



Ministry of Sustainable Resource Management

Streamflow in the Lower Mainland and Vancouver Island



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Aquatic Information Branch

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PROVINCE OF BRITISH COLUMBIA
MINISTRY OF SUSTAINABLE RESOURCE MANAGEMENT

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1 INTRODUCTION

Water resource and hydrology investigations require summaries and analyses that use available hydrologic data in standard formats, periods and methods so that the resultant information is consistent and allows direct comparison at different sites. To fulfill such a goal, a hydrology project was initiated in the 1995-1996 fiscal year and the report, *British Columbia Streamflow Inventory* (BCSI), was produced in March 1998 by the Resources Inventory Branch of the Ministry of Environment, Lands and Parks (now the Aquatic Information Branch, Ministry of Sustainable Resource Management). That report presents a summary of streamflow data compiled in datasheet, map and graphical forms and covers the whole province. The purpose of this information is to enable hydrologists and engineers to make hydrologic estimates for water management and the planning and preliminary design of water resource projects.

A separate project, which was a direct progression of the above work, was initiated in the 1998-1999 fiscal year to expand and develop this particular database. The purpose of this study was to characterize the variability of streamflow parameters in Ministry regions, based on the summary data and hydrologic zones defined in the BCSI report. This work was designed on a progressive geographical basis for regional report publication, in which subregional hydrologic zones, or subzones, and graphs were produced. This report is the final in a series of regional reports (see Table A-1 for a report list) that enable more accurate estimates, suitable for design streamflows, to be applied to ungauged watersheds. The new subzones were renamed to constitute a new edition of provincial hydrologic zones (see Table A-1 for a cross-reference index). These zones are a product of the application of additional hydrologic data and regionalization procedures to those applied in the study of the BCSI report. A separate report, *Interior Community Watershed Streamflow Inventory* (ICWSI), published in March 2000, used data and the procedures of the BCSI work to estimate streamflow characteristics for specified community watersheds that were undergoing strategic planning in the central and southern interior regions of the province. The ICWSI report could be used as a demonstration report of the application of the data summaries, provincial maps, hydrologic zones and subzones and the regionalization procedures described in the published study reports.

This report covers the Ministry Coast region of the Lower Mainland and Vancouver Island; presents summary data and datasheets that have been revised and updated from those of the BCSI report and describes the graphical procedures used to derive the hydrologic zones and used for estimating streamflow at ungauged watersheds. However, before any estimates are finalized using this report, reference should be made to the Aquatic Information Branch hydrology report and map libraries and the ministry library in Victoria for comparison and any additional hydrologic data that may prove useful.

2 REGIONAL STREAMFLOW

This report covers the Ministry Coast region of the Lower Mainland and Vancouver Island. This south coastal area of the province consists of hydrologic **Zones 25 to 29**, as shown in Figure 1. The zones were defined with the use of a physical mapping and graphical regional streamflow procedure and are discussed in the Section 6.

The study included a revision of BCSI hydrometric station datasheets that was started in the Skeena region study. The revision includes updated data beyond 1995 (up to 2000 for Skeena), a new study period of 1965-2001 and a new *normal* period of 1971-2000. Table 1 lists all BCSI gauged watersheds in the study region for this report with data updated to 2001 and new datasheets for hydrometric stations with sufficient length records to be incorporated. The new datasheet format includes additional calculations of annual runoff frequency analysis and standard deviations for all streamflow characteristics. Frequency analyses were carried out using the ministry frequency analysis program FREQAN on all sets of streamflow data to produce four frequency distribution estimates (Log-Normal, Gumbel, Pearson type-III and Log-Pearson type-III) following the procedure and criteria used in the BCSI report. For each streamflow characteristic a single best-fit distribution that provided the best results overall was selected in each datasheet (a guide to frequency distribution selection and an example datasheet frequency output are provided in Appendix B). Table 2 summarizes the individual streamflow characteristic frequency best-fit distributions and the hydrologic zone best-fit distributions overall for each characteristic, based on majority totals. The actual individual frequency distribution estimate for each streamflow characteristic listed is that of the zone distribution to preserve the homogeneity criteria of zone definition. The Log-Normal distribution was selected for annual flows in all of the coastal region zones and for seven-day low flows in all but one zone. The Log-Pearson was selected for peak flows in all of the zones and for seven-day low flows in **Zone 29**, Western Vancouver Island. However, the choice of distribution for a number of streamflow characteristic records did not meet the criteria of one zone - one distribution for an acceptable estimate and these were left as zonal distribution anomalies. The electronic versions of all datasheets contain embedded distribution frequency estimates of all streamflow characteristics, for both standardized zonal and individual data-set best-frequency estimates. The study region datasheets are included in the report in tabbed **Zone** Sections of Appendix C.

Regional streamflow data are summarized in tabular form. Table 1 lists the regional streamflow characteristics that form the basis of the streamflow design graphs presented in the following sections. Table 2 lists a streamflow summary of annual discharges with monthly distributions and the various streamflow characteristic frequency ratios, including the additional annual flow 10-year high- and low-year frequency ratios. The various parameters in these tables were excerpted from Excel spreadsheets that contain watershed streamflow summary data and graphs and are included on a disk attached to this report.

The hydrologic zones in the study area were defined using a physical mapping procedure described in Section 6 and are shown in Figure 1 at a scale of 1:3,500,000. The zones east and north of the study area had been defined previously in ministry region reports as subzones. The eastern boundary of **Zone 25** was revised slightly from what were the western portions of **Subzones d** and **e** of the Southern Interior and Cariboo reports. This figure was also produced as Figure A-2 (Appendix A) at a scale of 1,000,000 with a finer stream hierarchy for more detailed study application. Note that watershed names, Environment Canada hydrometric station numbers and watershed boundaries can be easily read at this scale and provide the user direct references in applying the regional graphical procedures for estimating various streamflows at ungauged sites, as described in the following sections.

3 ANNUAL RUNOFF

The primary focus of hydrologic regionalization is the initial regional analysis of runoff. This hydrologic cycle-integrating streamflow characteristic on an annual time span defines the magnitude of the production of a watershed and thus must meet the first criterion of hydrologic zone definition. In these studies runoff was regionalized on a graphical basis with plots of basin unit mean annual runoff (mm) versus basin median elevation (m) in semilogarithmic graphs. The normal period of 1971-2000 was used for each hydrometric station. For many of the datasheets from the BCSI report that had missing median elevations, drainage boundaries were defined, areas digitized and median elevations calculated. Parallel straight lines were drawn to represent the five hydrologic zones of the south coastal region, three in the lower mainland and two in Vancouver Island, as shown in Figure 2. The relationships were drawn as straight lines in semilog graphs, but these would plot as curves in arithmetic graphs. The vertical location and slope of each line was positioned to reflect the runoff-elevation variation of each zone. Visual line positioning rather than statistical regression was used because each point was not always given the same weight. The zone lines were positioned by eye for watersheds that were totally located within single zones. The lines were also reconciled for those watersheds that had zone boundaries drawn through them, with point-to-curve distances in proportion to the contributing areas within each zone. Examples of such watersheds with dividing boundaries are Jordan reservoir and Cowichan River in **Zones 28** and **29**, NF Nooksack in **Zones 26** and **27** and Ross Lake and Lillooet in **Zones 25** and **26**. A number of datasheets show monthly inflows only for selected lakes and reservoirs; some are based on reservoir data provided by BC Hydro are preliminary in nature and are subject to revision.

Runoff from an ungauged watershed in the study region can be estimated by use of the regionalized information presented in this report. The procedure would consist of locating the topic watershed on a map (Figure A-2), identifying the zone and then estimating its runoff from its design curve in Figure 2. If the basin of interest is located near or within one of the observed watersheds (drainage boundary of a hydrometric station), more weight would be given to this point and a parallel line would be drawn through it (or close by) in the graph to the projected median elevation of the basin. If the

basin straddles a boundary, the point would be located between the zone curves in proportion to the drainage areas within each zone. (Reference to this procedure with example calculations can be found in the ICWSI report.) Runoff estimates based on the above procedure would be for a mean annual period; estimates for 10-year high and 10-year low flow years can be prorated by the frequency ratios listed in Table 2. Estimates for other recurrence intervals could be made by referral to the annual flow frequency charts of relevant datasheets (these are not shown in the hard copies but are embedded in the electronic versions). Alternatively, generic frequency estimates can be made by applying frequency factors to the standard deviations shown in the data sheets provided in this report. Monthly runoff can be estimated by prorating the annual estimates by use of monthly runoff distributions in Table 2 or the datasheets in Appendix C.

4 PEAK FLOW

Peak flow was regionalized on a graphical basis with plots of unit annual peak discharge ($L/s/km^2$) versus drainage area (km^2) in log-log graphs as shown in Figure 3. The graphical envelope-curve form was adopted to demonstrate the multiple scale effects of regional flood variation. Unit peak flow varies inversely with drainage area due to increased storage effects and decreased storm intensity with increased area. Peak flow graphical regionalizations generally use log-log plots with envelope curves because of the scale effects, which tend to be non-linear, and because the variance of individual plot points is easier to explain for streamflow characteristics of short duration (e.g., floods) rather than of long duration (e.g., annual runoff). For the latter, regionalizations generally use regression plots to demonstrate unexplained variance, since an explanation for the position of a plot point is more difficult due to the dominance of geographic, geologic and storage effects in large drainage areas.

The annual maximum instantaneous discharge for a 10-year recurrence interval of the total period of record was used for each hydrometric station. The 10-year period was selected to define an “index” peak flow for the datasheets and regional analyses because it can be estimated with some reliability with the available data and provides a more stable value for relating to other recurrence intervals. It is also assumed to be related to bankfull flow. In the regional graphs parallel straight lines were drawn to envelop, or contain as an upper limit, the points in each zone to represent the curve’s maximum applicable values. (The relationships were drawn as straight lines in log-log graphs, but these would plot as curves in arithmetic graphs.) The individual points plot on or below each zone curve; those that plot below, do so due to physical or basin-characteristic reasons that would explain their plot positions. Figure 3 shows straight lines representing the coast region hydrologic zones, two in the Lower Mainland (the Western and Central South Coast Mountains zones are represented by the upper curve) and two in Vancouver Island.

Peak flow from an ungauged watershed in the study region can be estimated by use of the regionalized information presented in this report. The procedure would consist of locating the topic watershed on a map (Figure A-2), identifying the zone and then

estimating its peak flow from its design curve in Figure 3. If the basin of interest is located near or within one of the observed watersheds more weight would be given to this point and a parallel line would be drawn through it (or close by) in the graph to the projected area of the basin. If the basin straddles a zone boundary the point would be located between the zone curves in proportion to the areas within each zone. (Example peak flow estimates can be found in the ICWSI report.) Peak flow estimates based on the above procedure would be for a 10-year recurrence interval; estimates for other recurrence intervals could be made by reference to the frequency relationships shown in Table 2 or the datasheets in Appendix C.

5 LOW FLOW

Low flow was regionalized on a graphical basis with plots of minimum discharge (m^3/s) versus drainage area (km^2) in log-log graphs with regional curves drawn to represent low flow zones. It was generally found that such zones are much larger, covering larger drainage areas than hydrologic zones, and are best represented by a series of curves that converge with decreasing slope as drainage area increases. This demonstrates the scale effects of both drainage area and regional low flow variation. Regional low flow plots tend to exhibit more overlapping scatter and are more difficult to define than those for runoff.

The seven-day average minimum daily discharge for a 10-year recurrence interval of the total period of record was used for each hydrometric station, as given in the revised datasheets. In the regional graphs converging curves were drawn to represent the individual zone low flow relationships. Low flow plots for summer (June-September) and annual periods are shown in Figures 4 and 5, respectively. Five curves in each Figure represent the south coastal region hydrologic zones, three in the Lower Mainland and two in Vancouver Island.

Low flow from an ungauged watershed in the south coastal region can be estimated by use of the regionalized information presented in this report. The procedure would consist first of locating the topic watershed on a map (Figure A-2), identifying the zone and then estimating the low flow from Figures 4 and 5. If the basin of interest is located far from those of observed zone basin-points the design zone curve would be used. If the basin is located near or within one of the observed basins, a sloping line (one that would fit the convergence of the reference curves) would be drawn through its basin-point to the projected area of the topic basin. (Example low flow estimates can be found in the ICWSI report.) Low flow estimates based on this procedure would be for a 10-year recurrence interval; estimates for other recurrence intervals could be made by reference to the frequency relationships shown in Table 2 or the datasheets in Appendix C.

6 HYDROLOGIC ZONES

The practice in hydrology for estimating streamflow characteristics at ungauged sites has shown that the most practical approach to produce the most accurate results involves the use of regional procedures and techniques based on hydrologic zones. A hydrologic zone is defined as an area where hydrologic characteristics are homogeneous and where data collected in the region can be extrapolated to estimate characteristics at ungauged sites to an acceptable degree of accuracy. A hydrologic zone can be identified on a map using two basic procedures, a physical mapping of physiographic and hydrologic features, and a statistical study of a large number of hydrologic data within a zone. Due to the paucity of hydrologic data in an extremely heterogeneous province and the practical experience in the Aquatic Information Branch with regionalization, the physical mapping procedure was used in this project, as described in the BCSI report (see Introduction).

The physical methods employed thus far in British Columbia for defining homogeneous hydrologic zones have been mostly subjective, with zone boundaries being drawn based on hydrologic judgement of the variation of mapped hydrologic and physiographic characteristics. However, the procedure developed in these Ministry region studies is based on a successive order of statistical graphical plots of measured streamflow data and mapped hydrologic characteristics. The first order of zone definition involves the identification of the magnitude of zonal water supply at the longest time span, that of annual runoff. This was done by graphical plots of mean annual runoff and median basin elevation. Successive orders of zone definition are based on reduced time intervals, of low flow and then peak flow. These were based on graphical plots of seven-day low flow and unit peak flow, respectively, versus drainage area. Such a procedure is objective and is more precise than the hydrologic zone boundaries of earlier hydrologic zone studies. Figure 1 shows the resulting study zone boundaries of the Coast and adjacent Ministry regions. The BCSI study was limited to a predominantly subjective mapping approach, except for low flow zones, due to an inadequate watershed physiographic database (median basin elevations). The BCSI low flow zones were defined using regional graphical plots of measured low flow data. In this study the low flow zone boundaries were first used to define broad preliminary hydrologic zones, and these were then subdivided using the subjectively defined mapping information to locate the final hydrologic zone boundaries.

STREAMFLOW IN THE LOWER MAINLAND REGION

Watershed		Hydro-logic	Median Elev-ation	Normal Annual Runoff			10-Year Annual Peak Flow				10-Year 7-Day Low Flow				10-Year 7-Day Low Flow			
Stream	Hydro-metric	Zone					Drainage				June-September				Annual			
	Station		(m)	(mm)			(m³/s)				(m³/s)				(m³/s)			
				Zone 25	Zone 26	Zone 27					Zone 25	Zone 26	Zone 27		Zone 25	Zone 26	Zone 27	
Atnarko	08FB006	25	1410	362			252	2,430	104		2,430	9.47			2,430	4.49		
Bella Cooola	08FB007	25	1440	751			626	3,730	168		3,730	50.2			3,730	10.7		
Chilko	08MA002	25	1690	632			181	2110	86		2110	28.4			2110	5.13		
Coldwater-Brookmere	08LG048	25	1430	706			111	311	357		311	0.417			311	0.347		
Coldwater - Merritt	08LG010	25	1160	294			130	914	142		914	0.232			914	0.221		
Coquihalla - Needle	08MF062	25	1380	1330			49.1	79.8	615		79.8	0.388			79.8	0.329		
Homathko	08GD004	25	1680	1470			1990	5,720	348		5,720	155			5,720	27.1		
Klinaklini	08GE002	25	1540	1660			1660	5,780	287		5,780	168			5,780	31.8		
Lillooet	08MG005	25	1640	1770			956	2,160	443		2,160	58.9			2,160	16.2		
Mosley	08GD007	25	1780	966			313	1,550	202		1,550	26.4			1,550	4.75		
Nahatlatch	08MF065	25	1540	1580			377	715	527		715	9.58			715	4.64		
Ross Lake	Inflow	25	1440	1150			-	2,590	-		2,590	-			2,590	-		
Similkameen	08NL070	25	1680	637			128	407	126		407	0.770			407	0.517		
Spius	08LG008	25	1290	428			182	767	237		767	0.469			767	0.428		
Tulameen - Princeton	08NL024	25	1400	383			385	1,790	215		1,790	1.23			1,790	1.16		
Tulameen - Vuich	8NL071	25	1530	857			155	253	613		253	0.279			253	0.258		
Cheakamus	08GA072	26	1660		2010		179	295		607		8.80			295		2.42	
Chilliwack	08MH001	26	1240		1740		746	1,220		611		16.5			1,220		13.7	
Chilliwack Lake	08MH016	26	1400		1890		111	329		337		5.51			329		3.60	
Clayton Falls	08FB009	26	1240		1830		112	112		1000		2.46			112		1.42	
Clowhom	08GB013	26	1240		3320		247	148		1669		3.79			148		2.51	
Clowhom Lake	Inflow	26	1120		3100		-	380		-		-			380		-	
Coquihalla - Alexander	08MF068	26	1250		1330		527	720		732		4.38			720		4.01	
Daisy Lake	Inflow	26	1400		2180		-	737		-		-			737		-	
Elaho	08GA071	26	1540		2720		1050	1,210		868		42.8			1,210		7.91	
Harrison	08MG013	26	1350		1790		1650	7870		210		227			7870		89.5	
Harrison minus Lillooet	Inflow	26	1270		1800		-	5,710		-		-			5,710		-	
Mamquam	08GA054	26	1180		2590		402	323		988		6.38			323		3.70	
Mashiter	08GA057	26	1150		2130		87.0	40.0		2237		0.511			40.0		0.442	
NF Nooksack	12205000	26	1260		2610		251	272		923		7.65			272		4.28	
Nusatsum	08FB005	26	1420		1870		230	275		836		6.96			275		1.97	
Pemberton	08MG025	26	1410		1520		20.8	33.6		619		0.581			33.6		0.066	
Salloomit	08FB004	26	1160		1710		152	158		962		3.00			158		1.53	
Slesse	08MH056	26	1320		1970		151	166		910		2.24			166		1.46	
Squamish bl Cheakamus	Inflow	26	1400		2540		-	3,340		-		3,340			3,340		-	
Stave	08MH147	26	1300		3840		769	287		2679		8.62			287		2.89	
Stawamus	08GA064	26	1070		2670		95.4	42.5		2245		0.425			42.5		0.280	
Thunder	12175500	26	1590		2040		250	272		919		7.02			272		2.26	
Wahleach	Inflow	26	1150		3240		-	62.0		-		-			62.0		-	
Wannock	08FA002	26	1220		2500		1850	3,940		470		177			3,940		47.4	
Alouette Lake	Inflow	27	579			3370	-	199		-		199			-	199		-
Capilano	08GA010	27	880			3710	531	172		3087		172		1.34	172		1.21	
Chapman	08GA060	27	958			2150	134	66.4		2018		66.4			-	66.4		-
Chehalis	08MG001	27	830			3110	720	383		1880		383		3.97	383		3.44	
Coquitlam	08MH141	27	1050			4110	168	50.2		3347		50.2		0.433	50.2		0.356	
Coquitlam Lake	Inflow	27	809			3720	-	186		-		186			-	186		-
Jacobs	08MH108	27	518			2440	23.6	12.0		1967		12.0		0.022	12.0		0.023	
Kanaka	80MH076	27	230			1910	127	45.2		2810		45.2		0.080	45.2		0.077	
Lang	08GB007	27	303			1045	53.7	128		420		128		0.091	128		0.091	
MacKay	08GA061	27	290			2850	11.0	2.66		4135		2.66		0.007	2.66		0.006	
Mahood	08MH018	27	250			990	30.2	18.9		1598		18.9		0.011	18.9		0.010	
Murray	08MH129	27	79			830	33.8	23.7		1426		23.7		0.002	23.7		0.002	
Nicomekl	08MH155	27	53			918	67.2	68.5		981		68.5		0.101	68.5		0.100	
Nooksack	12210500	27	866			2000	1040	1,510		689		1,510		23.4	1,510		18.2	
Noons	08GA065	27	773			3130	12.2	2.63		4632		2.63		0.001	2.63		0.001	
Norrish	08MH058	27	797			3060	311	117		2658		117		0.802	117		0.752	
North Alouette	08MH006	27	539			2580	129	34.4		3750		34.4		0.088	34.4		0.087	
Powell Lake	Inflow	27	787			2390	-	1240		-		1240		-	1240		-	
Roberts	08GA047	27	536			1040	47.4	32.6		1454		32.6		0.046	32.6		0.046	
Salmon @ 72	08MH090	27	90			914	46.9	49.9		940		49.9		0.131	49.9		0.129	
Seymour	08GA077	27	986			3090	121	62.9		1924		62.9		0.453	62.9		0.458	
Silverdale	08MH091	27	183			1450	22.6	18.1		1249		18.1		0.085	18.1		0.085	
Stave Lake	Inflow	27	878			3090	-	1,140		-		1,140		-	1,140		-	
Sumas	08MH029	27	36			736	45.5	149		305		149		0.412	149		0.406	
West	08MH098	27	88			1110	15.3	11.4		1342		11.4		0.010	11.4		0.010	

Table 1 Streamflow Summary (page 1 of 2)

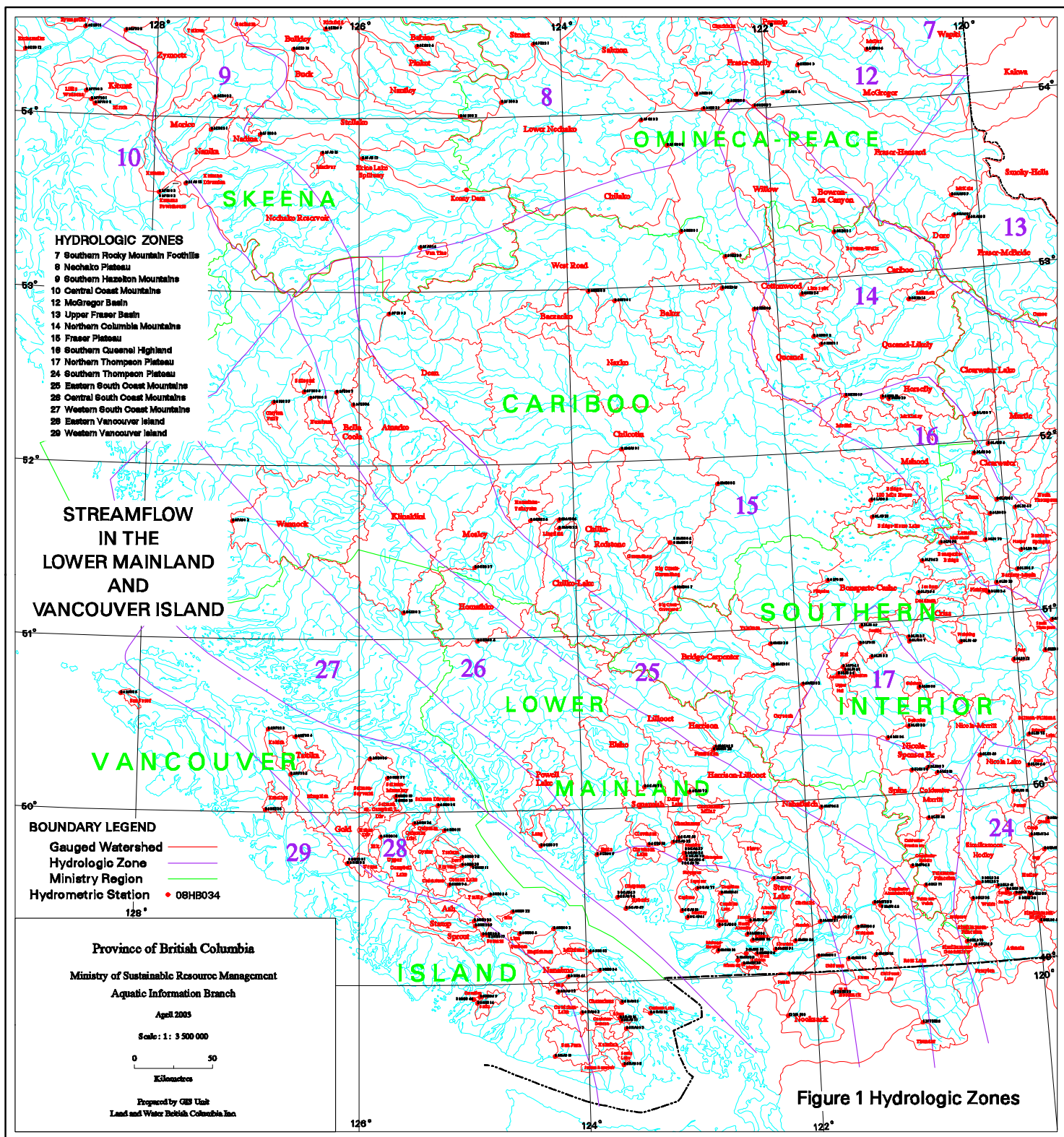
STREAMFLOW IN THE VANCOUVER ISLAND REGION

Watershed		Hydro-	Median	Normal Annual		10-Year Annual Peak Flow				10-Year 7-Day Low Flow			10-Year 7-Day Low Flow		
Stream	Hydro-	logic	Elev-	Runoff		Drainage				Drainage	June-September		Drainage	Annual	
	metric	Zone	ation							Area			Area		
	Station		(m)	(mm)		(m³/s)	(km²)	(L/s/km²)		(km²)	(m³/s)		(km²)	(m³/s)	
				Zone 28	Zone 29			Zone 28	Zone 29		Zone 28	Zone 29		Zone 28	Zone 29
Bings	08HA016	28	180	847		19.8	17.5	1131		17.5	0.005		17.5	0.005	
Browns	08HB025	28	800	2010		181	86.0	2105		86.0	0.039		86.0	0.038	
Chemainus	08HA001	28	625	1720		615	355	1732		355	0.208		355	0.208	
Comox Lake	Inflow	28	752	2210		-	470	-		470	-		470	-	
Cruikshank	08HB074	28	976	2670		424	213	1991		213	2.57		213	2.13	
Cusheon Lake	Inflow	28	150	515		-	8.31	-		8.31	-		8.31	-	
Dove	08HB075	28	270	1330		60.5	46.6	1298		46.6	0.000		46.6	0.001	
Elk	08HD018	28	1090	2440		175	117	1496		117	0.843		117	0.736	
Englishman	08HB002	28	571	1360		532	324	1642		324	0.218		324	0.208	
Gold	08HC001	28	757	2670		2130	1010	2109		1,010	4.29		1,010	4.13	
Jordan Reservoir	Inflow	28	640	2500		-	144	-		144	-		144	-	
Jump	08HB041	28	700	2460		117	62.2	1881		62.2	0.317		62.2	0.271	
Koksilah	08HA003	28	510	1380		281	221	1271		221	0.167		221	0.167	
Little Qualicum	08HB004	28	780	2010		138	135	1022		135	0.473		135	0.458	
Millstone	08HB032	28	257	875		51.6	94.2	548		94.2	0.002		94.2	0.001	
Nanaimo	08HB034	28	578	1800		883	684	1291		684	2.67		684	2.64	
Nile	08HB022	28	600	2400		64.9	13.4	4843		13.4	0.115		13.4	0.108	
Nimpkish	09HF005	28	681	2280		1090	815	1337		815	4.32		815	4.03	
Oyster	08HD011	28	762	1480		282	298	946		298	0.800		298	0.692	
Quinsam	08HD005	28	378	1100		132	285	463		285	1.33		285	1.33	
Salmon - ab Diversion	08HD015	28	770	1540		347	270	463		270	0.437		270	0.405	
Salmon - Memekay	08HD007	28	619	1430		433	437	991		437	0.830		437	0.793	
Salmon - Sayward	08HD006	28	627	1820		1120	1200	933		1200	4.03		1200	3.88	
Sooke Lake	Inflow	28	326	1130		-	72.6	-		72.6	-		72.6	-	
Tsable	08HB024	28	780	2150		325	113	2876		113	0.192		113	0.172	
Tsitika	08HF004	28	773	1970		721	359	2008		359	1.08		359	1.00	
Tsolum	08HB011	28	230	1280		233	258	903		258	0.035		258	0.035	
Ucona	08HC002	28	873	2930		539	189	2852		189	1.18		189	1.00	
Upper Campbell Lake	Inflow	28	932	2100		-	1170	-		1,170	-		1,170	-	
Ash	08HB023	29	134		1360	395	378		1045	378		2.89	378		2.55
Carnation - Mouth	08HB048	29	246		2550	50.7	10.3		4922	10.3		0.006	10.3		0.006
Carnation - 150 m	08HB069	29	519		2500	18.7	2.95		6339	2.95		0.006	2.95		0.005
Cowichan - Duncan	08HA011	29	472		1990	444	826		538	826		4.06	826		3.95
Cowichan - Lake	08HA002	29	510		2367	273	596		458	596		5.62	596		5.38
San Josef	08HF006	29	150		3680	112	63.7		1758	63.7		0.455	63.7		0.452
San Juan	08HA010	29	580		2600	1100	580		1897	580		1.20	580		1.16
Sarita	08HB014	29	397		3820	490	162		3025	162		0.387	162		0.383
Somass	08HB017	29	524		2960	956	1280		747	1,280		22.3	1,280		22.0
Sproat	08HB008	29	430		3400	304	347		876	347		0.733	347		0.710
Stamp	08HB009	29	536		4150	349	456		765	456		16.0	456		15.3
Zeballos	08HE006	29	710		4210	882	181		4873	181		3.16	181		3.10

Table 1 Streamflow Summary (page 2 of 2)

Hydro-logic Zone	Stream	Watershed	Hydrometric Station	Avg. Ann. Disch. (m ³ /s)	Monthly Distribution (%)												Annual Flow		Peak Flow				Jun-Sep 7-Day Low Flow				Annual 7-Day Low Flow												
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ratio: 10-Yr/Avg. Yr.	Best-Fit	High	Low	Ratio: Recurrence Interval/10-Yr.	2-Year	50-Yr.	100-Yr.	200-Yr.	Dist.	Best-Fit	Ratio: Rec. Int./10-Year	2-Year	5-Year	20-Year	Dist.	Best-Fit	Ratio: Rec. Int./10-Year	2-Year	5-Year	20-Year	Dist.	Best-Fit
25	Atmarko	08FB006	28.6	3	3	3	5	20	26	15	8	5	4	5	4	1.376	0.688	LP	0.635	1.349	1.512	1.679	P	1.299	1.077	0.955	LN	1.414	1.122	0.913	G	1.414	1.122	0.913	G				
25	Bella Coola	08FB007	90.1	2	2	2	3	12	18	19	17	11	7	4	3	1.210	0.811	LN	0.639	1.369	1.542	1.725	LN	1.464	1.137	0.902	G	1.271	1.075	0.944	LN	1.271	1.075	0.944	LN				
25	Chilko	08MA002	42.8	3	2	2	2	4	14	22	22	13	8	5	4	1.218	0.811	LN	0.757	1.204	1.287	1.370	P	1.472	1.158	0.877	LN	1.437	1.119	0.918	LN	1.437	1.119	0.918	LN				
25	Coldwater - Brookmere	08LG048	6.89	3	3	4	10	29	27	10	2	1	3	5	4	1.383	0.672	LN	0.602	1.495	1.748	2.036	LP	1.616	1.175	0.875	LP	1.663	1.205	0.850	LN	1.663	1.205	0.850	LN				
25	Coldwater - Merritt	08LG010	8.40	3	3	4	11	30	24	9	2	1	2	4	3	1.452	0.633	LP	0.681	1.246	1.338	1.438	LP	2.366	1.379	0.737	G	2.176	1.339	0.765	G	2.176	1.339	0.765	G				
25	Coolquihalla - Needle	08MF062	3.32	4	3	4	10	25	23	10	3	2	3	7	5	1.345	0.728	P	0.544	1.580	1.890	2.240	LN	1.508	1.144	0.899	LN	1.514	1.158	0.884	LN	1.514	1.158	0.884	LN				
25	Homathko	08GD004	265	2	2	2	3	8	15	22	21	12	6	4	2	1.140	0.876	LN	0.623	1.447	1.673	1.935	LN	1.471	1.142	0.890	G	1.450	1.151	0.878	LN	1.450	1.151	0.878	LN				
25	Klinaklini	08GE002	305	2	2	2	3	9	16	21	20	13	7	4	3	1.123	0.877	LP	0.729	1.289	1.422	1.566	LP	1.774	1.304	0.702	LP	1.321	1.107	0.915	LP	1.321	1.107	0.915	LP				
25	Lillooet	08MG005	122	2	2	3	4	11	18	21	18	10	6	4	3	1.155	0.860	P	0.620	1.433	1.642	1.883	LN	1.565	1.178	0.866	G	1.309	1.086	0.938	P	1.309	1.086	0.938	P				
25	Mosley	08GD007	47.5	2	2	2	3	9	17	23	20	11	6	3	2	1.150	0.878	LN	0.735	1.243	1.348	1.460	LP	1.530	1.155	0.890	G	1.387	1.154	0.855	LN	1.387	1.154	0.855	LN				
25	Nahatlatch	08MF065	35.6	3	3	3	6	17	22	17	9	5	6	6	3	1.227	0.769	LN	0.682	1.260	1.366	1.472	P	1.155	1.117	0.919	LP	1.435	1.164	0.849	LN	1.435	1.164	0.849	LN				
25	Ross Lake	Inflow	95.5	5	5	6	8	19	20	12	6	3	3	7	6	1.319	0.718	LN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
25	Similkameen	08NL070	7.99	3	2	3	7	27	29	12	3	2	2	4	3	1.428	0.621	P	0.640	1.333	1.476	1.619	LP	1.610	1.186	0.862	G	1.627	1.195	0.849	LN	1.627	1.195	0.849	LN				
25	Spilus	08LG008	10.2	3	3	4	12	32	25	2	1	2	5	3	3	1.427	0.633	LN	0.582	1.363	1.516	1.670	LP	1.748	1.211	0.853	LP	1.696	1.199	0.862	LP	1.696	1.199	0.862	LP				
25	Tulameen - Princeton	08NL024	21.4	3	2	3	11	33	27	8	2	1	2	4	3	1.450	0.644	P	0.566	1.514	1.777	2.068	LP	1.650	1.203	0.846	G	1.526	1.164	0.879	G	1.526	1.164	0.879	G				
25	Tulameen - Vuich	08NL071	92.7	3	2	3	10	30	27	8	2	1	2	6	3	1.383	0.683	P	0.508	1.626	1.961	2.342	LN	1.602	1.140	0.914	LN	1.628	1.178	0.876	LN	1.628	1.178	0.876	LN				
25				Hydrologic Zone Distribution												LN						LP				LN													
26	Cheakamus	08GA072	18.8	2	2	3	4	11	18	21	16	9	7	5	3	1.175	0.829	LN	0.483	1.905	2.497	3.251	LP	1.648	1.227	0.805	LN	1.310	1.116	0.897	LP	1.310	1.116	0.897	LP				
26	Chiliwack - Vedder	08MH001	66.9	7	6	6	7	14	16	12	6	4	5	8	8	1.268	0.794	P	0.580	1.381	1.542	1.702	LN	1.321	1.085	0.945	G	1.365	1.117	0.920	LN	1.365	1.117	0.920	LN				
26	Chiliwack - Lake	08MH016	19.5	6	5	5	6	13	18	14	8	4	5	8	7	1.251	0.769	LN	0.666	1.306	1.432	1.568	LN	1.397	1.113	0.920	P	1.467	1.150	0.889	LP	1.467	1.150	0.889	LP				
26	Clayton Falls	08FB009	6.56	6	4	4	6	11	13	12	8	8	10	9	6	1.215	0.826	P	0.695	1.188	1.241	1.304	LP	1.346	1.102	0.927	LP	1.211	1.070	0.951	LN	1.211	1.070	0.951	LN				
26	Clowhom Lake	Inflow	37.0	6	5	6	7	13	15	12	7	5	8	10	6	1.206	0.798	LN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
26	Clowhom - Clowhom L	08GB013	15.5	5	4	5	7	13	16	14	8	6	9	9	6	1.173	0.832	LN	0.749	1.231	1.336	1.441	LP	1.631	1.248	0.765	LP	1.486	1.195	0.817	P*	1.486	1.195	0.817	P*				
26	Coolquihalla - Alexander	08MF068	30.3	6	5	7	10	20	18	9	3	4	9	8	1	1.335	0.755	LN	0.469	1.765	2.201	2.713	LP	1.345	1.089	0.943	G	1.369	1.100	0.935	LP	1.369	1.100	0.935	LP				
26	Daisy Lake	Inflow	50.8	3	3	4	6	13	18	18	12	7	7	4	7	1.207	0.798	LN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
26	Elaho	08GA071	105	2	2	3	5	12	17	19	16	9	7	5	2	1.125	0.883	P	0.668	1.314	1.457	1.600	LN	1.577	1.168	0.879	G	1.403	1.124	0.905	LN	1.403	1.124	0.905	LN				
26	Harrison	08MG013	446	5	4	5	5	10	16	17	12	7	6	7	6	1.180	0.817	P	0.752	1.182	1.255	1.327	LP	1.335	1.110	0.916	G	1.564	1.196	0.829	LP	1.564	1.196	0.829	LP				
26	Harrison minus Lillooet	Inflow	323	6	5	6	6	10	16	15	10	6	8	7	1	1.202	0.794	LP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
26	Mamquam	08GA054	26.5	6	6	6	7	13	15	12	7	5	7	9	7	1.206	0.790	LN	0.617	1.323	1.458	1.592	LN	1.661	1.224	0.818	LN	1.776	1.295	0.735	P*	1.776	1.295	0.735	P*				
26	Mashiter	08GA057	2.71	7	7	8	7	11	13	9	5	4	8	10	9	1.198	0.821	LN	0.379	1.931	2.471	3.115	LN	1.613	1.178	0.875	P	1.638	1.195	0.857	P	1.638	1.195	0.857	P				
26	NF Nooksack	12205000	22.4	6	5	5	6	12	16	14	9	6	6	8	7	1.196	0.839	LN	0.701	1.271	1.390	1.510	LP	1.412	1.124	0.911	P	1.334	1.114	0.902	LN	1.334	1.114	0.902	LN				
26	Nusatum	08FB005	16.6	4	3	4	3	11	16	18	14	10	9	6	4	1.187	0.843	LP	0.626	1.271	1.390	1.510	G	1.609	1.181	0.872	LN	1.371	1.117	0.914	LP	1.371	1.117	0.914	LP				
25	Pemberton	08MG025	1.63	2	2	3	8	18	18	17	13	8	6	6	3	1.194	0.831	P	0.678	1.288	1.409	1.534	LN	1.773	1.306	0.711	LN	1.954	1.301	0.771	P	1.954	1.301	0.771	P				
26	Salloomt	08FB004	8.65	5	3	4	6	13	16	13	9	7	9	8	6	1.213	0.814	LN	0.520	1.271	1.390	1.510	P	1.413	1.120	0.910	LN	1.359	1.118	0.908	LN	1.359	1.118	0.908	LN				
26	Slesse	08MH056	10.3	6	5	6	7	14	17	13	6	4	5	9	7																								

Hydro-logic Zone	Stream	Watershed	Hydrometric Disch. (m ³ /s)	Monthly Distribution (%)												Annual Flow		Peak Flow				Jun-Sep 7-Day Low Flow				Annual 7-Day Low Flow							
				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ratio:10-Yr/Avg.Yr.	Best-Fit	High	Low	Dist.	Ratio: Recurrence Interval/10-Yr.	2-Year	50-Yr.	100-Yr.	200-Yr.	Dist.	Best-Fit	Ratio: Rec.Int/10-Year	2-Year	5-Year	10-Year	20-Year	Dist.
27	Nooksack	122105000	96.1	10	8	8	8	11	11	9	5	4	6	11	11	1.238	0.789	LN	0.681	1.298	1.423	1.567	P	1.333	1.094	0.932	P	1.445	1.137	0.901	LP		
27	Noons	08GA065	0.260	12	11	10	11	8	4	3	2	3	7	15	15	1.223	0.754	LP	0.518	1.475	1.689	1.910	LP	3.705	1.451	0.791	LN	3.538	1.422	0.805	LN		
27	Norrish	08MH058	11.5	11	10	9	10	10	7	4	2	3	7	13	12	1.273	0.742	LN	0.579	1.418	1.611	1.810	LP	1.546	1.152	0.898	LP	1.636	1.184	0.871	LN		
27	North Alouette	08MH006	2.83	13	10	8	8	6	4	2	3	8	15	14	1.241	0.746	LN	0.602	1.287	1.395	1.496	LP	1.856	1.241	0.835	LP	1.757	1.228	0.831	P			
27	Powell Lake	Inflow	94.3	8	7	7	8	12	12	9	5	4	9	11	8	1.230	0.790	LP	-	-	-	-	-	-	-	-	-	-	-	-	-		
27	Roberts	08GA047	1.06	13	12	11	10	9	4	2	1	2	6	15	15	1.262	0.753	P	0.627	1.222	1.293	1.354	P	1.488	1.170	0.858	LN	1.484	1.168	0.858	LN		
27	Salmon @ 72 Ave	08MH090	3.05	17	14	11	8	5	3	2	1	2	4	15	17	1.278	0.732	P	0.567	1.456	1.674	1.906	LN	1.275	1.069	0.954	LN	1.302	1.078	0.938	LN		
27	Seymour	08GA077	6.23	9	7	9	11	14	12	8	4	4	9	10	7	1.229	0.786	LN	0.690	1.298	1.421	1.562	LN	1.477	1.117	0.927	LN	1.428	1.122	0.913	LN		
27	Silverdale	08MH091	0.833	15	13	11	9	6	4	3	2	2	5	14	16	1.248	0.740	LP	0.615	1.301	1.425	1.540	LP	1.325	1.085	0.946	LN	1.325	1.084	0.946	LN		
27	Slave Lake	Inflow	112	8	7	7	8	11	11	9	5	5	8	12	9	1.225	0.794	LN	0.596	1.308	1.426	1.538	LN	1.757	1.248	0.806	LN	1.741	1.241	0.815	-		
27	Sumas	08MH029	3.45	16	13	12	9	7	5	4	2	2	4	11	15	1.325	0.693	LP	0.609	1.340	1.484	1.627	LP	1.722	1.221	0.841	LN	1.696	1.205	0.854	LP		
27	West	08MH098	0.410	18	14	11	7	4	2	1	1	1	4	16	19	1.323	0.699	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27																Hydrologic Zone Distribution												LN					
28	Bings	08HA016	0.479	22	18	15	6	3	1	1	0	0	1	10	22	1.361	0.624	LN	0.535	1.359	1.500	1.631	LN	2.594	1.453	0.705	LN	2.591	1.453	0.708	LP*		
28	Browns	08HB025	5.53	10	8	9	12	16	9	3	1	1	6	11	10	1.298	0.709	LN	0.630	1.287	1.398	1.503	G	3.316	1.605	0.640	LP*	3.138	1.566	0.662	LP*		
28	Chemalonus	08HA001	19.3	15	13	12	9	6	3	1	1	1	4	15	19	1.360	0.667	P	0.582	1.285	1.385	1.478	LP	1.995	1.250	0.846	LN	1.990	1.250	0.841	LN		
28	Comox Lake	Inflow	33.2	10	9	9	8	11	10	6	4	3	8	12	11	1.235	0.762	LP	-	-	-	-	-	-	-	-	-	-	-	-	-		
28	Cruickshank	08HB074	18.2	9	8	8	8	12	13	8	5	3	8	11	8	1.256	0.757	LP	0.627	1.160	1.203	1.233	LN	1.335	1.093	0.938	LP	1.315	1.080	0.944	LP		
28	Cusheon Lake	Inflow	0.138	23	20	15	6	2	0	0	-1	0	0	9	20	1.396	0.610	LP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
28	Dove	08HB075	1.99	17	13	12	9	5	3	1	0	1	6	14	16	1.297	0.699	P	0.726	1.101	1.124	1.140	P	8.707	2.141	0.529	LP	5.886	1.883	0.589	LP		
28	Elk	08HD018	9.11	11	9	7	8	12	12	7	4	3	8	12	9	1.175	0.835	P	0.674	1.257	1.360	1.463	G	1.981	1.317	0.760	LP	1.821	1.249	0.819	LN		
28	Englishman	08HB002	14.0	15	14	11	8	6	4	2	1	1	5	15	17	1.325	0.675	LP	0.600	1.269	1.363	1.449	G	1.752	1.156	0.917	LN	1.841	1.192	0.885	LN		
28	Gold	08HC001	86.8	11	9	8	10	8	4	2	3	9	15	13	1.256	0.746	LN	0.653	1.258	1.357	1.455	G	1.739	1.196	0.872	G	1.729	1.191	0.877	G			
28	Jordan Reservoir	Inflow	11.4	15	13	11	8	5	3	2	1	2	7	15	17	1.328	0.709	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
28	Jump	08HB041	4.88	14	13	11	7	7	4	2	2	2	6	15	16	1.288	0.721	LN	0.641	1.128	1.162	1.179	P	2.114	1.363	0.716	LN	2.255	1.399	0.694	LN		
28	Koksilah	08HA003	9.71	19	16	13	7	3	2	1	0	1	4	15	19	1.401	0.647	LP	0.690	1.110	1.139	1.157	P	1.593	1.186	0.856	LP	1.593	1.186	0.856	LP		
28	Little Qualicum	08HB004	8.61	13	12	10	8	9	6	3	2	2	6	14	15	1.243	0.731	P	0.509	1.449	1.638	1.826	LP	1.594	1.152	0.903	P	1.648	1.177	0.880	P		
28	Millstone	08HB032	5.76	21	17	14	6	3	2	0	0	0	1	11	19	1.320	0.650	LN	0.610	1.213	1.277	1.331	LP	3.060	1.543	0.647	P	7.414	2.378	0.421	LP*		
28	Nanaimo	08HB034	39.3	15	13	12	8	7	4	2	1	2	6	14	16	1.321	0.720	LP	0.584	1.268	1.359	1.438	LP	1.472	1.157	0.869	LN	1.458	1.155	0.875	LN		
28	Nile	08HB022	1.02	16	14	12	8	6	3	2	2	2	7	14	16	1.329	0.708	P	0.439	1.710	2.096	2.512	LP	1.330	1.113	0.913	LN	1.426	1.139	0.874	LN		
28	Nimipkish	08HF005	64.6	13	10	9	9	8	7	4	2	2	10	16	15	1.413	0.659	LN	0.655	1.321	1.468	1.615	LN	1.313	1.053	0.972	G	1.429	1.092	0.948	LN		
28	Oyster	08HD011	14.1	10	8	8	9	13	11	6	3	2	7	12	11	1.282	0.744	LN	0.699	1.142	1.181	1.213	P	1.888	1.250	0.819	P	1.806	1.230	0.840	P		
28	Quinsam	08HD005	10.0	14	13	12	8	7	5	3	2	3	5	13	15	1.285	0.722	LN	0.522	1.432	1.614	1.795	LP	1.331	1.105	0.917	LP	1.331	1.105	0.917	P		
28	Salmon - ab Diversion	08HD015	13.2	10	8	9	10	13	9	4	2	2	3	9	13	1.263	0.743	LN	0.657	1.213	1.288	1.354	P	2.192	1.396	0.682	LP	2.188	1.385	0.699	LP		
28	Salmon - Memekay	08HD007	20.3	11	9	10	10	11	8	4	2	2	8	14	12	1.288	0.728	LN	0.697	1.125	1.157	1.180	LN	1.687	1.217	0.845	LP	1.690	1.206	0.850	G		
28	Salmon - Sayward	08HD006	69.5	10	9	9	9	11	8	4	2	2	8	14	12	1.242	0.763	LN	0.715	1.179	1.241	1.295	LN	1.524	1.134	0.913	G	1.466	1.108	0.933	G		
28	Sooke Lake	Inflow	2.59	22	18	13	6	2	1	0	0	0	2	15	22	1.413	0.618	LN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
28	Tsable	08HB024	7.79	12	11	9	8	10	8	4	2	2	7	14	14	1.269	0.721	LN	0.582	1.305	1.418	1.526	LP	1.745	1.193	0.875	LP	1.855	1.238	0.831	LN		
28	Tsitika	08HF004	23.1	12	9	8	8	9	8	4	2	3	10	14	12	1.291	0.754	LN	0.559	1.429	1.623	1.831	LN	1.852	1.222	0.851	P	2.000	1.290	0.800	G		
28	Tsolium	08HB011	10.6	15	14	13	8	6	3	1	1	1	6	15	16	1.317	0.681	P	0.725	1.112	1.137	1.159	P	4.339	1.756	0.563	LN	4.253	1.744	0.566	LN		
28	Ucona	08HC002	17.7	11	9	8	7	10	9	6																							



