3.4
6	0.3	0.2	0.3	0.1	0.5	0.3	0.4	0.3	0.3	0.3	0.2	0.1	3.3
7	0.1	0.4	0.3	0.3	0.6	1.0	0.5	1.0	0.9	0.5	0.1	0.4	6.1
8	0.8	0.5	0.5	0.4	0.2	0.0	0.2	0.2	0.3	0.1	0.1	0.2	3.5
9	0.2	0.1	0.5	0.0	0.2	0.2	0.3	0.1	0.5	0.3	0.4	0.5	3.2
1930	0.3	0.4	0.5	0.1	0.3	0.4	0.3	0.3	0.0	0.1	0.0	0.1	2.8
1	0.1	0.3	0.5	0.1	0.1	0.6	0.2	0.3	0.3	1.0	0.1	1.1	4.7
2	0.3	0.2	0.1	0.4	0.2	0.3	0.3	0.9	0.4	0.2	0.3	0.4	4.0
3	0.1	0.6	0.4	0.1	0.1	0.5	0.8	0.4	1.5	0.3	0.0	0.5	5.3
4	0.1	0.4	0.1	0.1	0.4	0.7	0.2	0.6	0.6	0.6	0.1	0.2	4.1
5	0.2	0.2	0.4	1.0	0.4	0.1	0.4	0.1	0.3	0.7	0.5	0.3	4.6
6	0.4	0.7	0.9	0.4	0.2	0.2	0.1	0.0	0.3	0.6	1.0	0.4	5.1
7	0.2	0.4	1.1	0.3	0.1	0.3	0.2	1.2	0.8	0.5	0.7	0.2	6.0
8	0.1	0.1	0.1	0.2	0.3	0.5	0.5	0.2	0.5	0.3	0.2	0.2	3.2
9	0.0	0.4	0.6	0.2	0.2	0.1	0.3	0.3	0.4	0.2	0.6	0.4	3.7
1940	0.3	0.9	0.1	0.2	0.0	0.4	0.8	0.5	0.3	0.3	0.2	0.2	4.2
1	0.9	0.4	1.0	0.7	0.6	0.8	0.1	0.2	0.6	0.6	0.3	0.2	6.4
2	0.7	0.9	0.8	1.0	0.4	0.0	0.2	0.6	0.5	0.6	0.1	0.2	6.0
3	0.2	0.2	0.7	0.1	0.5	0.1	0.5	0.1	0.0	0.2	0.3	0.1	3.0
4	0.6	0.8	0.6	0.2	0.1	0.9	0.3	0.6	0.4	0.5	0.7	0.2	5.9
5	0.0	0.6	0.6	0.1	0.2	0.4	1.3	0.8	0.6	0.5	0.4	0.3	5.8
6	0.2	0.4	1.1	0.1	0.1	0.3	0.3	0.4	0.3	0.3	0.2	0.4	4.1
7	0.1	0.1	0.9	0.4	0.1	0.3	0.5	0.3	0.5	0.1	0.5	0.1	3.9
8	1.1	0.9	1.0	0.8	1.1	0.3	0.1	0.3	0.4	0.3	0.8	0.4	7.5
9	0.3	0.2	0.2	0.4	0.3	0.2	0.1	0.6	1.1	0.4	0.5	0.5	4.8
1950	0.5	0.1	0.4	0.7	0.3	0.2	0.6	0.7	0.5	0.5	0.3	0.4	5.2
1	0.1	0.3	0.2	0.3	0.5	0.1	0.7	0.3	0.7	1.1	0.3	0.2	4.8
2	0.2	0.7	0.6	0.3	0.1	0.1	0.1	0.1	0.2	0.6	0.2	0.4	3.6
3	0.4	0.5	0.5	0.3	0.7	0.1	0.1	0.3	0.3	0.5	0.1	0.2	4.0
4	0.0	0.6	0.3	0.6	0.7	0.4	0.0	0.3	0.2	0.3	0.3	0.2	3.9
5	0.3	0.3	0.5	0.4	0.0	0.4	0.3	0.4	0.7	1.0	0.3	0.3	4.9
6	0.0	0.1	0.8	0.5	0.3	0.2	0.3	0.1	0.2	0.3	0.4	0.3	3.5
7	0.2	0.8	0.6	0.5	0.3	0.0	0.4	0.3	0.3	0.3	0.5	0.6	4.8
8	0.6	0.4	0.4	0.5	0.1	0.2	0.6	0.8	0.5	1.0	0.6	0.1	5.8
9	0.1	0.3	0.5	0.1	0.2	0.6	0.4	0.6	0.1	0.3	0.1	0.2	3.5
1960	0.3	0.6	0.1	0.0	0.6	0.1	0.3	0.6	0.2	0.3	0.4	0.4	3.9
1	0.4	0.6	0.5	0.6	0.4	0.1	0.1	0.2	0.7	0.5	0.5	0.2	4.8
2	0.4	0.6	0.5	0.2	0.6	0.3	0.3	0.3	0.1	0.3	0.2	0.4	4.1
3	0.9	0.2	0.6	0.4	0.4	0.5	0.1	0.5	0.8	0.3	0.1	0.2	4.8
4	0.1	0.2	0.9	0.9	0.3	0.6	0.0	0.5	0.5	0.8	0.1	0.1	5.0
5	0.6	0.5	0.3	0.2	0.5	0.1	0.0	0.4	0.5	0.3	0.1	0.2	3.7
6	0.2	0.1	0.3	0.5	0.4	0.3	0.2	0.6	0.6	0.5	0.2	0.2	4.1
7	0.2	0.5	0.5	0.1	0.0	0.1	0.5	0.2	0.6	0.2	0.3	0.3	3.5
8	0.1	0.4	0.8	0.3	0.6	0.2	0.1	0.2	0.8	0.5	0.5	0.2	4.7
9	0.9	0.1	0.3	0.1	0.0	0.5	0.2	0.2	0.7	0.7	0.2	0.1	4.0
1970	0.2	0.2	0.2	0.2	0.0	0.1	0.2	0.6	0.5	0.6	0.2	0.2	3.2