RUNOFF IN THE LOWER MAINLAND REGION **Normal Annual Runoff Curves**

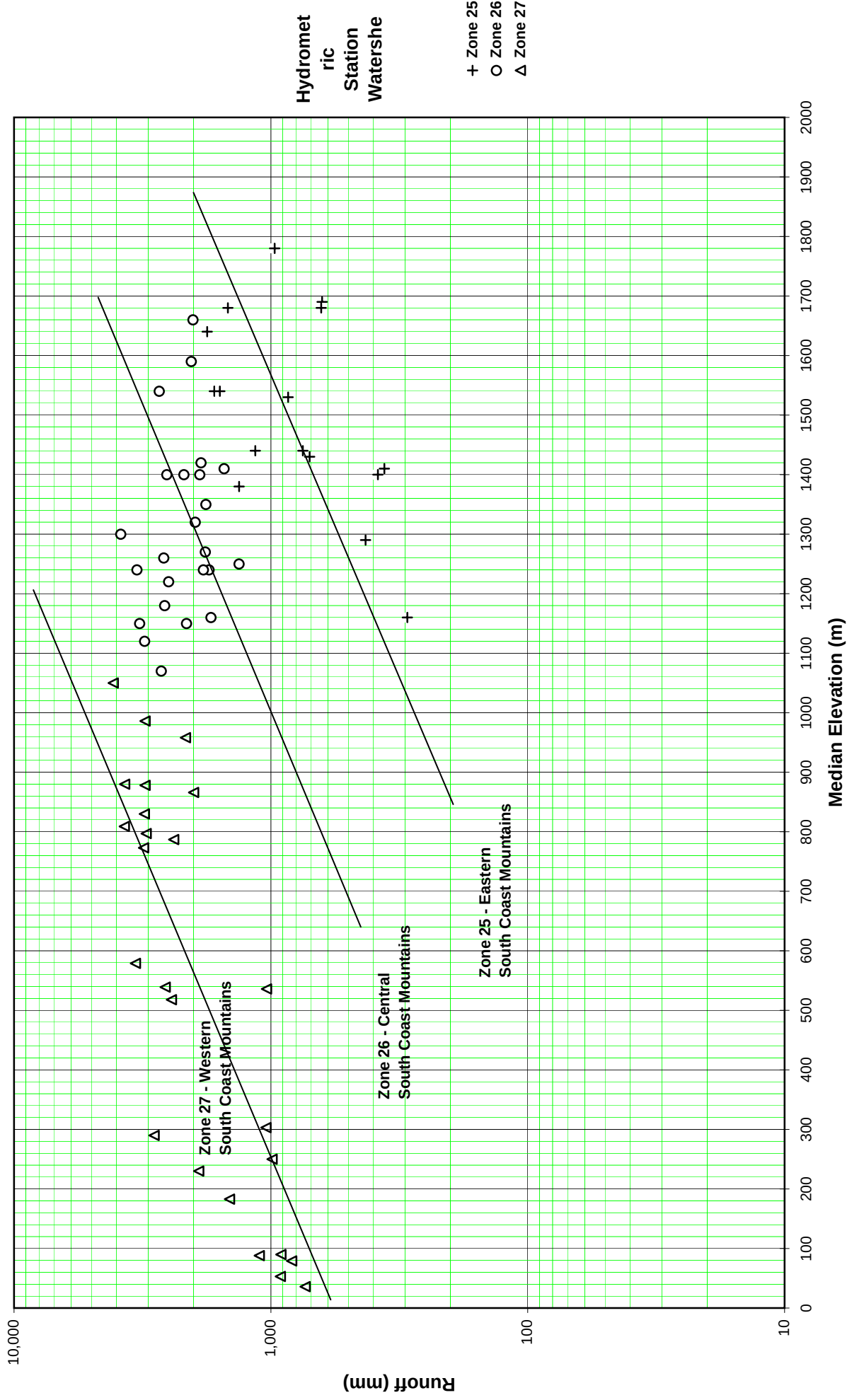


Figure 2 Watershed Runoff (page 1 of 2)

RUNOFF IN THE VANCOUVER ISLAND REGION **Normal Annual Runoff Curves**

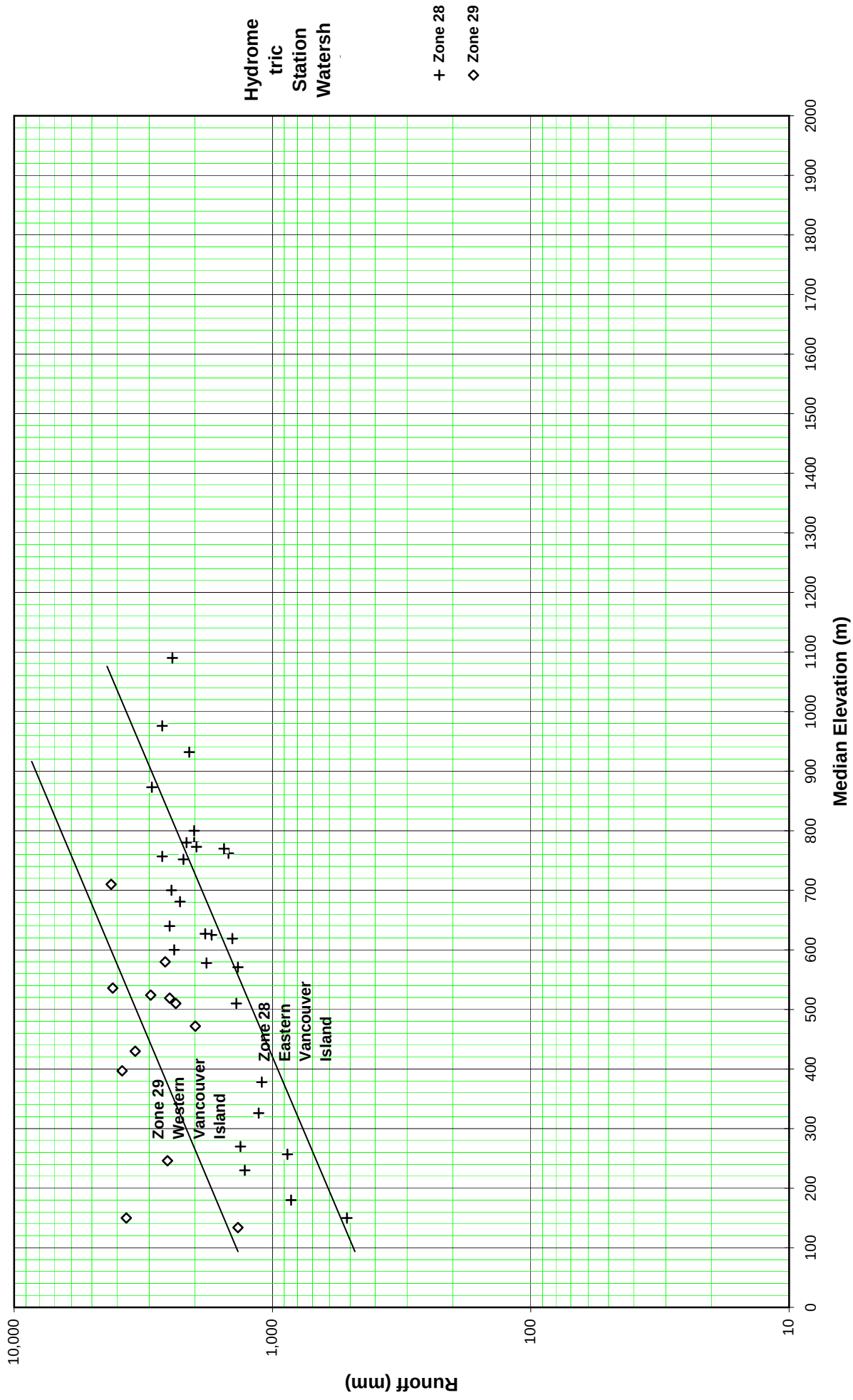


Figure 2 Watershed Runoff (page 2 of 2)

PEAK FLOW IN THE LOWER MAINLAND REGION 10-Year Peak Flow Curves

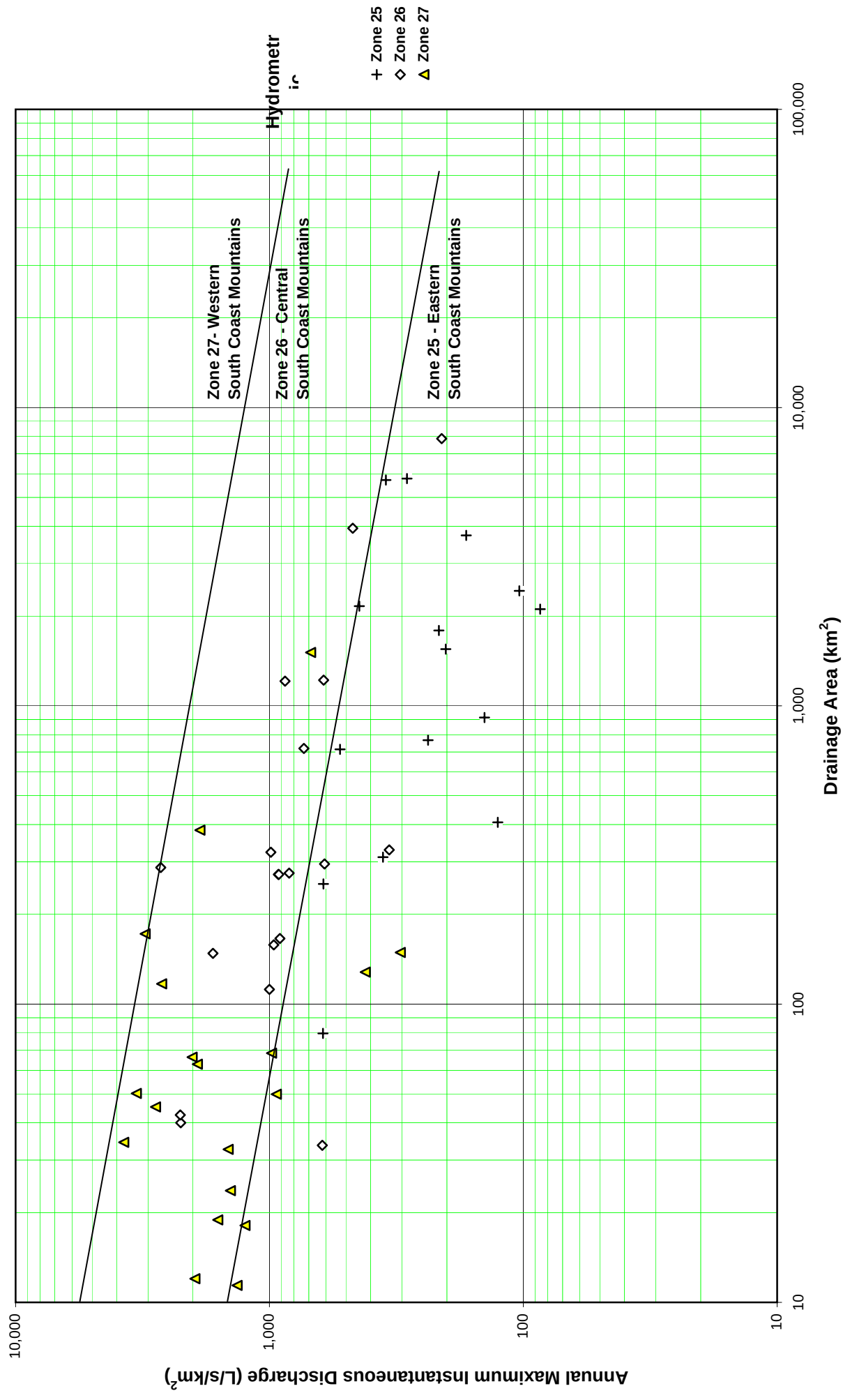


Figure 3 Watershed Peak Flow (page 1 of 2)

PEAK FLOW IN THE VANCOUVER ISLAND REGION 10-Year Peak Flow Curves

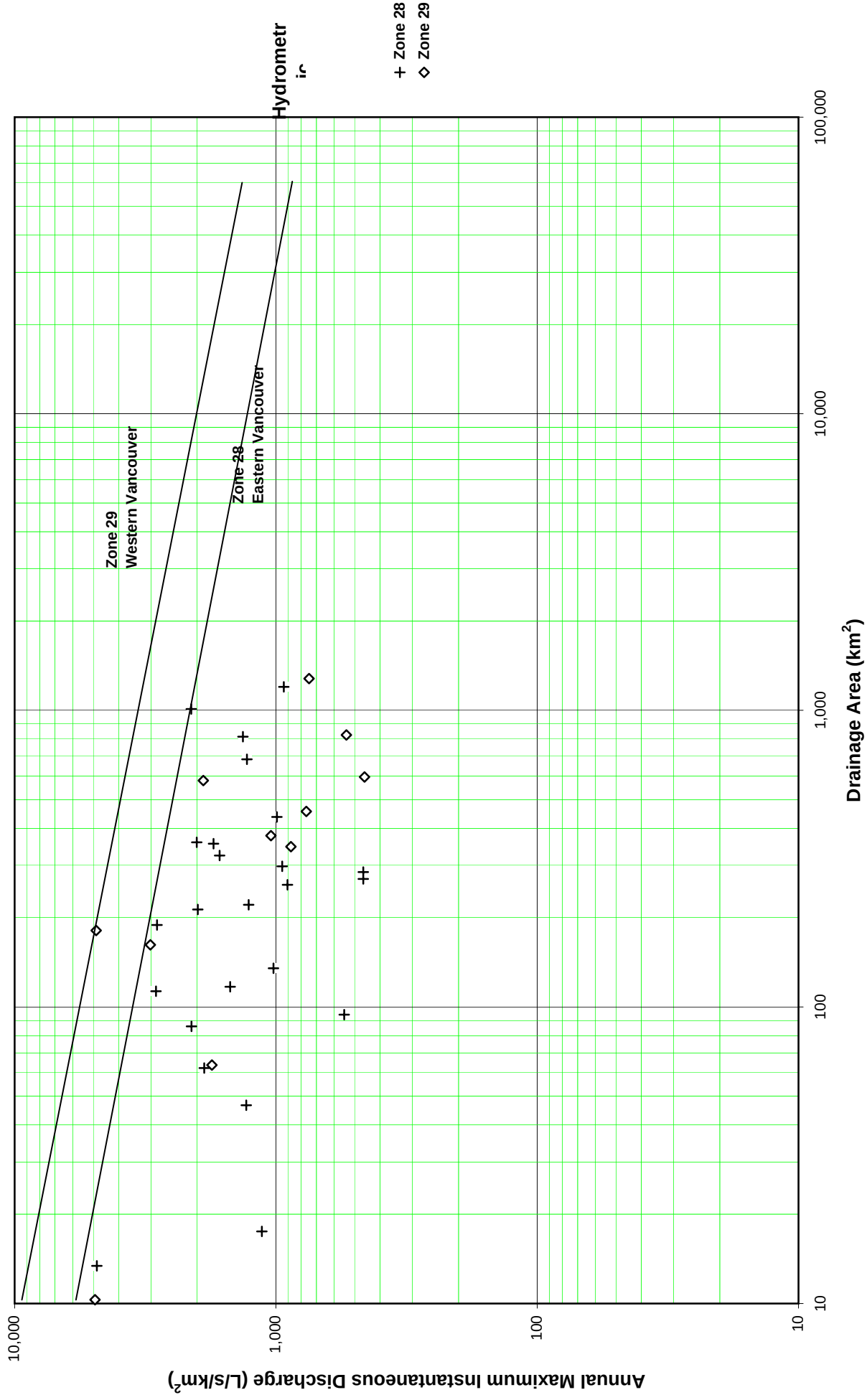


Figure 3 Watershed Peak Flow (page 2 of 2)

LOW FLOW IN THE LOWER MAINLAND REGION 10-Year June-September Low Flow Curves

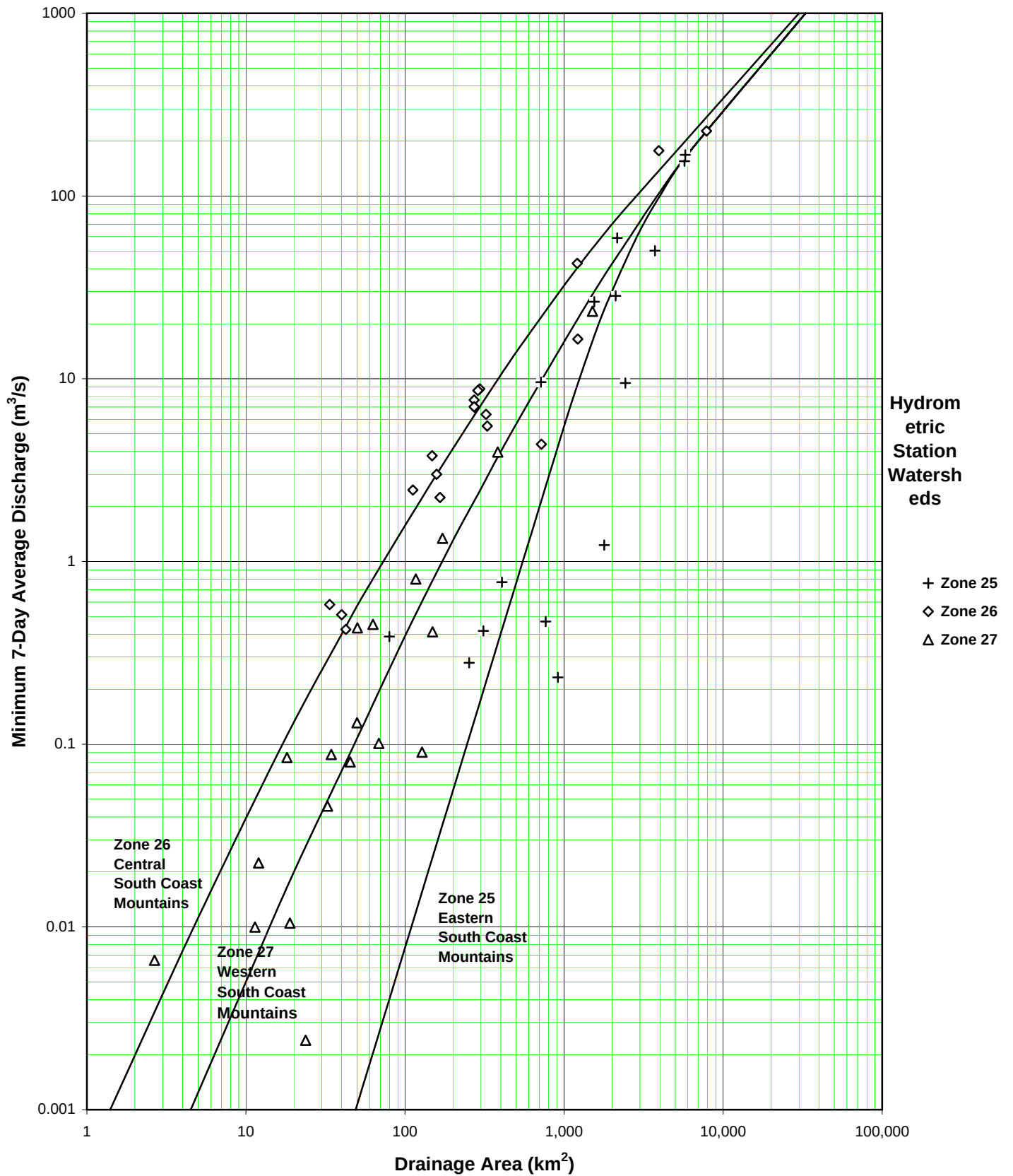


Figure 4 Watershed June-September Low Flow (page 1 of 2)

LOW FLOW IN THE VANCOUVER ISLAND REGION 10-Year June-September Low Flow Curves

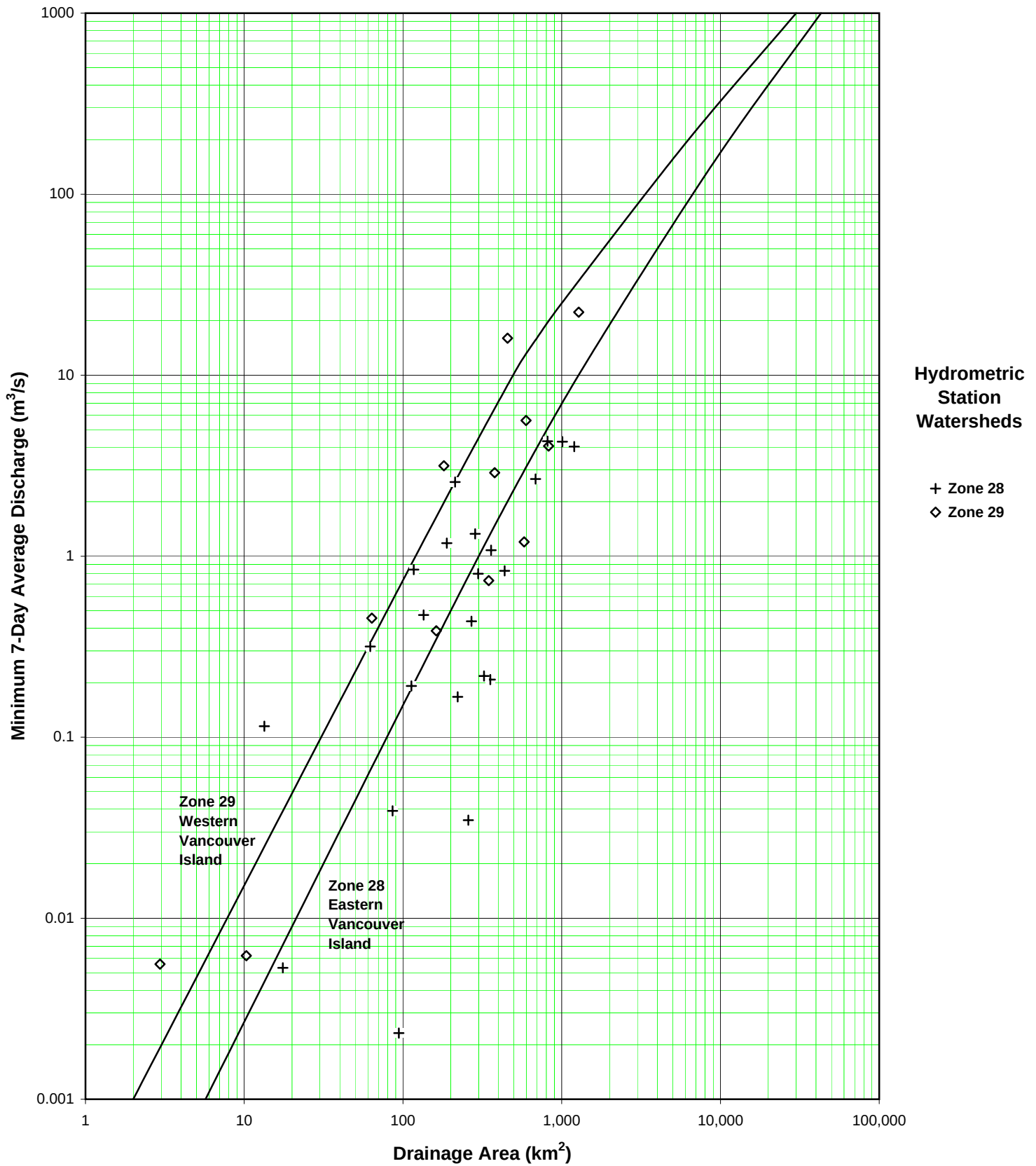


Figure 4 Watershed June-September Low Flow (page 2 of 2)

LOW FLOW IN THE LOWER MAINLAND REGION 10-Year Annual Low Flow Curves

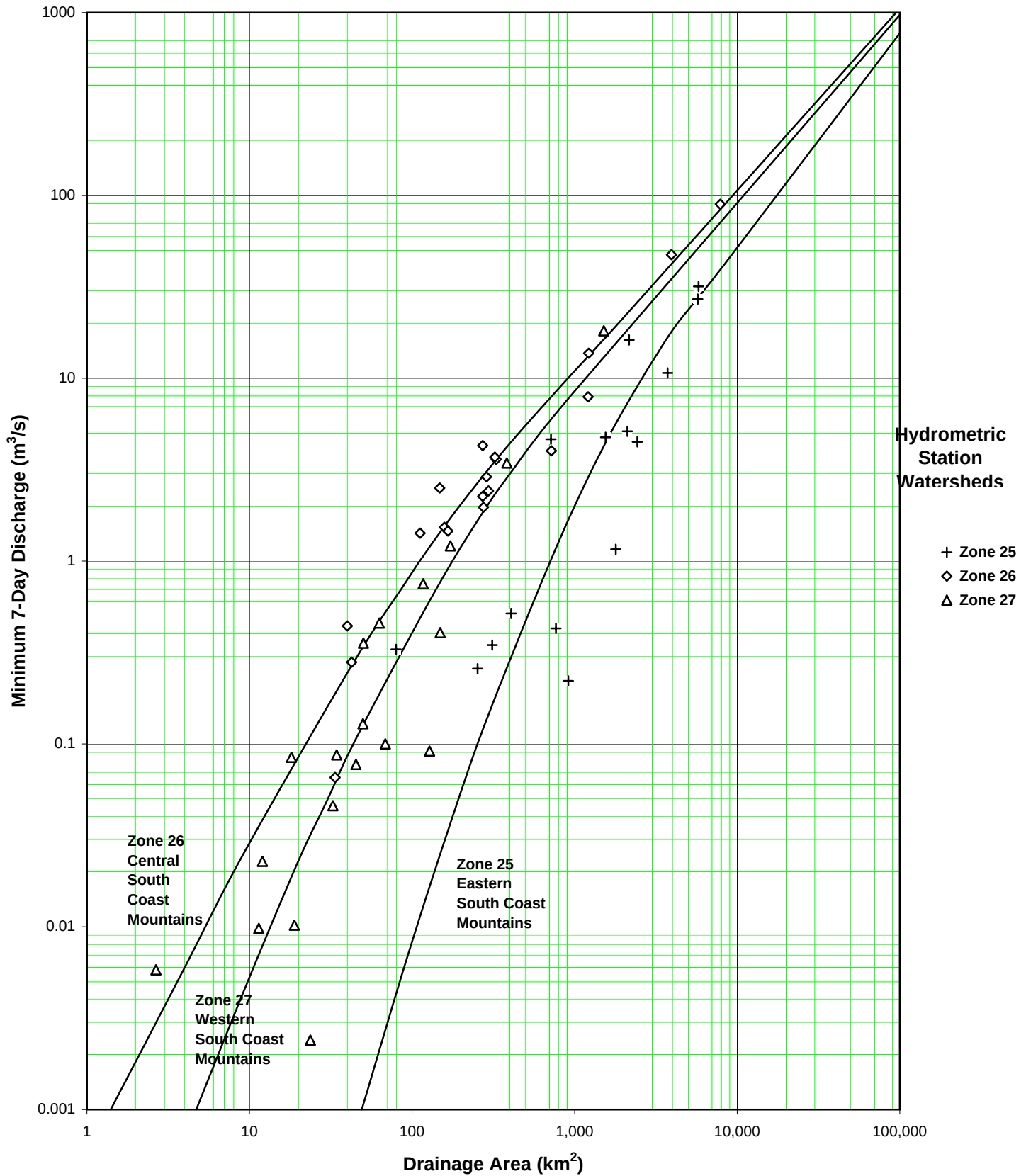


Figure 5 Watershed Annual Low Flow (page 1 of 2)

LOW FLOW IN THE VANCOUVER ISLAND REGION
10-Year Annual Low Flow Curves

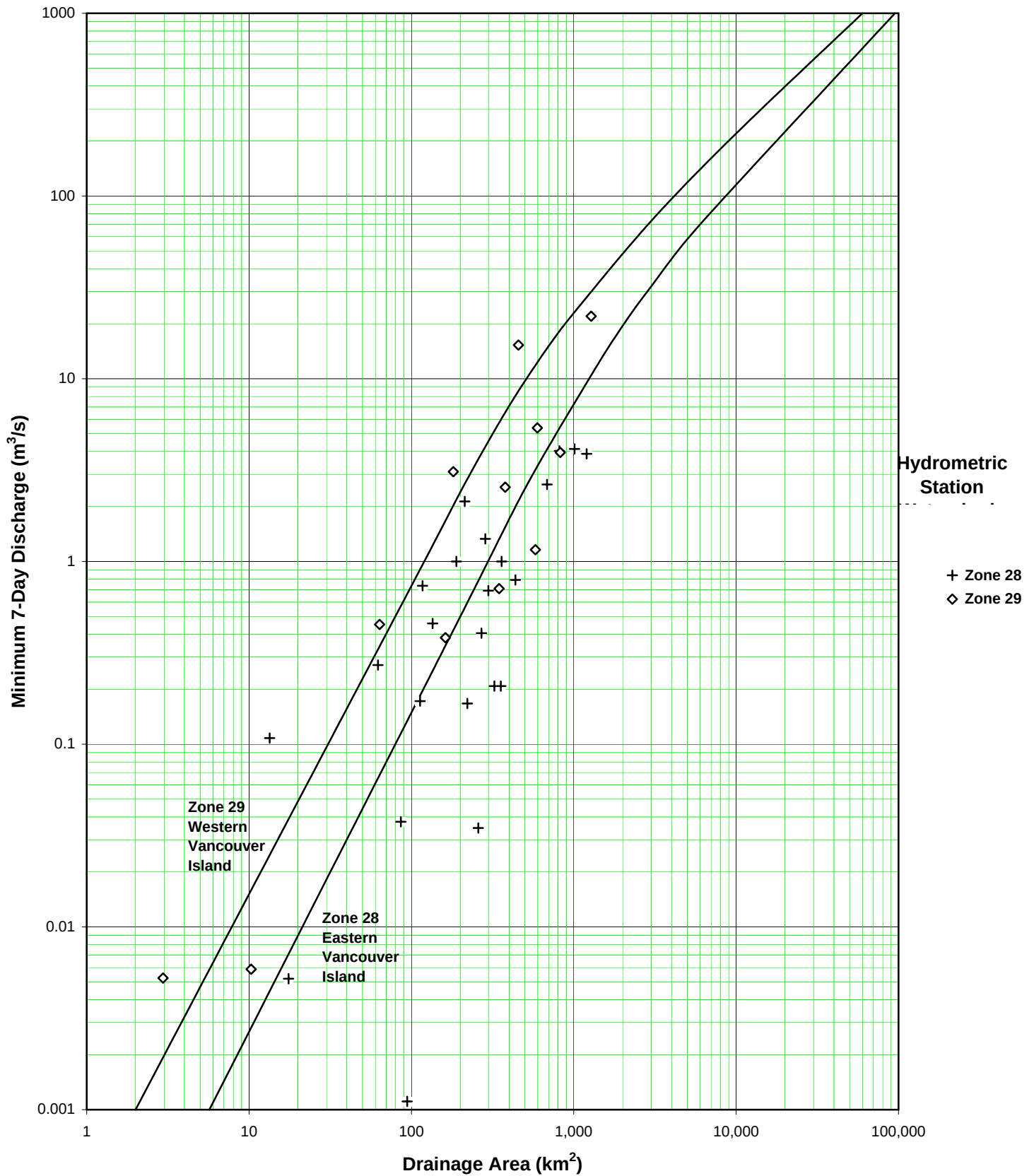


Figure 5 Watershed Annual Low Flow (page 2 of 2)

APPENDIX A

Hydrologic Zones

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This report is a final of a series of Ministry regional streamflow reports in which hydrologic zones have been revised from those of the BCSI report (see Introduction) and are shown in Figure A-1 at scale of 1:7,500,000. The hydrologic zones defined in this report are shown in Figure 1 at a scale of 1:3,500,000 (see Hydrologic Zones) and in Figure A-2 at a scale of 1:1,000,000 as a large-sheet foldout. The following table lists a cross-reference of small-case lettered Hydrologic **Subzones** of previous Ministry regional reports and numbered Hydrologic **Zones** of this report shown in Figure A-1.

Table A-1 Reports and Hydrologic Zone Index

Streamflow Report		Hydrologic Zone		
Region	Date	1998-02	2003	Name
Southern Interior	Dec. 1998	a	25	Eastern South Coast Mountains
		b	24	Southern Thompson Plateau
		c	23	Okanagan Highland
		d	17	Northern Thompson Plateau
		e	15	Fraser Plateau
		f	14	Northern Columbia Mountains
Cariboo	Sept. 1999	i	16	Southern Quesnel Highland
		j	25	Eastern South Coast Mountains
		k	26	Central South Coast Mountains
Omineca-Peace	Sept. 2000	l	13	Upper Fraser Basin
		m	7	Southern Rocky Mountain Foothills
		n	6	Southern Interior Plains
		o	4	Northern Interior Plains
		p	3	Northern Rocky Mountains
		q	12	McGregor Basin
Skeena	Jun. 2001	m	8	Nechako Plateau
		r	2	Stikine Plateau
		s	1	Northern Coast Mountains
		t	5	Northern Central Uplands
		u	9	Southern Hazelton Mountains
		v	10	Central Coast Mountains
		w	11	Queen Charlotte Islands
Kootenay	Jan. 2002	g	22	Lower Columbia Basin
		h	21	Lower Kootenay Basin
		x	18	Upper Columbia Basin
		y	19	Upper Kootenay Basin
		z	20	Central Kootenay Basin
Lower Mainland and Vancouver Island	Apr. 2003		27	Western South Coast Mountains
			28	Eastern Vancouver Island
			29	Western Vancouver Island

HYDROLOGIC ZONES

- 1 Northern Coast Mountains
- 2 Stikine Plateau
- 3 Northern Rocky Mountains
- 4 Northern Interior Plains
- 5 Northern Central Uplands
- 6 Southern Interior Plains
- 7 Southern Rocky Mountain Foothills
- 8 Nechako Plateau
- 9 Southern Hazelton Mountains
- 10 Central Coast Mountains
- 11 Queen Charlotte Islands
- 12 McGregor Basin
- 13 Upper Fraser Basin
- 14 Northern Columbia Mountains
- 15 Fraser Plateau
- 16 Southern Quesnel Highland
- 17 Northern Thompson Plateau
- 18 Upper Columbia Basin
- 19 Upper Kootenay Basin
- 20 Central Kootenay Basin
- 21 Lower Kootenay Basin
- 22 Lower Columbia Basin
- 23 Okanagan Highland
- 24 Southern Thompson Plateau
- 25 Eastern South Coast Mountains
- 26 Central South Coast Mountains
- 27 Western South Coast Mountains
- 28 Eastern Vancouver Island
- 29 Western Vancouver Island

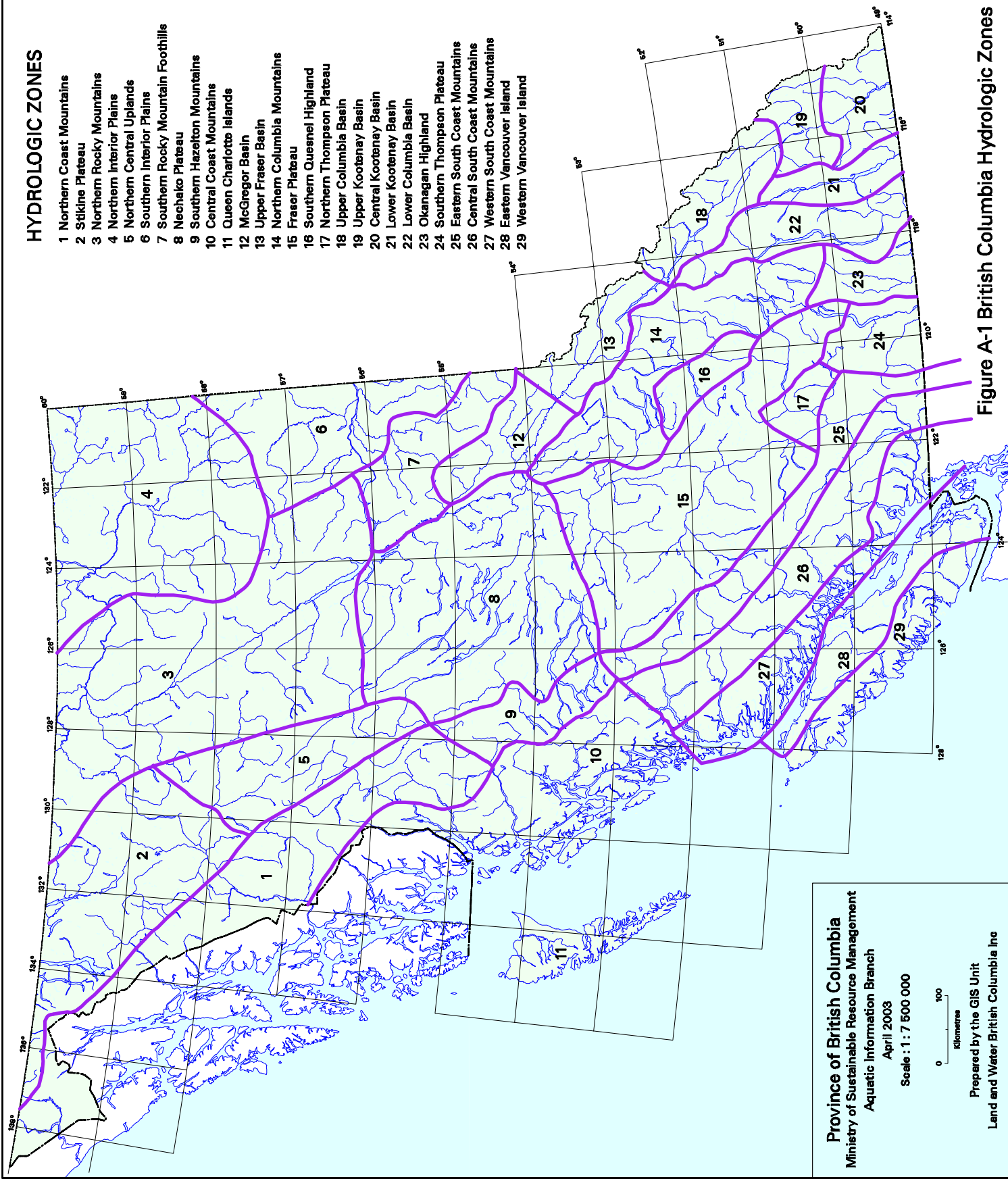


Figure A-1 British Columbia Hydrologic Zones

Province of British Columbia
Ministry of Sustainable Resource Management
Aquatic Information Branch

April 2003

Scale : 1 : 7 500 000

0 100
Kilometres

Prepared by the GIS Unit
Land and Water British Columbia Inc



HYDROLOGIC ZONES

- 7 Southern Rocky Mountain Foothills
- 8 Nechako Plateau
- 9 Southern Hazelton Mountains
- 10 Central Coast Mountains
- 12 McGregor Basin
- 13 Upper Fraser Basin
- 14 Northern Columbia Mountains
- 15 Fraser Plateau
- 16 Southern Quesnel Highland
- 17 Northern Thompson Plateau
- 24 Southern Thompson Plateau
- 25 Eastern South Coast Mountains
- 26 Central South Coast Mountains
- 27 Western South Coast Mountains
- 28 Eastern Vancouver Island
- 29 Western Vancouver Island

**STREAMFLOW
IN THE
LOWER MAINLAND
AND
VANCOUVER ISLAND**

BOUNDARY LEGEND

- Gauged Watershed ————
- Hydrologic Zone ————
- Ministry Region ————
- Hydrometric Station • 08HB034

Province of British Columbia

Ministry of Sustainable Resource Management
Aquatic Information Branch

April 2003

Scale : 1 : 1 000 000



Kilometres

Prepared by GIS Unit
Land and Water British Columbia Inc.

Figure A-2 Hydrologic Zones

APPENDIX B

Frequency Analysis

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The *British Columbia Streamflow Inventory* and the Ministry region reports listed in Table A-1 were based on studies that employed frequency analyses developed in the former Water Investigations Branch of the Ministry of Environment. A frequency analysis computer program was first written by J.G. Zalanfy in the late 1960s and then expanded into a comprehensive package, called FREQAN for frequency analysis, by R.R. Wyman in the 1970s and early 1980s. The program was originally written in the Fortran language for an IBM computer, then adopted for a DOS version of a PC computer and in its current state as a Windows program. However, the detailed report output of FREQAN still requires a DOS command for a hard copy printout.

The frequency analysis program and its application provide a powerful statistical tool for estimating streamflow characteristics of various recurrence intervals. It allows the user to follow optional steps of increasing interpretive criteria for the choice of estimate from four different probability distributions (described in Section 2) to which input data have been fitted. However, this is often a difficult task and requires user knowledge and experience in the meaning of specific short streamflow data sets and the statistical interpretation of their frequency estimates. The general procedure used in the interpretation of frequency estimates in these regional streamflow reports consisted of the following steps of decreasing criteria value for the choice of best-fit distribution. The references to the K-S statistic follows the procedure outlined in Example B-1, the User's Guide by R. R. Wyman, shown on page 26.

1. Reject the Gumbel distribution for skews less than -1.5 and more than 1.5
2. Frequency curve must be reasonable within the group at low frequencies
3. Select the lowest global K-S parameter
4. Select the highest number of K-S statistics from the K-S group plots, based on 10-year estimates for annual and low flows and 100-year estimates for peak flows
5. Select the lowest local K-S parameter
6. Annual flow distribution must be the same for high and low flow

An example frequency output is shown as Example B-2 for the datasheet of the hydrometric station, Nanaimo River near Cassidy (08HB034). Using the above steps the best-fit distributions chosen were Log-Pearson III for annual flows and peak flows and Log-Normal for both 7-day low flows.

Example B-1 Guide to Frequency Distribution Selection

USER'S GUIDE TO THE INTERPRETATION OF THE KOLMOGOROV-SMIRNOV STATISTIC IN FREQUENCY ANALYSIS ROUTINE FREQAN.

Introduction

This guide is designed to help FREQAN program users use the Kolmogorov-Smirnov (K-S) test to determine the best estimate of a flow level, given a desired probability or return period. It is intended to guide the user in interpreting the various statistics, without burdening him with the theoretical intricacies of frequency analysis. This guide is the result of extensive testing of the K-S test performed over a 3 month period in May - July 1982.

The K-S Parameters:

In the FREQAN routine, the K-S parameters have the following format:

KOLMOGOROV-SMIRNOV STATISTIC: (1) - AT POINT XX : X.XXX
(2) - AT POINT XX : X.XXX

FOR 5 LARGEST POINTS - (1): X.XXX
- (2): X.XXX

The first two parameters in the output refer to the "global" K-S parameters. The second two parameters (following "for 5 largest points -") are referred to as the "local" K-S parameters. The numbers (1) and (2) refer to different plotting position methods. Number (1) refers to the unbiased plotting formula, (2) refers to the Weibull formula.

The above output will appear for each of the four distribution functions. In drought flow analysis, the word LARGEST will be replaced by SMALLEST in the third line.

A GUIDE TO ASSESSING THE "BEST" FIT BY THE K-S TEST

The following is a step-by-step guide to determining the best fit of the four distributions. The procedure is only general in nature, and with experience, the user will soon develop his own method for assessing the best fit. As well, it should be noted that testing of the K-S test was done on flood flow data only, so caution should be used in applying the methods to drought frequency analysis.

- (1) Check the coefficient of skew on page 1 of the output. If the skew is less than 0, the Gumbel distribution should be rejected. For skew > 1.5 or skew < -1.5 , be cautious of all the distributions. Extreme skew values can lead to computational problems.
- (2) Compare the "global" K-S parameters for plotting formula (1). For all K-S parameters, the smaller the value, the better the fit. It should also be noted that the K-S values are only significant to 2 figures of accuracy, despite the fact that 3 figures are printed out.

If one of these K-S values is significantly higher than the others, the corresponding distribution may produce poor estimates of flows.

- (2.5) Compare the "global" K-S parameters for plotting formula (2). The results should be similar to those from part (2). If "global" plotting formula (2) produces results very different from "global" plotting formula (1), the "global" K-S test is inconclusive.
- (3) If none of the "global" K-S parameters are significantly lower than all the others, compare the "local" K-S parameters for plotting formula (1), then formula (2). Again, look for the lowest value. The "local" parameters should serve as a refinement in the case of similar "global" parameter values.
- (4) Check for consistency between the "global" and "local" K-S parameters, and the flow estimates. For example, if the K-S tests indicate that two distributions are similar in their goodness-of-fit (and have a better fit than the remaining distributions), see if their 1000-year flow estimates are similar.
- (5) If the K-S results don't indicate one distribution having the "best" fit, average the estimates that seem to have a similarly good fit. Given enough data, the distributions will all usually pick estimates that are fairly good. Don't necessarily count on one distribution being "right", and the others "wrong".

The following tables contain the results of testing using generated data:

Measures of the K-S Test Efficiency

(Based on 200 year events)

<u>TABLE 1</u>		Number of data points		
For Positive Skew:		5 - 30	30 - 50	50 - 80
Best estimate selected	"global" K-S parameters	25%	26%	30%
	"local" K-S parameters	34%	35%	31%
Estimate within 10% of expected chosen	"global" K-S parameters	41%	48%	67%
	"local" K-S parameters	53%	73%	75%
Estimate within 20% of expected chosen	"global" K-S parameters	69%	80%	85%
	"local" K-S parameters	75%	92%	94%

<u>TABLE 2</u>		Number of data points		
For Negative Skew:		5 - 30	30 - 50	50 - 80
Best estimate selected by "global" K-S para.		60%	56%	83%
"Global" parameters picks estimate within 10%		71%	98%	98%

The percentage values in the above tables represent the frequency of occurrence. For example, the first entry in Table 1 translates to the following: For data sets of size 5-30, the "global" K-S parameters will select the "best" estimate with frequency of 25%, or, in other words, 25% "of the time".

It should be pointed out that no test will yield 100% confidence that one has chosen the best distribution. The distributions used in the program are only mathematically convenient approximations to the actual distribution of streamflow extreme, which is unknown.

Since the results of our testing are based on samples from data generated from the mathematical distributions, the results are only useful if one of these distributions closely approximates the streamflow distribution and if the data sample is a reasonably good representative sample of the actual distribution.

Obviously, the smaller the sample, the less chance there is of it being representative, and the more error we can expect in our results. However, Table 1 indicates that even with samples as small as 5 data points, we can be within 20% of the actual 200 year value 75% of the time.

R. Wyman
Modelling Section
Water Management Branch

SEPTEMBER 1982

Example B-2 Datasheet Frequency Program Output

NANAIMO RIVER NEAR CASSIDY 08HB034
 "Mean 7 day low flows, 06/01 to 09/30"

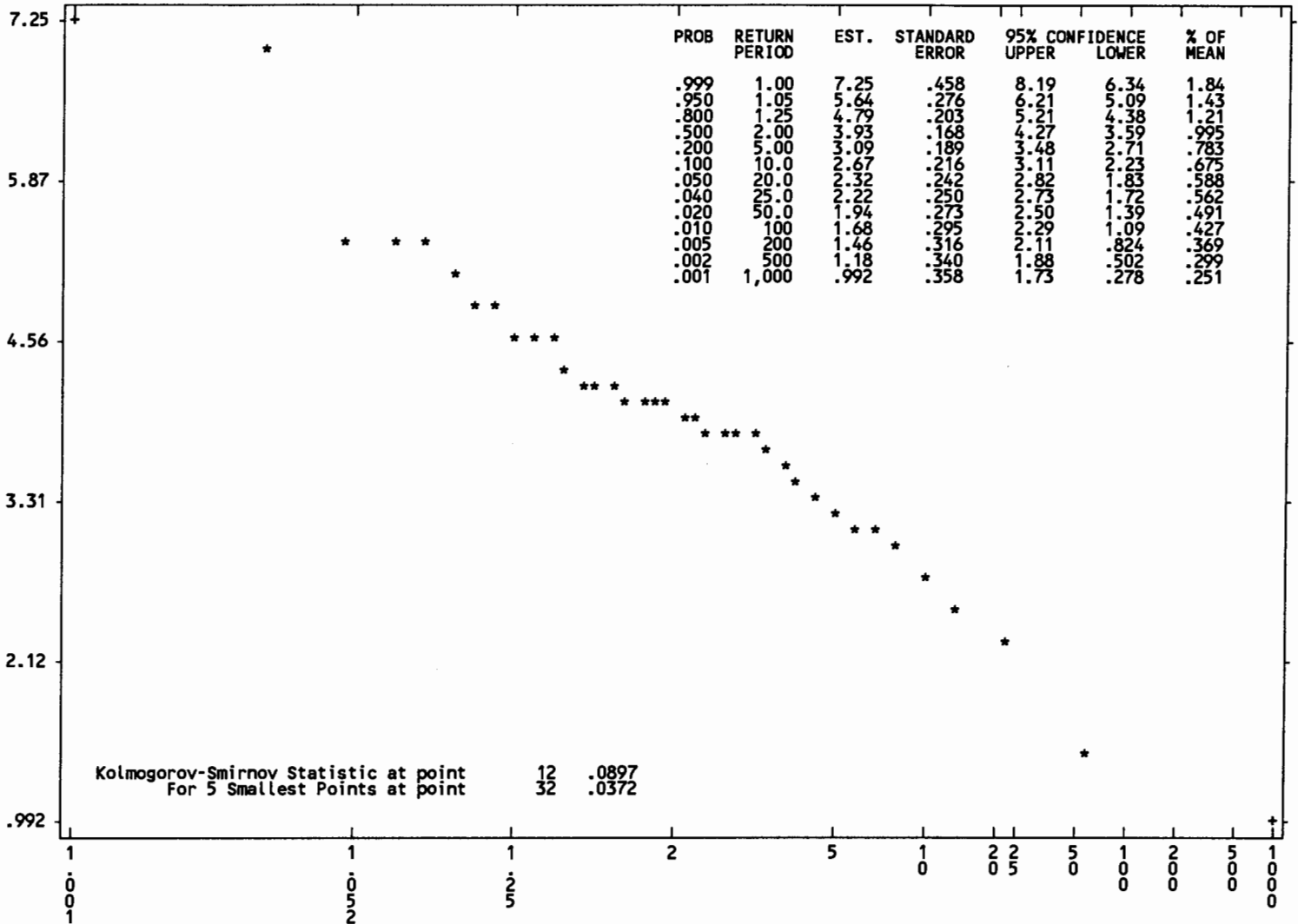
Frequency Analysis December 16, 2002 Page 1

Analysis type	Low Flow
Sample Size	36
Maximum	6.9200
Minimum	1.4000
Range	5.5200
Median	3.9700
Mean	3.9472
Variance	1.0238
Standard Deviation	1.0118
Coeff. of Variation	0.25634
Coeff. of Skew	0.20893

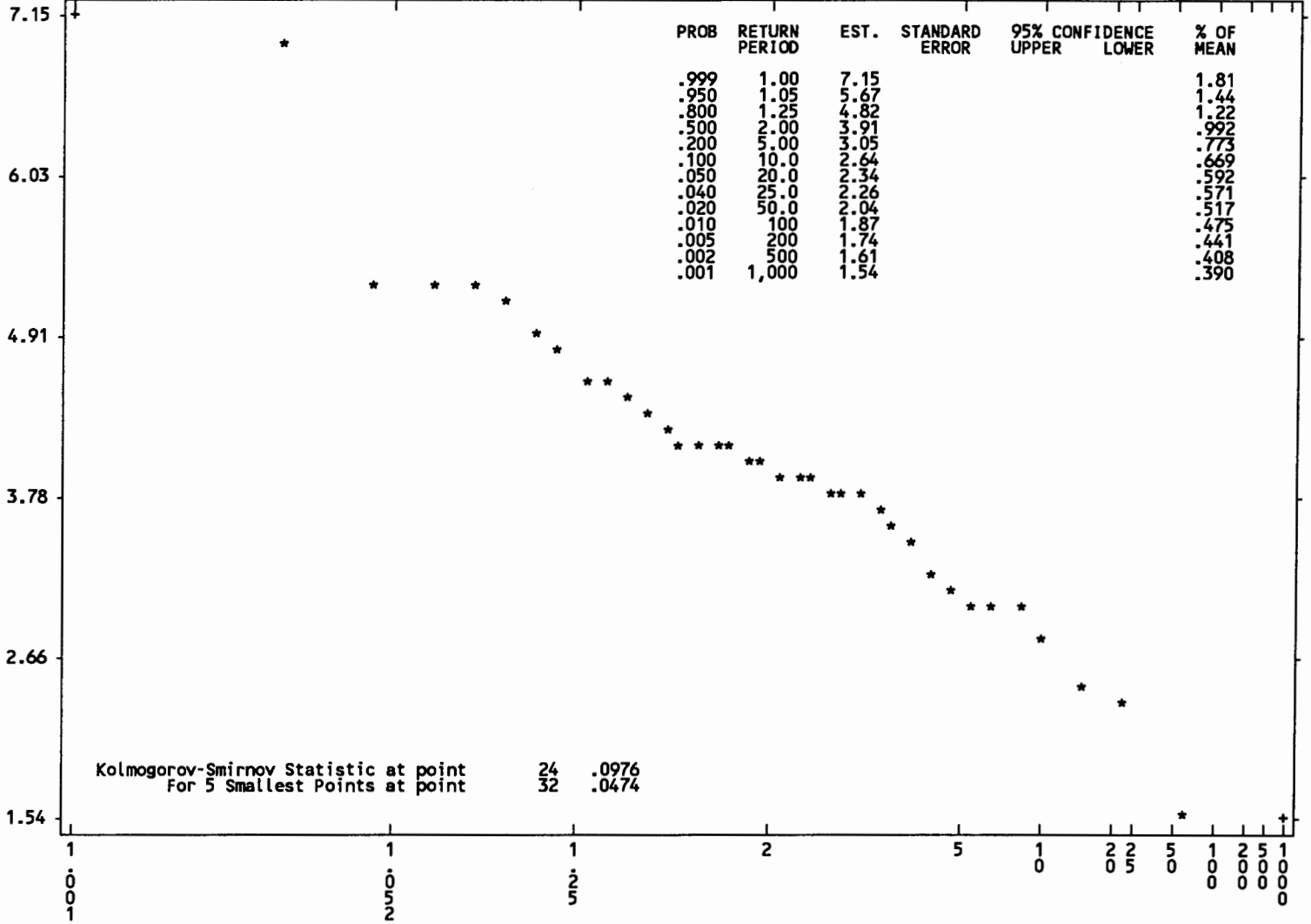
Data to analyze:

1966	4.56	1986	3.53
1967	4.14	1987	4.09
1968	4.55	1988	2.96
1969	4.36	1989	4.15
1970	3.16	1990	2.47
1971	6.92	1991	3.01
1972	5.28	1992	2.29
1973	1.40	1993	3.26
1974	4.78	1994	3.64
1975	3.43	1995	3.85
1976	5.29	1996	3.92
1977	4.06	1997	4.11
1978	4.19	1998	3.77
1979	3.78	1999	4.51
1980	5.28	2000	3.87
1981	3.01	2001	4.02
1982	2.72		
1983	5.08		
1984	4.87		
1985	3.79		

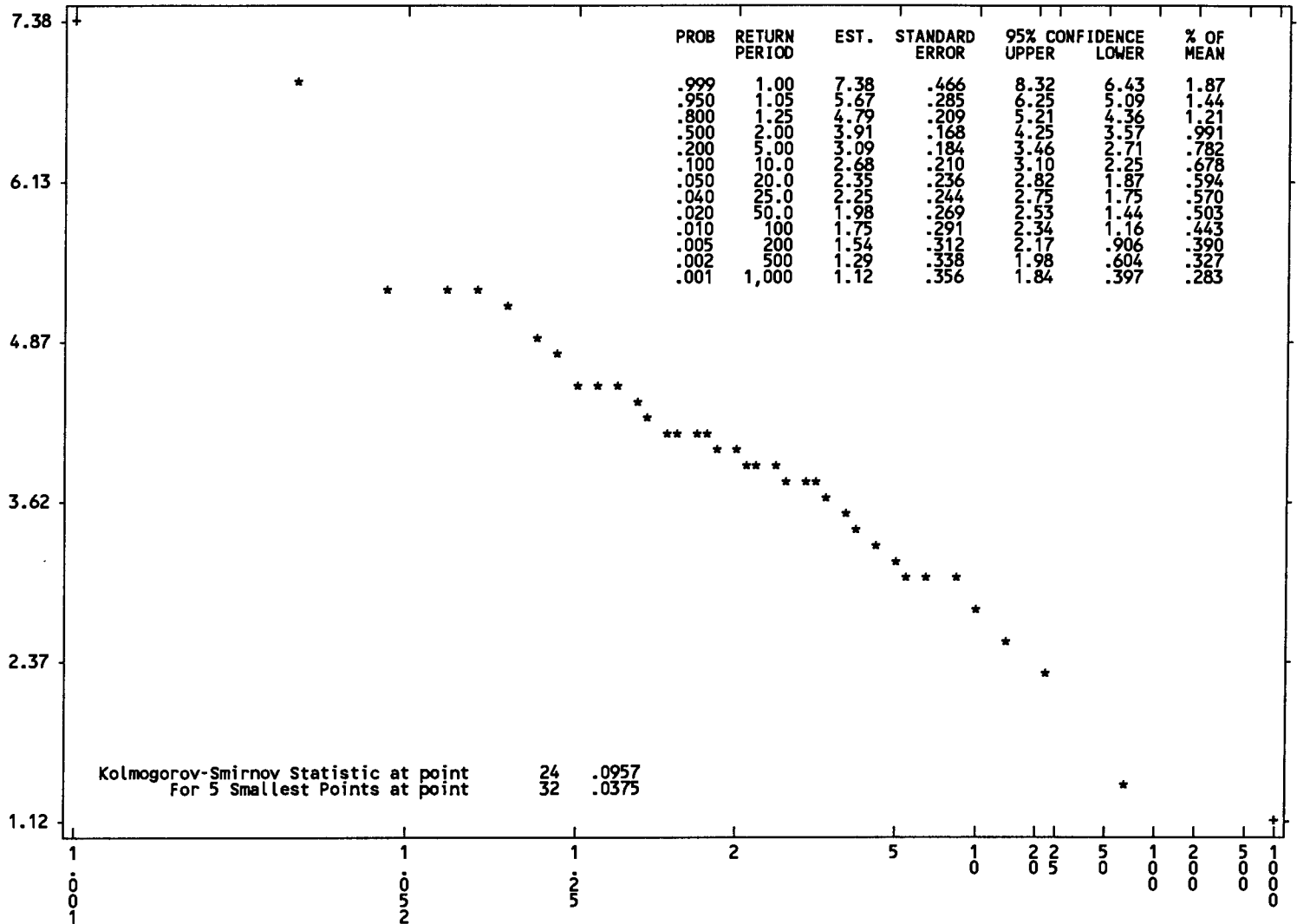
Lower bound by Moments -10.6048
 Lower bound by Maximum Likelihood -21.3329
 Log Statistics: Mean 3.2292
 Standard Dev. 0.39977E-01
 Skew Coef. 0.15119E-01



Lower bound 1.26472
 Characteristic drought 4.27398
 Scale factor 2.87827

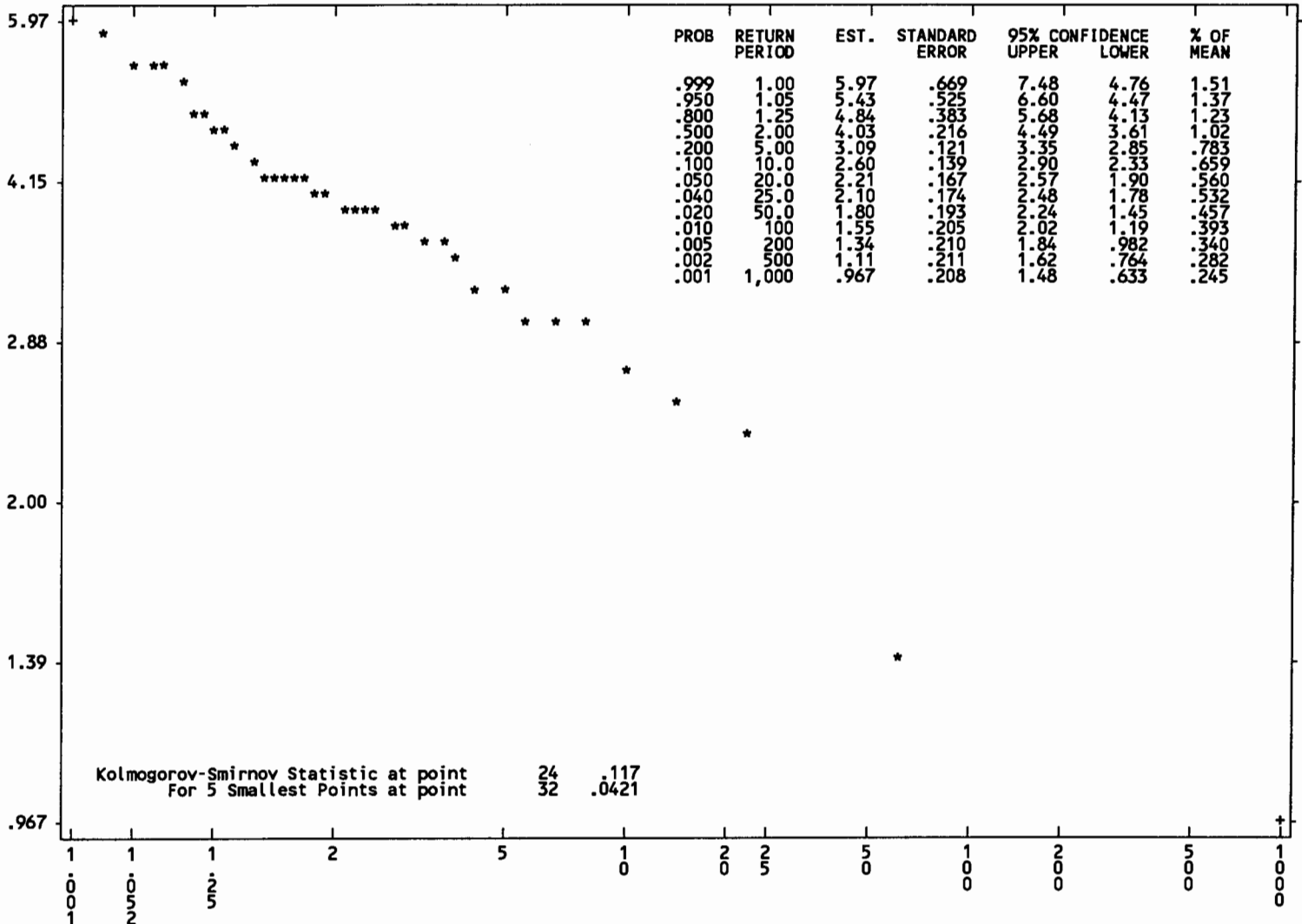


Lower bound -5.7385
 Scale factor 0.10570
 Shape factor 90.63602



Log Statistics: Mean 1.3371
 Standard Dev. 0.28485
 Skew Coeff. -1.1984

Upper bound 6.1259
 Scale factor -0.17068
 Shape factor 1.78528

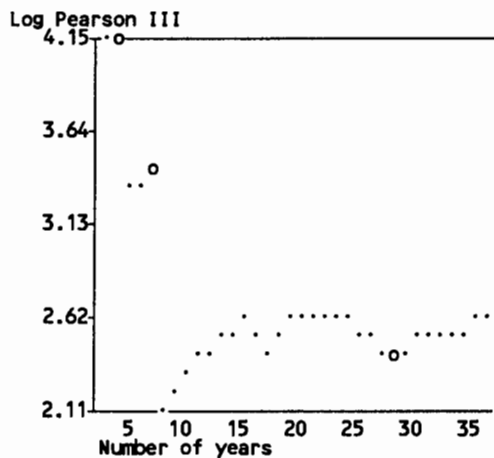
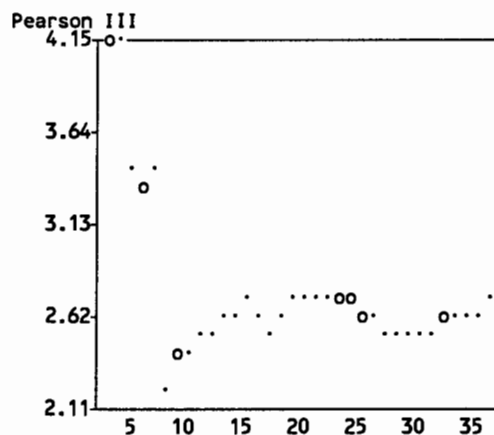
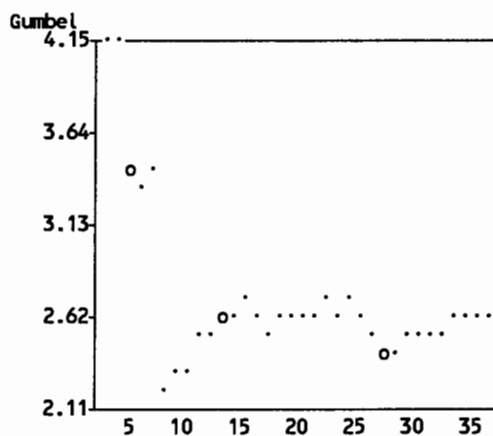
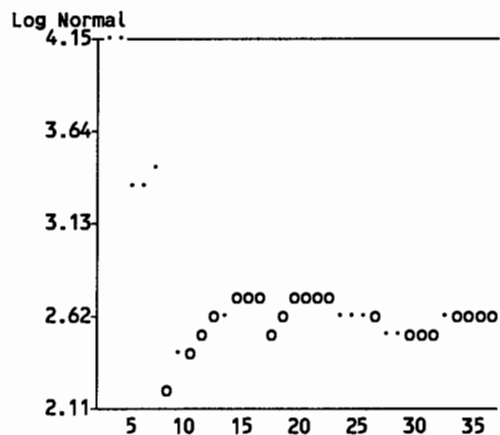


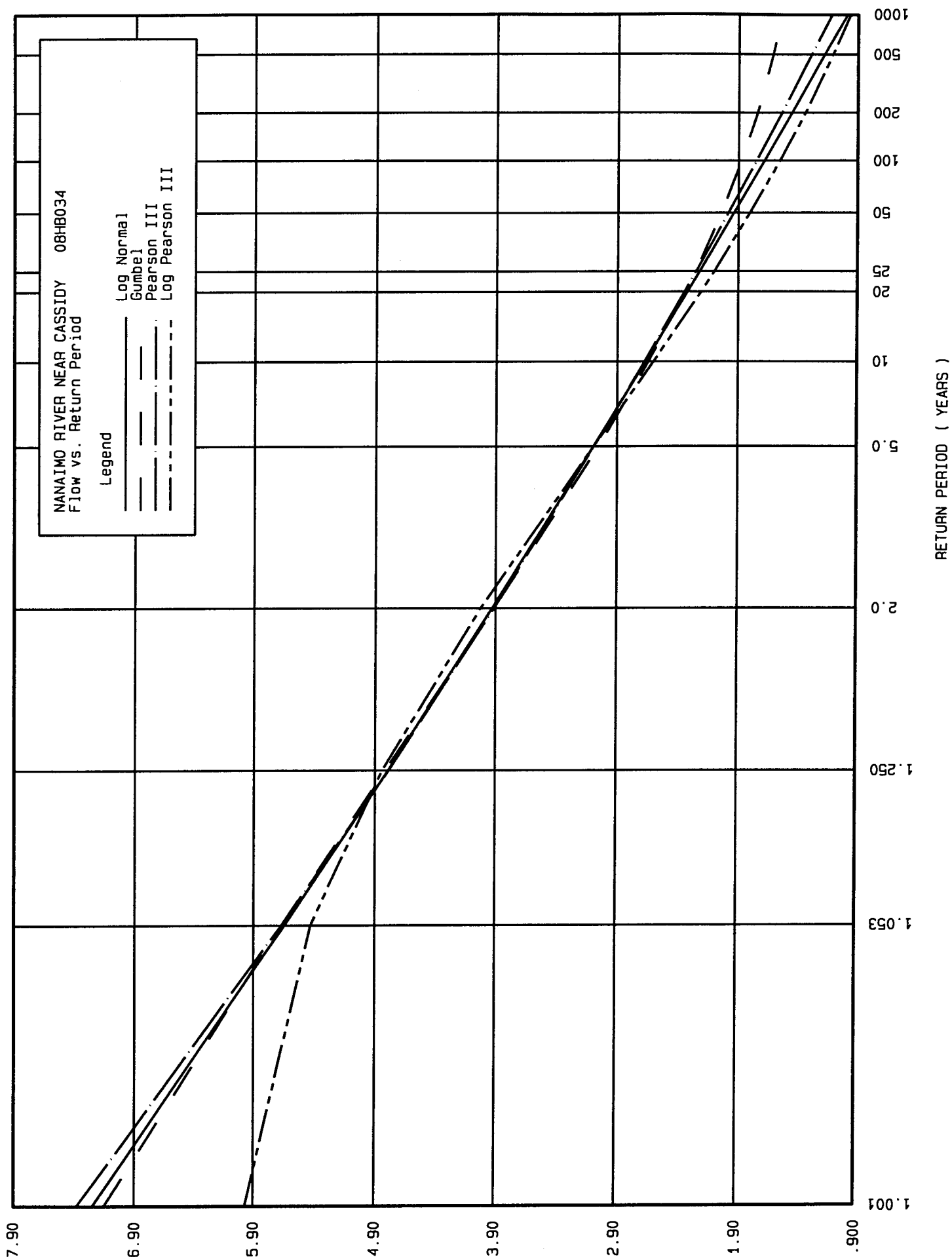
10 year return period vs. number of years.

Years	Log Norm	Gumbel	P3	Log P3	KS Statistics			
3	4.11	4.10	4.10	4.10	0.211	0.182	0.148	0.149
4	4.15	4.14	4.14	4.14	0.152	0.146	0.137	0.135
5	3.38	3.39	3.39	3.37	0.207	0.139	0.151	0.170
6	3.33	3.34	3.32	3.33	0.184	0.180	0.170	0.172
7	3.41	3.41	3.41	3.42	0.136	0.150	0.137	0.131
8	2.21	2.17	2.21	2.11	0.132	0.142	0.137	0.167
9	2.38	2.35	2.37	2.24	0.143	0.135	0.132	0.174
10	2.39	2.34	2.38	2.26	0.111	0.123	0.117	0.165
11	2.52	2.48	2.50	2.37	0.115	0.123	0.121	0.168
12	2.58	2.54	2.57	2.43	0.112	0.117	0.114	0.159
13	2.65	2.60	2.63	2.50	0.136	0.124	0.126	0.169
14	2.67	2.62	2.66	2.53	0.098	0.108	0.102	0.170
15	2.76	2.71	2.74	2.60	0.117	0.124	0.122	0.160
16	2.67	2.63	2.66	2.55	0.103	0.109	0.105	0.133
17	2.57	2.52	2.56	2.47	0.092	0.098	0.092	0.113
18	2.63	2.59	2.63	2.52	0.105	0.110	0.106	0.130
19	2.69	2.65	2.68	2.58	0.113	0.118	0.114	0.139
20	2.71	2.67	2.70	2.60	0.105	0.110	0.106	0.125
21	2.71	2.67	2.70	2.60	0.097	0.102	0.097	0.109
22	2.74	2.70	2.74	2.63	0.093	0.098	0.094	0.099
23	2.64	2.65	2.69	2.60	0.115	0.091	0.086	0.089
24	2.67	2.68	2.72	2.63	0.130	0.088	0.083	0.096
25	2.59	2.59	2.62	2.54	0.129	0.083	0.078	0.082
26	2.60	2.56	2.60	2.53	0.073	0.077	0.074	0.074
27	2.50	2.46	2.50	2.44	0.075	0.074	0.077	0.074
28	2.50	2.47	2.50	2.45	0.069	0.070	0.071	0.067
29	2.52	2.48	2.52	2.46	0.061	0.066	0.062	0.061
30	2.54	2.51	2.54	2.48	0.059	0.064	0.059	0.073
31	2.56	2.53	2.57	2.50	0.056	0.062	0.057	0.085
32	2.59	2.56	2.59	2.53	0.067	0.068	0.066	0.099
33	2.60	2.58	2.61	2.54	0.074	0.078	0.076	0.108
34	2.63	2.60	2.64	2.56	0.072	0.079	0.077	0.097
35	2.65	2.62	2.66	2.58	0.082	0.090	0.088	0.106
36	2.67	2.64	2.68	2.60	0.090	0.098	0.096	0.117

10 year return period vs. number of years.

"o" indicates lowest KS statistic.



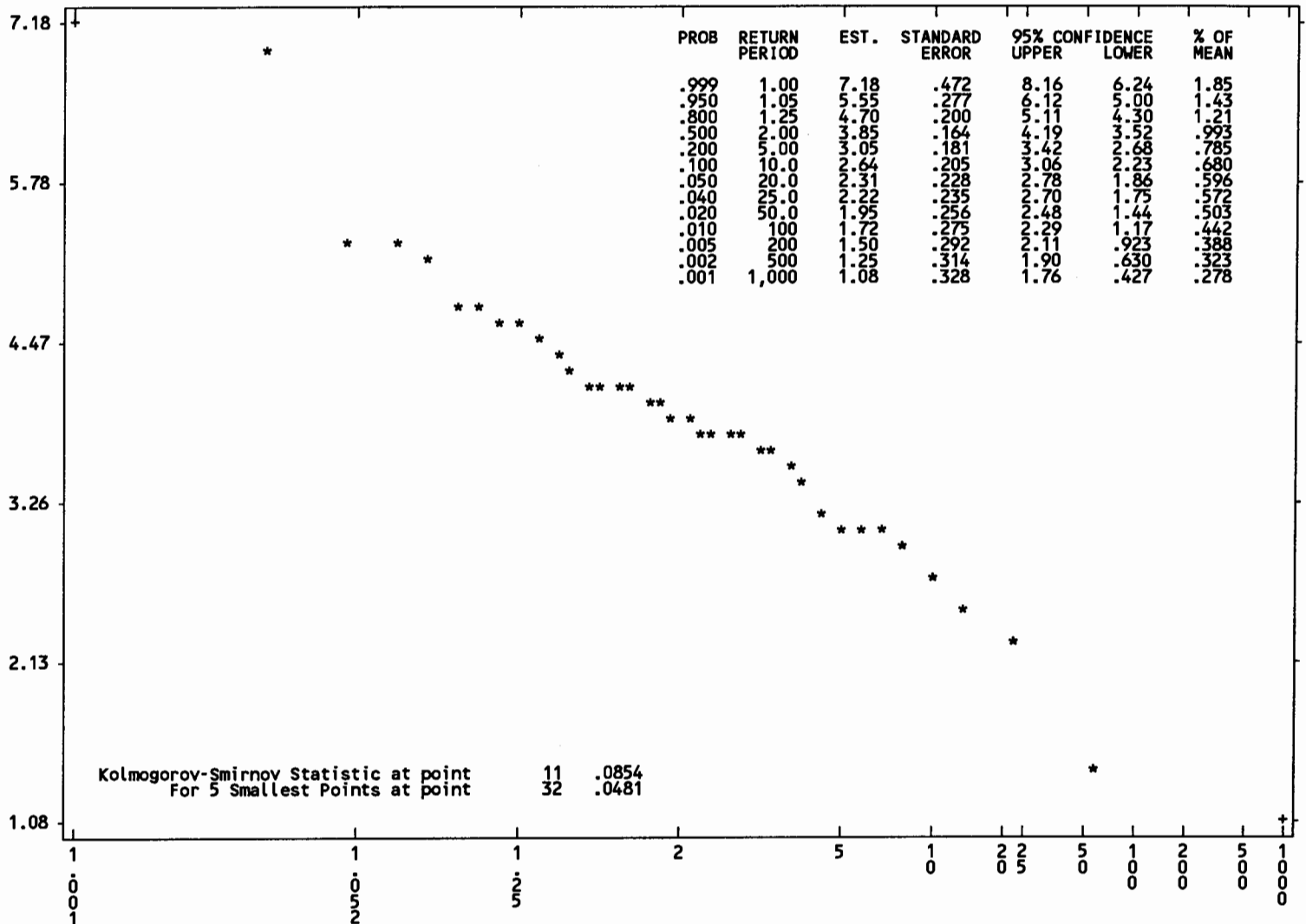


Analysis type	Low Flow
Sample Size	36
Maximum	6.9200
Minimum	1.4000
Range	5.5200
Median	3.8600
Mean	3.8803
Variance	0.97328
Standard Deviation	0.98655
Coeff. of Variation	0.25425
Coeff. of Skew	0.34024

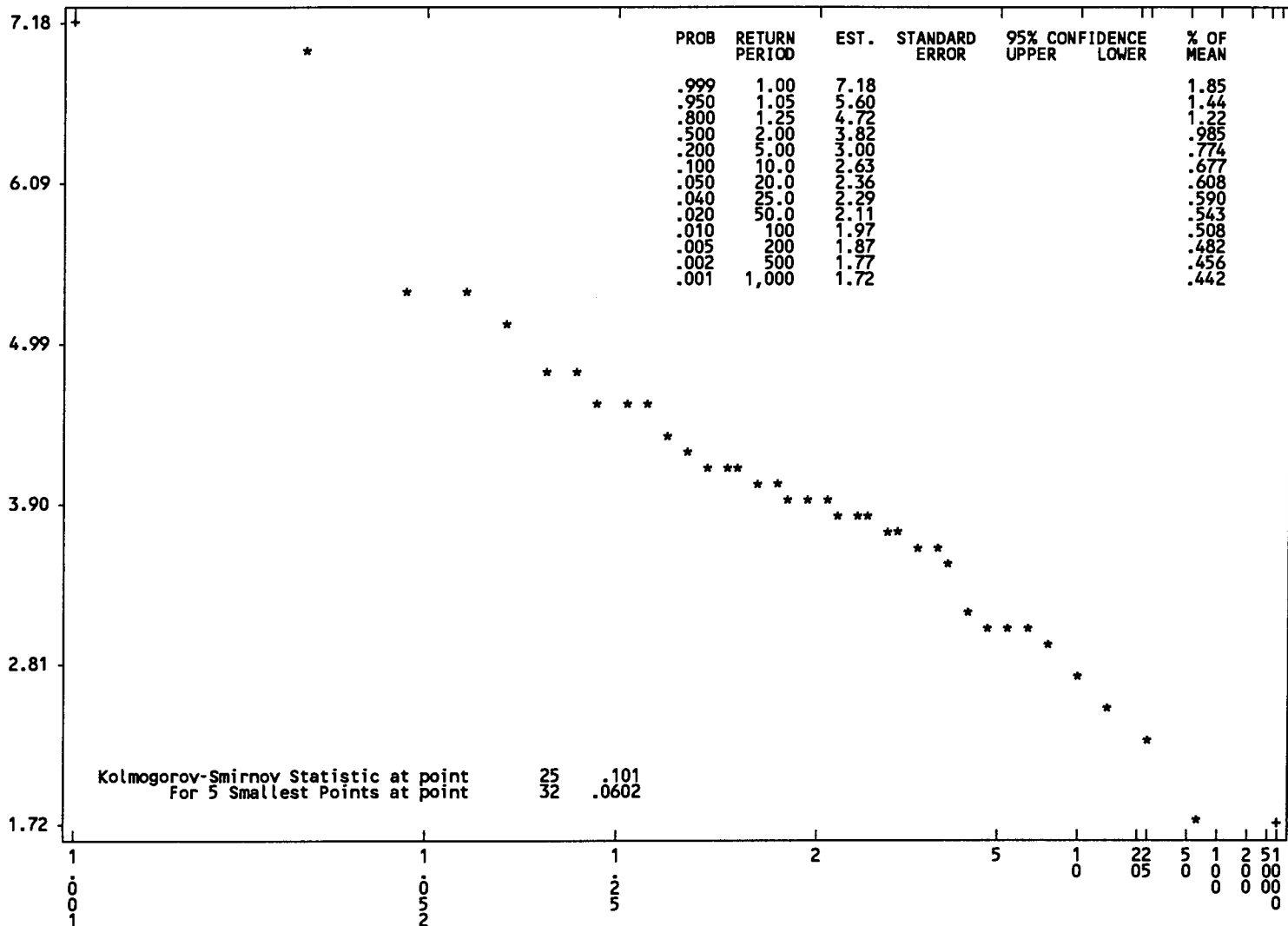
Data to analyze:

1966	4.56	1986	3.53
1967	4.14	1987	3.62
1968	4.55	1988	2.96
1969	4.36	1989	4.15
1970	3.16	1990	2.47
1971	6.92	1991	3.01
1972	3.70	1992	2.29
1973	1.40	1993	3.06
1974	4.78	1994	3.64
1975	3.43	1995	3.85
1976	5.27	1996	3.92
1977	4.06	1997	4.11
1978	4.19	1998	3.77
1979	3.78	1999	4.51
1980	5.28	2000	3.87
1981	3.01	2001	4.02
1982	2.72		
1983	5.08		
1984	4.73		
1985	3.79		

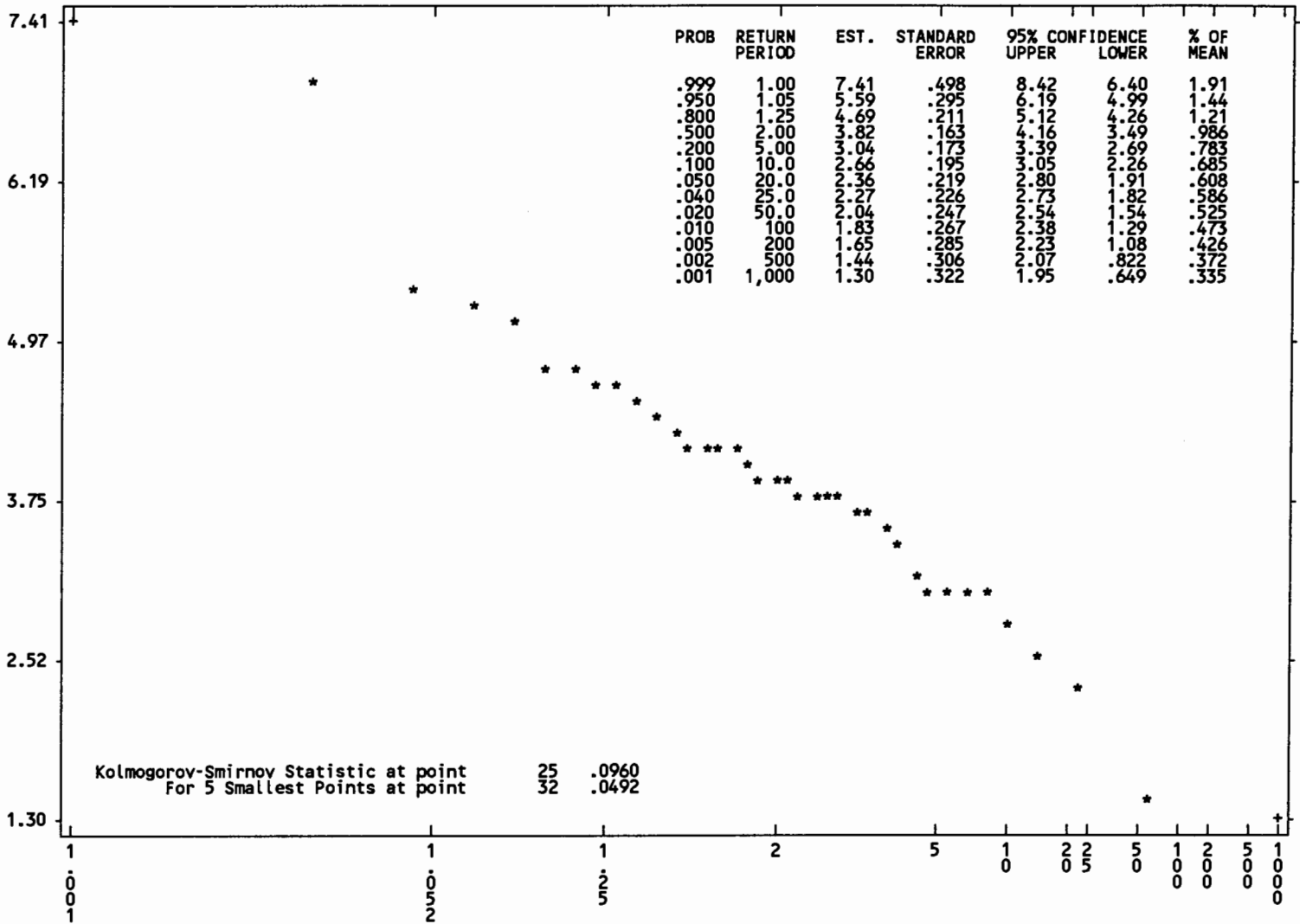
Lower bound by Moments -4.85545
 Lower bound by Maximum Likelihood -12.8828
 Log Statistics: Mean 2.8175
 Standard Dev. 0.58677E-01
 Skew Coef. 0.27923E-01



Lower bound 1.54122
 Characteristic drought 4.17639
 Scale factor 2.54065

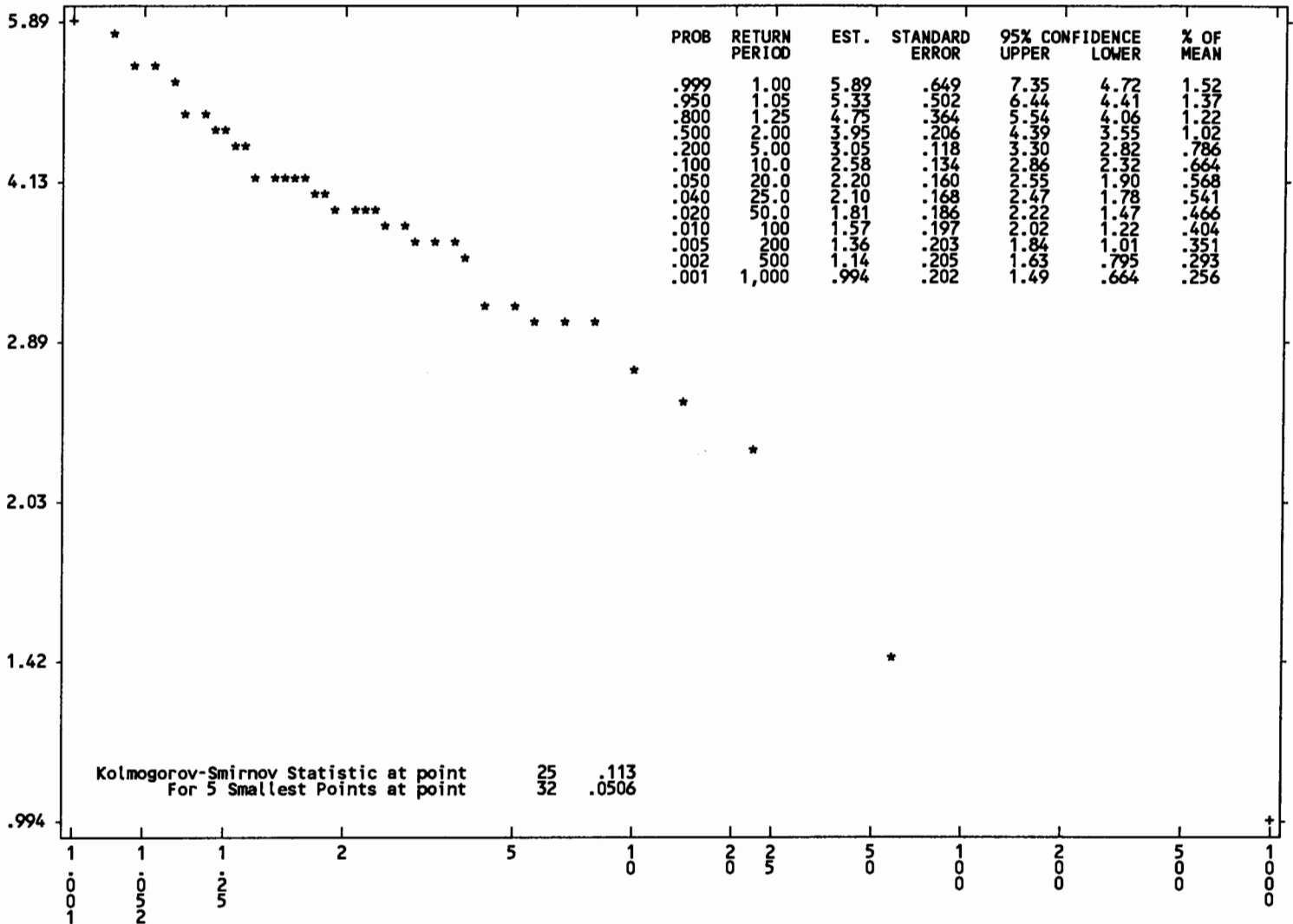


Lower bound -1.9189
 Scale factor 0.16783
 Shape factor 33.55345



Log Statistics: Mean 1.3212
 Standard Dev. 0.27928
 Skew Coeff. -1.1567

Upper bound 6.0745
 Scale factor -0.16152
 Shape factor 1.98980



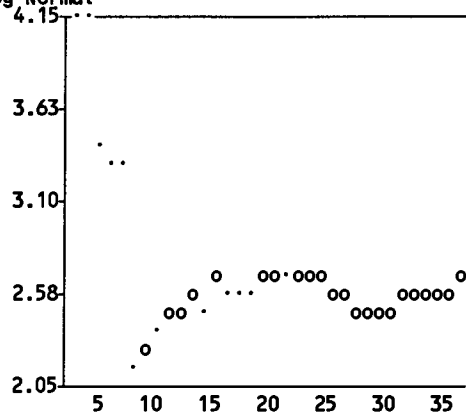
10 year return period vs. number of years.

Years	Log Norm	Gumbel	P3	Log P3	KS Statistics			
3	4.11	4.10	4.10	4.10	0.211	0.182	0.148	0.149
4	4.15	4.14	4.14	4.14	0.152	0.146	0.137	0.135
5	3.38	3.39	3.39	3.37	0.207	0.139	0.151	0.170
6	3.33	3.34	3.32	3.33	0.184	0.180	0.170	0.172
7	3.32	3.33	3.31	3.32	0.158	0.144	0.147	0.146
8	2.13	2.08	2.13	2.05	0.184	0.188	0.181	0.227
9	2.29	2.24	2.28	2.18	0.168	0.177	0.170	0.222
10	2.32	2.27	2.32	2.21	0.154	0.160	0.152	0.205
11	2.43	2.38	2.43	2.31	0.109	0.119	0.112	0.166
12	2.51	2.46	2.50	2.38	0.117	0.126	0.118	0.179
13	2.58	2.53	2.57	2.45	0.125	0.134	0.127	0.193
14	2.51	2.57	2.61	2.48	0.170	0.130	0.123	0.193
15	2.69	2.64	2.68	2.55	0.096	0.107	0.101	0.173
16	2.54	2.58	2.62	2.51	0.137	0.093	0.086	0.150
17	2.53	2.49	2.54	2.44	0.075	0.079	0.072	0.122
18	2.54	2.55	2.59	2.49	0.120	0.088	0.082	0.104
19	2.65	2.61	2.65	2.54	0.088	0.093	0.088	0.113
20	2.67	2.63	2.67	2.57	0.082	0.087	0.082	0.113
21	2.67	2.64	2.68	2.58	0.076	0.081	0.076	0.106
22	2.68	2.65	2.69	2.59	0.070	0.078	0.071	0.101
23	2.64	2.62	2.65	2.56	0.064	0.069	0.064	0.086
24	2.68	2.65	2.69	2.59	0.062	0.068	0.063	0.100
25	2.59	2.56	2.60	2.52	0.059	0.064	0.059	0.078
26	2.57	2.54	2.58	2.50	0.054	0.060	0.055	0.072
27	2.48	2.45	2.49	2.43	0.052	0.057	0.053	0.056
28	2.47	2.45	2.48	2.42	0.050	0.064	0.053	0.052
29	2.49	2.47	2.50	2.44	0.053	0.068	0.056	0.061
30	2.51	2.50	2.53	2.46	0.054	0.069	0.057	0.071
31	2.53	2.52	2.55	2.48	0.056	0.071	0.067	0.083
32	2.56	2.55	2.58	2.50	0.065	0.077	0.072	0.097
33	2.58	2.57	2.59	2.52	0.072	0.089	0.084	0.104
34	2.60	2.59	2.62	2.54	0.072	0.087	0.082	0.093
35	2.62	2.61	2.64	2.56	0.080	0.096	0.091	0.103
36	2.64	2.63	2.66	2.58	0.085	0.101	0.096	0.113

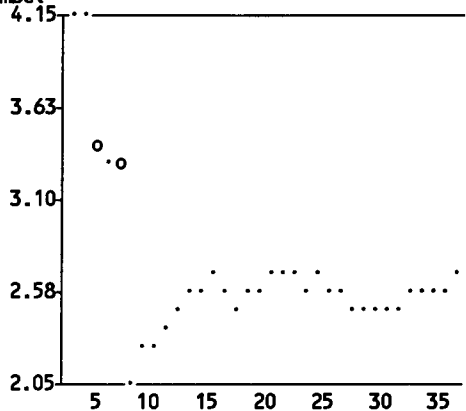
10 year return period vs. number of years.

"o" indicates lowest KS statistic.