TABLE F.27

MONTHLY AND ANNUAL PRECIPITATION IN KILO ACRE-FEET
OVER OSOYOOS LAKE

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	0.6	0.8	0.8	0.1	0.4	0.3	0.3	0.6	0.7	0.1	0.3	0.7	5.7
2	0.6	0.3	0.2	0.3	1.0	0.5	0.7	0.3	0.3	0.6	0.2	0.2	5.2
3	0.7	0.6	1.4	0.3	0.8	0.4	0.5	0.3	0.7	0.6	0.4	0.0	6.7
4	0.0	0.1	0.5	0.3	0.3	0.2	0.4	0.7	0.6	0.4	0.3	0.0	3.8
5	0.3	0.3	0.2	0.1	0.1	0.1	0.5	0.2	0.5	0.3	0.8	0.3	3.7
6	0.1	0.4	0.3	0.0	0.3	0.5	0.4	0.5	0.6	0.4	0.4	0.2	4.1
7	0.2	0.4	0.4	0.2	0.5	0.8	0.4	0.8	1.0	0.5	0.2	0.4	5.8
8	0.5	0.3	0.7	0.5	0.2	0.0	0.2	0.3	0.3	0.2	0.1	0.1	3.4
9	0.2	0.0	0.9	0.0	0.1	0.1	0.3	0.1	0.7	0.3	0.4	0.6	3.7
1930	0.6	0.2	0.6	0.2	0.3	0.4	0.4	0.5	0.1	0.5	0.1	0.3	4.2
1	0.0	0.1	0.8	0.1	0.1	0.7	0.3	0.3	0.8	0.5	0.1	1.0	4.8
2	0.4	0.2	0.0	0.1	0.1	0.1	0.2	1.0	0.5	0.9	0.6	0.2	4.3
3	0.0	0.6	0.2	0.1	0.1	0.4	0.6	0.3	0.9	0.2	0.1	0.2	3.7
4	0.1	0.5	0.1	0.1	0.9	0.4	0.3	0.8	0.5	0.4	0.2	0.2	4.5
5	0.1	0.2	0.7	0.5	0.2	0.4	0.4	0.2	0.2	0.4	0.4	0.1	3.8
6	0.4	0.6	1.6	0.7	0.1	0.3	0.1	0.1	0.1	0.7	1.0	0.5	6.2
7	0.6	0.2	1.0	0.3	0.3	0.5	0.2	1.2	0.8	0.3	1.1	0.3	6.8
8	0.1	0.1	0.4	0.3	0.3	0.7	0.5	0.2	0.4	0.4	0.4	0.4	4.2
9	0.1	0.2	0.7	0.1	0.1	0.1	0.4	0.3	0.9	0.4	0.7	0.4	4.9
1940	0.4	0.3	0.1	0.5	0.1	0.4	1.4	0.4	0.6	0.3	0.2	0.6	5.3
1	0.7	1.2	1.3	0.9	1.0	1.0	0.3	0.4	0.6	0.4	0.2	0.1	8.1
2	0.7	0.9	0.4	1.1	0.1	0.0	0.2	0.7	0.8	0.6	0.2	0.3	6.0
3	0.4	0.4	0.5	0.2	0.7	0.0	1.2	0.1	0.1	0.1	0.6	0.2	4.5
4	0.1	0.9	1.0	0.4	0.8	0.4	0.1	1.2	0.4	0.4	0.8	0.2	6.7
5	0.1	0.9	0.6	0.1	0.2	0.5	1.2	0.7	1.0	0.4	0.4	0.4	6.5
6	0.1	0.4	0.7	0.2	0.0	0.4	0.3	0.5	0.6	0.3	0.3	0.5	4.3
7	0.2	0.1	1.1	0.8	0.1	0.3	0.6	0.2	0.4	0.4	0.3	0.3	4.8
8	1.4	0.8	1.2	1.0	1.1	0.3	0.2	0.4	0.7	0.4	0.7	0.4	8.6
9	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.9	0.8	0.6	0.5	1.0	5.6
1950	0.6	0.2	0.6	1.0	0.3	0.2	1.1	1.0	0.7	0.7	0.3	1.0	7.7
1	0.3	0.4	0.2	0.6	1.0	0.1	1.1	0.7	0.9	2.1	0.3	0.4	8.1
2	0.3	0.5	0.8	0.2	0.1	0.1	0.2	0.1	0.6	0.8	0.2	0.4	4.3
3	0.5	0.6	0.8	0.1	1.7	0.1	0.3	0.4	0.3	1.1	0.3	0.4	6.6
4	0.0	1.0	0.7	0.4	1.0	0.5	0.1	0.6	0.4	0.4	0.3	0.3	5.7
5	0.4	0.5	0.6	0.7	0.0	0.5	0.5	0.7	1.3	1.7	0.5	0.5	7.9
6	0.1	0.2	1.3	1.0	0.3	0.2	0.7	0.2	0.2	0.8	0.5	0.5	6.0
7	0.3	1.3	0.3	0.4	0.6	0.1	0.8	0.3	0.7	0.7	1.1	0.8	7.4
8	0.6	0.3	1.2	0.4	0.1	0.3	0.4	1.1	0.7	1.7	0.6	0.3	7.7
9	0.1	0.5	0.4	0.1	0.3	0.7	0.2	0.4	0.4	0.4	0.5	0.3	4.3
1960	0.3	0.7	0.2	0.0	0.9	0.2	0.1	0.9	0.5	0.3	0.9	0.6	5.6
1	0.2	1.2	0.8	0.9	0.6	0.0	0.3	0.2	0.9	0.3	0.2	0.2	5.8
2	0.3	0.7	0.2	0.1	0.4	0.1	0.5	0.6	0.3	0.3	0.2	0.5	4.2
3	1.1	0.3	0.9	0.4	0.1	0.4	0.1	1.0	1.4	1.0	0.1	0.3	7.1
4	0.1	0.1	0.7	0.4	0.7	0.2	0.1	0.9	0.8	1.7	0.2	0.1	6.0
5	0.6	0.3	0.5	0.2	0.8	0.1	0.0	0.4	1.4	0.8	0.2	0.6	5.9
6	0.2	0.1	0.3	0.3	0.6	1.2	0.3	0.9	1.4	0.8	0.1	0.9	7.1
7	0.3	0.2	1.0	0.1	0.0	0.1	0.8	0.2	1.3	0.9	0.5	0.4	5.8
8	0.1	1.0	0.4	0.4	1.3	0.1	0.2	0.3	1.4	1.6	1.2	0.1	8.1
9	0.9	0.5	0.3	0.1	0.0	0.6	0.3	0.2	1.6	1.2	0.3	0.2	6.2
1970	0.1	0.2	0.4	0.2	0.3	0.2	0.5	1.0	1.3	1.3	0.4	0.3	6.2