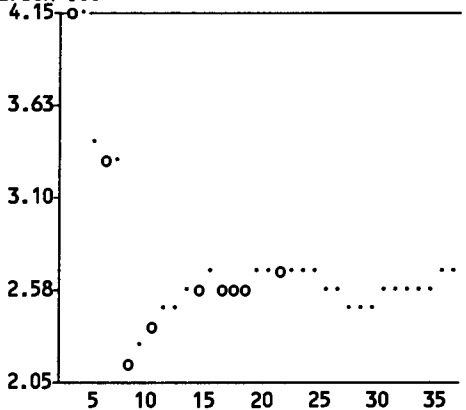
Log Normal



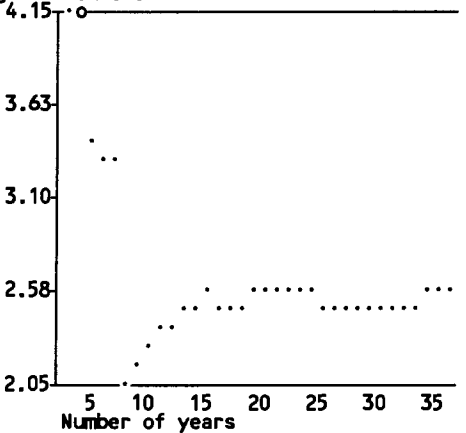
Gumbel

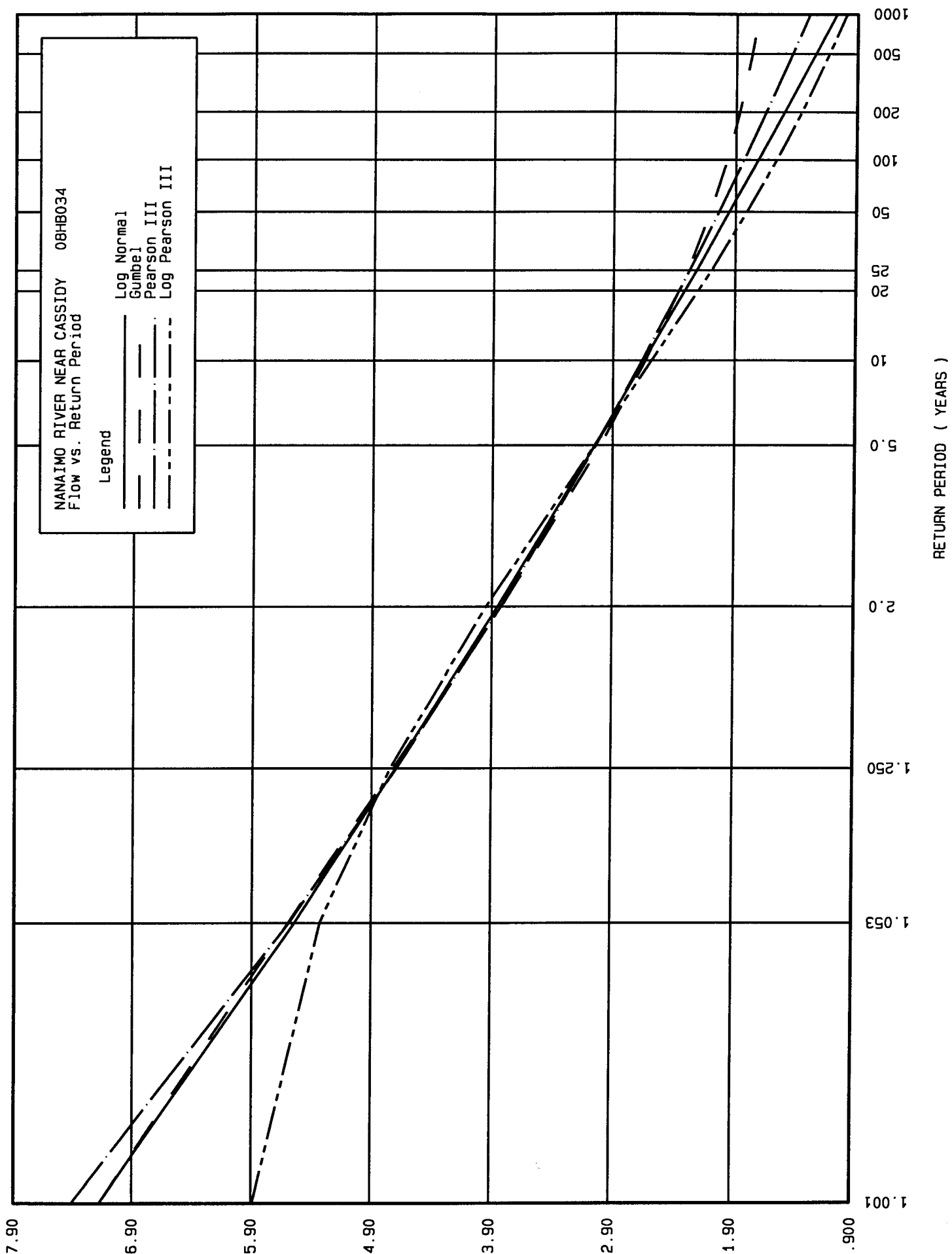


Pearson III



Log Pearson III



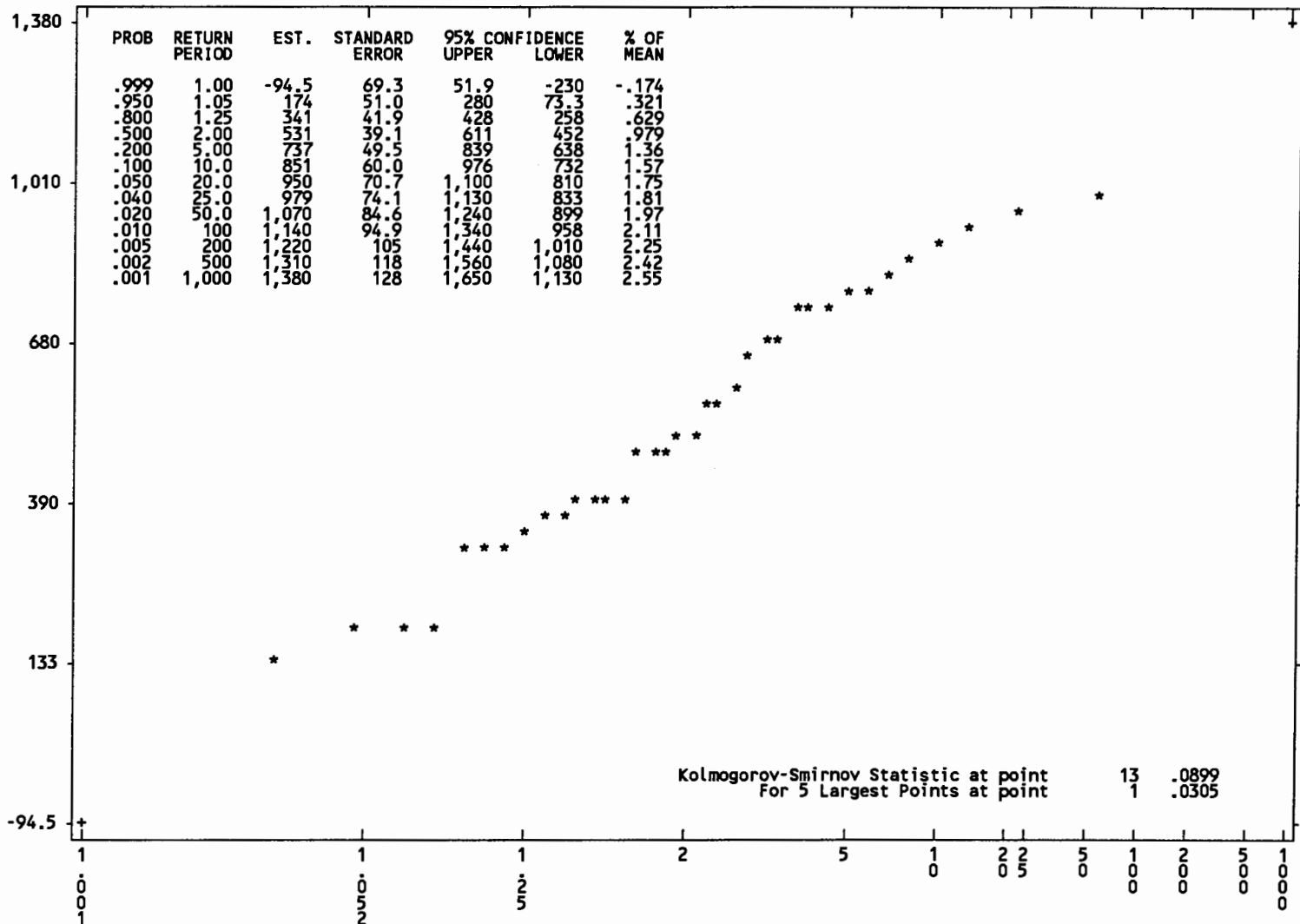


Analysis type	Flood
Sample Size	36
Maximum	958.00
Minimum	142.00
Range	816.00
Median	500.00
Mean	541.92
Variance	55406.
Standard Deviation	235.38
Coeff. of Variation	0.43436
Coeff. of Skew	0.10612

Data to analyze:

1966	490	1986	781
1967	402	1987	467
1968	660	1988	360
1969	337	1989	382
1970	297	1990	951
1971	368	1991	791
1972	688	1992	745
1973	688	1993	470
1974	903	1994	742
1975	510	1995	471
1976	185	1996	317
1977	320	1997	844
1978	179	1998	731
1979	765	1999	398
1980	958	2000	180
1981	585	2001	568
1982	391		
1983	870		
1984	573		
1985	142		

Lower bound by Moments -6115.27
Lower bound by Maximum Likelihood -1842.93
Log Statistics: Mean 7.7721
Standard Dev. 0.98921E-01
Skew Coef. -0.35742E-01

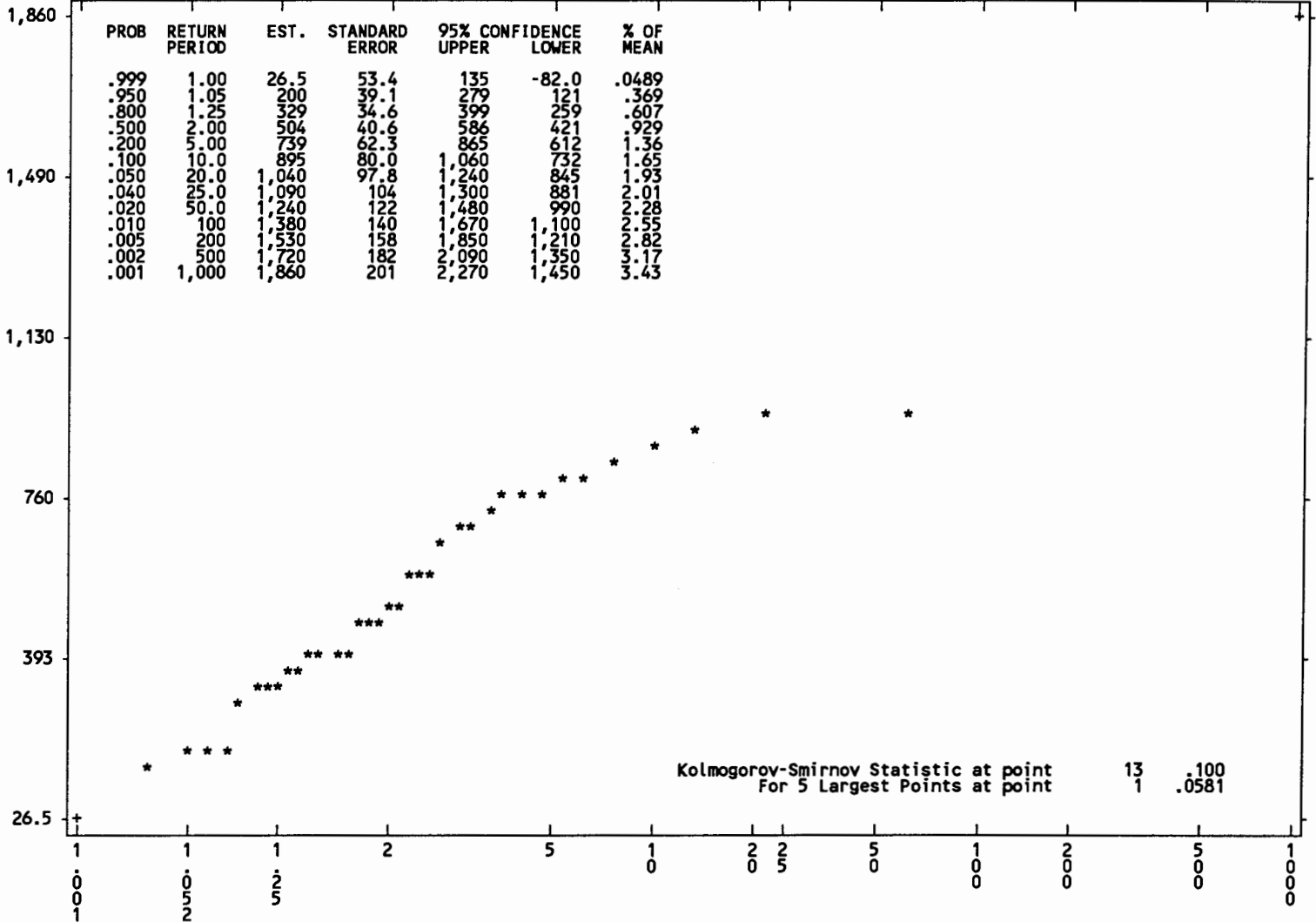


Scale and location parameters estimated by the method of moments

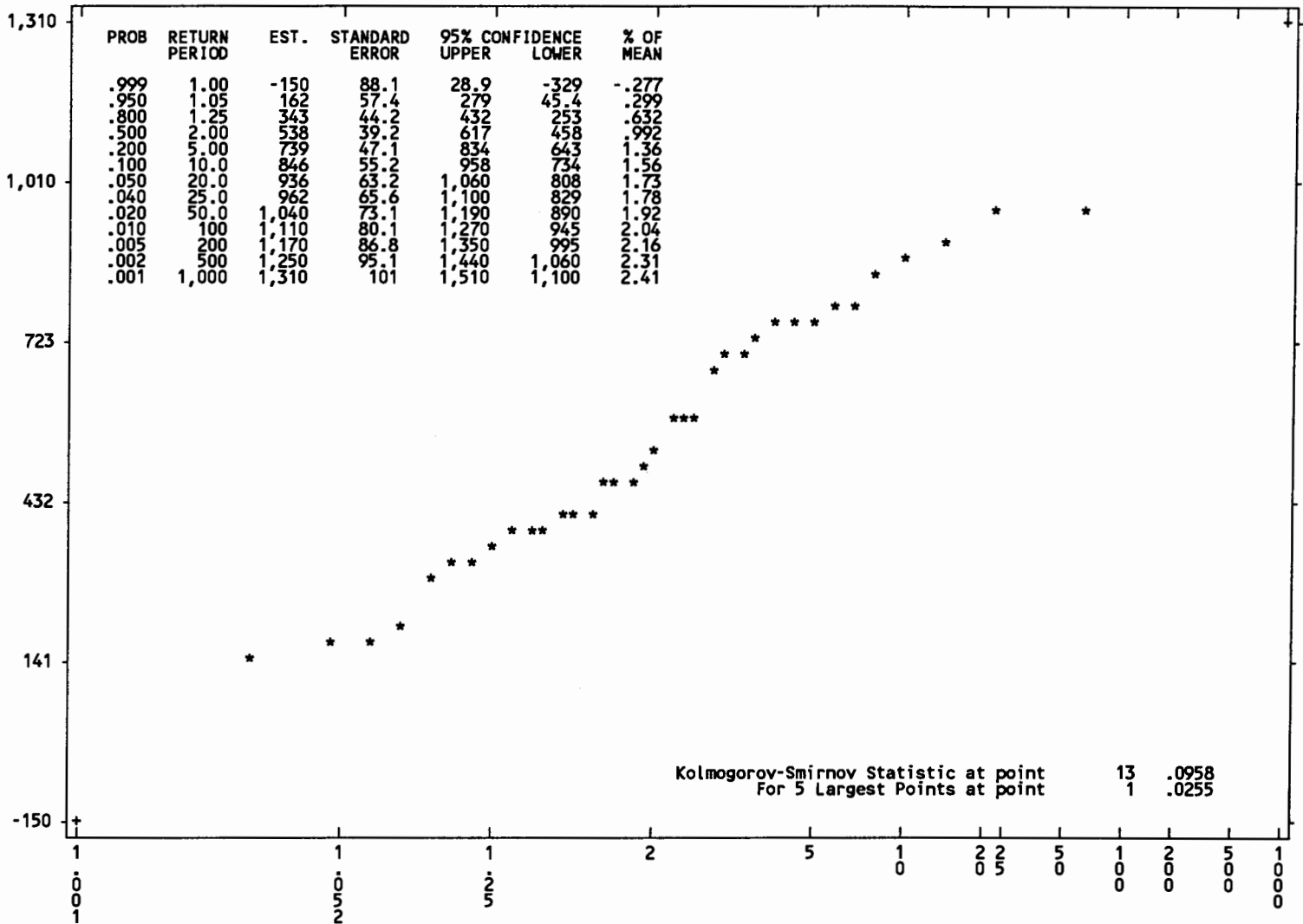
a = 0.544874E-02
 u = 435.981

Scale and location parameters estimated by the method of maximum likelihood

a = 0.481887E-02
 u = 427.561

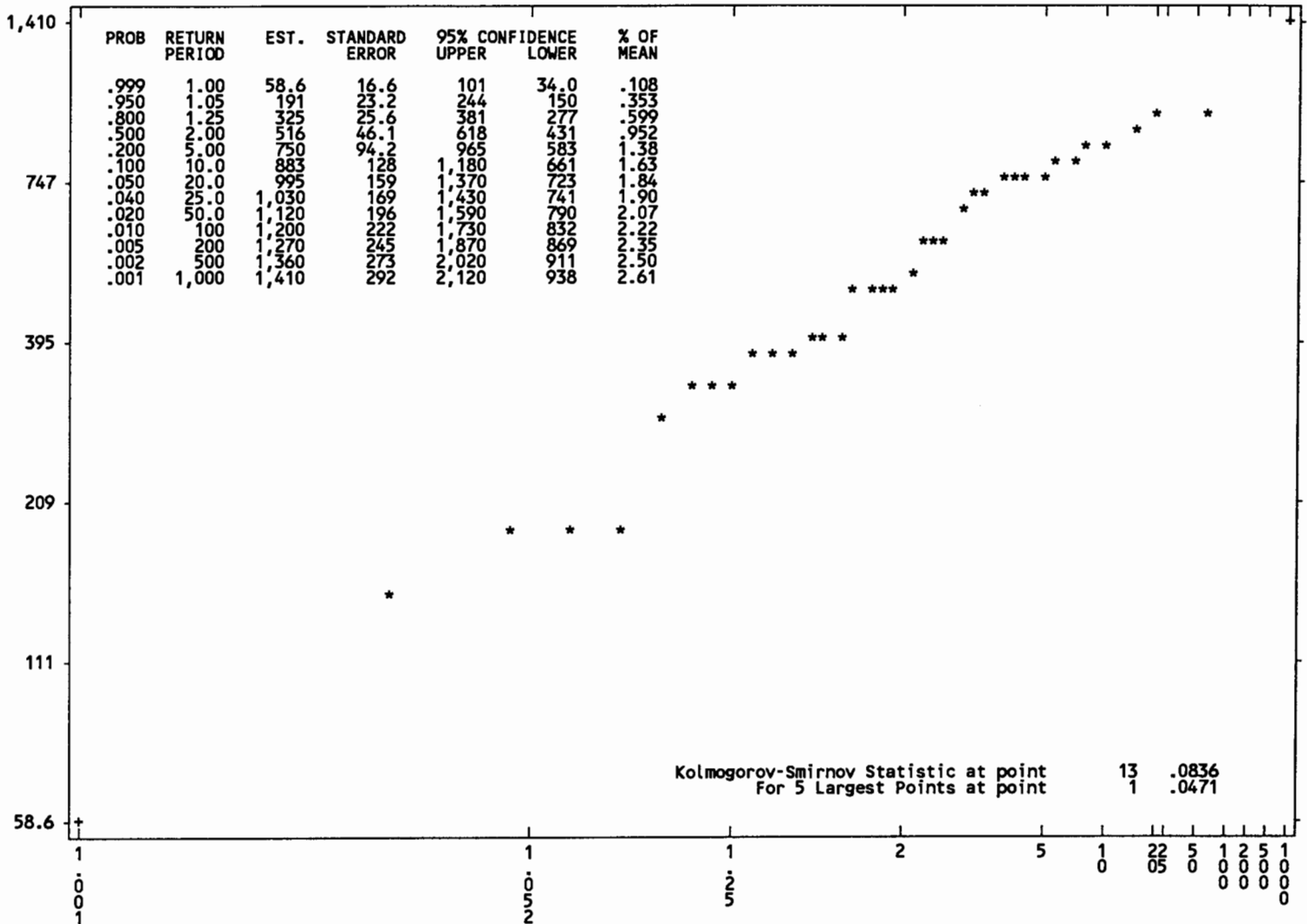


Lower bound -3894.3620
Scale factor 12.48926
Shape factor 354.20740



Log Statistics: Mean 6.1839
Standard Dev. 0.50921
Skew Coeff. -0.73367

Upper bound 1943.1240
Scale factor -0.18679
Shape factor 6.43127

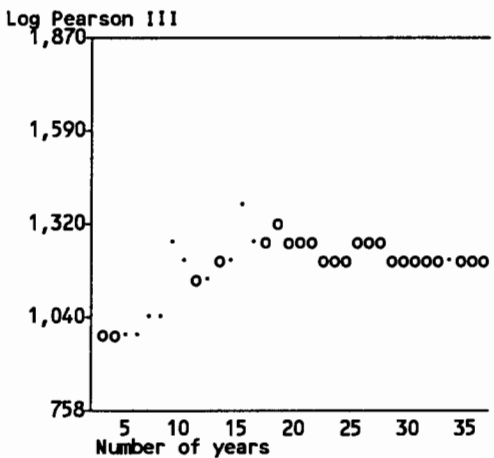
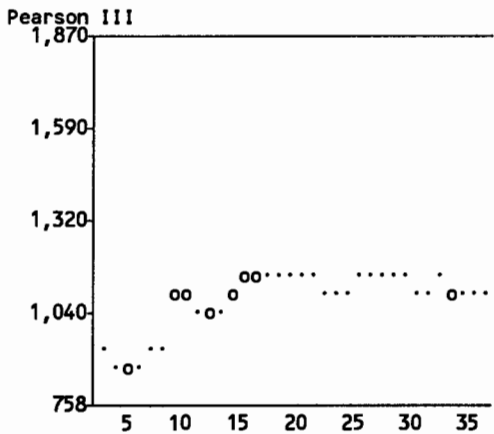
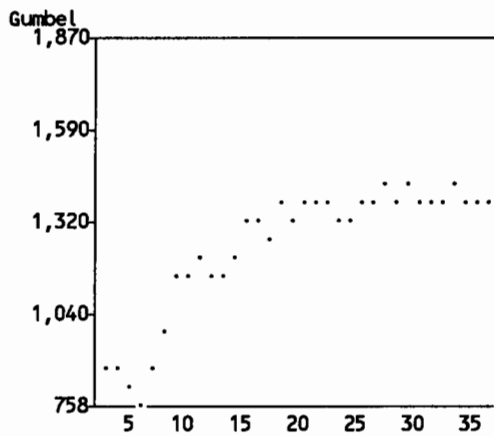
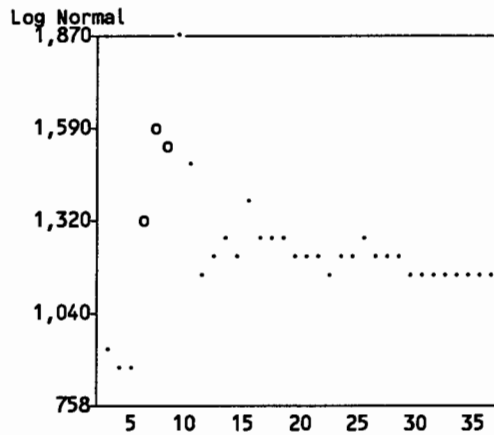


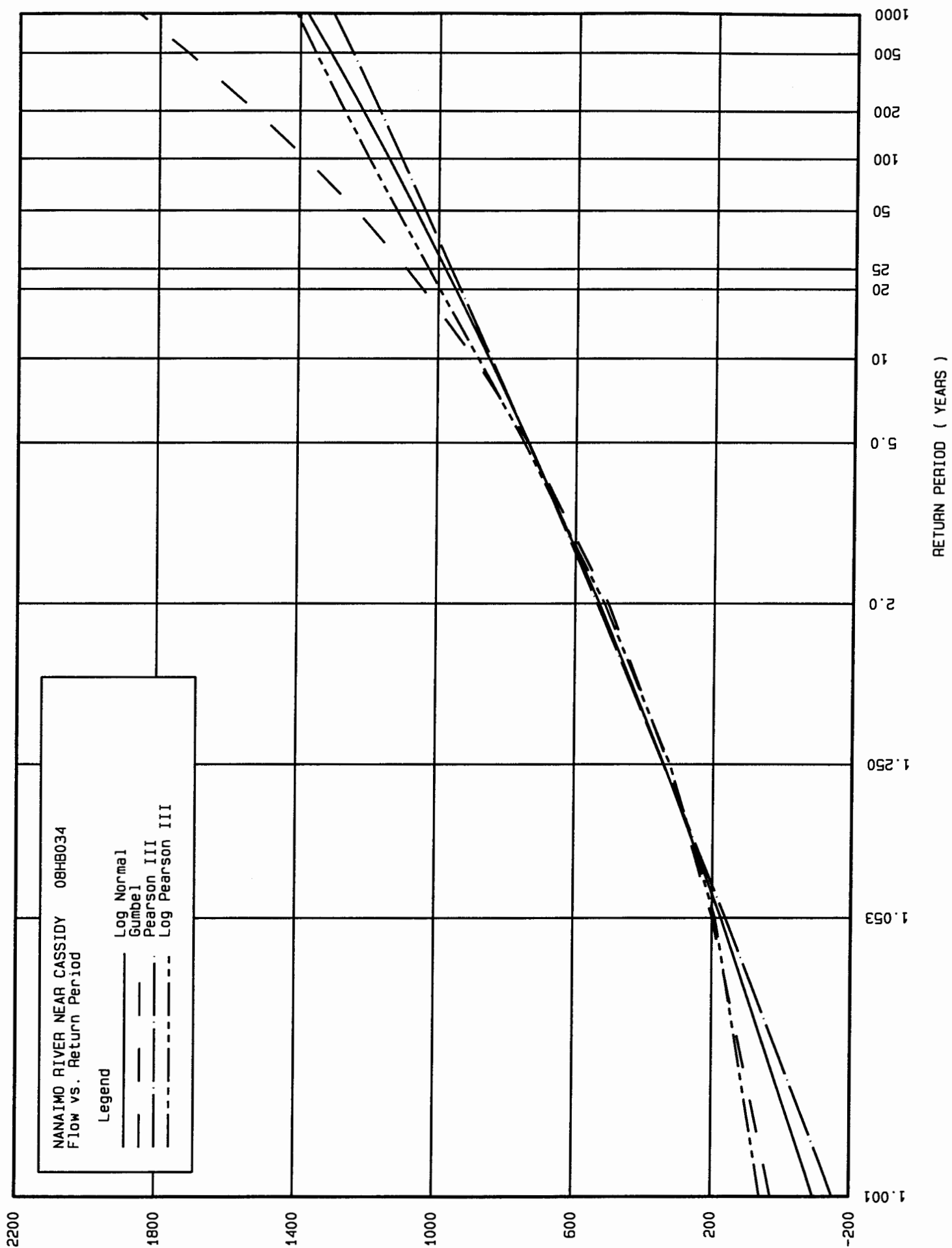
100 year return period vs. number of years.

Years	Log Norm	Gumbel	P3	Log P3	KS Statistics			
3	905	855	905	1,010	0.053	0.091	0.050	0.043
4	894	845	888	1,997	0.054	0.073	0.043	0.035
5	875	819	876	1,000	0.064	0.092	0.041	0.049
6	1,340	758	851	957	0.040	0.085	0.066	0.051
7	1,600	897	904	1,040	0.081	0.137	0.115	0.108
8	1,530	995	908	1,050	0.147	0.183	0.164	0.162
9	1,870	1,160	1,090	1,270	0.161	0.171	0.134	0.153
10	1,480	1,130	1,070	1,200	0.130	0.143	0.112	0.126
11	1,140	1,200	1,060	1,130	0.106	0.117	0.102	0.098
12	1,190	1,150	1,060	1,160	0.104	0.117	0.100	0.101
13	1,240	1,150	1,060	1,200	0.097	0.111	0.096	0.094
14	1,230	1,220	1,070	1,220	0.120	0.130	0.113	0.115
15	1,370	1,320	1,160	1,350	0.119	0.128	0.100	0.113
16	1,260	1,320	1,140	1,280	0.090	0.100	0.083	0.085
17	1,270	1,280	1,130	1,260	0.086	0.095	0.105	0.080
18	1,280	1,350	1,150	1,300	0.091	0.102	0.111	0.087
19	1,220	1,340	1,130	1,250	0.085	0.081	0.099	0.067
20	1,220	1,360	1,130	1,270	0.074	0.079	0.092	0.062
21	1,180	1,390	1,130	1,260	0.085	0.092	0.096	0.074
22	1,170	1,370	1,120	1,230	0.069	0.082	0.076	0.063
23	1,190	1,340	1,120	1,220	0.074	0.080	0.090	0.063
24	1,200	1,310	1,110	1,210	0.087	0.078	0.104	0.071
25	1,260	1,370	1,150	1,270	0.089	0.079	0.107	0.071
26	1,230	1,390	1,150	1,260	0.096	0.090	0.110	0.072
27	1,180	1,410	1,140	1,240	0.102	0.102	0.110	0.081
28	1,180	1,390	1,130	1,220	0.086	0.093	0.094	0.073
29	1,150	1,410	1,120	1,200	0.091	0.104	0.095	0.082
30	1,150	1,390	1,120	1,180	0.083	0.097	0.081	0.075
31	1,180	1,370	1,120	1,200	0.087	0.097	0.089	0.078
32	1,160	1,400	1,120	1,210	0.092	0.102	0.092	0.083
33	1,130	1,410	1,110	1,190	0.096	0.114	0.093	0.094
34	1,150	1,390	1,110	1,190	0.098	0.111	0.104	0.092
35	1,160	1,390	1,120	1,230	0.100	0.110	0.102	0.094
36	1,140	1,380	1,110	1,200	0.090	0.100	0.096	0.084

100 year return period vs. number of years.

"o" indicates lowest KS statistic.



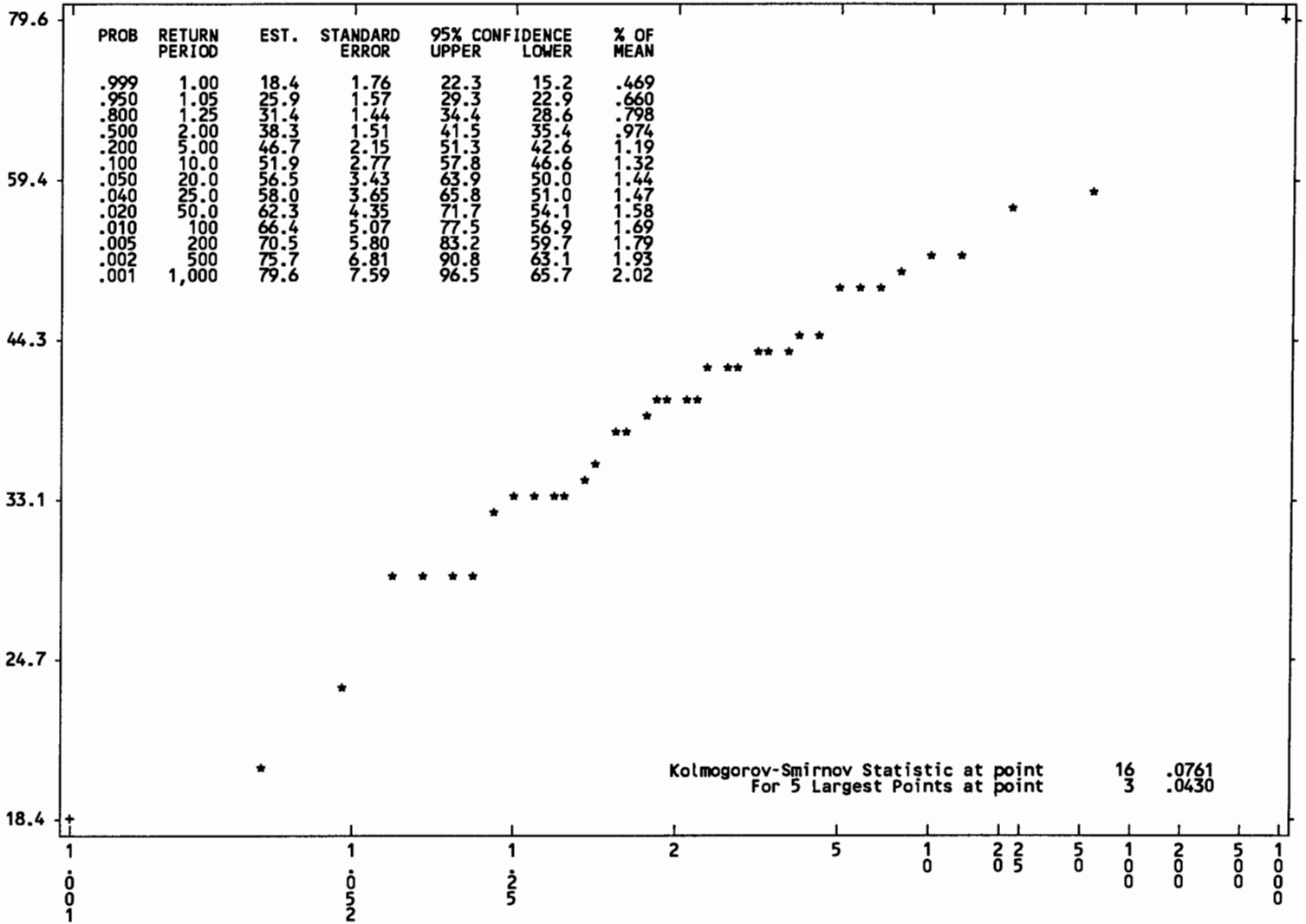


Analysis type Flood
 Sample Size 36
 Maximum 57.900
 Minimum 20.000
 Range 37.900
 Median 39.200
 Mean 39.311
 Variance 77.143
 Standard Deviation 8.7831
 Coeff. of Variation 0.22343
 Coeff. of Skew 0.14429E-01

Data to analyze:

1966	48.1	1986	39.9
1967	42.9	1987	35.3
1968	50.9	1988	33.0
1969	39.1	1989	28.6
1970	28.2	1990	42.9
1971	43.2	1991	37.5
1972	42.0	1992	33.4
1973	37.2	1993	28.8
1974	50.6	1994	39.2
1975	48.7	1995	49.3
1976	32.2	1996	33.2
1977	34.3	1997	57.9
1978	23.5	1998	43.9
1979	38.2	1999	56.5
1980	44.7	2000	28.3
1981	41.9	2001	32.9
1982	39.2		
1983	47.9		
1984	41.8		
1985	20.0		

Magnitude of Skew coefficient or Maximum Likelihood analysis indicates lower/upper bound approaching infinity
 Analysis reverted to using 2 parameter Log Normal Distribution
 Log Statistics: Mean 3.6455
 Standard Dev. 0.23671
 Skew Coef. -0.62709

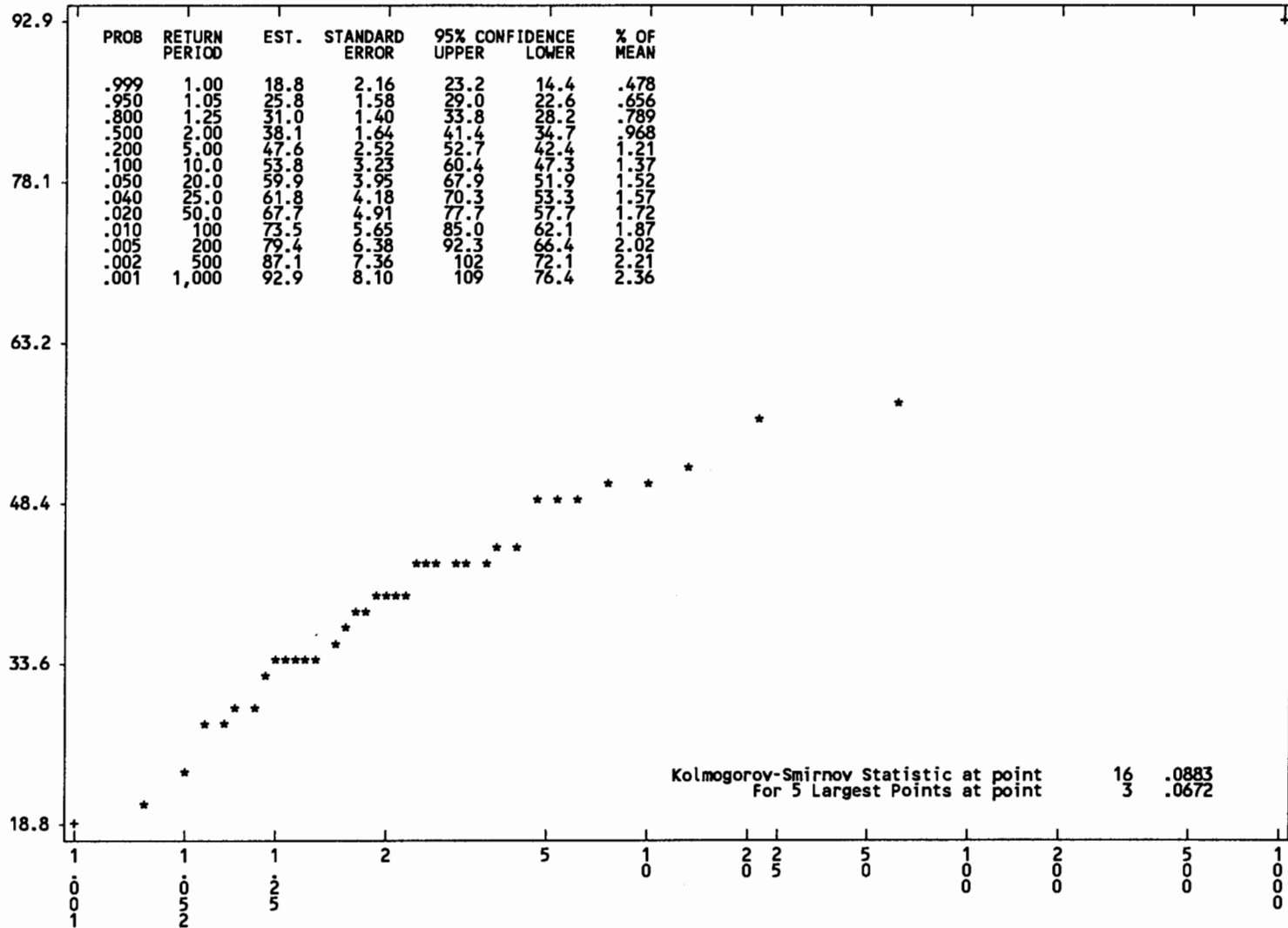


Scale and location parameters estimated by the method of moments

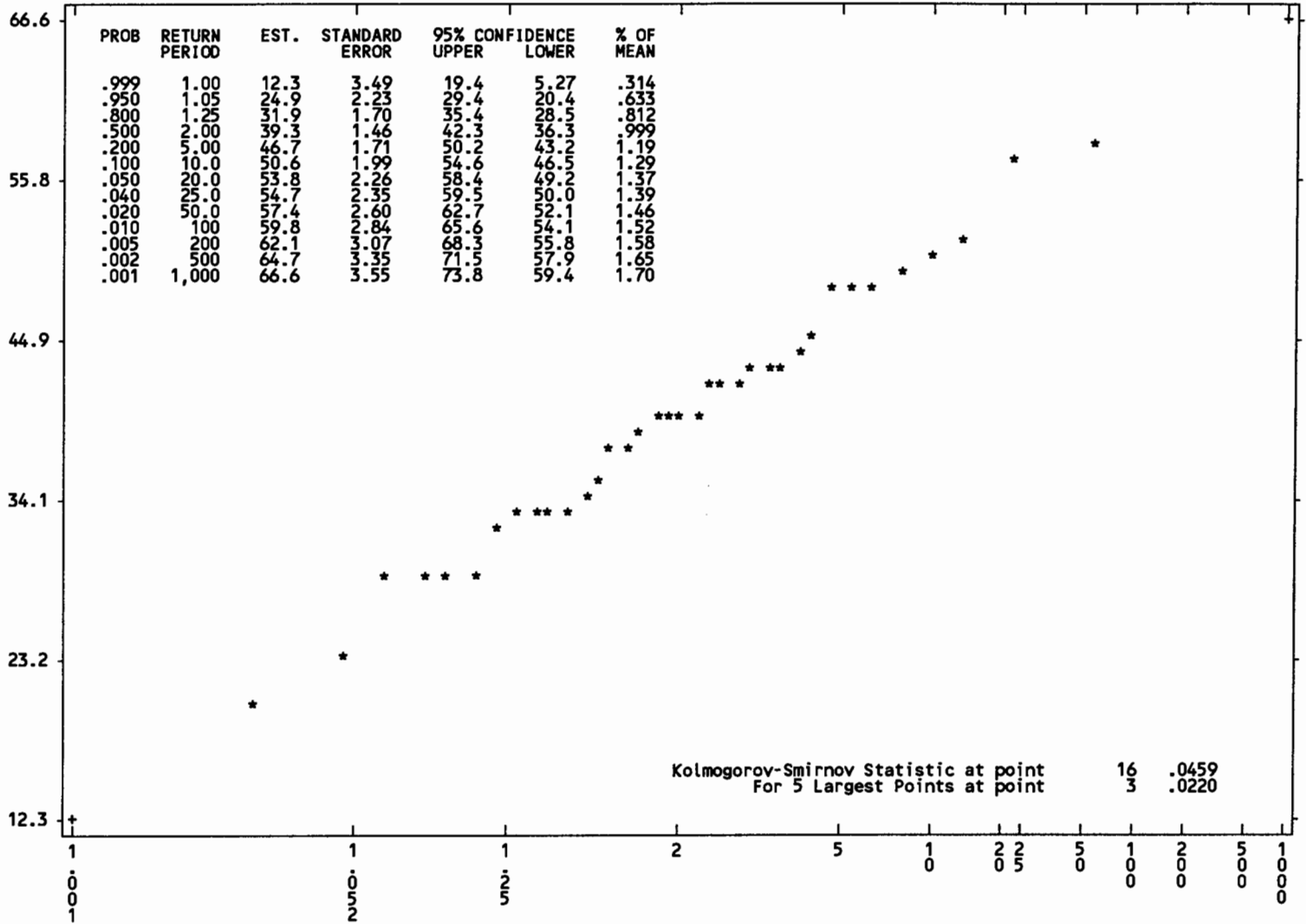
a = 0.146025
 u = 35.3583

Scale and location parameters estimated by the method of maximum likelihood

a = 0.119339
 u = 34.9859

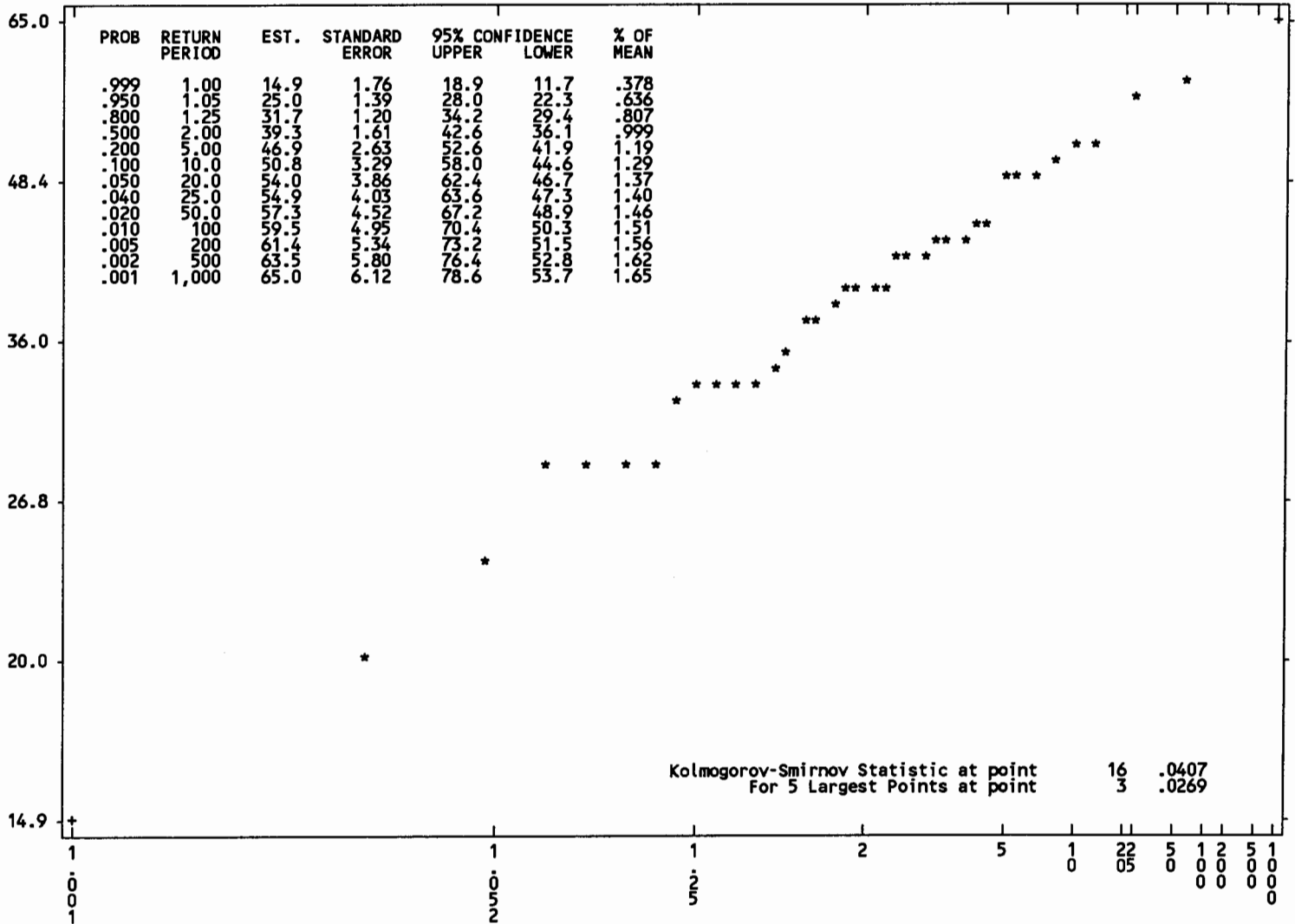


Lower bound -1178.0700
 Scale factor 0.06337
 Shape factor 19210.35000



Log Statistics: Mean 3.6455
 Standard Dev. 0.23671
 Skew Coeff. -0.62709

Upper bound 81.4882
 Scale factor -0.07422
 Shape factor 9.17191

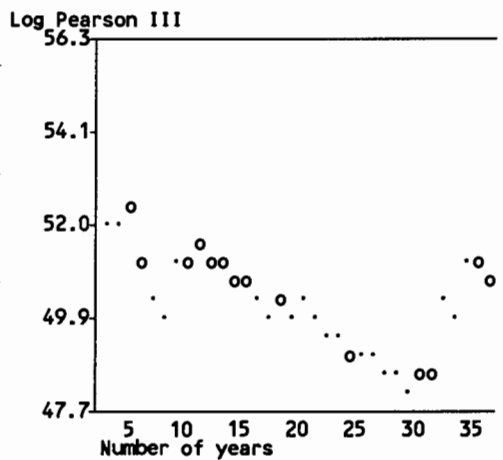
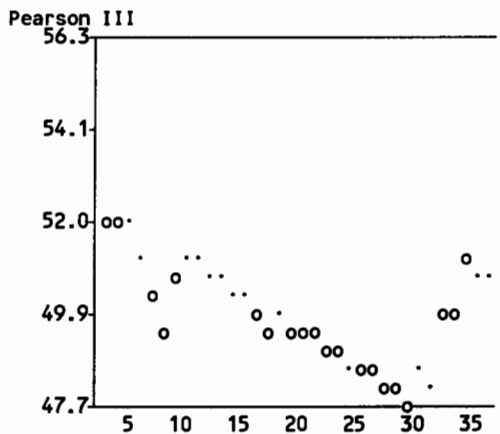
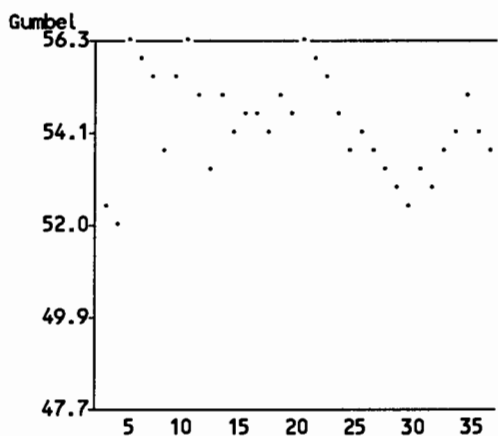
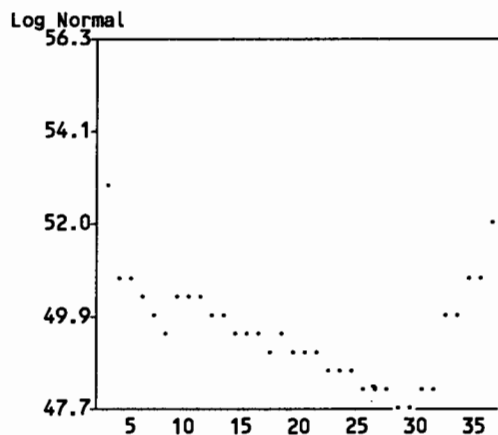


10 year return period vs. number of years.

Years	Log Norm	Gumbel	P3	Log P3	KS Statistics			
3	52.8	52.6	52.0	52.1	0.088	0.138	0.049	0.052
4	50.9	52.2	51.9	52.1	0.100	0.132	0.079	0.082
5	50.6	56.2	52.0	52.6	0.099	0.125	0.047	0.044
6	50.3	55.9	51.0	51.3	0.123	0.158	0.093	0.090
7	49.9	55.3	50.2	50.3	0.149	0.178	0.147	0.150
8	49.5	53.8	49.7	49.8	0.129	0.129	0.128	0.135
9	50.4	55.4	50.9	51.1	0.153	0.128	0.119	0.120
10	50.3	56.3	51.1	51.3	0.175	0.136	0.105	0.104
11	50.2	54.8	51.1	51.5	0.146	0.132	0.103	0.094
12	50.0	53.5	50.7	51.2	0.102	0.119	0.107	0.100
13	49.8	54.8	50.7	51.4	0.094	0.120	0.094	0.080
14	49.6	54.2	50.2	50.7	0.094	0.108	0.090	0.077
15	49.5	54.6	50.1	50.6	0.076	0.113	0.070	0.055
16	49.3	54.6	49.8	50.3	0.074	0.135	0.069	0.071
17	49.1	54.2	49.5	49.8	0.075	0.138	0.061	0.065
18	49.3	54.9	49.8	50.1	0.087	0.134	0.082	0.066
19	49.1	54.8	49.5	49.8	0.091	0.140	0.075	0.077
20	49.0	56.2	49.6	50.2	0.088	0.167	0.066	0.074
21	48.9	56.0	49.4	49.9	0.092	0.177	0.074	0.086
22	48.7	55.4	49.1	49.5	0.084	0.150	0.070	0.085
23	48.5	54.7	48.9	49.3	0.074	0.130	0.065	0.076
24	48.4	53.9	48.8	49.2	0.073	0.123	0.064	0.059
25	48.3	54.1	48.7	49.1	0.078	0.130	0.066	0.079
26	48.2	53.8	48.5	48.8	0.077	0.143	0.069	0.083
27	48.0	53.3	48.3	48.6	0.069	0.126	0.062	0.076
28	47.9	52.7	48.1	48.5	0.064	0.120	0.057	0.063
29	47.7	52.6	48.0	48.3	0.063	0.130	0.058	0.071
30	48.2	53.2	48.4	48.8	0.077	0.127	0.070	0.065
31	48.0	52.7	48.3	48.6	0.076	0.114	0.070	0.060
32	49.9	53.8	49.9	50.1	0.057	0.105	0.056	0.066
33	49.8	53.9	49.9	50.1	0.047	0.109	0.047	0.051
34	50.9	54.8	50.9	51.2	0.045	0.102	0.045	0.053
35	50.8	54.3	50.8	51.1	0.045	0.099	0.045	0.044
36	51.9	53.8	50.6	50.8	0.076	0.088	0.046	0.041

10 year return period vs. number of years.

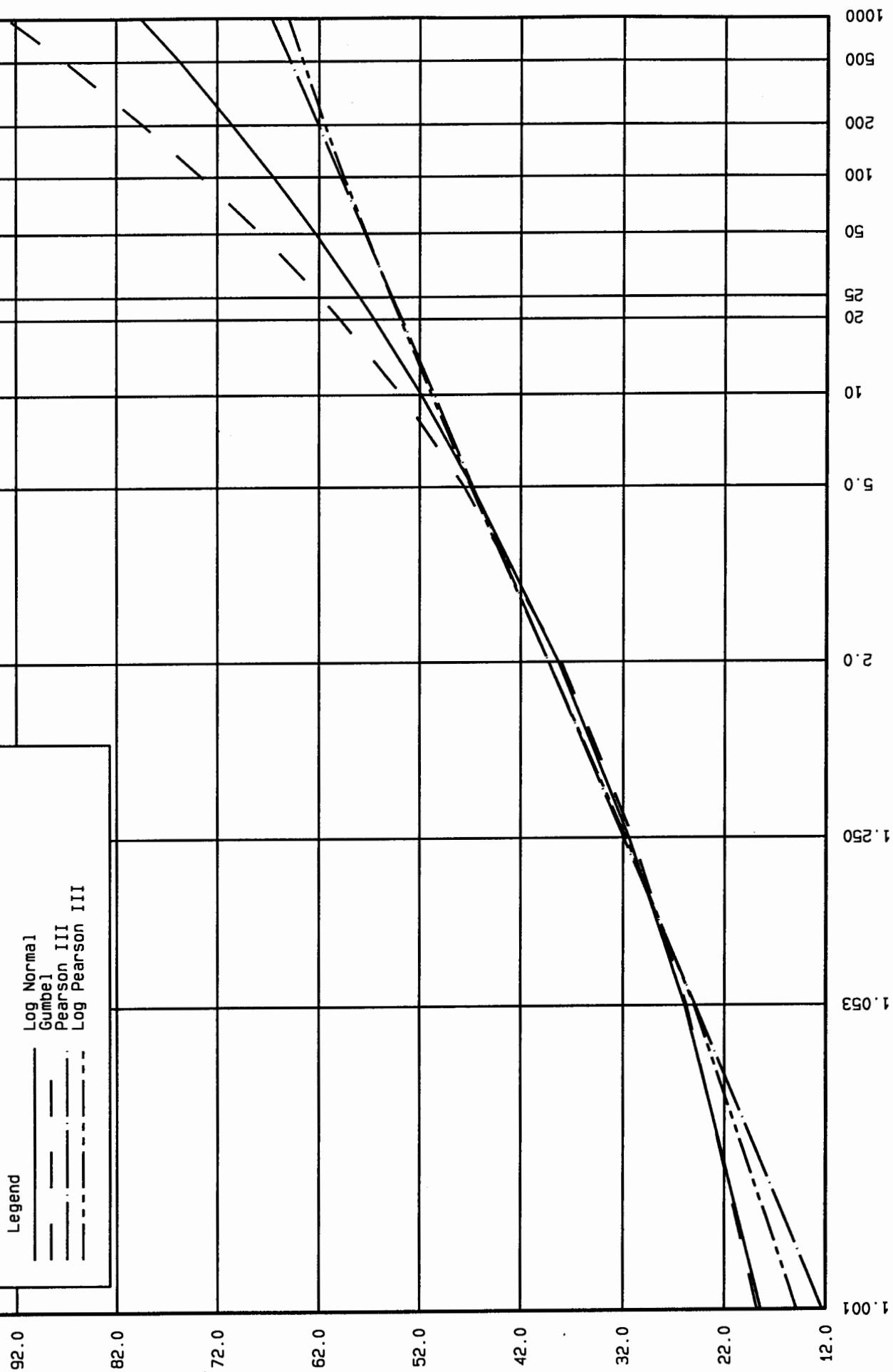
"o" indicates lowest KS statistic.



NANAIMO RIVER NEAR CASSIDY 08HB034
Flow vs. Return Period

Legend

- Log Normal
Gumbel
Pearson III
Log Pearson III

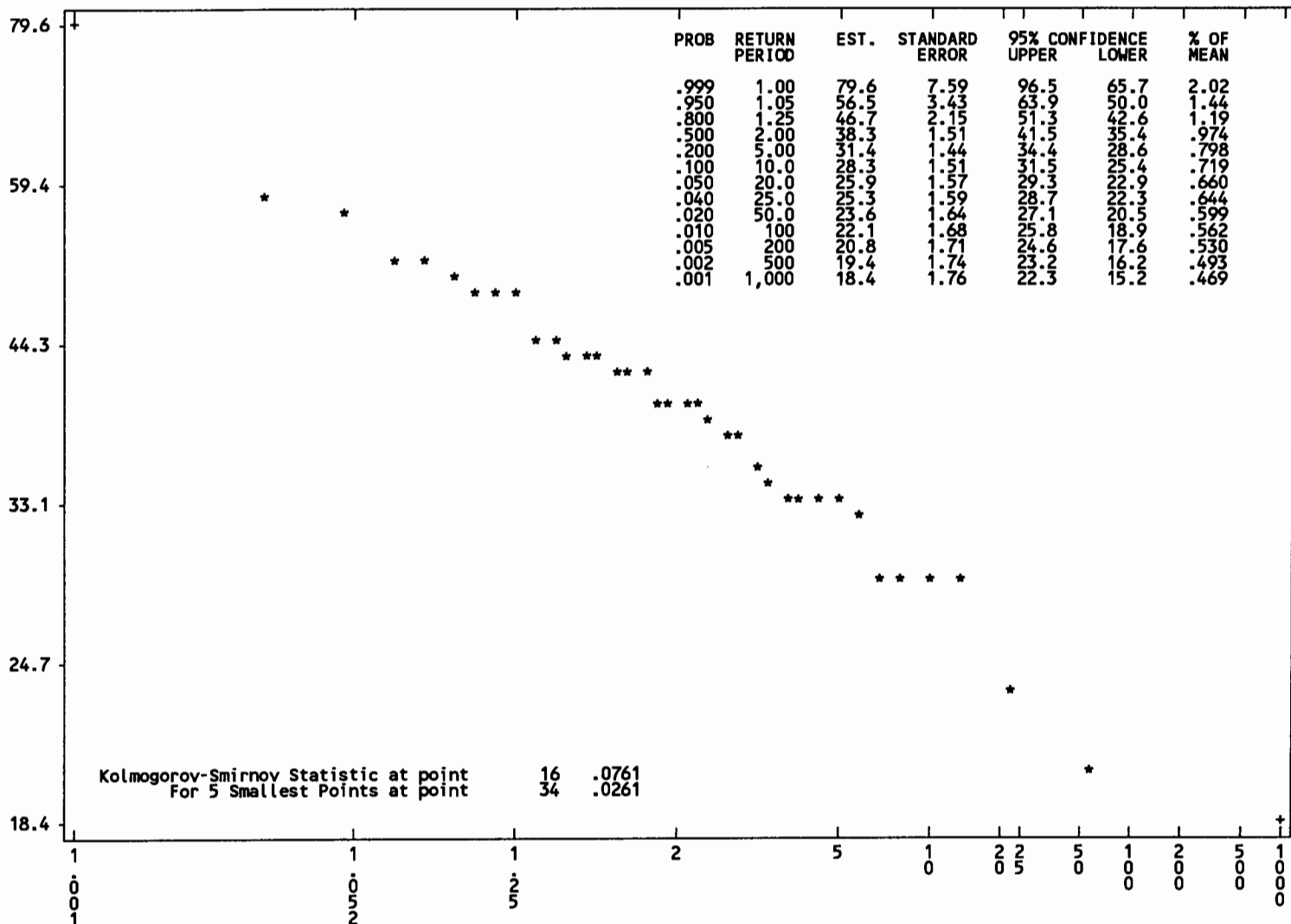


Analysis type	Low Flow
Sample Size	36
Maximum	57.900
Minimum	20.000
Range	37.900
Median	39.200
Mean	39.311
Variance	77.143
Standard Deviation	8.7831
Coeff. of Variation	0.22343
Coeff. of Skew	0.14429E-01

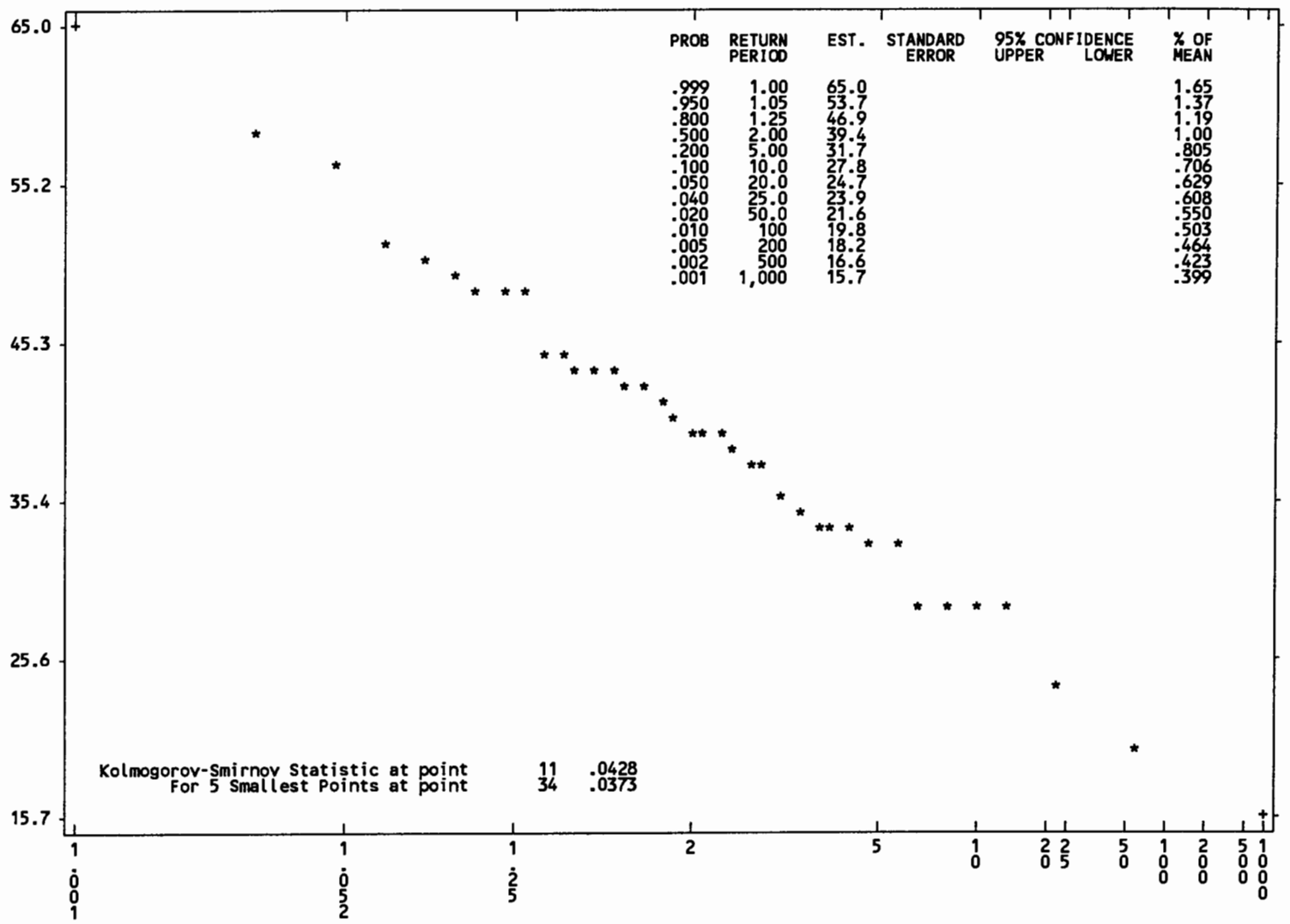
Data to analyze:

1966	48.1	1986	39.9
1967	42.9	1987	35.3
1968	50.9	1988	33.0
1969	39.1	1989	28.6
1970	28.2	1990	42.9
1971	43.2	1991	37.5
1972	42.0	1992	33.4
1973	37.2	1993	28.8
1974	50.6	1994	39.2
1975	48.7	1995	49.3
1976	32.2	1996	33.2
1977	34.3	1997	57.9
1978	23.5	1998	43.9
1979	38.2	1999	56.5
1980	44.7	2000	28.3
1981	41.9	2001	32.9
1982	39.2		
1983	47.9		
1984	41.8		
1985	20.0		

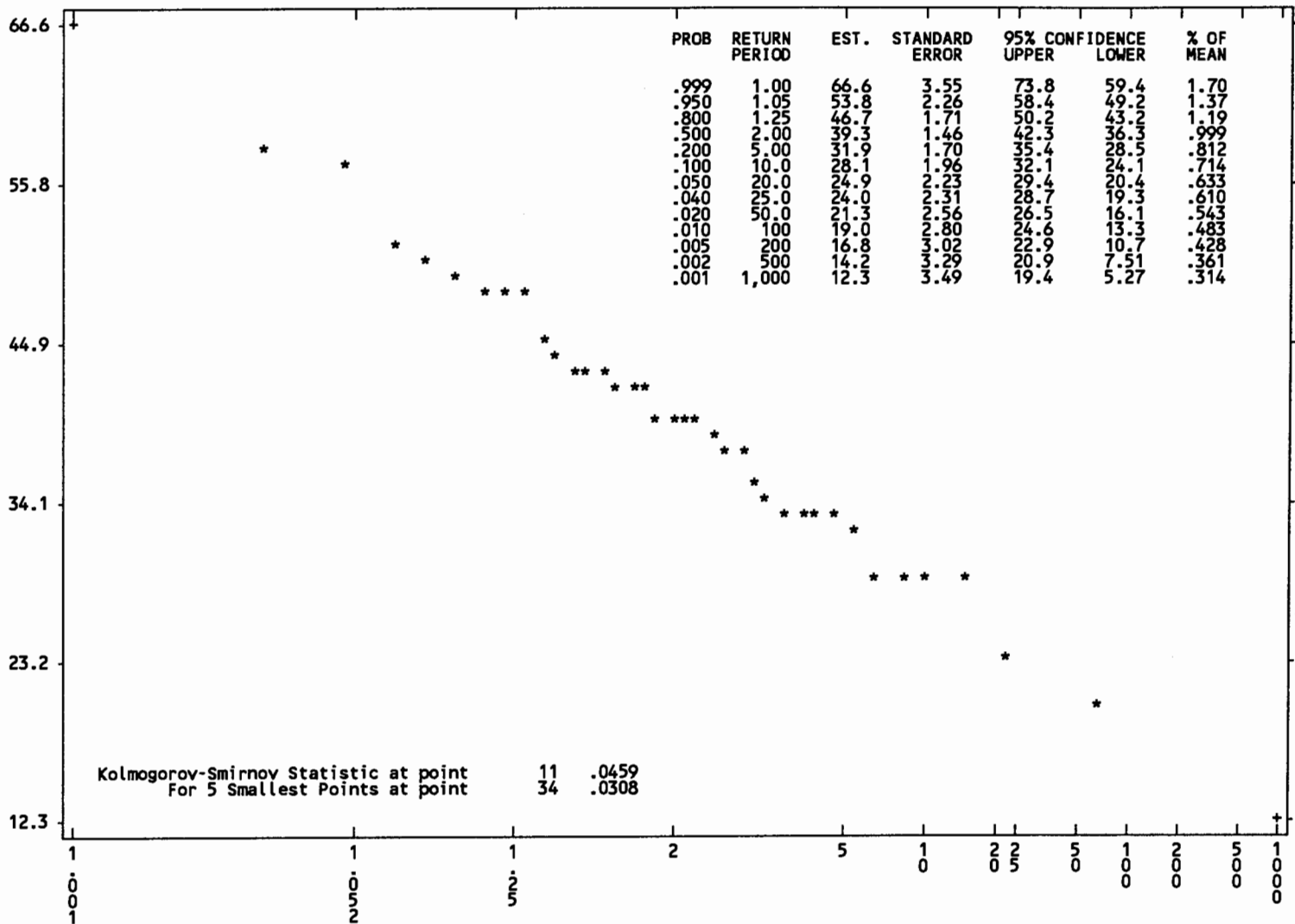
Magnitude of Skew coefficient or Maximum Likelihood analysis indicates lower/upper bound approaching infinity
 Analysis reverted to using 2 parameter Log Normal Distribution
 Log Statistics: Mean 3.6455
 Standard Dev. 0.23671
 Skew Coef. -0.62709



Lower bound 11.2443
 Characteristic drought 42.4177
 Scale factor 3.54373

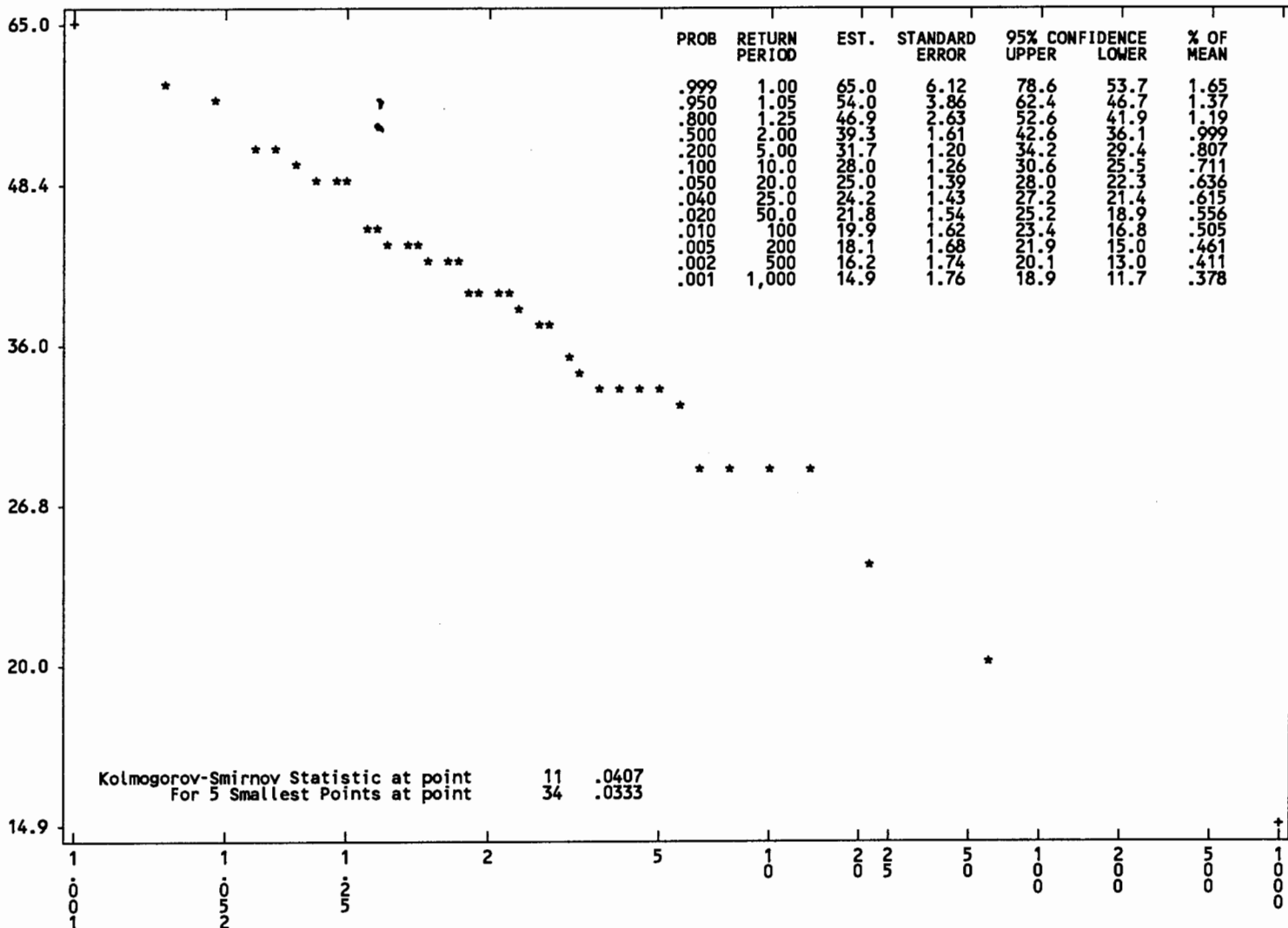


Lower bound -1178.0700
 Scale factor 0.06337
 Shape factor 19210.35000



Log Statistics: Mean 3.6455
 Standard Dev. 0.23671
 Skew Coeff. -0.62709

Upper bound 81.4882
 Scale factor -0.07422
 Shape factor 9.17191



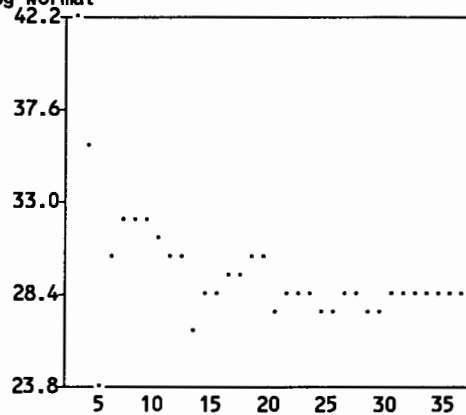
10 year return period vs. number of years.

Years	Log Norm	Gumbel	P3	Log P3	KS Statistics			
3	42.2	41.9	41.9	42.0	0.088	0.052	0.049	0.052
4	35.6	38.2	38.4	38.6	0.100	0.072	0.079	0.082
5	25.8	30.1	29.9	30.0	0.099	0.055	0.047	0.044
6	29.9	31.6	31.4	31.3	0.123	0.088	0.093	0.090
7	31.8	32.5	32.3	32.1	0.149	0.140	0.147	0.150
8	31.9	32.2	32.2	32.1	0.129	0.128	0.128	0.135
9	31.9	32.9	32.9	32.7	0.153	0.119	0.119	0.120
10	30.9	33.8	33.6	33.4	0.175	0.105	0.105	0.104
11	30.1	32.1	32.2	32.1	0.146	0.105	0.103	0.094
12	30.6	31.5	31.7	31.7	0.102	0.104	0.107	0.100
13	27.0	28.4	28.6	28.5	0.094	0.094	0.094	0.080
14	28.1	28.7	28.9	28.8	0.094	0.090	0.090	0.077
15	28.6	29.3	29.4	29.2	0.076	0.072	0.070	0.055
16	29.3	29.8	29.9	29.6	0.074	0.067	0.069	0.071
17	29.7	30.1	30.1	29.9	0.075	0.063	0.061	0.065
18	29.9	30.5	30.5	30.3	0.087	0.085	0.082	0.066
19	30.5	30.9	30.9	30.6	0.091	0.079	0.075	0.077
20	27.6	28.4	28.2	27.7	0.088	0.069	0.066	0.074
21	28.1	28.7	28.5	28.0	0.092	0.069	0.074	0.086
22	28.2	28.6	28.5	28.0	0.084	0.068	0.070	0.085
23	28.1	28.4	28.4	27.9	0.074	0.068	0.065	0.076
24	27.5	27.8	27.8	27.5	0.073	0.066	0.064	0.059
25	27.8	28.1	28.2	27.8	0.078	0.066	0.066	0.079
26	28.1	28.3	28.3	27.9	0.077	0.069	0.069	0.083
27	28.1	28.2	28.3	27.9	0.069	0.064	0.062	0.076
28	27.6	27.7	27.9	27.6	0.064	0.058	0.057	0.063
29	27.9	27.9	28.1	27.8	0.063	0.061	0.058	0.071
30	28.0	28.1	28.3	28.0	0.077	0.071	0.070	0.065
31	28.0	28.0	28.2	27.9	0.076	0.070	0.070	0.060
32	28.2	27.9	28.2	28.0	0.057	0.063	0.056	0.066
33	28.4	28.2	28.4	28.2	0.047	0.047	0.047	0.051
34	28.5	28.2	28.5	28.3	0.045	0.052	0.045	0.053
35	28.1	27.8	28.1	28.0	0.045	0.046	0.045	0.044
36	28.3	27.8	28.1	28.0	0.076	0.043	0.046	0.041

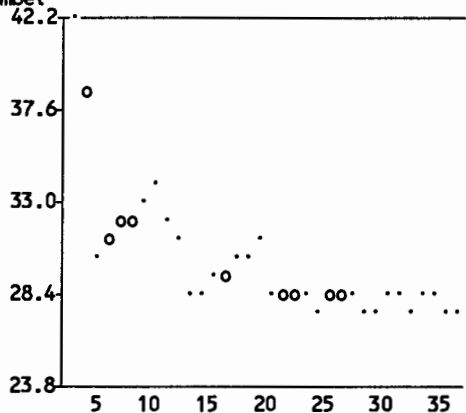
10 year return period vs. number of years.

"o" indicates lowest KS statistic.

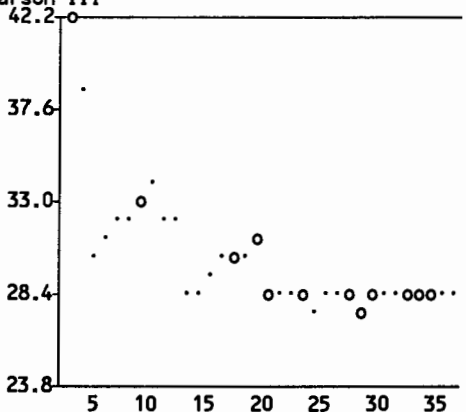
Log Normal



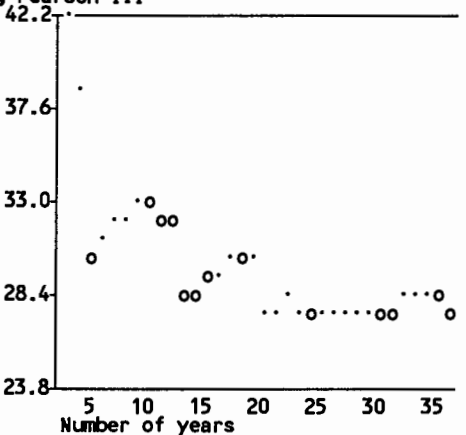
Gumbel

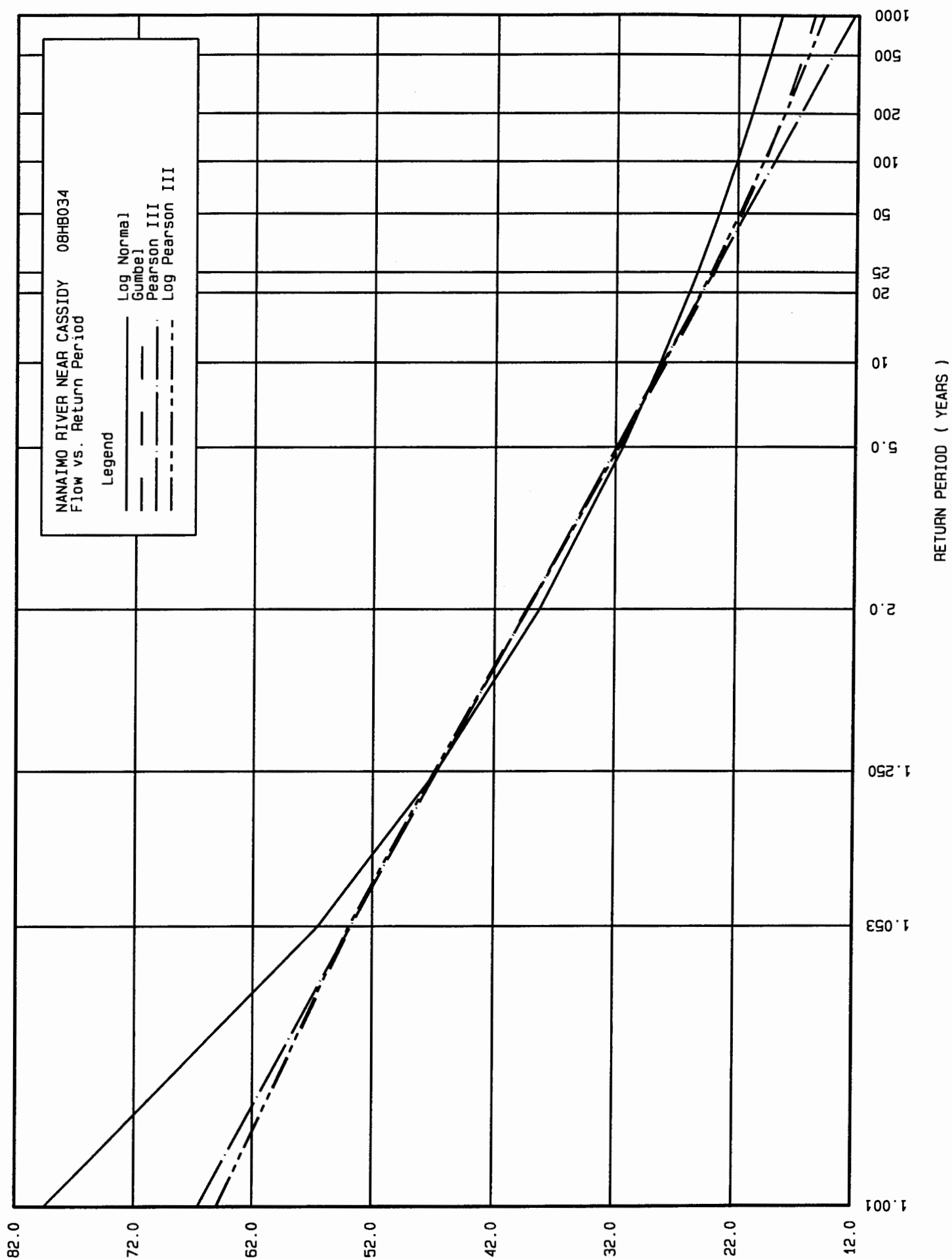


Pearson III



Log Pearson III





APPENDIX C

Datasheets

	PAGE
Table C-1 Streamflow Datasheets	71
Datasheets (grouped in tabbed Zone Sections)	73

Zone 25

ATNARKO RIVER NEAR THE MOUTH 08FB006

Location: 52°21'39"N, 126°00'10"W

Median Elevation = 1410 m

Drainage Area = 2,430 km²

Monthly and Annual Discharge in m³/s

7-Day Low Flow

Instantaneous Peak Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	13.9	10.8	11.3	37.5	74.0	115	74.1	39.0	19.8	22.4	23.2	16.5	38.2	Jun 10	234	16.3	9.10	1966
1967	14.3	13.2	10.0	11.5	80.2	186	65.3	37.9	25.7	28.9	30.2	19.8	43.6	Jun 06	289	21.4	9.06	1967
1968	58.9	35.5	26.3	23.8	110	130	78.8	36.9	25.2	24.9	22.6	17.2	43.7	Jan 24	340	23.4		1968
1969	15.2	15.0	14.4	27.0	15.1	112	35.0	19.4	17.3	15.1	17.4	11.7	32.6	Jun 03	224	16.2		1969
1970	8.21	5.67	4.66	6.44	39.4	66.7	20.9	12.9	9.25	7.40	6.20	6.20	16.1	Jun 03	158			1970
1971	5.40	11.3	7.11	10.3	62.9	100	50.3	29.0	17.8	18.6	23.1	13.6	29.2	Jun 07	197	14.8		1971
1972	8.50	8.30	14.5	17.9	106	167	76.9	33.7	16.3	13.5	10.8	8.68	40.2	May 31	317	130		1972
1973	7.61	6.45	5.59	8.61	52.0	70.0	45.4	24.3	17.4	19.9	13.5	9.42	23.4	May 17	111	11.2	5.37	1973
1974	7.49	7.73	7.80	16.1	48.4	112	76.6	37.1	20.7	22.9	12.8	12.0	31.9	Jun 17	193	15.7	7.01	1974
1975	9.19	7.82	6.90	9.13	47.2	93.0	47.3	19.6	12.2	9.51	30.3	17.0	25.8	Jun 03	140	11.1	6.33	1975
1976	16.9	15.2	11.4	19.2	102	148	146	77.3	33.1	22.2	22.0	32.6	54.0	Jun 19	252	27.8	10.8	1976
1977	26.7	19.4	13.0	26.9	53.8	69.7	37.5	28.9	13.4	15.3	11.3	7.53	26.9	Jun 07	105	13.9	7.28	1977
1978	7.33	5.91	6.58	10.7	44.2	90.2	38.5	20.4	10.2	11.3	30.0	11.6	23.9	Jun 05	161	8.54	5.48	1978
1979	7.15	6.85	9.60	15.3	87.6	87.8	43.5	25.0	17.0	14.9	9.11	6.62	27.7	Jun 03	180	15.1	5.50	1979
1980	6.49	4.79	4.32	7.32	57.3	73.8	38.8	22.0	20.0	18.4	16.0	66.5	28.1	Dec 16	239	15.9	3.94	1980
1981	23.7	14.1	11.2	12.7	71.4	66.9	46.7	23.7	14.2	11.1	17.1	10.9	27.1	May 25	155	11.2	9.02	1981
1982	9.19	8.55	8.52	7.88	42.4	104	43.1	20.7	19.6	14.2	11.4	8.62	24.9	Jun 03	169	15.3	6.28	1982
1983	7.74	6.89	6.96	11.2	58.1	51.2	31.9	17.5	12.2	9.56	10.1	6.18	19.2	Jun 02	111	10.5	5.75	1983
1984	12.9	13.5	11.2	14.1	31.1	79.1	46.6	25.5	21.5	31.8	20.2	14.8	26.9	Jun 13	139	15.5	9.84	1984
1985	10.9	10.2	9.48	16.4	81.3	80.0	38.1	19.4	11.0	12.5	7.56	4.74	25.2	May 26	184	9.19	4.44	1985
1986	8.04	7.50	11.2	16.7	58.7	124	49.7	25.0	13.9	9.29	8.88	8.62	28.5	Jun 01	217	10.4	4.96	1986
1987	10.8	10.0	10.2	17.0	71.2	85.0	46.5	23.6	14.6	9.07	9.13	7.63	26.3	Jun 08	129	11.3	6.56	1987
1988	5.31	6.23	5.97	11.5	45.3	52.3	31.5	23.5	17.6	21.8	14.6	12.6	20.7	Sep 29	108	11.1	4.87	1988
1989	10.2	9.75	7.88	16.9	67.9	74.5	46.2	25.6	13.6	11.5	24.1	18.4	27.3	Jun 04	146	11.1	7.37	1989
1990	14.7	9.80	9.14	24.3	72.0	77.0	40.2	22.0	12.0	10.8	20.1	19.1	27.7	May 28	127	10.6	8.55	1990
1991	10.6	13.4	11.1	23.0	87.9	108	63.7	31.1	16.0	14.2	20.5	14.8	34.6	Jun 10	178	13.0	7.36	1991
1992	14.8	15.6	19.9	35.0	58.2	74.0	45.5	19.4	11.7	14.5	13.2	9.92	27.6	Jun 01	104	9.71	8.85	1992
1993	6.15	6.45	7.02	9.45	79.8	48.1	31.0	20.9	12.0	9.38	14.9	10.6	21.4	May 15	178	9.64	4.40	1993
1994	9.06	6.88	11.1	35.3	87.3	61.7	36.2	17.7	12.7	13.4	11.9	10.7	26.3	May 11	128	12.1	6.38	1994
1995	7.14	7.37	8.12	12.7	94.6	68.6	33.1	19.4	13.5	9.90	10.4	10.6	24.7	May 16	172	11.5	6.58	1995
1996	21.6	12.0	12.7	38.4	61.6	118	80.3	35.4	22.1	16.1	16.8	10.1	37.1	Jun 03	174	16.4	8.45	1996
1997	7.07	7.55	8.57	15.6	90.0	103	45.5	23.0	14.0	16.9	15.6	12.3	30.0	May 15	171	12.8	4.65	1997
1998	8.88	7.22	7.21	9.92	76.6	46.7	30.7	16.3	11.0	12.6	10.2	8.90	20.6	May 28	123	9.66	6.50	1998
1999	8.50	7.71	7.26	12.3	50.1	102	54.3	32.0	22.5	19.0	15.3	13.2	28.8	Jun 16	159	17.7	7.01	1999
2000	9.74	7.76	6.80	12.7	40.6	63.5	34.4	17.9	11.7	10.0	10.9	6.74	19.3	Jun 04	92.7	10.1	4.39	2000
2001	6.66	5.20	5.00	6.21	29.3	62.2	33.5	16.8	10.3	5.96	7.70	6.22	16.3	Jun 01	103	8.88	4.06	2001

Avg.

S. D.

Normal

Normal

m³/s

mm

10-Year

m³/s

mm

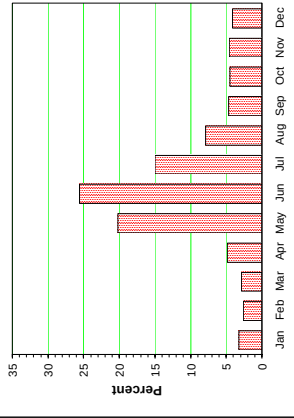
m³/s

m³/s

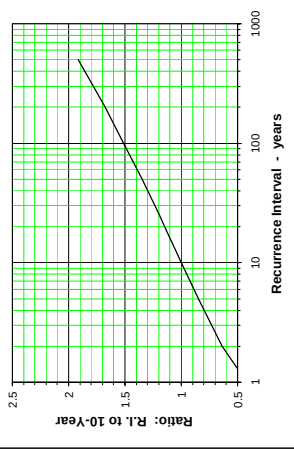
Annual Flow Variation



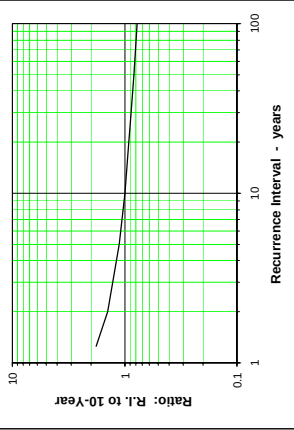
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



BELLA COOLA RIVER ABOVE BURNT BRIDGE CREEK 08FB007

Location: 52°25'20"N, 126°09'26"W

Monthly and Annual Discharge in m³/s

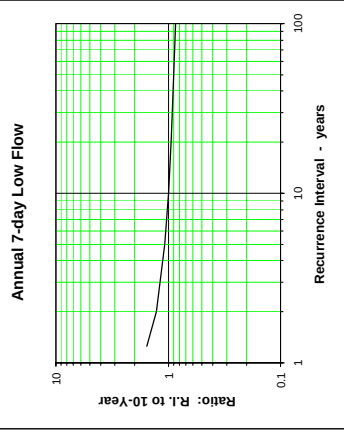
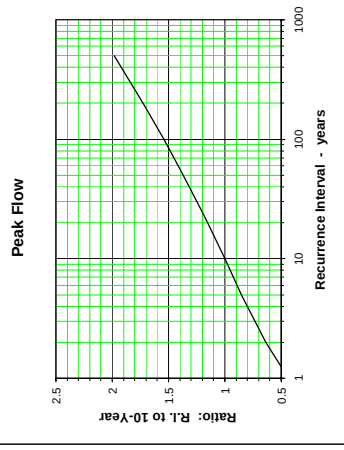
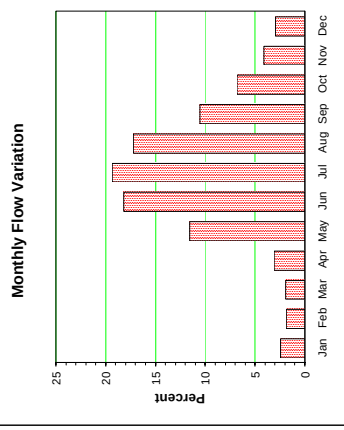
Drainage Area = 3730 km²

Median Elevation = 1440 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year		
1966	24.9	17.7	25.4	68.3	124	230	248	210	114	109.0	55.5	35.3	106	Jun 09	405	14.7	1966	
1967	27.7	24.5	17.7	19.8	128	381	246	225	214	132.0	61.1	36.9	127	Jun 22	481	15.8	1967	
1968	132	55.8	38.3	27.6	192	234	257	166	132	140	55	21	121	Jan 23	828	11.1	1968	
1969	17	14	16	38.8	144	347	190	163	102	51.2	57.2	27.9	97.6	Jun 11	700	69.5	1969	
1970	15.5	9.7	8.36	10.7	85.9	192	181	169	76.0	39.0	81.3	5.0	67.1	Jun 04	331	52.2	1970	
1971	21	51	20.7	24.9	115	187	198	232	97.1	74.4	28.9	28.9	92.4	Aug 02	436	59.0	1971	
1972	24	27	38	32.9	171	293	246	183	85.8	65.5	32.7	19.1	102	Jun 11	524	44.2	1972	
1973	21.5	14.8	14.3	20.8	96.6	147	164	145	162	20.1	32.4	20.1	76.6	Sep 27	682	69.9	1973	
1974	16.9	14.4	15.3	35.2	81.7	207	189	175	125	135	32.3	29.2	88.5	Oct 18	453	89.0	1974	
1975	21.7	14.0	13.8	19.8	82.0	192	227	141	85.3	40.1	76.0	32.5	79.1	Jul 10	368	80.1	1975	
1976	40.0	27.4	19.0	32.8	146	250	295	248	148	86.5	67.2	84.1	121	Jun 19	564	11.9	1976	
1977	57.3	36.7	23.8	46.7	96.8	177	167	228	72.5	48.7	29.9	16.7	83.5	Jun 22	317	46.3	1977	
1978	14.2	11.8	14.2	25.4	95.2	203	222	199	71.9	69.9	87.3	21.0	86.7	Nov 07	518	41.9	1978	
1979	14.7	12.5	24.7	33.3	149	182	183	190	120	64.7	18.7	19.4	84.9	Jun 03	394	97.6	1979	
1980	16.9	11.8	11.0	23.8	111	191	195	166	150	77.1	52.0	15.3	96.5	Dec 16	725	91.5	1980	
1981	50.1	27.6	19.5	23.3	123	131	214	208	126	54.5	58.1	21.4	88.6	Aug 11	321	60.5	1981	
1982	16.8	14.0	12.2	15.9	82.3	260	214	159	177	72.9	30.7	17.2	89.6	Sep 09	601	92.9	1982	
1983	17.2	15.5	15.4	24.8	127	167	155	149	92.0	38.9	27.1	13.7	70.6	Jun 02	317	62.9	1983	
1984	38.4	30.0	23.2	26.4	53.0	163	170	167	104	11.3	43.4	29.7	80.4	Oct 08	389	67.7	1984	
1985	23.2	18.8	16.5	33.5	137	179	201	168	81.7	60.4	23.2	12.3	80.1	May 27	296	61.6	1985	
1986	19.8	16.8	28.4	39.3	112	273	205	190	106	61.1	33.7	19.5	92.4	Jun 01	399	60.4	1986	
1987	33.3	24.6	23.1	34.0	132	212	212	140	154	69.1	49.1	20.3	92.8	Jul 02	356	101	1987	
1988	13.6	15.4	16.5	28.7	136	135	160	189	131	98.8	34.2	33.8	80.2	Sep 29	681	44.4	1988	
1989	19.9	20.3	11.9	32.4	129	185	171	162	95.4	59.4	81.9	53.1	85.5	Jun 05	306	72.5	1989	
1990	33.5	20.4	20.2	47.8	128	187	183	106	183	45.5	58.2	40.9	89.1	Aug 13	284	94.4	1990	
1991	25.0	35.3	22.3	41.8	157	228	231	207	114	11.3	73.8	35.7	107	Jun 11	380	103	1991	
1992	35.8	35.1	39.4	65.0	111	227	233	167	115	87.8	41.1	26.0	98.8	Jun 30	430	58.8	1992	
1993	15.0	16.7	19.4	20.4	173	168	163	162	94.9	56.3	45.4	23.8	80.3	May 15	374	52.6	1993	
1994	21.7	16.6	28.6	71.8	162	165	216	164	147	75.0	29.0	24.1	93.9	Oct 01	411	112	1994	
1995	15.6	16.5	16.3	26.3	171	184	208	137	105	35.8	29.1	26.0	81.4	May 17	293	75.4	1995	
1996	62.3	24.1	26.8	73.7	96.7	221	230	182	104	80.4	50.8	22.7	98.1	Jun 04	320	58.7	1996	
1997	18.8	22.8	20.7	36.2	154	214	192	168	95.6	73.5	42.2	27.3	89.2	Jun 16	317	17.7	1997	
1998	20.8	14.5	14.7	18.2	163	202	230	182	126	80.7	26.4	20.9	92.2	May 28	329	81.2	1998	
1999	19.3	16.0	15.5	28.2	85.8	216	210	239	119	59.2	39.4	27.1	90.0	Aug 25	541	14.5	1999	
2000	19.3	13.9	12.7	24.7	76.0	153	172	161	111	57.4	31.9	13.2	70.7	Aug 06	243	90.0	2000	
2001	14.6	11.2	11.4	14.2	56.5	141	169	145	96.2	37.2	38.9	18.2	63.0	Jul 23	235	77.3	2001	
AVG.	27.8	21.4	19.9	32.8	121	206	204	180	115	73.3	44.7	29.9	90.1		432	77.3	14.2	m³/s
S. D.	25.6	21.2	19.9	33.4	121	197	202	180	114	71.0	44.4	31.1	88.7		149	23.5	3.16	m³/s
Normal	18	14	14	23	87	137	145	129	79	51	31	22	751	10-Year	626	50.2	10.7	m³/s



COLDWATER RIVER AT MERRITT 08LG010

Location: 50°06'35"N, 120°48'10"W

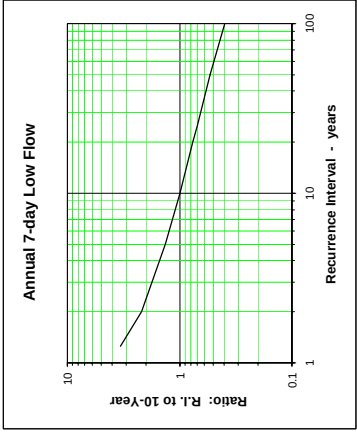
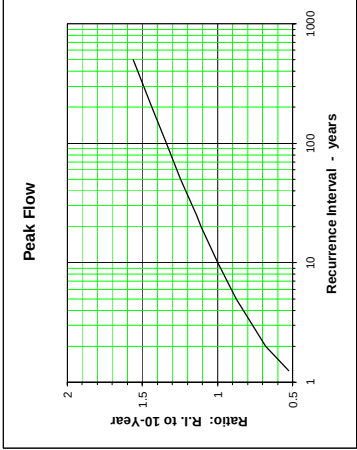
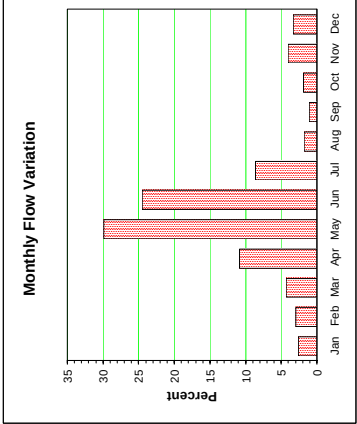
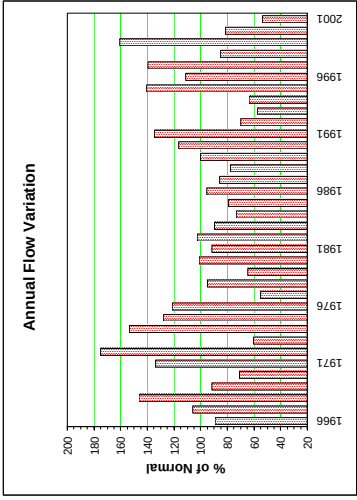
Drainage Area = 914 km² Median Elevation = 1160 m

Monthly and Annual Discharge in m³/s

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Year
1966	155	105	200	122	245	221	965	134	0.663	2.78	2.38	9.45	7.50	May 07	60.5	0.430	1966
1967	331	275	208	344	289	430	772	1.19	0.306	4.56	6.61	3.10	8.92	Jun 03	88.5	0.189	1967
1968	22.0	9.19	11.8	7.85	36.2	36.3	10.8	1.37	1.71	3.09	3.66	3.18	12.3	May 20	108	0.736	1968
1969	252	244	214	9.65	39.0	19.4	3.04	0.651	1.90	3.33	3.50	4.28	7.69	May 11	101	0.559	1969
1970	112	1.21	2.63	5.24	26.3	28.4	2.20	0.420	0.60	1.09	1.13	0.823	5.94	Jun 04	111	0.283	1970
1971	199	520	288	9.05	57.6	35.0	14.4	2.23	1.14	1.93	2.19	0.576	11.2	May 13	145	0.918	1971
1972	0.725	2.01	11.4	13.3	60.3	55.2	24.4	4.48	1.48	1.51	0.990	0.398	14.7	May 30	146	0.801	1972
1973	0.603	0.934	1.67	4.68	23.8	16.3	4.83	0.632	0.38	1.88	2.47	2.45	5.08	May 18	79.5	0.272	1973
1974	256	30.3	5.03	18.6	37.0	55.7	23.1	4.36	0.953	0.959	1.49	1.65	12.9	Jun 17	115	0.628	1974
1975	123	1.23	1.39	5.08	33.3	45.9	16.2	1.95	1.12	2.48	9.66	9.36	10.8	Jun 03	105	0.805	1975
1976	559	4.14	2.47	7.01	34.9	31.6	22.3	6.90	2.55	1.04	1.87	1.67	10.2	May 10	79.1	1.40	1976
1977	188	3.26	2.07	7.94	14.5	14.1	1.93	0.434	0.648	1.12	3.98	3.53	4.60	Jun 08	43.8	0.203	1977
1978	172	1.62	4.58	13.3	27.2	28.7	6.12	1.15	2.36	2.17	4.98	1.55	7.96	Jun 05	79.9	0.814	1978
1979	131	1.25	3.08	6.65	24.3	14.6	2.45	0.526	0.684	0.926	1.32	7.69	5.43	Apr 29	60.5	0.480	1979
1980	186	2.09	2.90	14.7	29.3	18.3	4.06	1.73	2.06	2.14	4.48	18.0	8.49	Dec 27	155	1.48	1980
1981	897	573	521	10.4	27.1	16.4	8.05	1.40	0.77	2.82	3.87	1.56	7.70	May 01	67.6	0.566	1981
1982	140	2.31	2.20	3.95	30.1	43.4	11.8	1.98	0.99	2.07	1.55	1.67	8.62	Jun 15	81.0	0.828	1982
1983	320	2.87	4.87	10.6	32.6	17.8	7.60	1.31	1.30	2.07	5.22	1.47	7.53	May 30	75.7	0.689	1983
1984	10.8	2.74	3.46	5.36	10.2	24.8	8.69	1.60	1.44	2.16	1.69	1.04	6.16	Jan 05	103	1.04	1984
1985	108	1.58	1.50	10.1	29.2	23.6	3.49	0.544	0.817	3.34	3.16	0.959	6.62	May 19	85.7	0.264	1985
1986	206	4.68	9.74	12.1	28.3	25.5	5.19	1.15	0.806	1.46	3.24	1.93	8.01	May 30	97.5	0.579	1986
1987	241	2.16	5.92	16.2	36.9	16.8	3.28	0.634	0.314	0.357	0.520	0.684	7.21	May 12	101	0.270	1987
1988	0.485	0.944	1.55	13.7	26.3	19.7	4.76	0.882	0.590	2.32	5.05	2.18	6.53	May 13	81.9	0.329	1988
1989	2.11	2.28	2.26	12.7	31.9	24.2	3.69	2.01	0.981	2.41	9.84	6.68	8.43	May 07	76.6	0.633	1989
1990	235	1.43	2.50	17.9	21.3	25.3	7.55	1.07	0.886	7.00	23.8	6.49	9.79	Nov 11	136	0.573	1990
1991	313	15.5	6.97	17.6	36.0	29.8	14.5	3.05	1.81	1.16	4.22	2.66	11.3	May 20	88.3	1.24	1991
1992	306	6.15	10.5	15.8	17.3	8.04	2.92	0.616	0.760	1.76	2.25	1.60	5.89	Apr 30	63.1	0.251	1992
1993	1.00	1.24	2.86	6.46	25.9	9.01	3.79	2.43	1.07	1.00	1.20	1.51	4.82	May 14	78.2	0.760	1993
1994	209	1.19	5.36	17.9	20.4	9.34	2.66	0.388	0.173	0.616	0.937	2.98	5.35	May 09	51.1	0.125	1994
1995	155	6.64	5.10	9.98	35.0	D							12			0.126	1995
1996													9.3				1996
1997													12				1997
1998													7.1				1998
1999													13				1999
2000													6.8				2000
2001													4.5				2001

Avg.	3.19	3.30	4.27	10.6	30.2	26.1	8.32	1.67	1.08	2.10	4.04	3.48	8.40		92.0	0.626	0.531
S. D.	2.61	3.29	4.30	11.2	30.0	25.4	8.66	1.81	1.09	1.91	4.17	3.34	8.52		28.1	0.356	0.273
Normal	8	9	13	32	88	72	25	5	3	6	12	10	294		130	0.232	0.221
Normal														10-Year			