TABLE F.28

MONTHLY AND ANNUAL PRECIPITATION IN KILO ACRE-FEET
OVER KALAMALKA-WOOD LAKE

PERIOD: CLIMATIC YEAR (APRIL-MARCH) 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	0.5	0.5	1.5	0.2	0.8	0.7	0.4	1.5	0.7	1.0	0.9	1.1	9.8
2	0.5	0.4	0.1	0.2	1.1	1.0	1.2	0.3	1.1	0.8	0.4	0.3	7.4
3	0.4	0.8	3.3	1.2	0.6	0.3	0.6	0.6	0.9	0.8	0.4	0.4	10.3
4	0.3	0.2	0.9	0.4	0.8	0.5	0.8	0.5	2.8	2.3	0.7	0.6	10.8
5	0.4	0.5	0.8	0.1	0.6	0.4	0.6	0.4	1.5	1.3	0.8	0.3	7.7
6	0.4	1.0	0.8	0.1	1.2	0.8	0.8	1.1	1.4	1.0	0.7	0.3	9.6
7	0.3	1.2	0.8	1.0	1.7	2.4	1.2	1.7	1.9	1.0	0.0	0.8	14.0
8	1.2	0.7	1.6	1.1	0.2	0.1	0.5	0.5	0.4	1.5	0.3	0.5	8.6
9	0.7	0.4	1.3	0.0	1.0	0.3	0.6	0.5	1.5	0.7	0.8	0.5	8.3
1930	0.6	1.1	0.6	0.1	0.4	0.4	0.8	0.5	0.3	0.7	0.4	0.7	6.6
1	0.6	0.5	1.5	0.2	0.3	1.0	1.1	0.9	1.5	0.9	0.3	1.2	10.0
2	1.0	0.8	0.6	0.5	1.7	0.7	0.9	2.0	0.8	0.6	0.8	1.1	11.5
3	0.1	0.7	0.6	0.4	0.4	1.8	2.8	0.8	2.5	0.9	0.1	1.3	12.4
4	0.2	0.8	0.3	0.4	0.4	2.0	0.7	1.2	1.7	1.7	0.4	0.8	10.6
5	0.3	0.5	1.7	1.8	0.6	0.2	1.2	0.5	0.6	1.3	1.7	0.5	10.9
6	0.6	1.0	1.8	0.9	0.8	0.6	0.3	0.3	1.6	2.1	2.2	0.6	12.8
7	0.6	0.6	1.3	0.5	0.3	0.7	0.6	3.0	1.2	0.6	1.2	0.3	10.9
8	0.2	0.2	0.3	0.5	0.6	0.9	0.8	0.4	2.1	1.7	0.3	0.4	8.4
9	0.1	1.1	1.6	0.3	0.1	0.3	0.7	0.3	1.2	0.5	0.9	1.0	8.1
1940	0.5	1.0	0.2	0.8	0.2	0.6	1.3	1.0	1.2	1.0	0.6	0.3	8.7
1	0.7	1.3	1.7	0.4	1.0	1.8	0.6	0.7	1.0	0.2	0.4	0.3	10.1
2	0.6	2.3	1.7	2.6	0.7	0.2	0.6	0.6	1.4	1.1	0.5	0.4	12.7
3	0.4	0.6	0.5	0.6	0.7	0.3	1.2	0.2	0.7	0.8	1.3	0.4	7.7
4	0.8	1.3	1.0	0.6	0.6	1.6	0.8	1.5	1.1	1.7	1.0	0.6	12.6
5	0.3	0.9	0.6	0.6	0.2	1.2	2.0	1.0	0.9	1.3	0.7	0.4	10.1
6	0.6	1.3	1.4	0.2	0.3	0.5	0.9	0.9	0.5	0.7	0.8	0.4	8.5
7	0.3	0.2	1.6	1.3	0.5	0.5	1.7	0.8	0.9	0.3	1.3	0.3	9.7
8	1.9	1.5	1.3	1.5	2.3	0.5	0.4	1.5	0.7	0.8	1.1	0.5	14.0
9	0.5	0.9	0.5	0.9	1.2	0.6	0.4	0.5	2.1	0.6	0.7	1.1	10.0
1950	0.9	0.5	0.4	0.9	0.9	0.4	1.2	1.1	2.1	1.8	1.9	1.3	13.4
1	0.3	0.7	0.5	0.7	0.8	0.5	1.9	0.6	1.9	1.1	0.7	0.5	10.2
2	0.3	0.8	1.0	0.4	0.2	0.2	0.1	0.1	0.8	1.9	0.8	0.6	7.2
3	1.0	0.5	2.7	1.0	2.1	0.5	0.5	0.9	1.1	2.0	0.3	0.5	13.1
4	0.2	1.5	1.0	1.1	1.8	0.9	0.2	1.2	0.6	0.7	0.6	0.4	10.2
5	0.3	0.5	1.4	1.4	0.2	0.6	1.0	1.4	2.0	1.0	0.6	0.7	11.1
6	0.2	0.8	1.4	0.3	0.6	1.2	0.6	0.4	1.9	1.5	0.4	1.0	10.3
7	0.4	1.1	1.1	0.5	1.3	0.1	0.7	0.6	0.4	1.0	1.2	0.5	8.9
8	0.8	0.5	1.0	0.1	0.2	0.8	1.4	1.4	1.3	1.4	0.8	0.6	10.3
9	0.2	1.4	1.0	0.3	0.6	2.1	1.2	0.9	0.3	0.8	0.7	0.6	10.1
1960	0.3	1.2	0.5	0.1	1.1	0.3	0.5	0.9	0.9	0.4	1.0	0.5	7.7
1	0.8	1.5	1.2	1.3	0.9	0.4	0.6	0.8	1.5	1.6	0.8	0.5	11.9
2	0.3	0.7	0.8	0.6	0.8	0.7	0.8	0.8	0.5	0.5	0.5	0.8	7.8
3	1.3	0.4	1.2	1.0	1.3	1.2	0.4	1.1	1.5	1.1	0.4	0.5	11.4
4	0.2	0.3	1.7	1.8	1.8	1.9	0.1	1.2	1.2	1.6	0.8	0.0	12.6
5	0.6	0.6	0.5	0.7	1.7	0.6	0.3	0.9	1.4	1.5	0.3	0.4	9.5
6	0.7	0.5	0.5	1.4	0.7	0.4	0.7	1.1	1.4	1.2	0.3	0.5	9.4
7	0.5	0.3	0.8	0.3	0.2	0.5	1.7	0.9	1.7	0.7	0.7	0.7	9.0
8	0.3	1.0	1.7	0.5	1.5	1.4	0.7	0.8	1.8	1.4	0.4	0.4	11.9
9	1.4	0.5	1.0	0.5	0.1	2.7	0.5	0.7	1.2	1.7	0.3	0.5	11.1
1970	0.2	0.5	0.4	0.9	0.3	0.9	0.8	1.1	1.0	1.7	1.7	0.7	10.2