COQUIHALLA RIVER BELOW NEEDLE CREEK 08MF062

Location: 49°33'33"N, 121°06'20"W

Monthly and Annual Discharge in m³/s

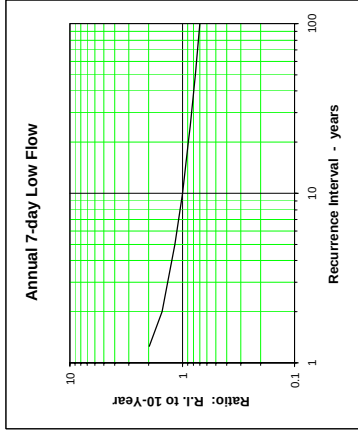
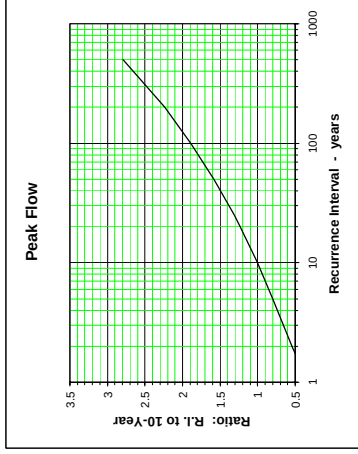
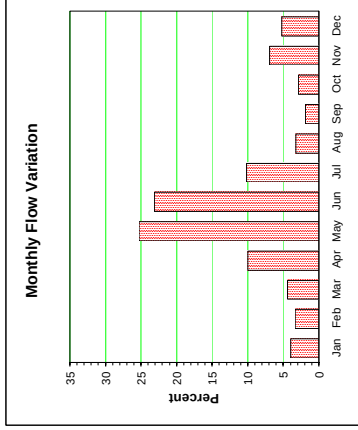
Drainage Area = 79.8 km²

Median Elevation = 1380 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	1.03	0.703	0.746	5.02	9.65	8.46	4.03	1.23	0.615	1.79	1.50	4.35	3.27	May 06	17.2	0.589	0.434	1966
1967	1.45	1.46	0.780	1.22	10.9	14.4	3.83	1.20	0.629	2.21	4.44	3.43	3.83	Oct 31	45.6	0.534	0.534	1967
1968	4.33	4.03	3.73	2.69	10.2	10.8	4.62	1.29	1.16	2.06	2.52	1.66	4.09	Jun 02	18.7	0.709	0.709	1968
1969	1.02	0.713	0.598	3.18	13.6	7.53	1.94	0.906	1.28	2.34	2.26	1.37	3.07	May 13	22.5	0.837	0.516	1969
1970	0.826	0.959	1.19	1.94	9.50	8.78	1.37	0.591	0.526	0.599	0.893	0.916	2.35	Jun 03	21.4	0.411	0.411	1970
1971	1.27	3.62	1.15	2.70	15.0	11.5	6.25	1.67	0.720	1.05	1.31	1.10	3.95	May 12	24.3	0.533	0.533	1971
1972	0.67	1.11	3.9	4.0	18	22.1	12.1	2.88	1.37	1.16	0.946	1.35	5.79	May 29	45.3	1.24		1972
1973	1.04	0.786	0.758	2.25	7.42	5.62	1.83	0.769	0.543	1.27	1.39	1.23	2.08	May 18	20.0	0.498	0.447	1973
1974	3.10	0.976	0.850	3.96	11.6	17.2	8.02	2.11	0.792	0.575	0.553	0.763	4.22	Jun 15	27.5	0.649	0.485	1974
1975	0.819	0.701	0.551	0.832	9.66	14.2	6.60	1.40	0.868	1.31	4.79	4.20	3.84	May 30	22.1	0.711	0.475	1975
1976	2.11	1.22	0.64	1.95	10.1	10.7	7.17	2.95	1.57	0.701	0.902	2.28	3.53	May 08	20.1	0.973	0.593	1976
1977	2.38	1.73	1.00	3.78	6.00	5.19	1.23	0.725	0.521	0.599	2.56	2.83	2.38	Jan 18	17.6	0.387	0.447	1977
1978	0.821	0.610	2.00	4.00	7.74	9.97	2.96	0.866	1.02	0.914	2.80	0.917	2.89	Nov 07	28.9	0.720	0.560	1978
1979	0.646	0.452	2.12	3.73	10.0	5.80	1.86	0.715	0.458	0.359	0.286	3.48	2.51	Dec 18	25.2	0.365	0.259	1979
1980	1.14	0.866	1.31	6.47	10.9	6.80	2.08	0.845	0.816	0.760	2.64	8.20	3.58	Dec 26	65.3	0.644	0.613	1980
1981	2.04	1.51	1.14	3.97	8.16	6.57	3.19	1.06	0.560	0.940	1.41	0.914	2.63	Apr 30	22.9	0.458	0.458	1981
1982	0.573	0.608	0.529	1.12	10.2	15.1	4.76	1.24	0.783	0.882	0.947	1.27	3.18	Jun 16	24.4	0.592	0.425	1982
1983	1.53	0.940	1.83	3.70	9.82	5.14	3.65	0.885	0.787	0.735	3.73	1.19	2.84	May 29	23.0	0.567	0.545	1983
1984	5.39	1.80	1.68	2.29	5.01	11.0	4.17	1.21	1.05	0.958	1.17	0.758	3.04	Jan 04	47.7	0.767	0.580	1984
1985	0.598	0.548	0.551	5.22	11.7	9.19	2.67	0.772	0.618	2.42	3.88	0.836	3.24	May 18	27.3	0.541	0.509	1985
1986	1.14	2.83	4.06	4.28	9.56	8.76	3.27	1.13	0.543	0.628	1.42	1.20	3.23	Feb 26	26.5	0.479	0.426	1986
1987	1.38	1.06	2.19	6.32	10.9	5.42	1.87	0.666	0.424	0.281	0.269	0.251	2.59	May 12	25.9	0.312	0.238	1987
1988													2.8					1988
1989	1.38	1.17	0.832	5.62	10.8	8.83	1.98	0.948	0.641	1.11	9.0	4.54	3.90	Nov 10	57	0.531	0.473	1989
1990	1.37	0.951	1.24	7.30	7.81	9.50	3.70	0.811	0.550	3.84	11	2.00	4.13	Nov 10	72	0.487	0.484	1990
1991	1.73	3.12	1.54	4.14	10.9	11.3	7.03	1.94	0.747	0.529	1.66	2.61	3.94	Jun 11	18.0	0.617	0.460	1991
1992	1.22	2.80	4.51	5.58	6.77	3.85	1.27	0.599	0.575	0.744	1.29	0.89	2.50	Apr 29	16	0.440	0.440	1992
1993	0.81	0.79	1.5	3.9	11	4.02	2.3	1.3	0.38	0.67	1.05	1.05	2.34					1993
1994	1.70	1.14	3.04	7.18	8.24	4.84	1.95	0.78	0.445	0.415	0.595	1.59	2.66	May 07	16.1	0.304	0.254	1994
1995	1.31	3.55	1.96	2.86	7.01	6.46	1.83	1.17	1.05	2.08	14.2	6.81	4.17	Nov 30	52	1.01	1.00	1995
1996																		1996
1997	2.28	2.46	4.28	7.43	16.5	12.5	4.36	1.22	0.921	3.33	3.52	1.62	3.1	May 15	40.7	0.707	0.707	1997
1998	2.06	1.13	1.95	4.47	12.5	6.19	1.89	0.755	0.501	0.488	4.65	1.84	5.16	May 06	31.1	0.457	0.446	1998
1999	2.49	1.32	1.14	3.5	10.5	15.3	8.88	2.77	1.51	2.86	1.27	2.38	2.98	Jun 15	44.1	1.05	1.00	1999
2000	1.02	0.863	0.843	2.33	6.84	11.6	3.76	1.28	1.29	1.31	1.36	0.804	2.77	May 22	26.0	0.919	0.695	2000
2001	0.787	0.638	0.756	3.198	9.16	6.17	2.22	0.902	0.596	0.833	3.53	1.56	2.54	May 23	24.0	0.513	0.438	2001
Avg.	1.6	1.4	1.67	3.89	10.1	9.43	3.84	1.22	0.790	1.24	2.79	2.10	3.32		30.8	0.626	0.519	m³/s
S. D.															14.7	0.220	0.169	m³/s
Normal	1.6	1.5	1.75	4.10	10.0	9.45	4.02	1.27	0.788	1.16	2.84	2.08	3.35					m³/s
Normal	53	44	59	133	336	307	135	42	26	39	92	70	1330	10-Year	49.1	0.388	0.329	m³/s



HOMATHKO RIVER AT THE MOUTH 08GD004

Location: 50°59'05"N, 124°45'01"W

Monthly and Annual Discharge in m³/s

Drainage Area =

5720 km²

Median Elevation =

1680 m

Instantaneous Peak Flow

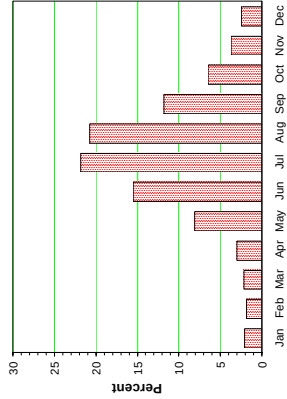
7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year		
1966	41	39	69	131	227	418	672	647	427	306	124	102	269	Jul 15	980	1966		
1967	72	57	45	62.5	225	797	708	717	670	318	149	120	330	Sep 02	2640	1967		
1968	240	75	98	84	239	432	683	500	376	232	148	93	268	Jul 12	1260	1968		
1969	28	23	39	66	310	827	590	486	368	149	118	66	257	Jun 18	1230	1969		
1970	33	50	71	61.2	181	719	537	506	210	115	49	30	214	Jun 12	1280	1970		
1971	74	140	40	83.8	243	418	657	764	331	200	96	48	259	Aug 21	1890	1971		
1972	26	30	140	98	339	621	731	639	270	133	60	72	264	Aug 09	1200	1972		
1973	83.6	52.5	53.8	67.6	224	366	552	565	435	216	81.7	75.2	232	Sep 29	900	1973		
1974	51.2	40.7	64.5	122	210	443	568	654	505	274	87.4	58.6	258	Aug 05	807	1974		
1975	36.1	48.8	37.4	62.3	190	431	653	479	341	171	267	86.2	235	Nov 05	1230	1975		
1976	75.1	57.8	48.7	79.0	240	357	573	602	441	218	134	142	248	Aug 07	861	1976		
1977	84.2	90.8	73.8	103	161	438	701	790	243	128	113	80.0	238	Aug 13	1060	1977		
1978	65.1	63.2	86.1	158	158	485	798	650	296	206	138	62.7	256	Jul 27	1020	1978		
1979	34.6	36.2	98.2	126	243	403	650	686	444	196	73.4	92.3	259	Jul 20	1010	1979		
1980	51.5	53.4	43.8	87.1	268	522	630	539	348	164	133	195	254	Aug 11	869	1980		
1981	131	82.6	57.5	78.9	219	297	686	754	410	130	170	91	261	Aug 10	1100	1981		
1982	54.5	48.1	45.0	58.5	214	743	780	534	462	246	92.3	62.5	280	Jun 21	1200	1982		
1983	68.6	79.0	73.5	92.7	323	542	574	587	277	120	108	50.3	242	Jul 19	1050	1983		
1984	91.1	70.0	73.5	80.1	118	413	580	604	370	439	89.4	54.3	250	Oct 08	2900	1984		
1985	48.2	39.0	39.0	89.1	232	410	705	616	254	111	34.8	22.0	218	Aug 01	2120	1985		
1986	54.2	52.1	87.2	83.6	330	657	684	756	352	185	82.6	60.7	284	May 26	1020	1986		
1987	90.4	84.7	103	103	272	629	868	600	478	199	152	68.8	305	Jun 12	1520	1987		
1988	42.2	47.0	58.0	121	259	426	628	680	424	259	104	68.0	261	Sep 06	1150	1988		
1989	46.8	44.0	33.3	100	241	578	570	661	375	182	142	109	258	Aug 01	1040	1989		
1990	63.0	37.9	43.4	106	220	495	763	735	431	163	249	110	286	Nov 12	1510	1990		
1991	66.1	156	68.5	109	294	552	796	854	418	239	133	89.6	316	Aug 08	1870	1991		
1992	96.8	108	101	143	269	719	768	631	299	288	114	57.8	300	Oct 24	2000	1992		
1993	32.8	53.7	72.7	73.1	424	490	555	644	407	197	74	61.3	259	Aug 23	1390	1993		
1994	69.8	47.4	82.7	139	324	434	778	626	488	206	76	80.4	281	Oct 02	1380	1994		
1995	58.6	87.1	66.6	97.8	339	545	717	450	406	184	196	105	272	Jul 26	1070	1995		
1996	117	77.1	89.4	172	177	417	722	617	329	226	135	56.3	262	Aug 30	1270	1996		
1997	55.5	53.8	65.8	114	320	552	679	637	380	267	134	72.6	279	Aug 13	1350	1997		
1998	71.3	68.4	68.5	74.3	398	698	916	675	461	229	107	88.3	323	Jul 28	1480	1998		
1999	73.3	67.7	62.3	103	200	528	773	936	410	122	160	80.1	295	Aug 25	2350	1999		
2000	50.2	41.5	43.0	80.2	192	457	686	595	375	175	79.7	47.7	236	Jul 28	1300	2000		
2001	48.2	32.9	41.2	59.2	157	388	604	618	404	129	195	59.5	229	Sep 01	1030	2001		
AVG.	67.3	61.6	65.6	94.4	250	518	677	640	387	203	122	78.3	265		1370	39.6	m³/s	
S. D.													27.6		501	67.6	9.93	m³/s
Normal	65.4	64.7	66.6	97.8	255	502	686	652	382	202	121	78.2	266					
Normal	31	28	31	44	119	228	321	305	173	95	55	37	1470	10-Year	1990	155	27.1	m³/s

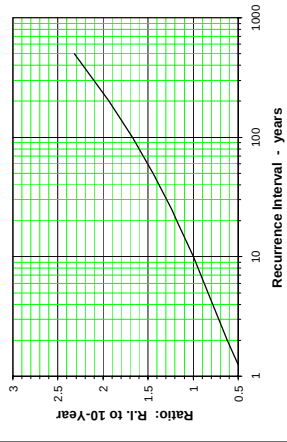
Annual Flow Variation



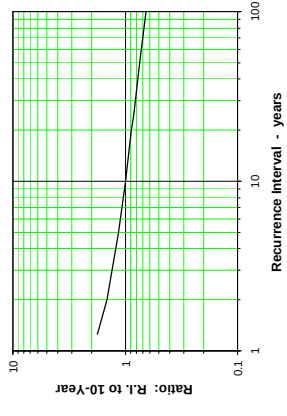
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



LILLOOET RIVER NEAR PEMBERTON 08MG005

Location: 50°20'08"N, 122°47'58"W

Monthly and Annual Discharge in m³/s

Drainage Area = 2160 km²

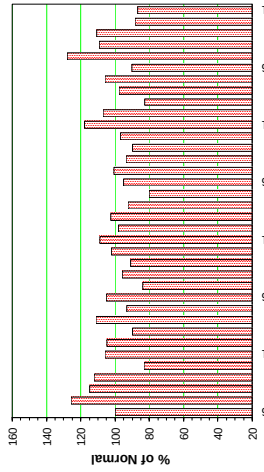
Median Elevation = 1640 m

Instantaneous Peak Flow

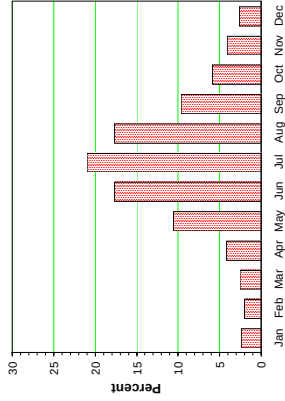
7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year
1966	31.4	21.4	30.0	78.5	139	223	315	254	158	103	50.9	47.2	122	Jul 18	493	1966
1967	32.5	30.0	30.2	35.7	130	443	335	277	214	154	95.4	56.2	153	Jun 23	660	1967
1968	86.7	50.1	63.2	46.7	154	299	359	218	136	98.8	98.9	68.1	140	Jun 27	827	1968
1969	34.3	28.0	28.0	61.6	261	466	267	184	144	71.9	39.3	39.3	137	Jun 13	674	1969
1970	29.4	32.0	34.8	38.4	105	311	247	223	86.7	50.1	31.2	22.6	101	Jun 27	580	1970
1971	27.5	39.8	25.4	58.3	188	246	324	327	147	84.4	40.1	32.2	129	Aug 01	588	1971
1972	23.4	17.8	53.6	55.5	184	321	342	269	115	54.7	29.7	62.2	128	Jul 12	521	1972
1973	37	23	32	41.2	143	222	273	225	137	81.0	55	38	110	Jun 23	436	1973
1974	48	38	34.0	63.7	117	333	333	328	205	77.9	36.8	34.7	136	Jun 19	538	1974
1975	20.0	18.1	19.8	39.0	110	258	334	192	123	71.4	135	38.5	114	Nov 05	858	1975
1976	30.7	30.9	30.4	41.2	136	207	351	314	205	81.6	51.5	51.5	128	Jul 09	515	1976
1977	34.3	38.3	33.6	61.0	91.6	216	228	296	102	41.4	27.7	27.7	102	Aug 14	422	1977
1978	19.3	19.3	36.9	60.2	107	274	338	252	139	87.1	41.3	19.4	117	Jul 27	464	1978
1979	16.7	16.8	29.5	48.9	136	189	265	266	205	93.8	31.0	24.2	111	Sep 03	472	1979
1980	19.9	22.6	31.9	72.9	163	249	273	225	155	83.4	78.0	116	125	Dec 27	993	1980
1981	81.1	52.0	37.6	55.0	166	181	317	294	149	74.4	144	36.6	133	Nov 01	897	1981
1982	24.7	26.5	29.3	41.2	118	349	293	207	167	105	45.6	25.7	120	Jun 21	592	1982
1983	33.4	43.6	48.1	63.7	188	296	300	241	110	66.1	66.8	37.5	125	Jul 12	704	1983
1984	44.6	35.8	38.1	41.0	70.0	232	281	236	125	182	32.6	28.2	113	Oct 08	1310	1984
1985	22.9	22.3	22.9	58.4	136	229	273	222	80.3	54.2	25.7	19.9	97.9	Aug 01	380	1985
1986	22.9	22.1	48.7	47.5	157	313	277	260	122	59.2	30.7	22.4	116	May 27	683	1986
1987	33.7	28.4	54.1	63.8	167	297	319	210	152	67.7	46.7	26.6	123	Jun 12	651	1987
1988	13.4	18.5	33.7	75.5	147	225	271	243	145	93.2	62.1	31.7	114	Jul 27	379	1988
1989	20.7	19.2	24.9	67.2	149	270	209	218	134	85.0	69.5	47.9	110	Jun 14	432	1989
1990	30.8	20.7	28.5	76.6	121	210	273	229	153	80.1	136	110	118	Nov 12	757	1990
1991	45.2	66.9	32.9	61.1	162	263	352	412	162	74.6	48.7	35.9	144	Aug 30	1410	1991
1992	40.7	44.5	61.3	97.6	181	345	284	206	93.1	125	54.6	30.7	131	Oct 24	910	1992
1993	19.6	20.5	33.0	44.4	224	211	189	212	134	60.8	27.8	29.3	101	May 14	543	1993
1994	27.6	25.0	47.5	92.0	188	208	323	223	159	66.3	32.6	31.5	119	Jul 25	470	1994
1995	23.7	38.0	38.6	58.0	200	310	317	165	139	79.9	116	61.2	129	Jul 26	470	1995
1996	52.4	43.7	48.0	103	103	196	277	212	173	119	77.5	18.0	110	Jun 18	851	1996
1997	118	55.1	38.4	68.5	194	322	345	263	179	158	83.7	44.8	156	Jul 29	486	1997
1998	38.6	43.0	52.9	52.9	223	329	336	235	150	68.7	39.7	37.9	133	Aug 25	827	1998
1999	28.2	30.1	31.8	60.6	118	288	387	356	137	52.8	78.3	46.8	135	Jul 28	548	1999
2000	29.8	24.4	28.2	57.6	125	250	283	226	124	71.9	40.5	27.2	108	Jul 28	548	2000
2001	22.4	19.2	26.1	48.0	110	189	266	249	152	53.6	89.2	39.8	106	Aug 22	540	2001
Avg.	35.4	31.2	36.3	59.4	150	271	299	249	143	84.3	61.7	39.0	122		653	22.1 m³/s
S. D.	34.5	31.4	36.5	60.9	150	260	299	252	142	83.5	60.1	37.7	14.3		242	5.31 m³/s
Normal	43	36	45	73	187	312	371	313	170	104	72	47	1770	10-Year	956	16.2 m³/s

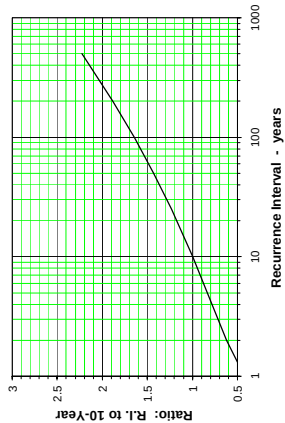
Annual Flow Variation



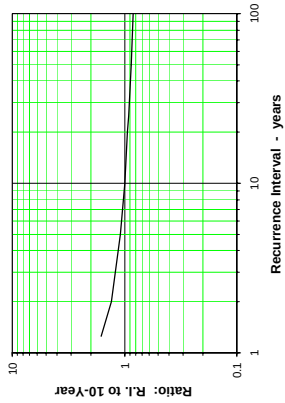
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



MOSLEY CREEK NEAR DUMBELL LAKE 08GD007

Location: 51°24'31"N, 124°55'54"W

Median Elevation = 1760 m

Drainage Area = 1550 km²

Monthly and Annual Discharge in m³/s

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	6.4	5.7	12	21.9	42.2	84.7	138	116	66.5	47	21	16	48.4	Jul 30	210	50.4		1966
1967	11	8.4	7.9	10	42.9	165	131	125	109	57	41	19	60.7	Sep 01	311	66.2		1967
1968	38	11	24	14	52.0	96.8	148	100	62.4	32	25	14	51.6	Jul 11	225	43.7		1968
1969	4.3	3.4	6.8	11	57.2	118	121	88.3	63.1	27	21	10	44.5	Jun 30	190	42.3		1969
1970	5.2	7.4	27	19	35.0	105	109	100	34	18	8.3	4.6	39.6	Jun 21	188			1970
1971	11	21	7.1	14	46	82	130	130	54	31	16	7.4	46.0					1971
1972	4.0	4.4	24	16	64	120	140	110	44	20	10	11	47.9					1972
1973	13	7.7	9.4	11	42	72	110	99	71	33	14	12	41.1					1973
1974	8.0	6.0	11	20	40	87	110	110	83	42	15	9.1	45.5					1974
1975	5.6	7.2	6.6	10	36	85	120	84	56	26	45	13	41.8					1975
1976	12	8.5	8.5	13	45	70	110	110	72	34	23	22	43.7					1976
1977	13	13	13	17	30	86	100	140	40	20	19	12	42.2					1977
1978	10	6.6	11	14	30	95	150	110	48	32	23	9.7	45.9					1978
1979	5.4	5.3	17	20	46	79	120	120	73	30	12	14	45.9					1979
1980	8.0	7.9	7.7	14	51	100	120	95	57	25	23	30	45.2					1980
1981	20.4	12	10	13	41	58	131	130	68	20	32	13	46.2					1981
1982	8.40	7.00	6.33	8.63	43.2	158	144	96.9	81.1	38.0	15.1	9.01	51.5	Sep 09	232	48.5	5.77	1982
1983	10.6	11.0	10.1	13.8	63.3	120	105	99.4	46.9	17.2	13.7	7.50	43.4	Jun 01	233	30.5	6.82	1983
1984	12.3	9.48	9.34	12.0	19.0	86.9	116	108	56.7	73.6	18.5	11.5	44.6	Oct 08	353	34.3	8.08	1984
1985	9.39	7.86	7.12	13.2	48.0	87.6	128	105	39.9	20.4	7.35	4.98	40.2	Aug 01	189	30.4	4.66	1985
1986	8.35	7.08	11.7	12.5	60.8	143	131	125	52.9	28.3	11.6	7.02	50.2	May 26	306	25.4	4.79	1986
1987	12.5	11.6	13.9	15.2	50.6	126	159	104	79.4	31.1	20.8	10.5	53.1	Jul 01	272	51.9	7.05	1987
1988	8.50	8.90	8.01	16.9	48.1	84.6	113	110	68.5	38.4	14.0	9.70	44.2	Jul 26	190	24.0	6.41	1988
1989	7.47	6.92	5.14	14.8	45.9	118	108	119	63.9	28.8	25.1	18.8	47.1	Jul 31	179	43.8	4.66	1989
1990	10.7	7.32	7.85	17.9	46.6	102	140	126	69.2	24.3	31.6	15.2	50.2	Aug 12	220	59.5	6.63	1990
1991	8.41	14.7	9.47	16.7	58.5	122	157	158	69.9	42.6	21.6	13.4	58.0	Aug 09	324	59.3	7.19	1991
1992	14.8	15.5	15.5	23.5	51.3	152	154	113	51.2	46.1	19.4	10.3	55.7	Jun 30	283	26.9	7.89	1992
1993	6.53	8.21	10.1	9.88	89.0	98	107	107	61.3	28.7	13.2	11.2	46.1	Aug 23	185	29.0	5.33	1993
1994	9.31	7.51	13.1	28.9	67.9	93	148	113	78.6	32.5	12.4	9.60	51.5	Oct 01	221	60.4	6.95	1994
1995	9.09	10.5	8.50	D									48				7.47	1995
1996													47					1996
1997													50					1997
1998													57					1998
1999													52					1999
2000													42					2000
2001													41					2001

Avg. 10.4

S. D. 9.89

Normal 17

m³/s

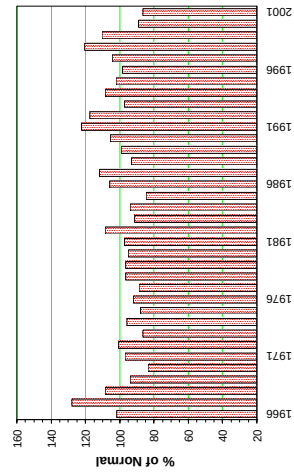
m³/s

mm

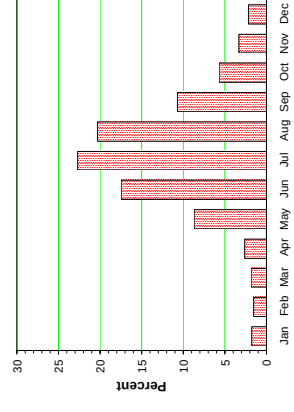
10-Year

m³/s

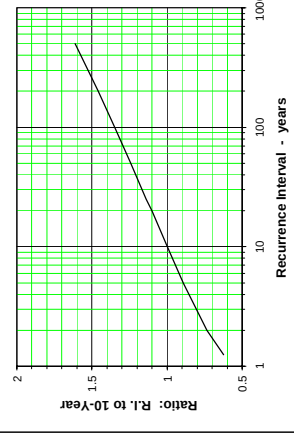
Annual Flow Variation



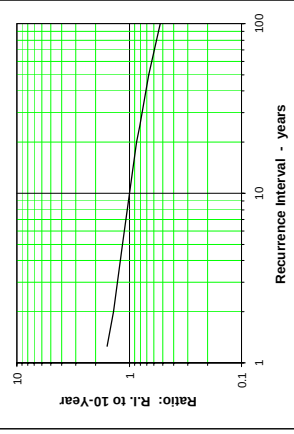
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



PEMBERTON CREEK NEAR PEMBERTON 08MG025

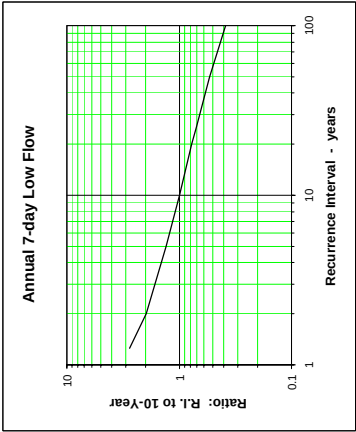
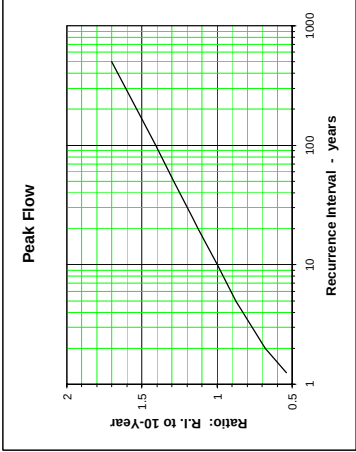
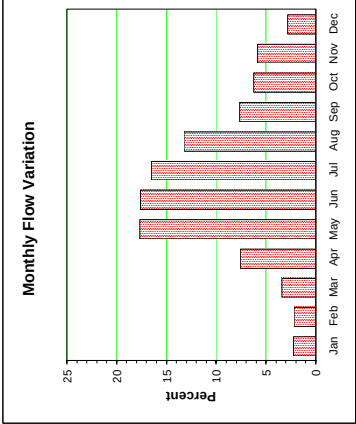
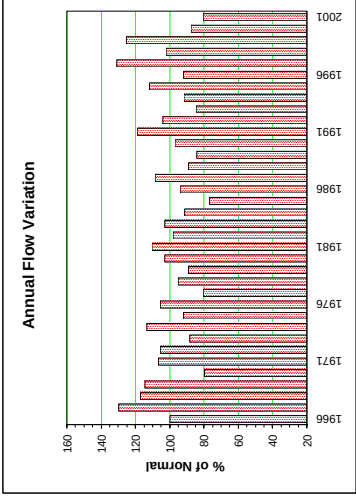
Location: 50°19'02"N, 122°48'05"W

Monthly and Annual Discharge in m³/s Drainage Area = 33.6 km² Median Elevation = 1410 m Instantaneous Peak Flow 7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966													1.6					1966
1967													2.1					1967
1968													1.9					1968
1969													1.9					1969
1970													1.3					1970
1971													1.7					1971
1972													1.7					1972
1973													1.4					1973
1974													1.8					1974
1975													1.5					1975
1976													1.7					1976
1977													1.3					1977
1978													1.5					1978
1979													1.5					1979
1980													1.7					1980
1981													1.8					1981
1982													1.6					1982
1983													1.7					1983
1984													1.5					1984
1985													1.2					1985
1986													1.5					1986
1987													1.76	May 11	13.6	1.04	0.135	1987
1988													1.45	Nov 01	13	0.679	0.079	1988
1989													1.37			1.05		1989
1990													1.98			1.46	0.138	1990
1991													1.93			1.19	0.107	1991
1992													1.69	Aug 30	21.9	0.350	0.174	1992
1993													1.38	Oct 23	15	0.491	0.059	1993
1994													1.49	May 12	13.6	1.26	0.058	1994
1995													1.82	Mar 02	10.1	1.14	0.206	1995
1996													1.5	Nov 29	22.9			1996
1997													2.13	Sep 30	19.1	1.08	0.191	1997
1998													1.66	Dec 13	9.02	1.07	0.225	1998
1999													2.03	Jun 16	14.0	0.816		1999
2000													1.42	Oct 17	10.8	1.04	0.136	2000
2001													1.31	Nov 15	15.2	1.19	0.097	2001

Avg. 0.416 S. D. 0.427 Normal 0.462 Normal 1.45 1.49 52 34 115 269 268 251 202 253 151 117 95 43 89 1.19 1.16 0.520 0.540 1.63 1.61 1520 20.8 0.561 0.066

m³/s m³/s mm 10-Year m³/s m³/s



Ross Lake Inflow

Location: 48°42'57"N, 121°07'48"W

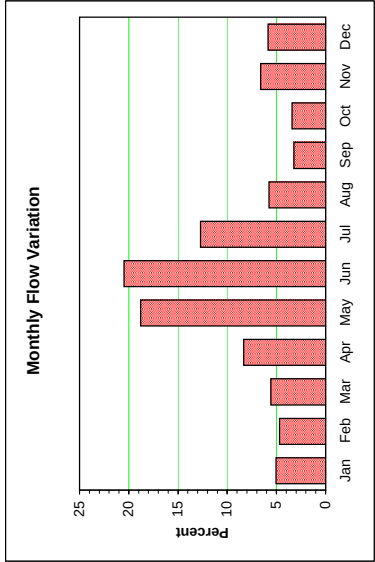
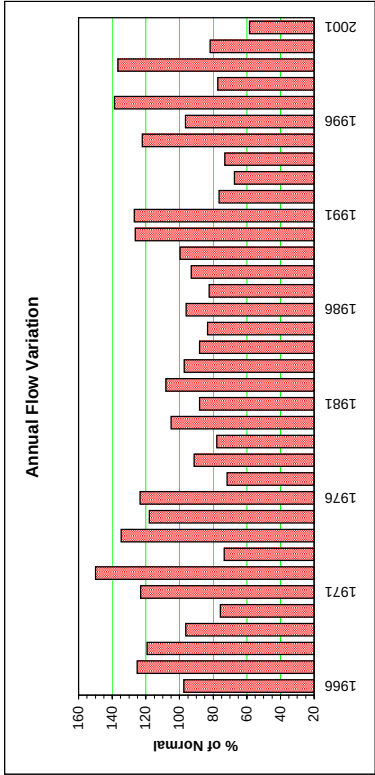
Monthly and Annual Inflow in m³/s

Drainage Area = 2590 km²

Median Elevation = 1440 m

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	% of Normal	Year
1966	37.4	25.2	44.5	120	214	211	141	60.9	38.7	52.3	52.8	113	93.0	97	1966
1967	61.8	56.1	41.5	45.9	213	456	170	66.0	40.4	94.4	107.1	81.5	120	125	1967
1968	125	113	109	62.1	202	305	174	63.7	54.6	41.3	68.6	51.7	114	119	1968
1969	42.3	25.1	37.1	117	310	260	85.3	42.0	50.3	43.5	48.7	38.4	91.9	96	1969
1970	35.6	46.1	43.1	57.4	172	265	84.6	42.9	33.3	24.7	32.0	32.2	72.4	76	1970
1971	51.4	110	48.0	79.9	332	301	236	91.2	41.5	39.9	48.3	32.3	118	123	1971
1972	37.4	53.1	143	95.2	346	460	283	113	57.5	40.4	28.4	58.3	143	150	1972
1973	45.3	26.8	34.6	53.4	183	165	92.0	45.8	28.4	37.0	56.6	69.6	70.1	73	1973
1974	122	49.4	61.0	96.9	195	461	273	117	47.7	26.2	41.7	49.9	129	135	1974
1975	47.4	30.4	35.6	47.8	195	314	206	64.1	36.4	59.2	134	177	113	118	1975
1976	86.5	67.1	41.8	84.7	279	276	267	135.8	71.5	33.2	33.1	35.2	118	123	1976
1977	37.0	43.4	38.5	93.1	113	151	60.7	59.8	29.3	22.1	71.1	109	68.5	72	1977
1978	37.0	36.6	73.9	93.1	159	250	131	59.8	66.1	36.1	72.7	31.2	87.2	91	1978
1979	20.3	27.0	72.9	70.1	206	154	78.3	46.2	37.6	27.8	20.7	125	74.2	78	1979
1980	41.1	50.0	64.8	123	248	183	101	49.5	39.2	28.7	82.6	190	100	105	1980
1981	94.1	87.4	49.9	67.2	168	170	125	61.3	36.7	46.3	50.7	51.0	84.1	88	1981
1982	37.5	73.0	49.3	57.3	203	386	176	72.8	46.3	44.8	35.7	57.6	103	108	1982
1983	74.5	61.1	74.3	81.6	223	205	140	72.9	38.3	24.4	89.5	28.3	92.9	97	1983
1984	132	55.9	56.5	54.9	108	258	141	59.9	33.6	35.9	47.2	26.8	84.1	88	1984
1985	19.4	20.0	23.6	117	224	223	93.2	40.3	30.4	62.5	77.6	22.3	79.5	83	1985
1986	68.1	85.9	121	96.9	195	229	90.1	50.2	28.2	30.2	69.5	38.0	91.8	96	1986
1987	53.1	44.0	83.9	122	271	163	79.1	37.9	26.7	19.9	17.1	23.8	78.7	82	1987
1988	21.8	29.9	53.2	152	221	203	105	46.6	33.4	55.5	86.7	57.2	88.8	93	1988
1989	49.3	35.4	36.1	128	211	236	87.4	48.0	25.8	26.9	133	124	95.2	100	1989
1990	59.6	46.4	58.8	161	166	231	136	57.8	33.3	80.9	318.3	98.7	121	126	1990
1991	54.3	154	60.0	117	239	295	262.6	106	44.7	25.4	51.7	47.7	121	127	1991
1992	65.0	89.0	88.6	114	168	128	70.0	41.7	27.8	27.8	36.4	21.4	73.0	76	1992
1993	20.1	26.9	49.3	60.0	245	126	71.7	47.8	27.6	28.8	24.8	39.6	64.4	67	1993
1994	45.5	31.9	82.7	136	179	114	76.6	35.3	24.0	20.4	23.1	66.0	69.8	73	1994
1995	41.7	120	68.7	71.6	238	209	106	49.1	28.3	48.9	268.8	154	117	122	1995
1996	99.3	95.8	68.0	128	129	212	142	50.2	30.6	37.5	76.5	49.6	92.1	96	1996
1997	80.8	71.6	112	135	339	333	187	68.4	51.9	83.9	75.6	47.5	132	139	1997
1998	50.5	41.9	49.5	74.7	234	160	81.9	35.7	21.9	18.1	45.1	68.0	73.7	77	1998
1999	72.8	45.0	46.5	83.5	188	137	292	137	46.2	39.8	172	82.0	130	137	1999
2000	46.1	32.0	36.8	121	170	234	124	54.9	36.6	39.8	26.0	18.0	78.2	82	2000
2001	27.2	17.2	27.3	48.2	149	113	59.4	43.0	23.6	23.3	83.9	51.8	55.7	58	2001

Avg.	56.7	56.2	60.7	93.5	212	244	140	63.0	38.0	39.8	75.2	65.5	95.5	m³/s
S. D.	57.0	58.1	62.8	97.2	212.5	239.3	143.8	65.0	37.6	38.5	77.1	66.3	96.4	m³/s
Normal	59	55	65	97	220	239	149	67	38	40	77	69	1170	mm



SIMILKAMEEN RIVER ABOVE GOODFELLOW CREEK 08N1L070

Location: 49°05'59"N, 120°39'55"W

Monthly and Annual Discharge in m³/s

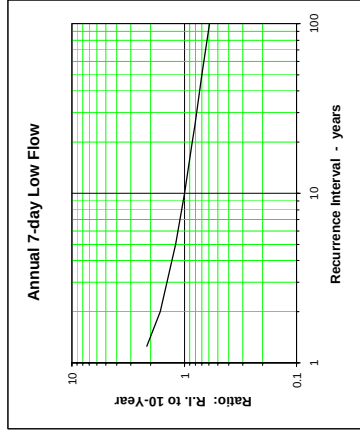
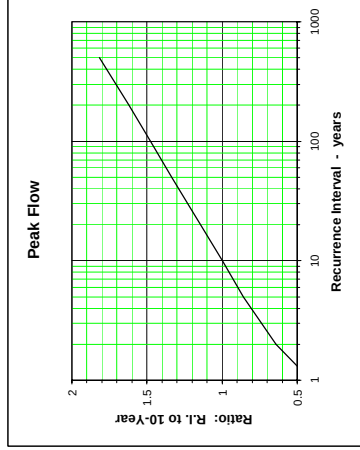
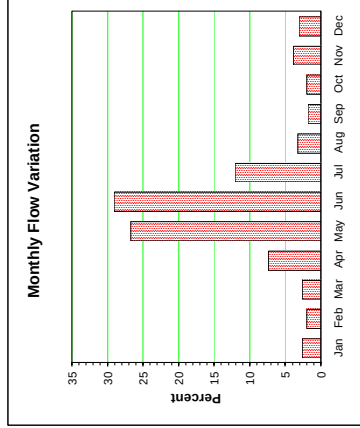
Drainage Area = 407 km²

Median Elevation = 1680 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966													6.4		55			1966
1967													9.9		100			1967
1968													8.8		80			1968
1969													7.1		78			1969
1970													5.3		82			1970
1971													10		97			1971
1972	1.5	1.2	1.4	2.6	18.3	15.6	4.2	0.84	0.31	0.84	1.7	1.3	4.18		170			1972
1973	1.65	2.04	2.26	5.27	21.0	64.0	30.6	6.47	2.03	1.30	1.53	1.29	11.6	Jun 20	54	1.48	1.03	1973
1974	1.40	1.22	1.23	1.71	18.4	42.9	15.8	2.80	1.62	2.21	4.57	7.20	8.43	Jun 02	90.3	1.23	1.09	1974
1975	3.75	3.42	2.18	4.40	34.0	38.5	29.3	9.86	3.32	1.61	1.62	1.09	11.1	Jun 19	84.1	2.23	0.754	1975
1976	1.33	1.82	1.34	6.98	13.4	1.82	3.37	1.72	1.25	1.15	2.10	2.78	4.44	Jun 07	45.0	1.07	0.743	1976
1977	1.31	1.44	3.01	7.49	3.01	35.8	10.3	2.41	3.15	2.12	3.86	1.50	7.86	Jun 05	91.7	1.84	0.826	1977
1978	0.764	0.848	1.89	3.72	25.5	17.4	4.43	1.48	1.15	1.02	0.794	5.24	5.24	May 25	50.4	0.856	0.585	1978
1979	2.03	2.23	1.90	10.6	36.2	23.5	6.29	2.11	2.14	1.59	3.15	10.8	8.57	Dec 27	120	1.45	1.12	1979
1980	8.21	3.70	3.01	5.85	25.6	22.1	11.8	3.17	1.81	2.29	1.96	1.27	7.59	May 25	63.4	1.42	1.00	1980
1981	1.16	1.45	1.42	2.19	20.3	45.9	13.6	3.89	2.83	3.75	2.29	1.73	8.38	Jun 14	82.7	2.20	0.776	1981
1982	2.18	1.77	2.89	5.87	30.0	24.5	10.3	3.46	2.21	1.72	3.78	1.12	7.52	May 29	93.8	1.70	0.584	1982
1983	13.1	3.16	3.01	4.45	10.8	36.3	11.6	2.86	1.64	1.77	1.54	1.02	7.59	Jan 04	101	1.41	0.937	1983
1984	0.967	1.01	1.05	6.36	31.4	26.3	4.79	1.35	1.51	2.88	3.16	2.01	6.92	May 24	80.1	0.939	0.799	1984
1985	2.08	3.56	7.41	9.84	27.6	29.3	7.30	2.46	1.56	1.76	2.90	1.81	8.14	May 30	113	1.30	1.10	1985
1986	1.84	1.78	3.33	11.0	35.8	15.6	4.44	1.50	0.976	0.863	0.795	0.863	6.59	May 12	113	0.847	0.725	1986
1987	0.664	0.806	1.08	9.96	26.0	23.1	6.71	1.81	1.29	1.88	3.29	2.69	6.61	May 13	91.9	0.952	0.497	1987
1988	1.67	1.23	1.23	8.34	26.4	25.8	4.82	2.24	1.38	1.48	6.59	8.28	7.47	Jun 02	65.7	0.997	0.764	1988
1989	2.68	1.83	2.32	15.0	21.1	30.0	10.8	2.99	1.73	5.52	18.0		9.84	Nov 10	63	1.19	1.15	1989
1990	4.06	6.16	3.91	8.12	34.6	50.0	35.7	6.84	2.42	1.31	2.53	1.86	13.2	Jul 03	97.9	1.63	1.00	1990
1991	1.62	2.80	6.06	13.8	23.4	10.5	3.89	1.58	1.17	1.33	1.55	0.928	5.72	May 06	57.3	0.926	0.742	1991
1992	0.691	0.639	1.21	2.76	29.4	12.2	6.94	3.55	1.66	2.05	1.67	1.34	5.39	May 13	92.6	1.35	0.284	1992
1993	1.44	1.19	3.03	13.8	22.5	10.9	4.10	1.37	0.875	0.718	0.848	0.983	5.16	May 08	49.8	0.661	0.603	1993
1994	0.940	2.47	2.88	4.57	33.7	28.6	6.90	2.47	1.08	2.35	16.0	11.7	9.50	Nov 29	172	0.861	0.780	1994
1995	4.45	3.12	4.01	13.6	17.6	34.5	16	3.3	3.1	2.0	2.4	1.8	8.80	Jun 07	73.5			1995
1996	2.1	2.8	3.4	8.11	43.3	44.1	14.3	3.08	2.24	3.63	2.02	2.02	11.1	Jun 01	94.5	1.82	1.79	1996
1997	1.50	1.33	1.85	5.35	34.5	17.6	5.53	1.40	0.892	0.956	1.46	1.14	6.16	May 06	60.9	0.835	0.769	1997
1998	2.12	1.48	1.45	5.34	21.0	47.1	33.3	7.97	2.33	2.57	12.9	3.80	11.8	Jun 16	114	1.79	1.19	1998
1999	2.57	2.49	1.64	10.2	20.0	25.6	8.63	2.48	1.77	2.02	1.50	1.17	6.66	Jun 05	46.5	1.48	1.12	1999
2000	1.16	0.95	1.01	2.67	15.9	10.2	2.92	1.17	0.687	0.979	2.55	1.65	3.50	May 23	51.0	0.566	0.566	2000
2001																		2001
AVG.	2.45	2.07	2.50	7.24	25.5	28.4	11.3	3.06	1.73	1.92	3.82	2.93	7.99		86.0	1.30	0.870	m³/s
S. D.	2.49	2.11	2.56	7.40	25.8	29.1	11.6	3.12	1.76	1.95	3.86	2.97	8.22		30.5	0.446	0.300	m³/s
Normal	16	13	17	47	170	185	77	21	11	13	25	20	637	10-Year	126	0.770	0.517	m³/s



SPUIUS CREEK NEAR CANFORD 08LQ008

Location: 50°08'07"N, 121°01'47"W

Monthly and Annual Discharge in m³/s

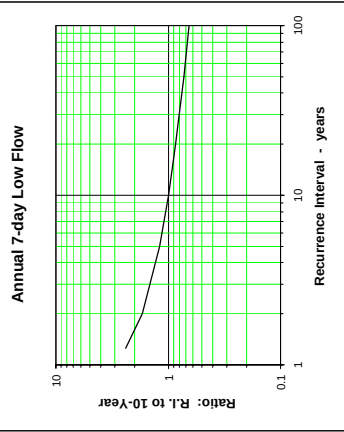
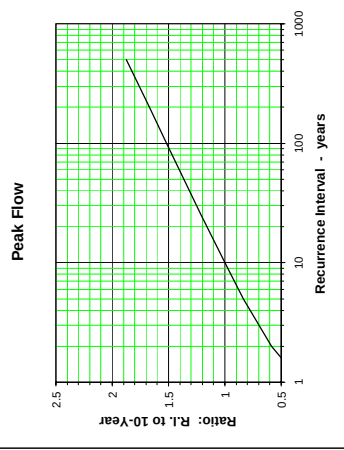
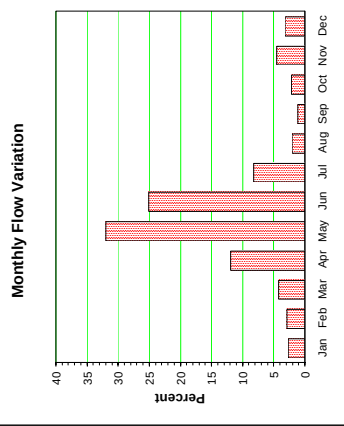
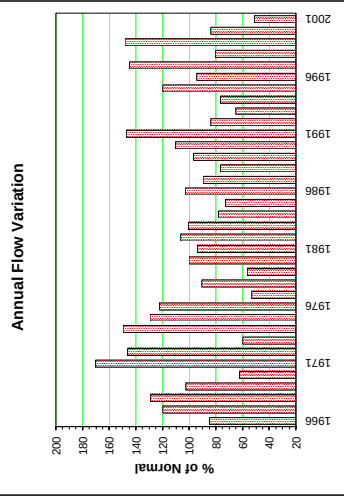
Drainage Area = 767 km²