TABLE F.29

MONTHLY AND ANNUAL HISTORIC TRIBUTARY HEADWATER STORAGE CHANGES IN KILO ACRE-FEET, OKANAGAN LAKE BASIN

PERIOD: CLIMATIC (APRIL-MARCH) YEAR 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	6.3	9.4	0.0	-5.0	-5.7	-5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	5.7	8.4	0.0	-4.5	-5.1	-4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	6.8	10.1	0.0	-5.4	-6.1	-5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	3.2	4.6	0.0	-2.5	-2.8	-2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	5.0	7.5	0.0	-4.0	-4.5	-4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	3.0	4.5	0.0	-2.4	-2.7	-2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	7.8	11.6	0.0	-6.2	-7.0	-6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	8.0	12.0	0.0	-6.4	-7.2	-6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	3.4	5.2	0.0	-2.8	-3.0	-2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1930	3.4	5.1	0.0	-2.7	-3.1	-2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	3.5	5.3	0.0	-2.8	-3.2	-2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	9.0	13.5	0.0	-7.2	-8.1	-7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	9.3	13.8	0.0	-7.4	-8.3	-7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	9.5	14.3	0.0	-7.6	-8.6	-7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	9.8	14.6	0.0	-7.8	-8.8	-7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	9.8	14.8	0.0	-7.9	-8.8	-7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	10.3	15.3	0.0	-8.2	-9.2	-8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	8.2	12.3	0.0	-6.6	-7.3	-6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	6.1	9.2	0.0	-4.9	-5.5	-4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1940	5.0	7.5	0.0	-4.0	-4.5	-4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	9.7	14.4	0.0	-7.7	-8.7	-7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	11.2	16.7	0.0	-8.9	-10.1	-8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	7.1	10.6	0.0	-5.7	-6.3	-5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	8.5	12.7	0.0	-6.8	-7.6	-6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	11.5	17.3	0.0	-9.2	-10.4	-9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	11.6	17.4	0.0	-9.3	-10.4	-9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	6.3	9.5	0.0	-5.1	-5.6	-5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	11.7	17.6	0.0	-9.4	-10.5	-9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	11.8	17.6	0.0	-9.4	-10.6	-9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1950	11.8	17.6	0.0	-9.4	-10.6	-9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	11.8	17.6	0.0	-9.4	-10.6	-9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	11.8	17.6	0.0	-9.4	-10.6	-9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	11.4	17.1	0.0	-9.1	-10.3	-9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	11.8	17.6	0.0	-9.4	-10.6	-9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	11.8	17.6	0.0	-9.4	-10.6	-9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	11.8	17.6	0.0	-9.4	-10.6	-9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	11.8	17.6	0.0	-9.4	-10.6	-9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	11.7	17.6	0.0	-9.4	-10.5	-9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	12.0	18.0	0.0	-9.6	-10.8	-9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1960	10.5	15.7	0.0	-8.4	-9.4	-8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	9.8	14.6	0.0	-7.8	-8.8	-7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	9.7	14.6	0.0	-7.8	-8.7	-7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	7.8	11.6	0.0	-6.2	-7.0	-6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	13.7	20.6	0.0	-11.0	-12.3	-11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	14.3	21.4	0.0	-11.4	-12.9	-11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	8.1	12.1	0.0	-6.5	-7.2	-6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	11.8	17.6	0.0	-9.4	-10.6	-9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	15.8	23.6	0.0	-12.6	-14.2	-12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	16.1	24.2	0.0	-12.9	-14.5	-12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1970	6.7	10.1	0.0	-5.4	-6.0	-5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE F.30

MONTHLY AND ANNUAL HISTORIC CONSUMPTIVE USES IN KILO ACRE-FEET, OKANAGAN LAKE BASIN

PERIOD: CLIMATIC (APRIL-MARCH) YEAR 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	-1.2	5.5	10.1	9.8	10.1	2.3	-2.3	-1.2	-1.2	-1.2	-1.2	-0.9	28.6
2	-1.0	5.0	9.1	8.9	9.1	2.1	-2.1	-1.0	-1.0	-1.0	-1.0	-0.8	26.3
3	-1.2	5.9	10.9	10.6	10.9	2.5	-2.5	-1.2	-1.2	-1.2	-1.2	-0.9	31.4
4	-0.6	2.8	5.1	4.9	5.1	1.2	-1.2	-0.6	-0.6	-0.6	-0.6	-0.4	14.5
5	-0.9	4.4	8.0	7.8	8.0	1.8	-1.8	-0.9	-0.9	-0.9	-0.9	-0.7	23.0
6	-0.6	2.7	4.9	4.7	4.9	1.1	-1.1	-0.6	-0.6	-0.6	-0.6	-0.4	13.8
7	-1.4	6.8	12.5	12.2	12.5	2.9	-2.9	-1.4	-1.4	-1.4	-1.4	-1.1	35.9
8	-1.5	7.0	12.9	12.5	12.9	3.0	-3.0	-1.5	-1.5	-1.5	-1.5	-1.1	36.7
9	-0.6	3.0	5.5	5.4	5.5	1.3	-1.3	-0.6	-0.6	-0.6	-0.6	-0.5	15.9
1930	-0.6	3.0	5.5	5.3	5.5	1.3	-1.3	-0.6	-0.6	-0.6	-0.6	-0.5	15.8
1	-0.6	3.1	5.6	5.5	5.6	1.3	-1.3	-0.6	-0.6	-0.6	-0.6	-0.5	16.3
2	-1.7	7.9	14.5	14.1	14.5	3.3	-3.3	-1.7	-1.7	-1.7	-1.7	-1.2	41.3
3	-1.7	8.1	14.9	14.5	14.9	3.4	-3.4	-1.7	-1.7	-1.7	-1.7	-1.3	42.6
4	-1.7	8.3	15.3	14.9	15.3	3.5	-3.5	-1.7	-1.7	-1.7	-1.7	-1.3	44.0
5	-1.8	8.5	15.7	15.3	15.7	3.6	-3.6	-1.8	-1.8	-1.8	-1.8	-1.3	44.9
6	-1.8	8.6	15.8	15.4	15.8	3.6	-3.6	-1.8	-1.8	-1.8	-1.8	-1.4	45.2
7	-1.9	9.0	16.5	16.0	16.5	3.8	-3.8	-1.9	-1.9	-1.9	-1.9	-1.4	47.1
8	-1.5	7.2	13.2	12.8	13.2	3.0	-3.0	-1.5	-1.5	-1.5	-1.5	-1.1	37.8
9	-1.1	5.3	9.8	9.5	9.8	2.2	-2.2	-1.1	-1.1	-1.1	-1.1	-0.8	28.1
1940	-0.9	4.4	8.0	7.8	8.0	1.8	-1.8	-0.9	-0.9	-0.9	-0.9	-0.7	23.0
1	-1.8	8.4	15.5	15.1	15.5	3.5	-3.5	-1.8	-1.8	-1.8	-1.8	-1.3	44.2
2	-2.1	9.7	17.9	17.4	17.9	4.1	-4.1	-2.1	-2.1	-2.1	-2.1	-1.5	50.9
3	-1.3	6.2	11.4	11.0	11.4	2.6	-2.6	-1.3	-1.3	-1.3	-1.3	-1.0	32.5
4	-1.6	7.4	13.6	13.2	13.6	3.1	-3.1	-1.6	-1.6	-1.6	-1.6	-1.2	38.6
5	-2.1	10.0	18.5	18.0	18.5	4.2	-4.2	-2.1	-2.1	-2.1	-2.1	-1.6	52.9
6	-2.1	10.1	18.6	18.1	18.6	4.3	-4.3	-2.1	-2.1	-2.1	-2.1	-1.6	53.3
7	-1.2	5.5	10.2	9.9	10.2	2.3	-2.3	-1.2	-1.2	-1.2	-1.2	-0.9	28.9
8	-2.1	10.2	18.8	18.3	18.8	4.3	-4.3	-2.1	-2.1	-2.1	-2.1	-1.6	54.0
9	-2.2	10.3	18.9	18.4	18.9	4.3	-4.3	-2.2	-2.2	-2.2	-2.2	-1.6	53.9
1950	-2.2	10.3	18.9	18.4	18.9	4.3	-4.3	-2.2	-2.2	-2.2	-2.2	-1.6	53.9
1	-2.2	10.3	18.9	18.4	18.9	4.3	-4.3	-2.2	-2.2	-2.2	-2.2	-1.6	53.9
2	-2.2	10.3	18.9	18.4	18.9	4.3	-4.3	-2.2	-2.2	-2.2	-2.2	-1.6	53.9
3	-2.1	9.9	18.3	17.8	18.3	4.2	-4.2	-2.1	-2.1	-2.1	-2.1	-1.6	52.2
4	-2.2	10.3	18.9	18.4	18.9	4.3	-4.3	-2.2	-2.2	-2.2	-2.2	-1.6	53.9
5	-2.2	10.3	18.9	18.4	18.9	4.3	-4.3	-2.2	-2.2	-2.2	-2.2	-1.6	53.9
6	-2.2	10.3	18.9	18.4	18.9	4.3	-4.3	-2.2	-2.2	-2.2	-2.2	-1.6	53.9
7	-2.2	10.3	18.9	18.4	18.9	4.3	-4.3	-2.2	-2.2	-2.2	-2.2	-1.6	53.9
8	-2.1	10.2	18.8	18.3	18.8	4.3	-4.3	-2.1	-2.1	-2.1	-2.1	-1.6	54.0
9	-2.2	10.5	19.3	18.7	19.3	4.4	-4.4	-2.2	-2.2	-2.2	-2.2	-1.7	55.1
1960	-1.9	9.1	16.8	16.4	16.8	3.8	-3.8	-1.9	-1.9	-1.9	-1.9	-1.4	48.2
1	-1.8	8.5	15.7	15.3	15.7	3.6	-3.6	-1.8	-1.8	-1.8	-1.8	-1.3	44.9
2	-1.8	8.5	15.7	15.2	15.7	3.6	-3.6	-1.8	-1.8	-1.8	-1.8	-1.3	44.8
3	-1.4	6.8	12.5	12.1	12.5	2.9	-2.9	-1.4	-1.4	-1.4	-1.4	-1.1	35.8
4	-2.5	12.0	22.0	21.4	22.0	5.0	-5.0	-2.5	-2.5	-2.5	-2.5	-1.9	63.0
5	-2.6	12.5	23.0	22.3	23.0	5.3	-5.3	-2.6	-2.6	-2.6	-2.6	-2.0	65.8
6	-1.5	7.0	13.0	12.6	13.0	3.0	-3.0	-1.5	-1.5	-1.5	-1.5	-1.1	37.0
7	-2.2	10.3	18.9	18.4	18.9	4.3	-4.3	-2.2	-2.2	-2.2	-2.2	-1.6	53.9
8	-2.9	13.8	25.4	24.7	25.4	5.8	-5.8	-2.9	-2.9	-2.9	-2.9	-2.2	72.6
9	-3.0	14.1	25.9	25.2	25.9	5.9	-5.9	-3.0	-3.0	-3.0	-3.0	-2.2	73.9
1970	-1.2	5.9	10.8	10.5	10.8	2.5	-2.5	-1.2	-1.2	-1.2	-1.2	-0.9	31.1