Median Elevation = 1290 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966													8.7					1966
1967													12					1967
1968													13					1968
1969													10					1969
1970	1.8	2.6	2.5	13	26.9	22.2	34.1	0.800	0.852	0.956	0.658	0.765	6.35	Jun 02	53.5	0.549	0.549	1970
1971	2.52	6.33	3.75	11.8	90.6	60.1	22.5	3.66	1.16	2.29	1.89	1.45	17.4	May 13	180	0.668	0.668	1971
1972	1.12	1.85	3.53	15.2	69.3	57.3	21.7	3.81	1.39	1.76	1.29	0.988	15.0	May 14	170	0.520	0.734	1972
1973	1.08	1.62	1.77	5.90	29.8	18.8	4.78	1.45	1.02	2.67	2.53	1.02	6.13	May 18	84.7	0.752	0.752	1973
1974	3.47	3.72	6.46	17.8	40.9	74.6	0.92	5.44	0.897	0.744	1.11	0.92	15.3	Jun 15	152	0.388	0.376	1974
1975	1.27	1.23	1.18	5.84	38.0	57.6	16.6	2.81	1.52	4.76	17.3	10.9	13.3	Jun 02	133	1.00	0.966	1975
1976	6.96	4.92	3.30	9.01	46.1	38.4	3.30	8.56	3.26	1.33	2.00	2.38	12.5	May 10	105	1.97	1.10	1976
1977	1.96	2.88	2.13	10.0	17.5	16.4	2.73	1.04	1.25	1.86	4.26	3.51	5.45	Jun 07	51.8	0.666	0.666	1977
1978	1.62	1.97	6.30	16.1	29.5	35.6	6.54	1.53	3.05	2.55	4.62	1.60	9.25	Jun 06	103	1.05	1.05	1978
1979	1.15	1.08	3.24	6.99	28.2	14.1	2.52	0.774	1.01	1.23	1.10	7.50	5.78	May 02	43.6	0.686	0.686	1979
1980	2.99	3.11	4.20	20.1	34.9	22.9	6.11	1.67	1.67	1.68	5.16	18.1	10.2	Dec 27	160	1.05	1.05	1980
1981	10.5	6.54	5.99	10.6	31.0	22.6	11.7	1.89	1.06	4.17	6.17	2.97	9.62	May 25	54.7	0.834	0.834	1981
1982	1.94	2.55	2.68	5.78	38.6	53.8	14.9	2.66	1.13	2.89	2.09	1.53	10.9	Jun 14	79.3	0.812	0.812	1982
1983	2.99	4.10	8.50	15.2	46.1	24.8	7.78	1.84	1.91	2.00	5.90	2.19	10.3	May 29	99.2	1.01	1.01	1983
1984	11.2	3.81	5.43	7.52	14.9	34.8	8.29	1.78	1.30	3.08	2.16	1.67	7.98	Jan 05	100	1.10	1.10	1984
1985	1.17	1.23	1.43	13.7	34.8	25.0	3.49	0.949	1.03	3.11	2.56	0.938	7.47	May 19	89.4	0.424	0.424	1985
1986	2.28	5.68	14.3	14.8	40.2	31.8	6.76	1.63	1.21	1.77	3.06	2.58	10.5	May 26	127	0.825	0.825	1986
1987	3.92	2.90	0.99	20.4	43.8	20.6	4.29	1.06	0.755	0.549	0.775	0.853	9.17	May 12	115	0.611	0.467	1987
1988	0.734	1.00	1.62	17.7	31.3	22.7	5.08	1.41	1.55	3.32	5.69	2.14	7.85	May 13	74.9	0.892	0.391	1988
1989	2.40	2.28	2.51	17.5	37.5	26.1	4.65	3.06	1.95	9.83	9.83	7.23	9.92	May 06	85.2	1.36	1.31	1989
1990	3.29	2.03	3.53	22.8	27.3	25.4	6.54	1.20	1.06	6.69	27.8	7.95	11.3	Nov 11	179	0.645	0.645	1990
1991	3.69	22.4	7.39	20.6	59.1	35.0	13.5	4.51	2.76	1.75	7.02	4.09	15.1	May 19	151	1.65	1.34	1991
1992	4.75	9.06	15.0	23.8	23.4	12.7	3.94	0.90	1.23	2.94	3.33	2.14	8.58	Apr 29	114	0.555	0.555	1992
1993	1.56	1.52	3.25	10.3	31.6	12.2	7.13	3.47	1.79	2.00	1.90	2.25	6.65	May 13	98.2	1.31	1.00	1993
1994	3.04	2.10	6.66	26.2	30.9	14.1	4.11	0.97	0.433	0.967	1.35	2.95	7.83	May 09	65.9	0.379	0.379	1994
1995	1.28	7.20	6.73	16.6	49.2	23.8	4.84	2.33	0.818	3.80	22.1	8.23	12.2	Nov 29	198	0.724	0.479	1995
1996	5.92	4.72	7.94	23.3	22.9	28.3	9.33	2.54	1.46	1.43	4.29	2.09	9.66	Jun 04	79.2	1.44	0.541	1996
1997	3.62	2.79	6.35	23.3	68.9	41.7	13.5	2.51	1.42	6.32	5.15	3.32	14.8	May 31	216	0.925	0.925	1997
1998	2.70	2.26	4.50	12.7	48.4	16.2	4.33	0.627	0.432	0.791	1.78	3.47	8.24	May 03	135	0.357	0.357	1998
1999	2.94	2.41	3.52	13.6	41.7	57.4	29.4	6.66	1.91	2.22	13.9	5.77	15.2	May 25	213	1.42	1.42	1999
2000	2.59	2.34	2.08	18.0	28.6	29.4	7.88	1.82	1.53	3.49	3.58	1.96	8.59	May 22	74.2	1.27	1.25	2000
2001	1.57	0.785	1.57	6.98	25.1	14.3	2.71	1.12	0.700	1.23	4.64	1.97	5.25	May 23	90.4	0.559	0.510	2001
AVG.	3.13	3.78	4.97	14.8	38.3	31.0	9.69	2.39	1.39	2.50	5.53	3.72	10.2		115	0.897	0.787	m³/s
S. D.	3.22	3.92	5.17	15.2	39.2	31.8	10.1	2.49	1.43	2.60	5.72	3.87	3.18		48.4	0.389	0.311	m³/s
Normal	11	12	18	51	137	107	35	9	5	9	19	14	428	10-Year	182	0.469	0.428	m³/s



TULAMEEN RIVER AT PRINCETON 08NL024

Location: 49°27'27"N, 120°31'05"W

Monthly and Annual Discharge in m³/s

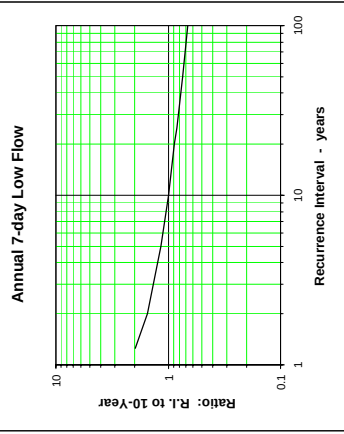
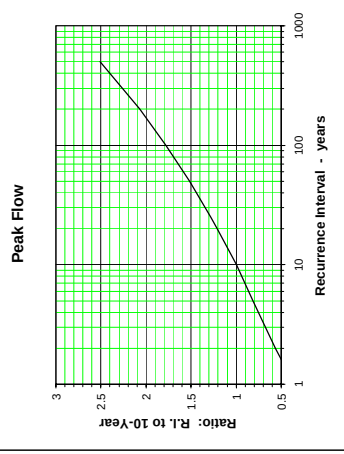
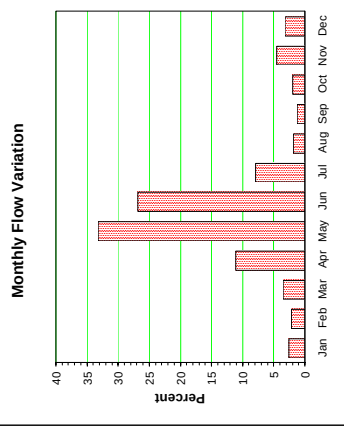
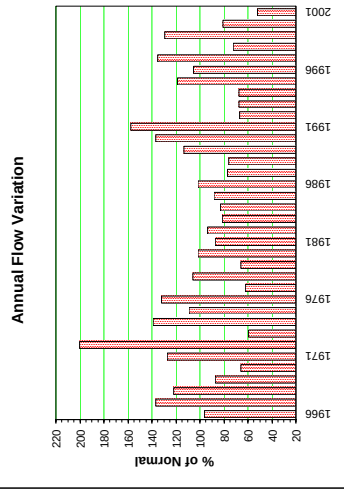
Drainage Area = 1790 km²

Median Elevation = 1400 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year		
1966	392	361	635	30.1	85.2	63.7	18.6	4.14	2.41	7.51	7.28	13.4	20.6	May 10	180	1966		
1967	753	695	567	896	99.5	163	21.6	4.16	2.20	9.81	16.0	10.3	29.3	Jun 22	340	1967		
1968	22.4	18.2	26.3	17.7	86.3	91.4	23.1	4.98	5.33	5.18	7.26	4.83	26.1	May 20	200	1968		
1969	546	495	559	21.1	104	47.6	8.31	2.23	3.32	9.68	7.26	3.37	18.7	May 13	190	1969		
1970	276	286	321	593	65.7	68.2	5.63	1.82	2.82	4.94	2.81	2.57	14.1	Jun 04	160	1970		
1971	230	844	586	14.9	137	102	31.0	4.42	3.15	6.30	6.45	4.86	27.3	May 13	340	1971		
1972	320	362	239	27.2	160	190	76	13.6	5.08	6.19	2.92	2.37	42.9	May 30	490	1972		
1973	290	229	284	12.8	65.4	41.3	9.07	2.43	1.75	3.35	4.42	3.43	12.7	May 18	220	1973		
1974	360	575	687	32.4	90.1	152	49.0	7.54	2.82	2.43	2.77	2.24	29.8	Jun 16	317	1974		
1975	282	292	353	6.78	71.8	117	29.7	5.09	3.25	4.43	12.0	20.7	23.4	Jun 02	246	1975		
1976	12.1	10.4	6.97	20.0	105	99.8	52.3	12.9	6.38	3.41	4.60	5.41	28.3	Jun 18	191	1976		
1977	516	625	529	24.7	49.0	37.7	5.68	2.49	2.28	3.63	7.47	10.8	13.4	Jun 07	110	1977		
1978	459	401	10.1	36.1	82.8	93.8	13.7	3.32	5.50	4.47	11.0	3.30	22.7	Jun 06	241	1978		
1979	191	2.11	5.41	12.9	80.2	41.8	6.82	2.21	1.80	1.73	1.78	9.52	14.1	May 26	131	1979		
1980	459	522	5.21	35.7	91.5	50.7	9.72	3.21	4.05	4.05	9.83	36.7	21.8	Dec 26	343	1980		
1981	215	898	10.2	23.9	75.0	47.2	17.5	4.02	2.68	4.09	4.86	3.02	18.6	May 25	145	1981		
1982	282	360	405	7.66	70.0	106	22.0	5.59	4.79	6.73	3.64	3.29	20.0	Jun 13	190	1982		
1983	592	438	797	24.3	88.0	40.4	17.3	4.07	3.57	3.52	6.95	2.41	17.5	May 29	187	1983		
1984	35.3	893	8.52	14.4	36.0	76.9	16.2	3.83	3.74	3.86	3.03	2.41	17.7	Jun 04	250	1984		
1985	216	300	347	27.4	91.9	64.1	7.64	2.19	3.09	8.45	9.23	3.55	18.9	May 18	212	1985		
1986	321	987	23.6	35.3	85.2	68.5	12.4	3.56	2.73	4.13	7.70	5.52	21.8	May 29	258	1986		
1987	490	457	9.19	39.5	93.0	31.0	7.66	2.41	1.51	1.48	1.48	1.66	16.6	May 01	222	1987		
1988	131	1.74	2.47	30.9	75.5	49.0	10.6	2.41	1.83	5.16	9.01	5.24	16.3	May 13	225	1988		
1989	425	418	4.04	36.0	89.8	68.8	10.1	5.23	3.69	5.37	35.5	23.7	24.3	Nov 10	287	1989		
1990	775	584	7.42	55.0	66.4	72.3	17.9	3.93	2.52	16.40	75.6	21.4	29.3	Nov 10	406	1990		
1991	11.8	20.1	15.6	45.7	123	110	50.8	8.69	3.93	2.83	7.25	5.81	33.8	May 19	301	1991		
1992	466	800	22.2	44.6	51.9	159	7.27	2.41	3.34	4.25	5.18	3.01	14.4	Apr 29	139	1992		
1993	263	276	7.05	18.3	84.0	23.7	11.0	6.77	3.25	3.78	3.87	4.77	14.4	May 13	233	1993		
1994	536	510	11.2	52.1	60.8	21.2	6.48	2.12	1.56	2.17	2.01	2.66	14.4	May 09	138	1994		
1995	255	795	9.72	25.9	97.0	43.9	7.27	3.80	1.60	7.27	67.0	30.9	25.4	Nov 29	708	1995		
1996	134	10.5	13.9	54.7	62.0	72.7	17.4	4.02	3.04	4.36	10.6	5.64	22.6	Jun 03	180	1996		
1997	580	10.9	13.0	37.9	130	97.2	19.4	3.67	3.56	8.08	11.9	6.42	29.0	May 15	330	1997		
1998	630	41.1	7.02	24.2	92.1	29.4	7.74	1.88	1.27	1.73	4.84	3.52	15.4	May 04	194	1998		
1999	742	391	5.05	25.5	87.6	107	48.2	7.80	3.45	7.70	19.5	8.23	23.2	May 24	290	1999		
2000	583	467	4.15	39.0	61.9	59.0	14.2	2.86	3.56	5.16	4.21	3.22	17.3	May 22	137	2000		
2001	323	246	3.18	14.7	59.5	27.2	5.29	1.55	1.07	2.47	7.60	4.35	11.1	May 23	164	2001		
AVG.	676	620	8.78	27.3	84.7	72.0	19.3	4.37	3.11	5.16	11.2	7.90	21.4		247	1.82	m³/s	
S. D.	660	614	8.86	29.5	85.1	71.0	20.4	4.62	3.16	4.87	11.9	8.18	6.97		115	0.728	0.552	m³/s
Normal	10	8	13	43	127	103	31	7	5	7	17	12	383	10-Year	385	1.23	1.16	m³/s



TULAMEEN RIVER BELOW VUICH CREEK 08NL071

Location: 49°27'58"N, 120°58'36"W

Monthly and Annual Discharge in m³/s

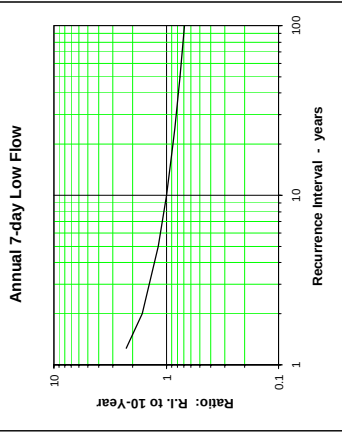
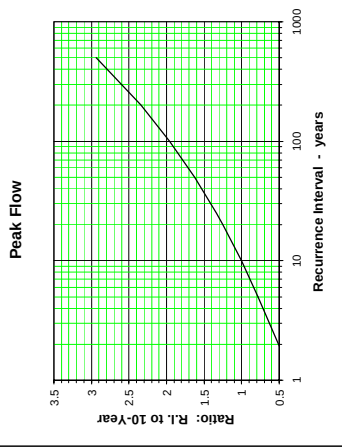
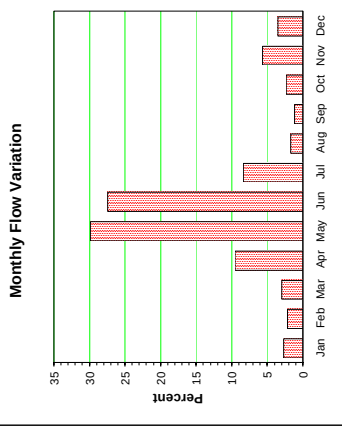
Drainage Area = 253 km²

Median Elevation = 1530 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	1.3	1.7	1.9	9.4	23	49	18.2	2.42	0.540	0.575	0.508	0.285	6.5	Jun 14	95.7	0.361	0.260	1966
1967	0.751	0.612	0.729	2.07	20.7	37.8	10.5	1.52	0.730	1.61	5.75	6.63	8.2	Jun 02	79.6	0.428	0.260	1967
1968	4.54	3.45	1.56	4.12	28.1	32.4	18.7	4.66	2.46	1.00	1.81	1.80	9.0	Jun 18	71.4	1.26	0.775	1968
1969	2.10	2.37	1.74	8.59	14.9	12.4	1.78	0.656	0.619	1.25	3.23	3.79	6.3	Jun 07	37.7	0.440	0.440	1969
1970	1.23	0.975	2.77	7.36	19.3	27.5	4.38	1.09	2.13	1.53	5.82	1.15	5.0	Jun 05	73.9	0.839	0.728	1970
1971	0.559	0.668	2.60	4.59	23.3	14.4	2.14	0.537	0.459	0.466	0.402	4.46	8.8	May 25	37.9	0.295	0.279	1971
1972	1.46	0.919	1.27	9.44	24.9	15.9	3.10	0.834	1.48	1.24	3.82	12.0	12	Dec 27	160	0.641	0.641	1972
1973	6.18	2.33	2.38	6.76	27.3	15.6	5.52	0.882	0.822	1.55	1.41	1.08	4.5	May 25	60	0.518	0.518	1973
1974	1.06	1.18	1.06	2.59	21.2	38.2	8.34	1.99	2.11	3.38	1.54	1.22	9.09	Jun 12	76.3	1.34	0.541	1974
1975	1.92	1.11	1.86	6.73	26.2	14.5	7.57	1.43	0.982	1.02	2.65	1.02	12	May 29	56	0.689	0.557	1975
1976	12.1	3.07	2.50	3.95	11.3	27.4	6.15	1.11	1.45	1.63	1.06	0.851	9.09	Jan 04	90	0.464	0.464	1976
1977	0.664	1.00	1.09	7.57	27.1	22.4	2.62	0.550	1.08	3.59	3.83	1.27	6.08	May 23	64.1	0.305	0.305	1977
1978	1.13	6.37	7.48	7.56	26.0	22.3	4.14	0.835	0.753	1.41	3.64	2.37	6.99	May 29	91.6	0.455	0.455	1978
1979	2.05	1.87	2.31	12.0	34.3	9.68	2.48	0.581	0.387	0.248	0.403	0.367	5.59	May 01	98	0.294	0.223	1979
1980	0.304	0.427	0.727	9.20	25.5	19.5	3.89	0.762	0.621	1.86	3.89	1.92	5.72	May 13	78.0	0.285	0.242	1980
1981	1.47	1.32	1.46	8.82	25.7	23.0	2.86	1.57	1.33	1.86	16.0	7.69	7.76	Nov 10	176	0.723	0.565	1981
1982	2.14	1.15	1.66	13.7	21.1	27.0	6.31	1.14	0.606	7.34	22.8	4.15	9.08	Nov 10	193	0.374	0.366	1982
1983	1.78	3.71	2.86	8.88	28.4	35.3	19.1	2.39	1.01	0.641	2.38	1.67	8.86	May 19	79.1	0.634	0.412	1983
1984	1.42	2.08	5.94	12.2	16.2	5.25	2.44	0.753	1.11	1.55	1.92	1.07	4.33	Apr 29	45.1	0.317	0.317	1984
1985	0.835	0.865	2.15	5.48	29.7	8.62	4.21	2.26	0.900	1.58	1.46	1.46	5.01	May 13	77.5	0.645	0.505	1985
1986	2.66	3.02	4.19	15.1	20.0	7.47	2.28	0.531	0.342	0.624	0.589	0.971	4.82	May 08	46.0	0.227	0.226	1986
1987	0.792	2.46	2.66	5.88	28.7	14.8	2.42	1.37	0.455	2.77	21.9	10.8	7.83	Nov 29	242	0.298	0.298	1987
1988	3.97	3.10	4.25	17.6	20.5	29.9	6.50	1.30	0.906	1.78	4.05	1.88	7.96	Jun 03	80.3	0.587	0.554	1988
1989	1.32	3.02	3.74	6.99	36.7	32.1	6.57	0.935	1.31	3.65	4.07	1.80	8.50	May 14	179	0.722	0.722	1989
1990	1.70	0.895	2.16	6.42	28.5	12.5	3.01	0.441	0.399	0.419	2.09	1.03	4.99	May 06	65.2	0.302	0.302	1990
1991	1.71	0.842	1.03	5.40	21.6	39.9	22.2	3.28	1.13	3.84	10.1	2.45	9.48	Jun 15	111	0.578	0.578	1991
1992	1.49	0.878	0.895	10.4	21.7	23.5	4.95	0.912	1.18	2.29	1.52	0.867	5.87	Jun 15	59.2	0.677	0.677	1992
1993	0.869	0.634	0.755	3.88	20.7	10.9	1.65	0.556	0.408	1.03	3.93	1.33	3.91	May 22	72.7	0.298	0.298	1993
1994	2.12	1.87	2.35	7.87	24.0	22.5	6.57	1.33	0.99	1.85	4.74	2.77	6.80	May 23	92.7	0.536	0.454	1994
1995	2.17	1.91	2.41	8.01	24.1	22.9	6.75	1.36	1.01	1.88	4.77	2.82	1.88	May 14	50.8	0.275	0.169	1995
1996	23	18	25	82	256	235	72	14	10	20	49	30	857	10-Year	155	0.279	0.258	1996
1997	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal



Zone 26

CHEAKAMUS RIVER ABOVE MILLAR CREEK 08GA072

Location: 50°04'48"N, 123°02'02"W

Monthly and Annual Discharge in m³/s

Drainage Area = 295 km²

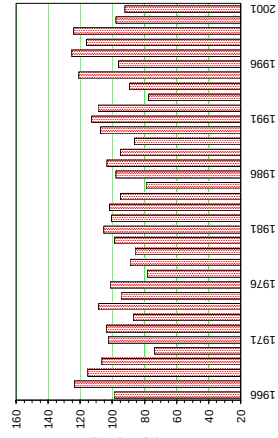
Median Elevation = 1650 m

Instantaneous Peak Flow

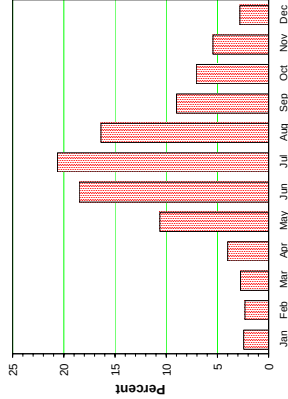
7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966													19					1966
1967													23					1967
1968													22					1968
1969													20					1969
1970													14					1970
1971													19					1971
1972													20					1972
1973													16					1973
1974													20					1974
1975													18					1975
1976													19					1976
1977													15					1977
1978													17					1978
1979													16					1979
1980													19					1980
1981													20					1981
1982	4.87	4.26	3.63	3.99	16.7	55.7	43.7	32.5	24.0	22.9	8.27	5.27	18.9	Oct 24	98.4	17.3	3.02	1982
1983	5.0	6.3	7.95	7.31	26.0	41.3	48.2	37.8	18.4	9.66	17.3	3.3	19.1	Jul 13	114	12.0		1983
1984	10.1	5.83	6.31	5.85	7.70	35.1	42.0	33.8	18.7	36.6	7.28	4.46	17.9	Oct 09	269	9.96	3.59	1984
1985	3.30	3.01	2.53	7.75	20.8	37.1	41.5	30.5	12.4	10.4	4.86	2.75	14.8	Jun 19	95.1	8.52	2.43	1985
1986	4.87	5.86	10.7	7.50	26.0	48.3	39.6	38.3	17.7	9.90	6.95	4.43	18.4	May 26	109	9.50	2.51	1986
1987	8.24	5.12	11.3	9.60	28.3	47.2	48.7	29.6	21.8	8.59	7.90	5.54	19.4	Jun 13	81.5	15.0	3.27	1987
1988	3.46	3.28	3.99	9.81	24.8	37.7	3.99	32.8	20.0	15.9	13.4	5.34	17.9	Jul 22	62.9	9.67	2.97	1988
1989	3.47	3.00	3.03	7.43	16.9	45.3	30.0	29.8	17.1	13.2	14.7	9.89	16.2	Jun 14	80.7	12.8	2.37	1989
1990	4.50	2.99	3.69	11.5	18.0	37.4	50.2	39.0	22.3	16.9	27.6	7.18	20.2	Nov 11	145	19.8	2.55	1990
1991	4.32	14.6	4.97	8.07	21.8	35.1	51.2	63.8	25.5	11.4	7.86	5.23	21.2	Aug 30	331	16.8	3.67	1991
1992	6.85	8.47	8.47	17.4	30.1	45.2	42.1	32.1	17.4	23.2	9.12	4.89	20.5	Oct 24	110	10.1	3.63	1992
1993	3.06	2.99	4.42	7.29	32.8	31.1	26.0	26.9	16.6	10.8	4.93	6.83	14.6	May 13	65.0	8.24	2.72	1993
1994	5.76	4.25	8.69	13.7	26.5	30.0	45.0	28.0	20.1	8.86	4.16	5.69	16.8	Jul 24	57.9	18.4	3.30	1994
1995	4.52	9.82	7.10	7.26	28.4	42.2	51.8	31.0	24.4	15.9	34.3	15.6	22.7	Nov 18	102	19.6	3.45	1995
1996	8.26	7.44	7.69	14.8	14.2	31.4	46.0	32.7	20.0	17.9	11.4	4.63	18.1	Jul 15	62.8	10.7	3.64	1996
1997	6.30	4.33	6.10	11.5	32.4	52.6	47.5	40.6	29.8	28.8	15.7	6.05	23.6	Oct 01	102	21.0	3.37	1997
1998	5.92	7.05	6.45	7.26	36.6	57.0	55.2	33.0	22.6	11.4	9.44	8.61	21.8	Jun 09	75.4	16.1	3.99	1998
1999	5.00	3.72	3.36	6.51	19.8	50.0	67.7	60.2	22.8	9.08	22.4	8.05	23.4	Jun 16	110	16.2	2.86	1999
2000	5.86	4.42	4.07	9.17	20.0	43.5	47.1	36.8	20.0	16.7	7.82	4.15	18.4	Jul 29	84.7	16.3	3.67	2000
2001	4.42	2.72	3.35	6.30	18.6	29.6	38.4	43.9	23.3	9.33	19.7	7.09	17.3	Aug 23	79.3	19.2	2.36	2001
AVG	5.40	5.47	5.89	9.00	23.3	41.6	45.3	36.7	20.7	15.4	12.8	6.26	18.8		109	14.4	3.12	m³/s
S. D.	5.46	5.62	6.03	9.14	23.6	42.3	45.6	36.3	20.6	15.7	12.4	6.22	2.52		69.8	4.24	0.522	m³/s
Normal	50	46	55	80	214	371	414	329	181	142	109	56	2010	10-Year	179	8.80	2.42	m³/s

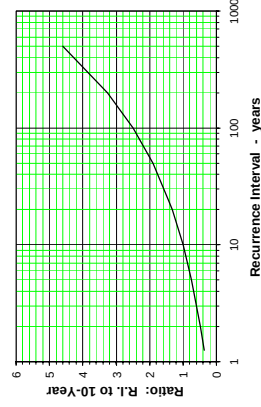
Annual Flow Variation



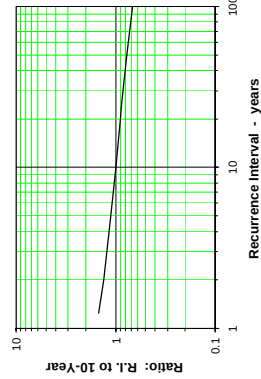
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



CHILLIWACK RIVER AT VEDDER CROSSING 08MH001

Location: 49°05'50"N, 121°57'45"W

Monthly and Annual Discharge in m³/s

Drainage Area = 1220 km²

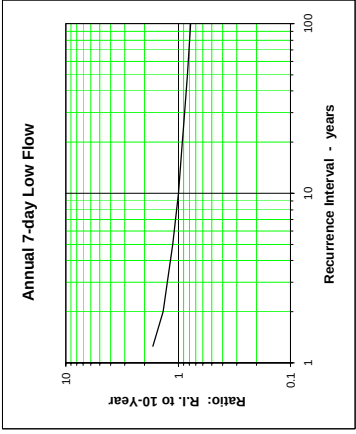
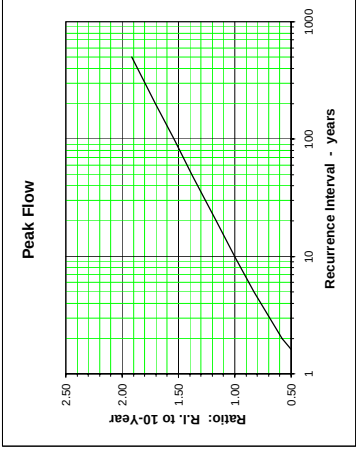
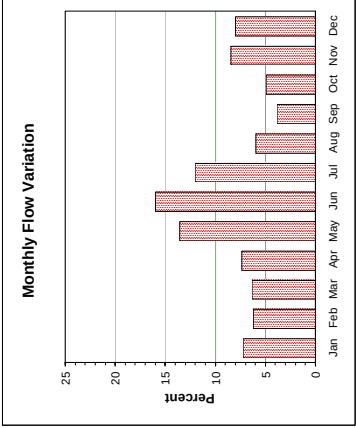
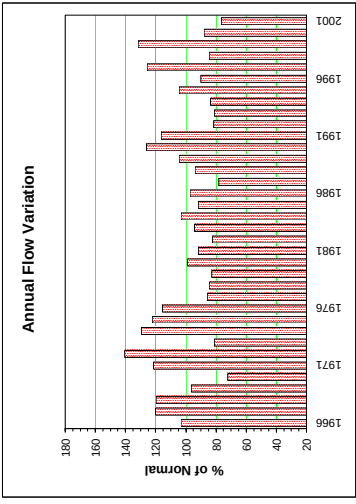
Median Elevation = 1240 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	
1966	38.5	27.1	37.9	72.6	109	129	110	47.6	26.9	53.2	53.4	120	69.1	Dec 16	470	25.1	21.8	1966
1967	73.0	63.5	40.2	33.3	106	213	104	49.1	27.7	86.9	88.5	79.4	80.4	Oct 31	490	21.7	21.7	1967
1968	129	85.7	76.5	46.6	101	151	100	46.2	60.0	45.5	64.3	60.0	80.0	Jun 02	630	33.9	33.9	1968
1969	49.7	26.2	30.7	67.1	160	152	47.8	30.2	47.8	47.9	52.8	44.8	64.5	May 24	281	22.8	21.3	1969
1970	44.5	50.3	38.2	45.8	74.0	129	50.7	26.0	26.8	25.1	35.4	37.0	48.4	Jun 03	259	18.4	18.4	1970
1971	63.5	106	42.7	53.1	154	157	147	69.9	36.4	47.6	61.2	39.4	81.3	Jan 30	453	27.6	23.9	1971
1972	38.1	52.4	126	67.7	172	223	181	80.6	44.8	32.8	31.8	73.5	93.9	Jul 12	428	31.5	19.6	1972
1973	55.3	30.0	26.7	31.0	101	107	72.0	33.4	20.0	41.8	57.8	57.7	54.2	Oct 28	203	18.0	17.7	1973
1974	85.7	51.4	56.2	64.7	109	243	171	87.8	40.1	24.5	48.1	57.6	86.7	Jun 19	385	29.2	20.9	1974
1975	58.3	33.4	36.5	29.2	102	165	132	48.0	30.8	65.7	11.1	164	81.7	Dec 03	787	24.3	23.7	1975
1976	92.3	53.2	32.0	50.1	138	141	147	98.2	62.7	29.1	33.5	47.1	77.2	Jun 19	282	41.3	22.8	1976
1977	52.5	38.7	31.0	58.8	73.3	106	51.7	40.1	27.6	29.7	76.4	103	57.4	Jan 18	481	24.0	18.1	1977
1978	43.5	38.5	48.2	52.6	73.3	119	77.8	43.5	66.4	35.5	56.5	24.6	56.6	Nov 07	762	37.3	20.7	1978
1979	15.3	24.9	66.1	48.8	104	87.5	60.4	32.7	33.7	27.4	26.3	134	55.4	Dec 17	781	25.4	13.2	1979
1980	39.1	50.8	47.4	69.1	113	98.4	69.7	35.1	35.1	27.1	77.3	132	66.2	Dec 26	856	27.9	22.1	1980
1981	80.0	77.0	45.8	59.5	85.9	107	77.7	46.6	28.0	41.3	46.6	45.1	61.3	Feb 19	220	22.8	22.8	1981
1982	38.5	58.3	38.0	35.0	72.6	158	87.3	43.8	27.1	30.8	30.4	43.4	55.2	Dec 03	395	19.6	18.8	1982
1983	72.8	53.7	54.2	45.4	101	121	117	39.1	27.7	21.0	67.4	34.7	63.0	Jul 12	414	21.2	16.1	1983
1984	130	56.1	49.6	45.5	73.5	147	105	46.0	37.4	41.2	60.0	36.2	69.0	Jan 04	500	28.0	24.0	1984
1985	29.7	24.8	21.0	71.1	128	166	68.5	29.3	21.7	63.5	85.7	25.5	61.3	Oct 27	428	18.0	15.9	1985
1986	59.7	73.1	79.2	59.4	104	124	70.3	32.9	21.4	28.7	84.7	44.1	65.0	Nov 23	767	18.0	14.7	1986
1987	54.8	40.4	61.6	71.8	142	97.5	55.5	25.6	18.9	12.1	15.6	29.9	52.3	May 12	404	15.8	10.3	1987
1988	23.7	31.8	42.1	94.5	124	121	73.6	32.0	23.9	51.7	79.4	55.8	62.8	Nov 05	328	17.8	14.5	1988
1989	48.3	38.6	37.8	96.4	112	125	61.0	38.0	20.1	27.2	140	95.1	69.9	Nov 10	820	16.5	14.2	1989
1990	51.3	51.0	45.5	101	94.3	130	89.5	36.7	23.6	89.3	220	80.4	84.3	Nov 10	910	18.2	17.8	1990
1991	53.4	133	52.3	74.3	110	128	140	69.0	41.2	20.8	61.8	54.0	77.7	Jul 03	245	26.0	18.1	1991
1992	64.9	78.3	51.7	62.9	89.5	72.1	53.3	32.2	29.7	35.9	50.2	35.2	54.5	Apr 30	360	20.0	20.0	1992
1993	31.0	34.8	44.8	50.3	146	105	60.1	41.7	22.0	24.7	29.2	58.4	54.2	May 13	293	16.4	15.2	1993
1994	54.5	33.0	80.7	77.0	99.3	82.4	68.8	28.8	20.4	21.2	28.4	76.0	55.9	Dec 20	380	16.2	13.4	1994
1995	44.3	99.4	63.9	37.4	86.0	94.3	68.6	33.9	18.4	64.0	162	69.1	69.8	Nov 08	520	14.4	14.4	1995
1996	71.5	65.7	46.0	67.7	70.0	91.1	86.9	36.3	26.6	47.2	71.2	44.5	60.3	Oct 28	171	18.5	17.1	1996
1997	88.2	69.3	62.4	53	152	168	132	51.5	45.4	73.0	61.6	51.8	84.2	Jun 01	490	32.0	28.8	1997
1998	66.0	50.6	49.6	49.7	110	100	63	28	17	19	56	70	56.6	Nov 12	535	29.4	23.5	1998
1999	75	42	42	55	88.9	174	180	111	39.7	43.7	121	82.0	88.1	Nov 12	326	25.0	19.1	1999
2000	40.9	30.3	30.8	72.9	98.6	164	89.8	44.2	34.7	28.2	28.2	23.2	58.8	Jun 14	407	18.8	15.4	2000
2001	33.5	19.7	25.5	35.7	93.1	96.2	54.3	33.9	23.1	35.3	98.1	64.6	51.2	Nov 15	407	18.8	15.4	2001

Avg	58.1	52.4	48.9	58.5	108	133	92.7	45.8	32.1	40.6	68.7	64.0	66.9	470	23.5	19.3	m³/s
S. D.	57.4	53.8	50.4	60.2	108	131	95.2	47.2	31.4	38.9	69.3	63.5	67.2	201	6.52	4.70	m³/s
Normal	126	108	111	128	236	278	209	104	67	85	147	139	1740	746	16.5	13.7	mm
10-Year																	m³/s



CHILLIWACK RIVER AT OUTLET OF CHILLIWACK LAKE 08MH016

Location: 49°05'02"N, 121°27'24"W

Monthly and Annual Discharge in m³/s

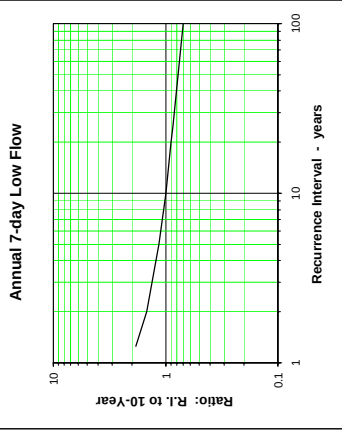
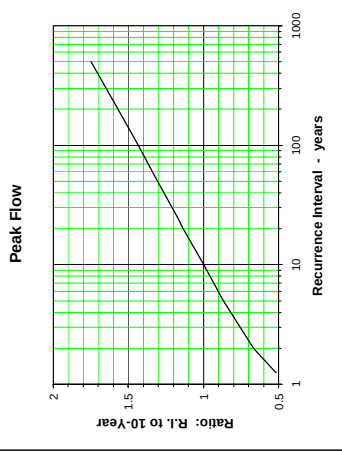
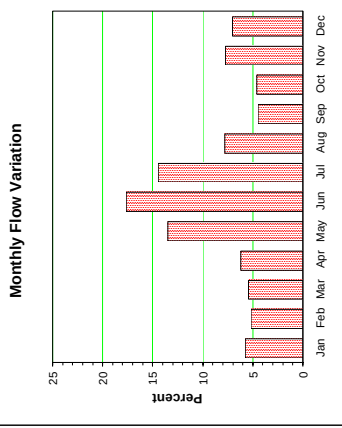
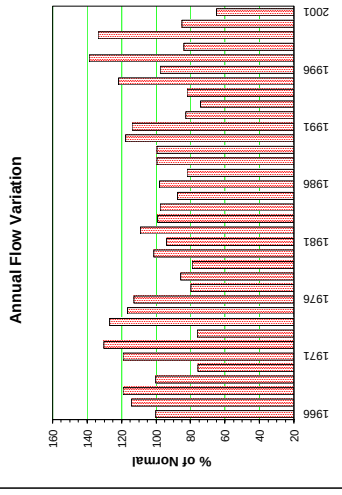
Drainage Area = 329 km²

Median Elevation = 1400 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year
1966	9.52	6.48	7.50	20.0	30.8	40.4	37.5	18.0	10.1	11.7	12.7	28.7	19.5	Dec 18	61.2	1966
1967	12.9	12.3	7.32	7.16	27.3	66.8	39.8	18.5	11.3	23.1	26.2	14.9	22.3	Jun 22	95.1	1967
1968	29.1	22.1	20.2	10.0	26.9	51.5	40.1	17.3	18.2	11.1	17.9	14.1	23.2	Jun 03	87.2	1968
1969	11.0	5.57	5.33	16.4	46.6	55.2	24.6	11.9	15.7	16.1	8.73	11.2	19.5	May 25	74.8	1969
1970	10.1	12.1	9.13	10.5	20.5	44.9	23.1	10.7	8.47	7.47	8.73	11.9	14.8	Jun 04	61.2	1970
1971	13.2	27.0	9.44	11.7	44.2	48.8	50.0	28.9	12.8	10.8	13.2	8.95	23.2	Jul 22	72.2	1971
1972	7.43	9.28	29.4	17.0	43.7	67.2	53.2	27.9	15.3	10.7	7.69	15.0	25.4	Jun 10	116	1972
1973	12.6	6.27	6.53	6.91	25.3	31.0	24.1	13.3	7.26	10.1	16.1	17.9	14.8	May 19	47.6	1973
1974	24.4	10.9	12.6	15.9	28.7	70.4	54.9	32.7	14.7	6.87	10.7	13.4	24.8	Jun 20	109	1974
1975	10.7	7.26	7.53	5.86	25.7	52.2	47.0	17.9	11.3	19.0	31.3	36.0	22.7	Dec 04	96.3	1975
1976	13.7	13.0	7.17	11.2	37.5	41.2	51.4	35.3	20.4	9.59	8.25	8.57	22.0	Jul 09	69.1	1976
1977	10.9	9.26	7.88	13.4	20.5	32.3	16.8	15.4	9.66	7.10	17.7	25.4	15.5	Jun 09	42.5	1977
1978	10.5	8.20	9.70	14.4	38.2	38.2	29.9	16.0	20.4	10.6	14.9	6.47	16.7	Jun 06	59.5	1978
1979	3.93	5.05	14.1	10.1	29.9	30.4	22.0	11.2	11.5	7.82	8.16	29.8	15.4	Dec 19	95.4	1979
1980	10.3	11.2	15.2	18.2	38.2	32.5	24.4	12.8	9.82	7.78	19.9	35.9	19.7	Dec 27	125	1980
1981	23.9	18.6	10.6	10.9	26.4	30.2	28.0	16.6	9.05	13.4	16.9	15.2	18.3	Jan 01	68.1	1981
1982	9.01	15.3	12.6	8.66	29.6	63.6	44.5	21.8	12.6	11.5	10.6	15.4	21.3	Jun 21	92.5	1982
1983	14.5	13.3	15.4	11.5	29.6	43.0	38.3	18.1	9.74	5.40	25.4	7.79	19.4	Jul 15	77.4	1983
1984	25.3	13.5	11.2	10.6	18.4	43.1	37.9	19.5	12.1	12.6	15.5	8.72	19.1	Jun 29	66.1	1984
1985	6.20	6.94	4.81	17.5	32.5	47.5	27.4	11.5	7.85	15.9	21.7	5.67	17.1	May 25	65.5	1985
1986	16.8	16.8	24.1	16.8	27.0	45.3	27.4	13.3	7.49	7.19	18.1	11.7	19.1	Jun 02	80.6	1986
1987	14.7	10.8	16.2	16.3	43.8	34.1	21.7	9.84	7.00	4.09	4.02	8.54	16.0	May 13	78.7	1987
1988	5.95	7.45	11.1	25.6	37.1	41.8	30.6	14.4	8.49	15.0	22.2	12.9	19.4	May 14	57.8	1988
1989	9.66	8.94	7.87	20.2	32.8	43.7	38.2	13.6	6.84	7.26	33.1	25.4	19.4	Nov 11	101	1989
1990	12.1	9.26	9.41	23.6	25.2	33.8	33.8	8.48	8.48	18.6	58.4	22.0	23.0	Nov 11	134	1990
1991	11.0	35.1	12.7	17.5	32.0	40.0	48.5	25.7	14.0	5.83	12.6	12.8	22.2	Jul 05	66.3	1991
1992	11.5	22.4	14.5	16.3	31.6	27.8	18.8	12.1	8.42	10.7	12.0	8.16	16.2	May 01	58.2	1992
1993	5.49	8.48	9.60	11.9	38.5	32.1	17.7	14.1	7.51	6.79	6.19	13.5	14.5	May 20	59.7	1993
1994	12.5	8.45	19.0	22.0	32.4	26.0	23.9	10.6	6.85	4.82	6.19	18.2	16.0	May 12	48.0	1994
1995	13.6	27.5	16.6	10.7	30.2	36.9	27.5	14.6	6.78	16.0	47.4	27.7	23.7	Nov 30	125	1995
1996	21.5	20.7	13.7	20.0	21.5	34.0	31.2	14.3	10.0	11.7	18.6	11.4	19.0	Jun 08	46.6	1996
1997	22.0	15.8	20.9	22.1	49.1	59.7	43.6	19.5	14.4	19.3	19.3	12.6	27.0	Jun 01	94.9	1997
1998	14.6	11.1	9.88	11.4	35.8	34.9	23.6	10.4	5.11	5.35	13.1	20.9	16.4	May 07	52.9	1998
1999	17.0	10.5	10.4	12.0	25.5	55.4	57.1	38.4	15.2	11.5	39.5	19.3	26.1	Nov 14	111	1999
2000	10.5	7.21	6.89	18.4	26.2	44.9	30.2	17.3	10.3	13.2	7.87	5.43	16.5	Jun 15	54.5	2000
2001	8.55	4.07	5.00	5.38	18.1	24.8	17.8	12.0	7.35	6.93	27.4	14.5	12.7	Nov 16	62.8	2001
Avg.	13.4	12.7	12.0	14.4	30.8	43.1	33.0	17.5	10.9	11.1	18.5	16.3	19.5		78.2	m³/s
S. D.	13.4	13.2	12.6	15.0	31.3	42.3	33.5	18.0	10.7	10.7	18.6	16.4	3.68		24.6	m³/s
Normal	109	98	102	118	255	333	273	147	84	87	147	133	1890	10-Year	111	m³/s
															5.51	m³/s



CLAYTON FALLS CREEK NEAR THE MOUTH 08FB009

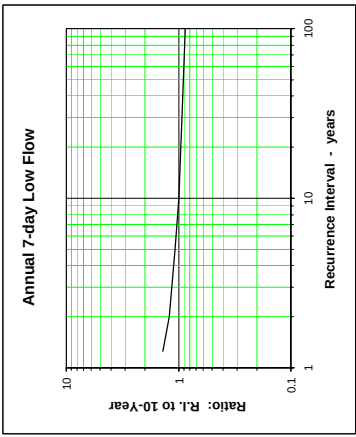
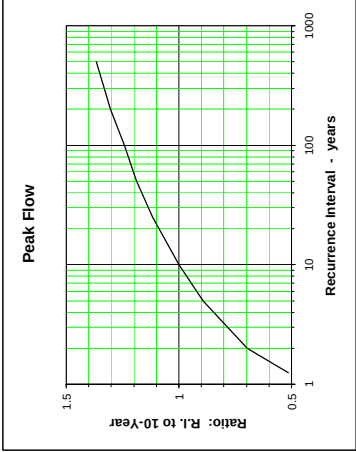
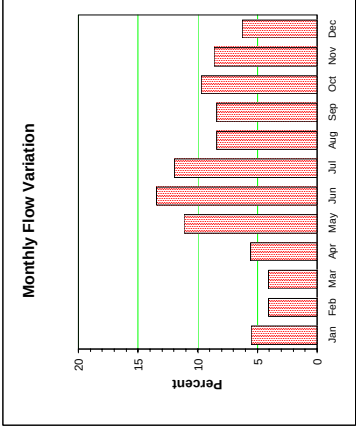
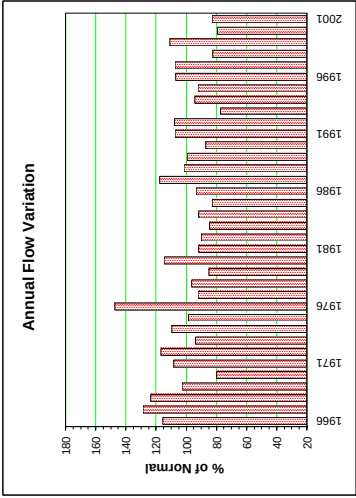
Location: 52°21'52"N, 126°48'29"W

Monthly and Annual Discharge in m³/s 112 km² Median Elevation = 1240 m

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966													7.6					1966
1967													8.4					1967
1968													8.1					1968
1969													6.8					1969
1970													5.2					1970
1971													7.1					1971
1972													7.7					1972
1973													6.2					1973
1974													7.2					1974
1975													6.4					1975
1976													9.7					1976
1977													6.1					1977
1978													6.3					1978
1979													5.6					1979
1980	3.16	2.45	2.37	4.77	9.52	9.44	8.40	7.23	13.2	7.00	7.53	14.9	7.5	Sep 06	102	5.87	2.03	1980
1981	4.60	3.10	2.34	4.24	10.3	8.96	9.36	6.76	5.92	5.35	7.78	3.21	6.01	Sep 30	63.6	3.19	2.11	1981
1982	2.25	2.07	1.71	2.48	8.20	14.1	9.44	6.22	11.8	5.79	3.71	3.08	5.91	Sep 08	123	3.76	1.51	1982
1983	4.71	3.13	2.39	3.62	7.85	10.1	9.38	6.16	7.21	5.61	3.87	2.30	5.54	Oct 25	54.0	3.56	2.03	1983
1984	7.88	3.66	2.98	2.89	3.82	8.72	9.58	6.94	8.43	10.2	4.13	2.93	6.03	Oct 07	75.7	3.67	1.91	1984
1985	4.03	2.95	2.41	4.66	9.34	9.54	10.8	5.77	3.18	7.88	2.41	1.76	5.42	Oct 15	105	2.53	1.60	1985
1986	3.97	3.56	4.02	4.24	9.86	13.0	9.64	6.78	5.00	5.25	4.85	3.19	6.13	Mar 26	76.3	3.08	1.63	1986
1987	5.52	4.58	3.93	4.51	9.64	16.4	11.5	5.37	7.67	9.12	10.3	3.87	7.70	Oct 28	86.8	3.83	1.92	1987
1988	2.64	3.38	3.28	5.57	9.30	10.4	9.71	8.24	7.93	8.07	4.81	6.44	6.66	Sep 29	110	2.67	1.85	1988
1989	3.62	2.15	1.83	4.91	8.54	10.4	7.13	4.81	3.37	6.80	15.7	8.65	6.51	Nov 09	96	2.71	1.70	1989
1990	4.43	1.86	2.77	5.30	8.00	9.90	7.53	5.99	3.33	8.35	6.81	4.41	5.72	Nov 12	75.7	3.06	1.51	1990
1991	2.61	6.18	2.32	4.10	8.60	11.7	10.9	9.51	5.61	7.12	9.66	6.11	7.03	Oct 09	38.2	4.37	1.58	1991
1992	5.73	5.47	4.94	5.79	6.14	11.6	7.71	5.79	8.54	10.8	8.21	4.31	7.08	Oct 23	76.2	3.88	2.15	1992
1993	2.03	3.59	3.45	2.29	9.05	8.24	6.63	5.83	3.21	5.31	7.76	3.47	5.08	Nov 02	74	2.10	1.46	1993
1994	4.24	1.67	5.03	6.74	8.36	8.70	8.84	5.43	8.43	8.55	4.01	3.92	6.19	Sep 30	63.0	3.80	1.31	1994
1995	2.04	4.58	2.42	4.50	10.1	9.25	9.98	6.51	3.73	7.61	7.43	4.13	6.03	Nov 29	39.6	2.94	1.55	1995
1996	8.71	3.57	4.70										7.0					1996
1997													7.0					1997
1998													5.4					1998
1999													7.3					1999
2000													5.2					2000
2001													5.4					2001

Avg.	4.25	3.41	3.11	4.41	8.54	10.6	9.16	6.46	6.66	7.43	6.81	4.79	6.56		78.9	3.44	1.74	m ³ /s
S. D.															24.3	0.885	0.260	m ³ /s
Normal	4.25	3.41	3.11	4.41	8.54	10.6	9.16	6.46	6.66	7.43	6.81	4.79	6.49					m ³ /s
Normal	102	74	74	102	204	246	219	154	154	178	158	115	1830	10-Year	112	2.46	1.42	m ³ /s