TABLE F.31

MONTHLY AND ANNUAL HISTORIC CONSUMPTIVE USES IN KILO ACRE-FEET, OKANAGAN RIVER BETWEEN PENTICTON AND OKANAGAN FALLS

PERIOD: CLIMATIC (APRIL-MARCH) YEAR 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	-0.1	0.6	1.2	1.2	1.2	0.3	-0.3	-0.2	-0.2	-0.1	-0.1	-0.1	3.4
2	-0.1	0.7	1.3	1.2	1.3	0.3	-0.3	-0.2	-0.2	-0.1	-0.1	-0.1	3.7
3	-0.1	0.7	1.3	1.3	1.3	0.3	-0.3	-0.2	-0.2	-0.1	-0.1	-0.1	3.8
4	-0.1	0.7	1.4	1.3	1.4	0.3	-0.3	-0.2	-0.2	-0.1	-0.1	-0.1	4.0
5	-0.1	0.7	1.4	1.4	1.4	0.3	-0.3	-0.2	-0.2	-0.1	-0.1	-0.1	4.1
6	-0.2	0.8	1.4	1.4	1.4	0.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.1	3.9
7	-0.2	0.8	1.5	1.5	1.5	0.3	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	4.1
8	-0.2	0.8	1.5	1.5	1.5	0.4	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	4.2
9	-0.2	0.8	1.6	1.5	1.6	0.4	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	4.4
1930	-0.2	0.9	1.6	1.6	1.6	0.4	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	4.6
1	-0.2	0.9	1.7	1.6	1.7	0.4	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	4.8
2	-0.2	0.9	1.7	1.7	1.7	0.4	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	4.9
3	-0.2	0.9	1.8	1.7	1.8	0.4	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	5.1
4	-0.2	1.0	1.8	1.8	1.8	0.4	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	5.3
5	-0.2	1.0	1.9	1.8	1.9	0.4	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	5.5
6	-0.2	1.0	1.9	1.9	1.9	0.4	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	5.2
7	-0.2	1.0	2.0	1.9	2.0	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	5.5
8	-0.2	1.1	2.0	2.0	2.0	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	5.7
9	-0.2	1.1	2.0	2.0	2.0	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	5.7
1940	-0.2	1.1	2.1	2.0	2.1	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	5.9
1	-0.2	1.1	2.1	2.0	2.1	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	5.9
2	-0.2	1.1	2.1	2.1	2.1	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.0
3	-0.2	1.1	2.1	2.1	2.1	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.0
4	-0.2	1.1	2.2	2.1	2.2	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.2
5	-0.2	1.2	2.2	2.1	2.2	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.3
6	-0.2	1.2	2.2	2.1	2.2	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.3
7	-0.2	1.2	2.2	2.2	2.2	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.4
8	-0.2	1.2	2.2	2.2	2.2	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.4
9	-0.2	1.2	2.2	2.2	2.2	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.4
1950	-0.2	1.2	2.2	2.2	2.2	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.4
1	-0.2	1.2	2.2	2.2	2.2	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.4
2	-0.2	1.2	2.2	2.2	2.2	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.4
3	-0.2	1.2	2.2	2.2	2.2	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.4
4	-0.2	1.2	2.2	2.2	2.2	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.4
5	-0.2	1.2	2.2	2.2	2.2	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.4
6	-0.2	1.2	2.2	2.2	2.2	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.4
7	-0.2	1.2	2.2	2.2	2.2	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.4
8	-0.2	1.2	2.3	2.3	2.3	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.7
9	-0.3	1.3	2.4	2.3	2.4	0.6	-0.6	-0.3	-0.3	-0.3	-0.3	-0.2	6.7
1960	-0.3	1.3	2.4	2.4	2.4	0.6	-0.6	-0.3	-0.3	-0.3	-0.3	-0.2	6.8
1	-0.3	1.3	2.5	2.5	2.5	0.6	-0.6	-0.3	-0.3	-0.3	-0.3	-0.2	7.1
2	-0.3	1.4	2.6	2.5	2.6	0.6	-0.6	-0.3	-0.3	-0.3	-0.3	-0.2	7.4
3	-0.3	1.4	2.7	2.6	2.7	0.6	-0.6	-0.3	-0.3	-0.3	-0.3	-0.2	7.7
4	-0.3	1.5	2.7	2.7	2.7	0.6	-0.6	-0.4	-0.4	-0.3	-0.3	-0.2	7.7
5	-0.3	1.5	2.8	2.7	2.8	0.6	-0.7	-0.4	-0.4	-0.3	-0.3	-0.2	7.8
6	-0.3	1.5	2.8	2.8	2.8	0.7	-0.7	-0.4	-0.4	-0.3	-0.3	-0.2	8.0
7	-0.3	1.5	2.8	2.8	2.8	0.7	-0.7	-0.4	-0.4	-0.3	-0.3	-0.2	8.0
8	-0.3	1.5	2.8	2.8	2.8	0.7	-0.7	-0.4	-0.4	-0.3	-0.3	-0.2	8.0
9	-0.3	1.5	2.8	2.8	2.8	0.7	-0.7	-0.4	-0.4	-0.3	-0.3	-0.2	8.0
1970	-0.3	1.5	2.8	2.8	2.8	0.7	-0.7	-0.4	-0.4	-0.3	-0.3	-0.2	8.0

TABLE F.32

MONTHLY AND ANNUAL HISTORIC CONSUMPTIVE USES IN KILO ACRE-FEET,
OKANAGAN RIVER BETWEEN OKANAGAN FALLS AND HYDROMETRIC STATION NEAR OLIVER
PERIOD: CLIMATIC (APRIL-MARCH) YEAR 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	-0.1	0.7	1.3	1.3	1.3	0.3	-0.3	-0.2	-0.2	-0.1	-0.1	-0.1	3.8
2	-0.1	0.7	1.3	1.3	1.3	0.3	-0.3	-0.2	-0.2	-0.1	-0.1	-0.1	3.8
3	-0.1	0.7	1.4	1.4	1.4	0.3	-0.3	-0.2	-0.2	-0.1	-0.1	-0.1	4.1
4	-0.2	0.8	1.4	1.4	1.4	0.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.1	3.9
5	-0.2	0.8	1.5	1.4	1.5	0.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.1	4.1
6	-0.2	0.8	1.5	1.5	1.5	0.4	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	4.2
7	-0.2	0.8	1.6	1.5	1.6	0.4	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	4.4
8	-0.2	0.9	1.6	1.6	1.6	0.4	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	4.6
9	-0.2	0.9	1.7	1.6	1.7	0.4	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	4.8
1930	-0.2	0.9	1.7	1.7	1.7	0.4	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	4.9
1	-0.2	1.0	1.8	1.7	1.8	0.4	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	5.2
2	-0.2	1.0	1.8	1.8	1.8	0.4	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	5.3
3	-0.2	1.0	1.9	1.8	1.9	0.4	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	5.5
4	-0.2	1.0	1.9	1.9	1.9	0.4	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	5.2
5	-0.2	1.1	2.0	1.9	2.0	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	5.6
6	-0.2	1.1	2.0	2.0	2.0	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	5.7
7	-0.2	1.1	2.1	2.0	2.1	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	5.9
8	-0.2	1.1	2.1	2.1	2.1	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.0
9	-0.2	1.2	2.2	2.1	2.2	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.3
1940	-0.2	1.2	2.2	2.1	2.2	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.3
1	-0.2	1.2	2.2	2.2	2.2	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.4
2	-0.2	1.2	2.2	2.2	2.2	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.4
3	-0.2	1.2	2.3	2.2	2.3	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.6
4	-0.2	1.2	2.3	2.2	2.3	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.6
5	-0.2	1.2	2.3	2.2	2.3	0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	6.6
6	-0.2	1.2	2.3	2.3	2.3	0.5	-0.6	-0.3	-0.3	-0.2	-0.2	-0.2	6.6
7	-0.2	1.3	2.4	2.3	2.4	0.5	-0.6	-0.3	-0.3	-0.2	-0.2	-0.2	6.9
8	-0.2	1.3	2.4	2.3	2.4	0.6	-0.6	-0.3	-0.3	-0.2	-0.2	-0.2	7.0
9	-0.3	1.3	2.4	2.3	2.4	0.6	-0.6	-0.3	-0.3	-0.3	-0.3	-0.2	6.7
1950	-0.3	1.3	2.4	2.3	2.4	0.6	-0.6	-0.3	-0.3	-0.3	-0.3	-0.2	6.7
1	-0.3	1.3	2.4	2.3	2.4	0.6	-0.6	-0.3	-0.3	-0.3	-0.3	-0.2	6.7
2	-0.3	1.3	2.4	2.3	2.4	0.6	-0.6	-0.3	-0.3	-0.3	-0.3	-0.2	6.7
3	-0.3	1.3	2.4	2.3	2.4	0.6	-0.6	-0.3	-0.3	-0.3	-0.3	-0.2	6.7
4	-0.3	1.3	2.4	2.3	2.4	0.6	-0.6	-0.3	-0.3	-0.3	-0.3	-0.2	6.7
5	-0.3	1.3	2.4	2.3	2.4	0.6	-0.6	-0.3	-0.3	-0.3	-0.3	-0.2	6.7
6	-0.3	1.3	2.4	2.3	2.4	0.6	-0.6	-0.3	-0.3	-0.3	-0.3	-0.2	6.7
7	-0.3	1.3	2.4	2.3	2.4	0.6	-0.6	-0.3	-0.3	-0.3	-0.3	-0.2	6.7
8	-0.3	1.3	2.5	2.4	2.5	0.6	-0.6	-0.3	-0.3	-0.3	-0.3	-0.2	7.0
9	-0.3	1.4	2.5	2.5	2.5	0.6	-0.6	-0.3	-0.3	-0.3	-0.3	-0.2	7.2
1960	-0.3	1.4	2.6	2.5	2.6	0.6	-0.6	-0.3	-0.3	-0.3	-0.3	-0.2	7.4
1	-0.3	1.4	2.7	2.6	2.7	0.6	-0.6	-0.4	-0.4	-0.3	-0.3	-0.2	7.5
2	-0.3	1.5	2.8	2.7	2.8	0.6	-0.7	-0.4	-0.4	-0.3	-0.3	-0.2	7.8
3	-0.3	1.5	2.8	2.7	2.8	0.7	-0.7	-0.4	-0.4	-0.3	-0.3	-0.2	7.9
4	-0.3	1.5	2.9	2.8	2.9	0.7	-0.7	-0.4	-0.4	-0.3	-0.3	-0.2	8.2
5	-0.3	1.6	3.0	2.9	3.0	0.7	-0.7	-0.4	-0.4	-0.3	-0.3	-0.2	8.6
6	-0.3	1.6	3.0	3.0	3.0	0.7	-0.7	-0.4	-0.4	-0.3	-0.3	-0.2	8.7
7	-0.3	1.6	3.0	3.0	3.0	0.7	-0.7	-0.4	-0.4	-0.3	-0.3	-0.2	8.7
8	-0.3	1.6	3.0	3.0	3.0	0.7	-0.7	-0.4	-0.4	-0.3	-0.3	-0.2	8.7
9	-0.3	1.6	3.0	3.0	3.0	0.7	-0.7	-0.4	-0.4	-0.3	-0.3	-0.2	8.7
1970	-0.3	1.6	3.0	3.0	3.0	0.7	-0.7	-0.4	-0.4	-0.3	-0.3	-0.2	8.7

TABLE F.33

MONTHLY AND ANNUAL HISTORIC CONSUMPTIVE USES IN KILO ACRE-FEET,
OKANAGAN RIVER BETWEEN HYDROMETRIC STATION NEAR OLIVER, B.C. AND OROVILLE, WASH.
PERIOD: CLIMATIC (APRIL-MARCH) YEAR 1921-1970

CLIMATIC YEAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1921	-0.3	1.7	3.2	3.1	3.2	0.7	-0.8	-0.4	-0.4	-0.3	-0.3	-0.3	9.1
2	-0.3	1.8	3.3	3.2	3.3	0.8	-0.8	-0.4	-0.4	-0.3	-0.3	-0.3	9.6
3	-0.4	1.8	3.4	3.4	3.4	0.8	-0.8	-0.5	-0.5	-0.4	-0.4	-0.3	9.5
4	-0.4	1.9	3.6	3.5	3.6	0.8	-0.8	-0.5	-0.5	-0.4	-0.4	-0.3	10.1
5	-0.4	2.0	3.7	3.6	3.7	0.9	-0.9	-0.5	-0.5	-0.4	-0.4	-0.3	10.5
6	-0.4	2.0	3.8	3.7	3.8	0.9	-0.9	-0.5	-0.5	-0.4	-0.4	-0.3	10.8
7	-0.4	2.1	4.0	3.9	4.0	0.9	-0.9	-0.5	-0.5	-0.4	-0.4	-0.3	11.5
8	-0.4	2.2	4.1	4.0	4.1	1.0	-1.0	-0.5	-0.5	-0.4	-0.4	-0.3	11.9
9	-0.4	2.2	4.2	4.1	4.2	1.0	-1.0	-0.6	-0.6	-0.4	-0.4	-0.3	12.0
1930	-0.5	2.3	4.3	4.2	4.3	1.0	-1.0	-0.6	-0.6	-0.5	-0.5	-0.3	12.1
1	-0.5	2.4	4.5	4.3	4.5	1.0	-1.1	-0.6	-0.6	-0.5	-0.5	-0.4	12.5
2	-0.5	2.4	4.6	4.5	4.6	1.1	-1.1	-0.6	-0.6	-0.5	-0.5	-0.4	13.0
3	-0.5	2.5	4.7	4.6	4.7	1.1	-1.1	-0.6	-0.6	-0.5	-0.5	-0.4	13.4
4	-0.5	2.6	4.8	4.7	4.8	1.1	-1.1	-0.6	-0.6	-0.5	-0.5	-0.4	13.8
5	-0.5	2.6	5.0	4.8	5.0	1.2	-1.2	-0.7	-0.7	-0.5	-0.5	-0.4	14.1
6	-0.5	2.7	5.1	5.0	5.1	1.2	-1.2	-0.7	-0.7	-0.5	-0.5	-0.4	14.6
7	-0.5	2.8	5.2	5.1	5.2	1.2	-1.2	-0.7	-0.7	-0.5	-0.5	-0.4	15.0
8	-0.6	2.8	5.3	5.2	5.3	1.2	-1.3	-0.7	-0.7	-0.6	-0.6	-0.4	14.9
9	-0.6	2.9	5.5	5.3	5.5	1.3	-1.3	-0.7	-0.7	-0.6	-0.6	-0.4	15.6
1940	-0.6	2.9	5.5	5.4	5.5	1.3	-1.3	-0.7	-0.7	-0.6	-0.6	-0.4	15.7
1	-0.6	3.0	5.6	5.5	5.6	1.3	-1.3	-0.7	-0.7	-0.6	-0.6	-0.4	16.1
2	-0.6	3.0	5.7	5.5	5.7	1.3	-1.3	-0.7	-0.7	-0.6	-0.6	-0.4	16.3
3	-0.6	3.1	5.8	5.6	5.8	1.3	-1.4	-0.8	-0.8	-0.6	-0.6	-0.5	16.3
4	-0.6	3.1	5.8	5.7	5.8	1.4	-1.4	-0.8	-0.8	-0.6	-0.6	-0.5	16.5
5	-0.6	3.1	5.9	5.7	5.9	1.4	-1.4	-0.8	-0.8	-0.6	-0.6	-0.5	16.7
6	-0.6	3.1	5.9	5.7	5.9	1.4	-1.4	-0.8	-0.8	-0.6	-0.6	-0.5	16.7
7	-0.6	3.1	5.9	5.8	5.9	1.4	-1.4	-0.8	-0.8	-0.6	-0.6	-0.5	16.8
8	-0.6	3.2	5.9	5.8	5.9	1.4	-1.4	-0.8	-0.8	-0.6	-0.6	-0.5	16.9
9	-0.6	3.2	6.0	5.8	6.0	1.4	-1.4	-0.8	-0.8	-0.6	-0.6	-0.5	17.1
1950	-0.6	3.2	6.0	5.8	6.0	1.4	-1.4	-0.8	-0.8	-0.6	-0.6	-0.5	17.1
1	-0.6	3.2	6.0	5.8	6.0	1.4	-1.4	-0.8	-0.8	-0.6	-0.6	-0.5	17.1
2	-0.6	3.2	6.0	5.8	6.0	1.4	-1.4	-0.8	-0.8	-0.6	-0.6	-0.5	17.1
3	-0.6	3.2	6.0	5.8	6.0	1.4	-1.4	-0.8	-0.8	-0.6	-0.6	-0.5	17.1
4	-0.6	3.2	6.0	5.8	6.0	1.4	-1.4	-0.8	-0.8	-0.6	-0.6	-0.5	17.1
5	-0.6	3.2	6.0	5.8	6.0	1.4	-1.4	-0.8	-0.8	-0.6	-0.6	-0.5	17.1
6	-0.6	3.2	6.0	5.8	6.0	1.4	-1.4	-0.8	-0.8	-0.6	-0.6	-0.5	17.1
7	-0.6	3.2	6.0	5.8	6.0	1.4	-1.4	-0.8	-0.8	-0.6	-0.6	-0.5	17.1
8	-0.6	3.2	6.0	5.9	6.0	1.4	-1.4	-0.8	-0.8	-0.6	-0.6	-0.5	17.2
9	-0.6	3.2	6.1	5.9	6.1	1.4	-1.4	-0.8	-0.8	-0.6	-0.6	-0.5	17.4
1960	-0.6	3.3	6.2	6.0	6.2	1.4	-1.5	-0.8	-0.8	-0.6	-0.6	-0.5	17.7
1	-0.7	3.4	6.3	6.2	6.3	1.5	-1.5	-0.8	-0.8	-0.7	-0.7	-0.5	18.0
2	-0.7	3.5	6.5	6.3	6.5	1.5	-1.5	-0.9	-0.9	-0.7	-0.7	-0.5	18.4
3	-0.7	3.6	6.7	6.5	6.7	1.6	-1.6	-0.9	-0.9	-0.7	-0.7	-0.5	19.1
4	-0.7	3.7	7.0	6.8	7.0	1.6	-1.7	-0.9	-0.9	-0.7	-0.7	-0.6	19.9
5	-0.8	3.9	7.3	7.1	7.3	1.7	-1.7	-1.0	-1.0	-0.8	-0.8	-0.6	20.6
6	-0.8	4.0	7.6	7.4	7.6	1.8	-1.8	-1.0	-1.0	-0.8	-0.8	-0.6	21.6
7	-0.8	4.2	7.8	7.6	7.8	1.8	-1.9	-1.0	-1.0	-0.8	-0.8	-0.6	22.3
8	-0.8	4.3	8.1	7.8	8.1	1.9	-1.9	-1.1	-1.1	-0.8	-0.8	-0.6	23.1
9	-0.9	4.4	8.2	8.0	8.2	1.9	-1.9	-1.1	-1.1	-0.9	-0.9	-0.6	23.3
1970	-0.9	4.5	8.4	8.2	8.4	1.9	-2.0	-1.1	-1.1	-0.9	-0.9	-0.7	23.8