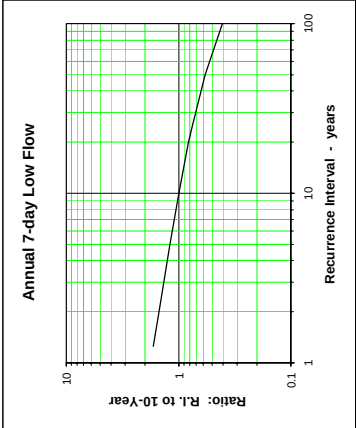
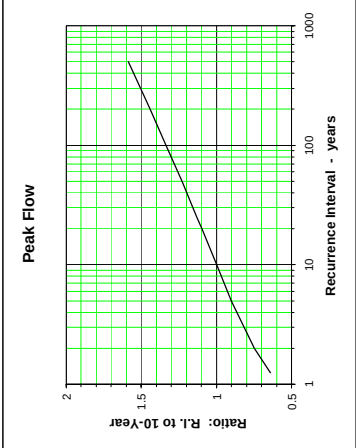
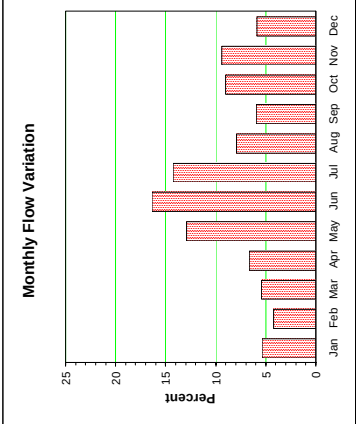
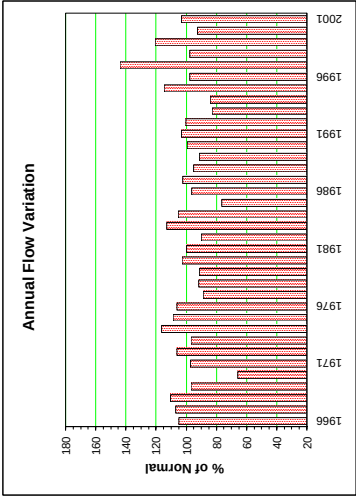
CLOWHOM RIVER NEAR CLAWHOM LAKE 08GB013

Location: 49°47'16"N, 123°25'13"W

Drainage Area = 148 km² Median Elevation = 1240 m Instantaneous Peak Flow 7-Day Low Flow

Monthly and Annual Discharge in m³/s

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966													16					1966
1967													17					1967
1968													17					1968
1969													15					1969
1970													10					1970
1971													15					1971
1972													16					1972
1973													15					1973
1974													18					1974
1975													17					1975
1976													16					1976
1977													14					1977
1978													14					1978
1979													14					1979
1980													16					1980
1981													15					1981
1982													14					1982
1983													17					1983
1984													16					1984
1985													12					1985
1986													15					1986
1987													16					1987
1988													15					1988
1989													14					1989
1990													15					1990
1991													16					1991
1992													16					1992
1993													13			3.27		1993
1994													13.1	Mar 02	159	6.16	3.69	1994
1995													17.8	Nov 17	220	4.65	4.28	1995
1996													15.1	Oct 04	179	6.88	4.35	1996
1997													22.3	Sep 30	175	6.48	3.82	1997
1998													15.2	Dec 13	141	4.76	3.62	1998
1999													18.7	Aug 25	188	7.80	3.80	1999
2000													14.4	Oct 20	200	5.71	2.93	2000
2001													16.0	Nov 15	274	7.82	1.96	2001
Avg.	9.47	7.75	9.40	12.2	23.4	30.5	25.7	16.3	11.5	16.1	19.5	10.5	15.5		192	5.95	3.56	m ³ /s
S. D.													2.07		40.9	1.52	0.779	m ³ /s
Normal	9.89	8.45	10.0	12.6	23.7	31.1	26.1	14.6	11.3	16.6	17.8	10.8	15.6					m ³ /s
Normal	179	139	181	220	430	544	473	264	198	300	312	195	3320	10-Year	247	3.79	2.51	m ³ /s



CLOWHOM LAKE INFLOW

(Monthly Reservoir Data provided by BC Hydro is preliminary and subject to revision)

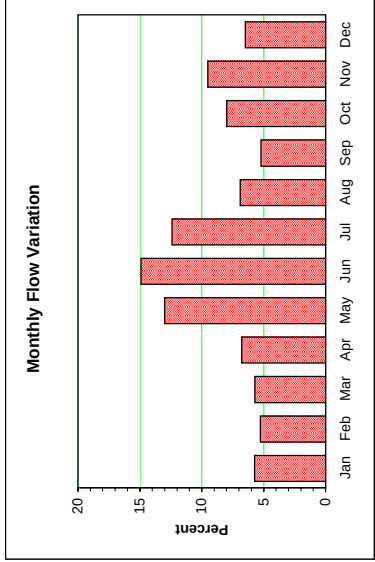
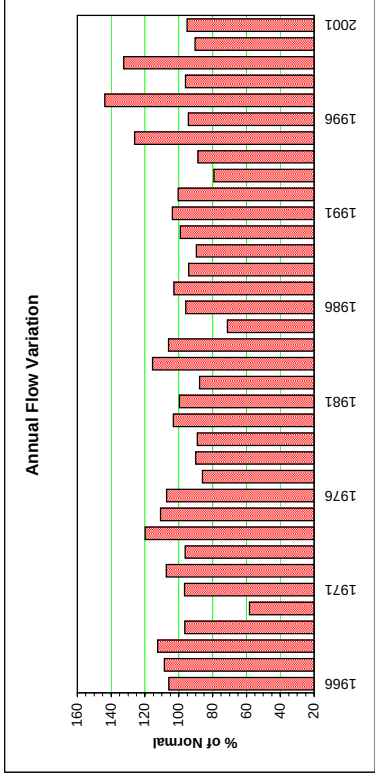
Location: 49°42'44"N, 123°32'06"W

Monthly and Annual Inflow in m³/s

Drainage Area = 380 km²

Median Elevation = 1120 m

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	% of Normal	Year
1966	17.6	12.2	26.9	33.1	50.4	68.2	60.3	29.2	21.5	41.9	37.1	68.8	39.1	106	1966
1967	22.9	15.9	11.3	6.8	55.8	106.2	61.7	29.2	21.2	83.0	33.7	32.3	40.2	109	1967
1968	53.5	35.1	37.4	13.9	52.7	66.8	65.1	26.6	28.6	60.6	37.4	20.7	41.6	113	1968
1969	8.4	4.4	13.3	35.8	82.4	94.6	44.9	21.9	45.6	29.5	26.5	19.7	35.7	96	1969
1970	7.1	12.1	8.0	14.6	34.4	66.0	30.1	10.1	17.8	21.0	24.0	13.1	21.5	58	1970
1971	23.6	30.4	11.4	17.7	65.4	69.9	77.1	44.1	35.3	20.2	27.2	6.1	35.7	97	1971
1972	7.4	13.9	55.9	30.5	70.7	79.6	84.2	33.8	21.6	10.3	29.0	38.1	39.7	107	1972
1973	29.2	16.2	16.8	16.8	60.5	67.1	55.3	27.2	16.2	49.9	32.8	36.6	35.6	96	1973
1974	29.1	15.6	31.0	34.5	57.7	91.9	93.0	57.7	32.0	15.4	38.9	33.3	44.3	120	1974
1975	11.5	8.7	20.9	15.8	55.0	76.1	69.2	43.9	21.0	61.6	65.2	40.2	41.0	111	1975
1976	23.0	6.7	14.9	23.2	66.9	70.0	79.5	60.7	36.9	23.3	31.9	36.6	39.6	107	1976
1977	18.1	26.6	14.4	33.9	39.9	58.4	30.1	27.9	30.6	36.0	39.6	27.1	31.8	86	1977
1978	19.9	21.0	28.5	25.1	46.7	73.8	46.6	32.4	53.5	19.7	24.4	7.8	33.3	90	1978
1979	4.5	15.3	33.4	23.5	56.6	53.5	41.9	18.2	44.2	31.7	15.8	55.3	33.0	89	1979
1980	12.8	40.2	18.6	32.1	53.0	59.5	44.7	21.6	33.8	16.5	62.2	64.4	38.2	103	1980
1981	34.0	33.0	14.4	36.7	50.7	57.1	42.4	19.6	31.9	40.9	48.7	33.3	36.8	100	1981
1982	13.2	27.4	13.5	21.3	48.8	53.3	37.8	23.6	25.3	75.0	21.7	27.6	32.4	88	1982
1983	37.5	50.7	32.9	22.7	54.0	71.4	82.9	33.0	19.2	29.4	70.2	10.4	42.8	116	1983
1984	39.5	28.1	25.8	21.7	37.5	70.1	62.2	30.9	25.7	83.1	33.1	12.3	39.3	106	1984
1985	11.6	8.2	8.0	34.4	52.6	62.6	36.8	15.5	11.9	46.0	17.4	9.7	26.3	71	1985
1986	35.6	35.2	40.5	19.2	77.1	71.6	40.6	21.8	13.2	15.6	25.0	29.3	35.4	96	1986
1987	43.0	28.9	50.3	32.2	74.8	82.9	45.6	17.1	11.8	8.4	31.5	29.4	38.1	103	1987
1988	13.7	18.2	20.0	41.1	68.7	66.6	56.0	23.9	17.1	23.3	48.3	20.8	34.8	94	1988
1989	21.2	12.6	15.8	39.0	48.5	65.8	37.4	19.5	8.6	41.0	58.7	28.9	33.1	90	1989
1990	19.0	15.7	19.8	39.1	46.3	64.8	38.7	16.4	12.3	44.6	103.3	20.0	36.6	99	1990
1991	18.2	71.3	10.8	28.9	49.5	59.4	50.9	83.5	18.9	6.1	37.8	28.1	38.4	104	1991
1992	56.5	39.9	27.7	55.6	49.6	55.2	30.8	16.3	18.4	49.4	35.3	11.8	37.1	100	1992
1993	14.1	14.7	24.7	37.4	80.7	54.4	29.8	18.5	8.1	14.6	15.8	37.7	29.3	79	1993
1994	37.9	20.0	49.2	40.2	49.4	52.2	43.5	15.2	12.2	18.3	17.0	37.1	32.8	89	1994
1995	32.9	42.9	49.2	25.1	62.0	60.5	46.0	27.2	13.7	51.1	119.6	47.4	46.6	126	1995
1996	35.3	35.5	23.5	52.1	38.5	49.0	48.2	19.3	25.4	41.7	36.9	14.4	34.9	94	1996
1997	40.5	17.4	32.9	44.0	87.4	91.4	64.6	32.0	59.7	82.4	58.0	25.6	53.2	144	1997
1998	33.0	31.6	25.3	20.4	64.4	63.1	47.0	13.7	7.5	28.6	49.7	41.2	35.5	96	1998
1999	27.9	21.7	24.9	29.1	47.4	92.4	107.6	70.1	23.9	26.0	85.5	30.7	49.1	133	1999
2000	12.3	14.6	15.8	29.7	54.4	88.9	65.3	25.7	22.4	41.6	15.7	14.2	33.4	90	2000
2001	20.3	8.5	16.0	25.7	47.3	53.7	42.1	53.7	23.3	30.4	72.9	27.2	35.2	95	2001
Avg.	24.6	23.6	24.1	29.2	56.6	69.1	53.9	30.0	24.2	36.6	42.4	28.8	37.0	m³/s	
S. D.	25.2	25.4	25.1	30.8	57.2	67.7	54.5	30.3	23.7	35.1	43.2	28.5	37.3	m³/s	
Normal	178	163	177	210	403	462	384	214	162	247	295	201	3100	mm	



COQUIHALLA RIVER ABOVE ALEXANDER CREEK 08MF068

Location: 49°22'10"N, 121°23'20"W

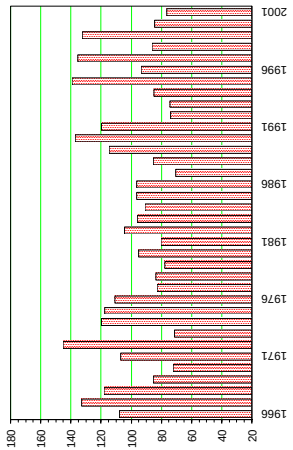
Drainage Area = 720 km² Median Elevation = 1250 m

Monthly and Annual Discharge in m³/s

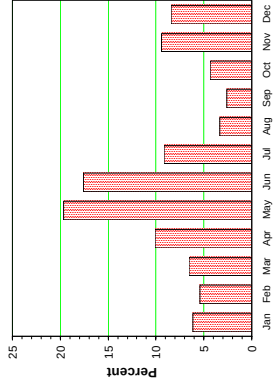
7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Year
1966	13	10	22	46	73	63	33	10	6.1	28	28	59	32.7	Dec 18	280	5.7	1966
1967	29	28	14	26	90	120	31	10	6.4	48	36	44	40.3	Oct 31	710	5.4	1967
1968	56	41	35	25	67	73	32	13	18	24	24	22	35.8	Jan 20	290	10	1968
1969	11	12	17	34	94	44	15	9.1	12	24	22	15	25.9	May 07	230	8.8	1969
1970	13	16	16	21	13	68	10	5.4	9.0	13	20	12	21.9	May 25	190	4.7	1970
1971	19	40	14	29	93	75	46	11	14	22	22	13	32.5	May 12	190	7.3	1971
1972	10	17	53	37	130	130	71	19	10	11	12	26	44.1	May 30	280	9.0	1972
1973	16	10	13	22	62	45	19	6.7	4.9	21	18	22	21.7	May 17	160	3.9	1973
1974	37	16	20	38	72	120	60	18	7.8	5.8	14	22	36.4	Jun 14	220	5.9	1974
1975	19	10	13	20	76	94	43	12	6.8	18	44	71	35.7	Dec 03	430	5.2	1975
1976	28	19	13	28	80	79	58	30	18	8.3	14	28	33.7	Jun 16	190	10	1976
1977	27	23	17	41	42	40	13	6.9	6.4	12	36	38	25.1	Jan 18	350	4.8	1977
1978	12	15	30	36	54	65	20	8.9	16	12	28	10	25.4	Nov 07	490	7.5	1978
1979	5.7	9.2	31	30	65	44	14	23.6	5.1	5.8	4.8	61	23.6	Dec 18	350	3.9	1979
1980	12	14	17	43	59	47	19	8.9	13	10	33	71	28.9	Dec 26	690	7.5	1980
1981	15	24	16	24	73	95	42	15	17	22	17	22	31.7	Jun 12	160	9.9	1981
1982	27	22	25	31	58	41	41	10	11	13	53	17	29.2	Jul 12	190	6.5	1982
1983													28				1983
1984													29				1984
1985																	1985
1986	18.4	16.2	26.6	46.0	66.9	32.6	18.1	6.27	5.14	3.96	6.36	9.30	21.3	May 12	202	4.37	1986
1987													29				1987
1988	15.4	16.0	15.7	56.6	73.8	60.1	17.5	12.9	8.28	17.4	81	43.2	34.8	Nov 11	500	5.89	1988
1989	21.5	20.7	24.5	60.1	60.7	71.5	31.3	9.7	6.51	39.8	120	36.6	41.7	Nov 10	620	5.07	1989
1990	24.2	54.8	20.3	47.9	83.2	79.9	49.1	15.9	8.91	6.8	22.4	24.9	36.3	Jun 11	171	7.41	1990
1991	26.6	31.7	31.2	34.9	41.2	24.6	11.1	6.26	10.7	15.0	22.2	13.9	22.4	Apr 30	150	4.57	1991
1992	11.7	12.2	20.4	36.6	80.7	34.8	19.4	12.4	6.14	7.74	9.43	18.1	22.6	May 12	225	4.71	1992
1993	25.3	11.8	33.6	52.9	55.7	37.6	18.6	7.79	5.82	8.89	12.2	37.7	25.8	Nov 30	130	4.92	1993
1994	33.6	37.9	20.0	27.7	76.2	55.6	15.8	13.2	6.34	35.2	13.9	47.8	42.2	Nov 29	750	5.15	1994
1995	32.3	27.8	17.2	37.1	48.5	58.1	33.6	10.0	11.2	20.0	32.4	12.9	28.4	Nov 08	138	7.13	1995
1996	27	29	51	50.0	100	79.0	39.2	10.0	11.6	33.2	35.7	26.6	41.1	May 15	203	7.47	1996
1997	25.4	16.1	24.4	31.5	72.1	43.6	15.5	6.12	5.08	6.76	32.6	34.1	26.2	May 02	160	4.77	1997
1998	37.5	17.8	18.2	33.4	65.9	98.5	72.4	22.5	12.6	20.7	46.0	36.3	40.3	Nov 12	286	7.71	1998
1999						75.6	30.1	10.6	15.2	16.7	13.5	9.34	26			7.71	1999
2000																8.27	2000
2001	14.0	9.11	14.6	27.5	59.6	43.6	15.7	6.72	6.02	22.2	37.9	20.7	23.2	Nov 15	199	4.93	2001
Avg.	22.1	20.9	22.7	35.7	71.1	65.7	30.7	11.3	9.74	17.7	33.4	29.8	30.3		304	6.42	m³/s
S. D.													6.76		183	1.91	m³/s
Normal	21.9	21.3	23.5	37.2	70.4	65.0	32.6	11.9	9.75	15.7	34.7	30.1	30.4				m³/s
Normal	82	72	87	134	262	234	121	44	35	58	125	112	1330	10-Year	527	4.38	m³/s

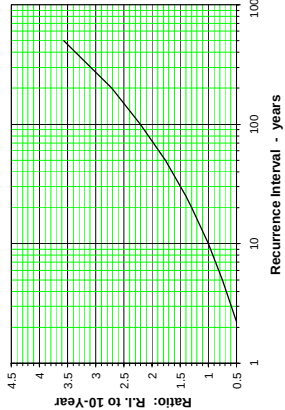
Annual Flow Variation



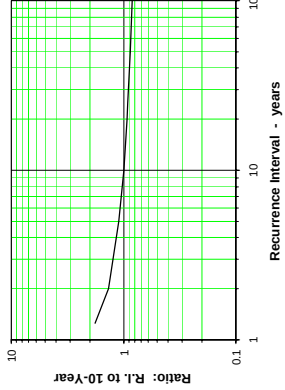
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



DAISY LAKE INFLOW

(Monthly Reservoir Data provided by BC Hydro is preliminary and subject to revision)

Location: 49°58'41"N, 123°08'25"W

Monthly and Annual Inflow in m³/s

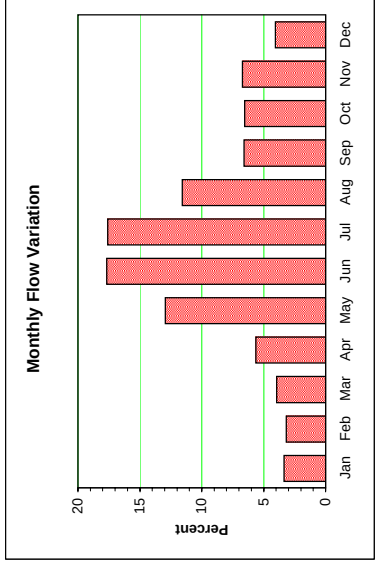
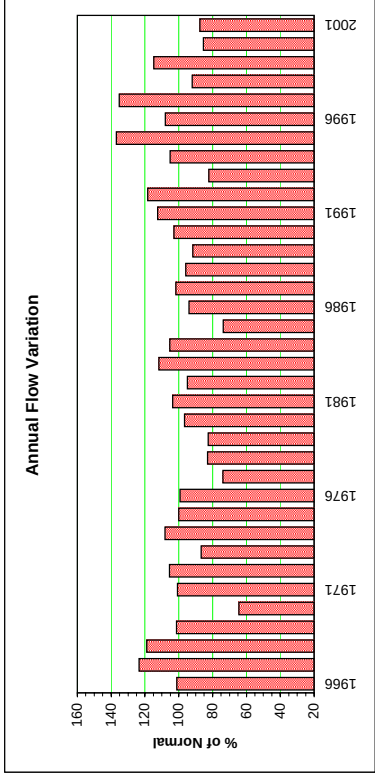
Drainage Area = 737 km²

Median Elevation = 1400 m

% of Normal

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Year
1966	11.6	8.21	17.8	41.6	70.5	110	106	68.8	48.1	47.9	30.0	51.8	51.4	101
1967	15.0	13.6	9.63	12.7	70.8	199	123	77.9	56.6	95.4	51.8	24.6	62.7	123
1968	57.8	29.7	41.9	16.7	76.2	127	144	66.3	46.2	61.2	41.1	15.0	60.4	119
1969	7.65	6.26	9.91	32.5	110.8	172	83.9	51.1	58.7	38.8	27.4	16.8	51.4	101
1970	6.54	10.9	10.1	15.7	50.4	114	70.0	44.5	27.1	15.6	17.2	9.43	32.7	64
1971	16.0	25.5	11.7	21.8	90.2	109	137	89.1	49.3	32.2	21.0	8.41	51.1	101
1972	6.37	10.0	47.9	28.7	99.0	132	143	78.7	34.8	17.0	18.0	24.9	53.6	105
1973	19.5	9.26	13.8	19.4	78.7	98.3	99.0	63.3	30.3	48.6	22.9	22.7	44.1	87
1974	29.9	11.0	21.9	36.2	65.9	133	137	102	53.1	20.3	21.3	24.1	54.9	108
1975	9.23	6.48	11.1	18.0	59.7	113	121	60.3	33.7	47.0	93.8	34.0	50.8	100
1976	17.1	11.8	10.4	22.6	77.1	93.2	131	90.8	65.6	26.6	28.2	27.6	50.4	99
1977	17.7	21.9	14.7	29.8	41.1	80.3	57.4	68.0	38.5	28.8	33.2	18.5	37.5	74
1978	7.65	10.3	27.6	28.4	51.4	106	88.6	63.4	58.8	30.0	25.4	7.50	42.2	83
1979	4.53	7.08	24.4	25.2	71.9	75.3	73.6	57.5	64.4	39.5	16.6	40.9	42.0	83
1980	11.6	23.2	20.5	43.5	73.0	87.1	78.3	49.0	36.8	25.7	61.6	77.9	49.1	97
1981	44.4	31.9	15.8	32.2	69.7	74.0	86.0	68.9	40.9	66.4	76.1	23.9	52.6	104
1982	10.0	16.2	12.1	17.2	60.9	154	88.7	55.7	43.3	74.2	23.0	21.1	48.2	95
1983	28.5	39.0	30.5	32.7	86.5	121	124	74.0	38.1	30.9	62.7	12.3	56.7	112
1984	37.9	22.8	24.2	22.1	36.7	117	133	78.9	43.7	92.6	21.3	9.80	53.5	105
1985	8.58	8.10	9.06	39.0	79.3	91.5	79.9	51.8	19.9	37.0	15.6	6.80	37.4	74
1986	22.6	28.1	45.2	25.3	80.5	117	94.9	68.0	30.4	20.0	21.9	17.2	47.7	94
1987	35.5	21.5	47.3	39.1	94.0	123	106	52.3	34.8	16.2	24.7	23.7	51.7	102
1988	10.5	13.4	18.2	42.1	99.3	102	97.9	64.2	37.1	31.5	48.6	18.1	48.7	96
1989	15.3	11.4	13.6	39.3	78.1	114	78.8	54.3	29.2	34.8	54.8	33.3	46.5	92
1990	17.4	12.6	15.2	47.4	63.9	92.3	90.5	65.0	38.5	48.9	111	22.3	52.2	103
1991	15.7	68.4	13.9	36.2	71.6	96.6	118	133	58.1	21.7	30.4	23.0	57.1	113
1992	35.7	35.8	39.8	63.8	95.2	152	91.3	58.7	29.5	69.7	32.3	13.5	60.1	118
1993	9.20	13.1	24.0	35.7	106	94.1	60.3	54.9	32.0	23.5	14.9	30.4	41.7	82
1994	29.6	13.8	47.6	54.8	99.6	102	135	53.6	35.2	21.3	15.1	28.5	53.3	105
1995	19.7	46.5	30.9	33.6	107	147	138	54.1	33.8	43.9	134	47.4	69.6	137
1996	32.0	31.4	27.6	61.3	63.1	88.3	128	81.6	43.0	46.5	38.7	15.8	54.8	108
1997	32.3	24.4	35.5	61.3	115	139	112	69.4	66.4	89.6	53.1	23.1	68.7	135
1998	25.0	25.7	23.1	24.5	89.7	108	93.7	48.5	31.2	23.7	36.2	30.2	46.7	92
1999	19.3	15.6	17.6	30.5	60.9	118	149	114	43.9	25.8	73.0	28.6	58.3	115
2000	14.6	11.9	14.2	34.9	63.9	108	99.8	61.5	33.2	44.2	21.0	12.6	43.4	86
2001	17.3	9.52	16.4	27.0	60.0	79.2	79.5	86.6	41.7	28.0	66.7	19.0	44.4	87

Avg.	20.1	19.6	22.6	33.1	76.9	114	105	68.9	41.8	40.7	41.2	24.0	50.8	m³/s
S. D.	20.2	20.9	23.6	34.9	77.6	109.5	105.6	69.5	40.9	39.3	41.7	24.3	50.8	m³/s
Normal	74	69	86	123	282	385	384	252	144	143	147	88	2180	mm



ELAHO RIVER NEAR THE MOUTH 08GA071

Location: 50°07'10"N, 123°26'10"W

Monthly and Annual Discharge in m³/s

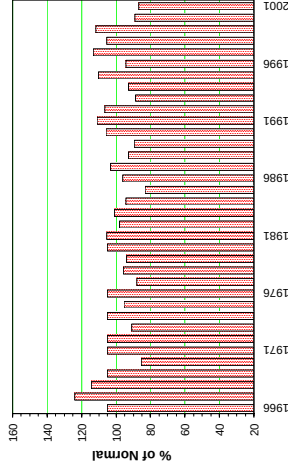
Drainage Area = 1210 km²

Median Elevation = 1540 m

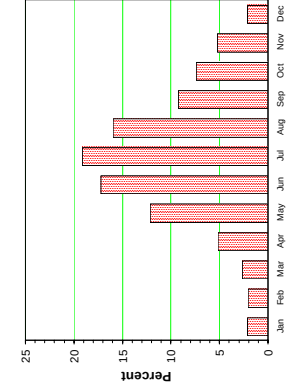
Instantaneous Peak Flow 7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966													110					1966
1967													130					1967
1968													120					1968
1969													110					1969
1970													89					1970
1971													110					1971
1972													110					1972
1973													95					1973
1974													110					1974
1975													100					1975
1976													110					1976
1977													92					1977
1978													100					1978
1979													99					1979
1980													110					1980
1981	26	37	23.0	59.9	149	155	250	230	132	107	126	25.9	111	Nov 01	1130	60.6	18.6	1981
1982	16.9	18.0	18.6	28.9	122	286	228	185	154	119	29.6	21.9	103	Oct 24	599	89.1	9.72	1982
1983	31.3	36.2	37.3	59.8	173	220	240	199	104	80.4	69.2	14.2	106	Jul 12	686	67.1	11.0	1983
1984	58.1	30.9	37.8	40.5	76.7	208	229	190	118	158	23.0	10.1	98.9	Oct 08	1060	48.0	8.74	1984
1985	14.3	11.4	12.8	63.6	146	204	232	180	68.2	72.8	22.5	10.6	87.1	Oct 16	602	46.5	8.39	1985
1986	21.8	26.8	53.2	43.4	173	251	224	210	95.0	57.0	28.9	20.3	101	May 25	759	48.1	9.89	1986
1987	30.1	30.1	56.6	67.9	164	262	245	165	128	59.1	62.1	24.2	108	Jun 12	719	88.5	9.11	1987
1988	11.7	17.5	27.6	74.9	141	186	214	189	117	90.3	68.8	24.7	97.1	Nov 01	503	45.2	8.31	1988
1989	17.4	11.7	12.9	65.4	127	212	168	172	106	87.7	92.3	47.8	93.7	Nov 09	856	75.5	6.01	1989
1990	23.1	13.1	23.3	83.2	120	196	238	203	132	122	144	25.9	111	Nov 11	1100	115	11.7	1990
1991	18.9	68.3	20.8	62.3	155	219	265	324	123	56.7	52.3	26.1	116	Aug 30	1240	91.6	11.6	1991
1992	37.7	41.6	56.9	104	156	261	220	175	90.4	133	47.3	15.9	112	Oct 23	911	32.9	11.8	1992
1993	13.6	17.9	32.1	64.0	238	183	157	177	108	59.7	26.4	33.6	93.1	May 12	509	40.7	9.37	1993
1994	32.4	15.3	51.2	93.5	159	166	246	164	126	55.6	29.4	29.4	97.3	Jul 01	448	103	13.1	1994
1995	23.5	51.2	34.4	59.1	176	210	242	145	119	108	164	51.2	116	Nov 38	751	86.5	15.0	1995
1996	48.5	38.0	41.7	89.8	89.6	170	241	184	103	100	67.3	15.6	99.0	Oct 04	657	46.5	11.2	1996
1997	22.3	20.1	28.9	67.9	180	244	243	191	159	151	81.2	30.8	119	Sep 30	709	95.5	13.9	1997
1998	27.9	28.9	39.7	51.1	186	245	273	180	126	69.9	56.3	34.9	110	Jul 16	476	87.6	15.6	1998
1999	23.5	18.4	22.4	58.2	117	268	313	280	117	48.8	98.8	34.5	117	Aug 25	730	65.1	13.9	1999
2000	17.9	12.3	17.2	61.1	131	226	234	178	112	80.6	31.3	14.7	93.3	Jul 28	536	74.8	11.2	2000
2001	17.8	12.1	21.1	45.3	113	158	205	216	124	55.5	99.8	21.5	91.2	Nov 15	618	91.7	10.2	2001
AVG.	25.3	26.5	31.9	64.0	147	216	234	197	117	89.1	67.4	25.4	105		744	71.4	11.3	m³/s
S. D.																		m³/s
Normal	25.7	27.3	32.4	64.9	149	219	235	196	117	90.8	65.8	25.6	104		230	23.5	2.91	
Normal	57	55	72	139	330	468	520	434	250	201	141	57	2720	10-Year	1050	42.8	7.91	m³/s

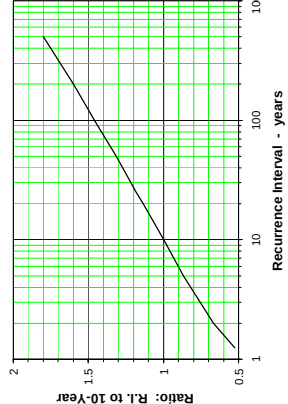
Annual Flow Variation



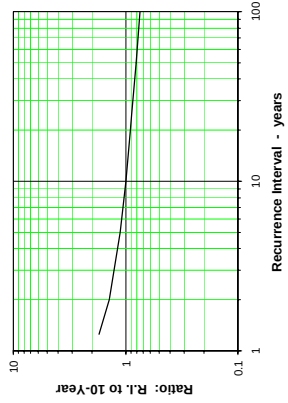
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



HARRISON RIVER NEAR HARRISON HOT SPRINGS 08MG013

Location: 49°18'40"N, 121°48'08"W

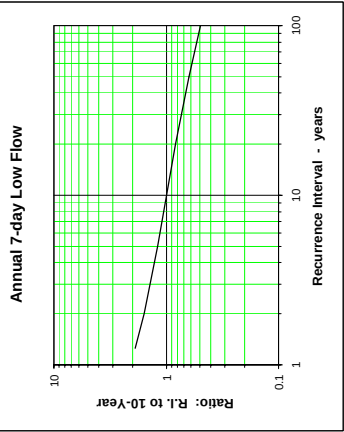
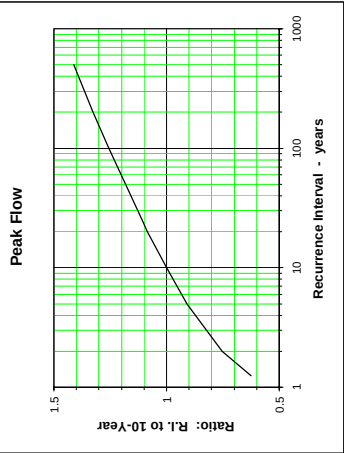
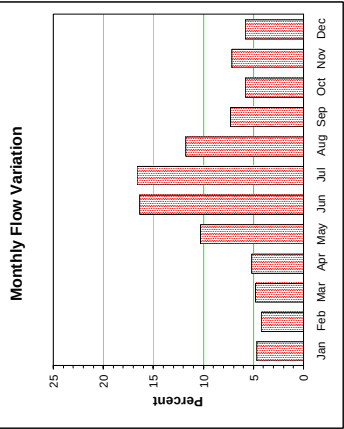
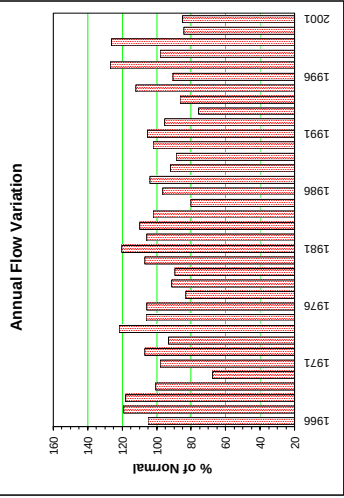
Monthly and Annual Discharge in m³/s 7870 km²

Median Elevation = 1350 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year		
1966	202	143	154	419	544	813	974	654	395	337	351	600	468	Jul 18	1100	1966		
1967	311	271	162	150	392	1420	1110	655	425	584	537	305	530	Jun 24	2000	1967		
1968	502	410	438	236	451	873	1160	624	425	329	508	343	526	Jul 13	1500	1968		
1969	170	116	108	337	794	1410	732	463	412	372	246	212	449	Jun 15	1800	1969		
1970	149	151	122	189	304	862	672	430	272	151	145	159	301	Jun 24	1000	1970		
1971	139	291	179	198	651	937	963	797	406	264	238	158	436	Jul 24	1300	1971		
1972	146	158	451	366	543	1180	1130	689	386	211	200	247	477	Jun 12	1400	1972		
1973	300	181	191	181	538	839	844	579	300	278	364	371	416	Jun 30	1100	1973		
1974	387	294	275	364	557	1120	1230	934	520	252	247	308	542	Jun 24	1600	1974		
1975	209	135	161	166	447	936	1030	548	389	449	762	419	473	Jul 13	1500	1975		
1976	281	218	167	232	564	724	1130	951	583	297	238	259	472	Jul 10	1200	1976		
1977	239	222	224	236	397	675	562	632	358	206	359	324	370	Jun 20	830	1977		
1978	158	150	203	292	419	880	871	618	530	299	285	158	406	Jun 11	1100	1978		
1979	86.6	118	264	225	533	678	656	555	570	343	273	468	399	Dec 20	895	1979		
1980	259	200	298	338	693	832	735	546	371	315	482	640	477	Dec 28	1500	1980		
1981	590	407	257	279	519	804	795	677	425	442	779	442	535	Jan 01	1200	1981		
1982	215	315	262	211	461	1180	969	580	410	376	385	295	472	Jun 23	1600	1982		
1983	303	368	382	269	567	1080	942	615	382	186	576	201	489	Jun 03	1400	1983		
1984	314	263	261	237	278	829	1010	628	401	619	366	239	455	Jun 30	1400	1984		
1985	131	112	110	297	460	981	704	522	289	276	291	105	357	Jun 05	1100	1985		
1986	207	256	395	311	435	1120	813	569	353	176	277	236	429	Jun 08	1400	1986		
1987	381	276	425	339	779	961	903	497	353	194	167	263	463	Jul 06	1200	1987		
1988	135	155	187	340	621	834	772	550	367	290	421	240	410	Jun 23	1000	1988		
1989	196	158	157	282	575	881	570	495	319	471	471	351	395	Jun 15	1100	1989		
1990	212	214	178	322	417	738	823	543	335	353	891	423	455	Nov 14	1580	1990		
1991	202	509	220	248	515	732	1000	802	648	232	262	274	470	Sep 01	1400	1991		
1992	268	420	284	346	676	852	708	470	254	305	328	189	425	Jun 30	1000	1992		
1993	112	148	176	263	727	770	461	469	324	189	149	248	337	May 23	1200	1993		
1994	244	199	357	349	602	625	765	473	289	213	187	296	385	Jul 03	860	1994		
1995	236	380	307	250	616	929	798	492	297	362	715	616	500	Nov 30	1230	1995		
1996	352	254	237	353	364	671	790	552	374	339	338	222	404	Jul 18	890	1996		
1997	273	233	304	378	746	1170	1300	565	480	691	380	200	400	Jun 20	1400	1997		
1998	285	295	235	223	683	956	750	520	321	222	325	248	437	Jun 13	1120	1998		
1999	298	281	257	256	399	1050	1360	1090	476	241	605	407	562	Jul 21	1700	1999		
2000	213	145	144	243	483	757	859	615	327	286	258	162	375	Jul 01	1000	2000		
2001	179	137	127	188	445	663	673	651	406	244	486	333	379	Aug 25	831	2001		
Avg.	247	238	241	275	533	910	877	613	395	311	386	309	446		1270	307	139	m³/s
S. D.	246	245	252	280	542	891	875	620	395	306	388	306	446		284	64.5	37.5	m³/s
Normal	84	76	86	92	185	293	298	211	130	104	128	104	1790	10-Year	1650	227	89.5	m³/s



HARRISON RIVER MINUS LILLOOET RIVER (08MG013 - 08MG005)

Location: 49°18'40"N, 121°48'08"W

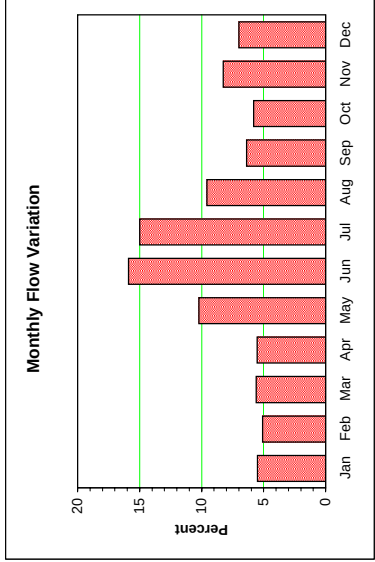
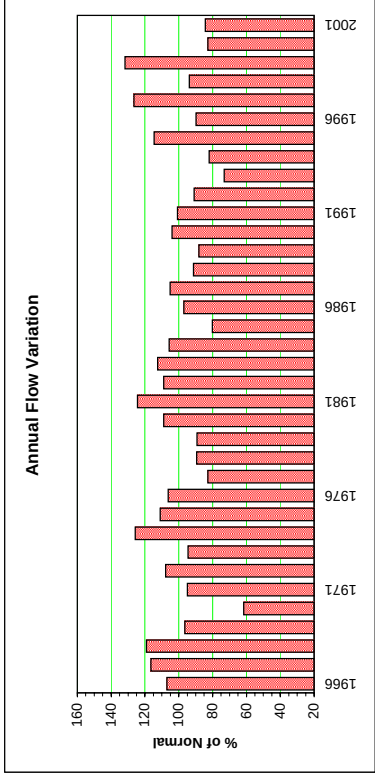
Monthly and Annual Inflow in m³/s

Drainage Area = 5710 km²

Median Elevation = 1270 m

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	% of Normal	Year
1966	171	122	124	341	405	590	659	400	237	234	300	553	346	107	1966
1967	279	241	132	114	262	977	775	378	241	430	442	249	377	117	1967
1968	415	360	375	189	297	574	801	406	289	230	409	275	385	119	1968
1969	136	87.8	80.0	275	533	944	465	279	271	300	193	173	312	96	1969
1970	120	118	87	151	199	551	425	207	185	101	114	136	200	62	1970
1971	112	251	154	140	463	691	639	470	259	180	198	126	307	95	1971
1972	123	140	397	311	359	859	788	420	271	156	170	185	349	108	1972
1973	263	158	159	140	395	617	571	354	163	197	309	333	306	95	1973
1974	339	256	241	300	440	817	897	606	315	174	210	273	407	126	1974
1975	189	117	141	127	337	678	696	356	266	378	627	381	359	111	1975
1976	250	187	137	191	428	517	779	637	378	215	184	208	344	106	1976
1977	205	184	190	175	305	459	334	336	256	156	318	296	268	83	1977
1978	139	131	166	232	312	606	533	366	391	212	244	139	290	90	1978
1979	69.9	101	235	176	397	489	391	289	365	249	242	444	289	89	1979
1980	239	177	266	265	530	583	462	321	216	232	404	524	352	109	1980
1981	509	355	219	224	353	623	478	383	276	368	635	405	402	124	1981
1982	190	289	233	170	343	831	676	373	243	271	339	269	352	109	1982
1983	270	324	334	205	379	784	642	374	272	120	509	164	364	113	1983
1984	269	227	223	196	208	597	729	392	276	437	333	211	342	106	1984
1985	107	89.7	87.1	239	324	752	431	300	209	222	265	85.1	259	80	1985
1986	184	234	346	264	278	807	536	309	231	117	246	214	314	97	1986
1987	347	248	371	275	612	664	584	287	201	126	120	236	340	105	1987
1988	116	137	153	265	474	609	501	307	222	197	359	208	296	91	1988
1989	175	139	132	215	426	611	361	277	185	193	402	303	285	88	1989
1990	181	193	150	245	296	528	550	314	182	268	755	375	337	104	1990
1991	157	440	187	187	353	469	648	390	486	157	213	238	326	101	1991
1992	227	376	223	248	495	507	424	294	161	180	273	158	294	91	1992
1993	92.4	128	143	219	503	559	272	257	190	128	121	219	236	73	1993
1994	216	174	310	257	414	417	442	250	130	148	154	265	266	82	1994
1995	212	342	268	192	416	619	481	327	158	282	599	555	371	115	1995
1996	300	210	189	250	261	475	513	340	255	224	261	204	290	90	1996
1997	155	178	266	310	552	848	955	327	307	533	306	155	409	126	1997
1998	246	257	192	170	460	627	414	285	171	153	285	380	304	94	1998
1999	270	251	225	195	281	762	339	734	339	188	527	360	427	132	1999
2000	183	121	116	185	358	507	576	389	203	214	218	135	268	83	2000
2001	157	118	101	140	335	474	406	402	254	191	396	293	273	84	2001

Avg.	211	207	204	216	383	640	578	364	252	227	324	270	323	m³/s
S. D.	211	214	215	219	392	630	576	368	253	222	328	268	325	m³/s
Normal	99	91	101	99	184	286	270	173	115	104	149	126	1800	mm



MANQUAM RIVER ABOVE MASHITER CREEK 08GA054

Location: 49°43'44"N, 123°06'20"W

Year	Monthly and Annual Discharge in m³/s												Drainage Area = 323 km²				Median Elevation = 1180 m				Instantaneous Peak Flow				7-Day Low Flow																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year	Year	Annual	Date	Annual	Jun-Sep	Annual	Year	Year	Annual	Date	Annual																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
1966	19.4	15.9	15.1	10.7	39.0	73.1	43.4	27.5	18.6	29.2	28.5	52.5	28	Dec 13	243			1966	1967	30.0	286	12.1	8.47	1967	1968	31.5	283	10.0	8.75	1968	1969	28.7	228	11.7	7.91	1969	1970	16.2	110	16.2	2.43	2.43	1970	1971	27.5	143	11.7	7.23	1971	1972	31.8	297	12.2	5.52	1972	1973	24.8	251	11.0	6.29	1973	1974	29.8	257	11.0	6.29	1974	1975	28.8	326	10.9	5.74	1975	1976	22.1	149	18.8	6.88	1976	1977	21.2	202	7.73	1977	1978	21.1	190	12.5	5.06	1978	1979	20.9	186	9.22	4.05	1979	1980	54.4	369	10.6	6.46	1980	1981	26.0	28	24	26.0	1981	1982	25.1	21	21	25.1	1982	1983	9.1	21	21	9.1	1983	1984	30.9	131	11.7	7.40	1984	1985	9.1	21	21	9.1	1985	1986	22.4	157	7.42	6.70	1986	1987	27.0	157	7.42	6.70	1987	1988	25.1	300	4.9	4.8	1988	1989	23.0	260	15	9.1	1989	1990	23.0	260	19	7.4	1990	1991	23.0	260	12	6.1	1991	1992	23.0	264	10.7	6.31	1992	1993	23.0	264	10.7	6.31	1993	1994	23.0	264	10.7	6.31	1994	1995	23.0	264	10.7	6.31	1995	1996	23.0	264	10.7	6.31	1996	1997	23.0	264	10.7	6.31	1997	1998	23.0	264	10.7	6.31	1998	1999	23.0	264	10.7	6.31	1999	2000	23.0	264	10.7	6.31	2000	2001	23.0	264	10.7	6.31	2001	2002	23.0	264	10.7	6.31	2002	2003	23.0	264	10.7	6.31	2003	2004	23.0	264	10.7	6.31	2004	2005	23.0	264	10.7	6.31	2005	2006	23.0	264	10.7	6.31	2006	2007	23.0	264	10.7	6.31	2007	2008	23.0	264	10.7	6.31	2008	2009	23.0	264	10.7	6.31	2009	2010	23.0	264	10.7	6.31	2010	2011	23.0	264	10.7	6.31	2011	2012	23.0	264	10.7	6.31	2012	2013	23.0	264	10.7	6.31	2013	2014	23.0	264	10.7	6.31	2014	2015	23.0	264	10.7	6.31	2015	2016	23.0	264	10.7	6.31	2016	2017	23.0	264	10.7	6.31	2017	2018	23.0	264	10.7	6.31	2018	2019	23.0	264	10.7	6.31	2019	2020	23.0	264	10.7	6.31	2020	2021	23.0	264	10.7	6.31	2021	2022	23.0	264	10.7	6.31	2022	2023	23.0	264	10.7	6.31	2023	2024	23.0	264	10.7	6.31	2024	2025	23.0	264	10.7	6.31	2025	2026	23.0	264	10.7	6.31	2026	2027	23.0	264	10.7	6.31	2027	2028	23.0	264	10.7	6.31	2028	2029	23.0	264	10.7	6.31	2029	2030	23.0	264	10.7	6.31	2030	2031	23.0	264	10.7	6.31	2031	2032	23.0	264	10.7	6.31	2032	2033	23.0	264	10.7	6.31	2033	2034	23.0	264	10.7	6.31	2034	2035	23.0	264	10.7	6.31	2035	2036	23.0	264	10.7	6.31	2036	2037	23.0	264	10.7	6.31	2037	2038	23.0	264	10.7	6.31	2038	2039	23.0	264	10.7	6.31	2039	2040	23.0	264	10.7	6.31	2040	2041	23.0	264	10.7	6.31	2041	2042	23.0	264	10.7	6.31	2042	2043	23.0	264	10.7	6.31	2043	2044	23.0	264	10.7	6.31	2044	2045	23.0	264	10.7	6.31	2045	2046	23.0	264	10.7	6.31	2046	2047	23.0	264	10.7	6.31	2047	2048	23.0	264	10.7	6.31	2048	2049	23.0	264	10.7	6.31	2049	2050	23.0	264	10.7	6.31	2050	2051	23.0	264	10.7	6.31	2051	2052	23.0	264	10.7	6.31	2052	2053	23.0	264	10.7	6.31	2053	2054	23.0	264	10.7	6.31	2054	2055	23.0	264	10.7	6.31	2055	2056	23.0	264	10.7	6.31	2056	2057	23.0	264	10.7	6.31	2057	2058	23.0	264	10.7	6.31	2058	2059	23.0	264	10.7	6.31	2059	2060	23.0	264	10.7	6.31	2060	2061	23.0	264	10.7	6.31	2061	2062	23.0	264	10.7	6.31	2062	2063	23.0	264	10.7	6.31	2063	2064	23.0	264	10.7	6.31	2064	2065	23.0	264	10.7	6.31	2065	2066	23.0	264	10.7	6.31	2066	2067	23.0	264	10.7	6.31	2067	2068	23.0	264	10.7	6.31	2068	2069	23.0	264	10.7	6.31	2069	2070	23.0	264	10.7	6.31	2070	2071	23.0	264	10.7	6.31	2071	2072	23.0	264	10.7	6.31	2072	2073	23.0	264	10.7	6.31	2073	2074	23.0	264	10.7	6.31	2074	2075	23.0	264	10.7	6.31	2075	2076	23.0	264	10.7	6.31	2076	2077	23.0	264	10.7	6.31	2077	2078	23.0	264	10.7	6.31	2078	2079	23.0	264	10.7	6.31	2079	2080	23.0	264	10.7	6.31	2080	2081	23.0	264	10.7	6.31	2081	2082	23.0	264	10.7	6.31	2082	2083	23.0	264	10.7	6.31	2083	2084	23.0	264	10.7	6.31	2084	2085	23.0	264	10.7	6.31	2085	2086	23.0	264	10.7	6.31	2086	2087	23.0	264	10.7	6.31	2087	2088	23.0	264	10.7	6.31	2088	2089	23.0	264	10.7	6.31	2089	2090	23.0	264	10.7	6.31	2090	2091	23.0	264	10.7	6.31	2091	2092	23.0	264	10.7	6.31	2092	2093	23.0	264	10.7	6.31	2093	2094	23.0	264	10.7	6.31	2094	2095	23.0	264	10.7	6.31	2095	2096	23.0	264	10.7	6.31	2096	2097	23.0	264	10.7	6.31	2097	2098	23.0	264	10.7	6.31	2098	2099	23.0	264	10.7	6.31	2099	2100	23.0	264	10.7	6.31	2100	2101	23.0	264	10.7	6.31	2101	2102	23.0	264	10.7	6.31	2102	2103	23.0	264	10.7	6.31	2103	2104	23.0	264	10.7	6.31	2104	2105	23.0	264	10.7	6.31	2105	2106	23.0	264	10.7	6.31	2106	2107	23.0	264	10.7	6.31	2107	2108	23.0	264	10.7	6.31	2108	2109	23.0	264	10.7	6.31	2109	2110	23.0	264	10.7	6.31	2110	2111	23.0	264	10.7	6.31	2111	2112	23.0	264	10.7	6.31	2112	2113	23.0	264	10.7	6.31	2113	2114	23.0	264	10.7	6.31	2114	2115	23.0	264	10.7	6.31	2115	2116	23.0	264	10.7	6.31	2116	2117	23.0	264	10.7	6.31	2117	2118	23.0	264	10.7	6.31	2118	2119	23.0	264	10.7	6.31	2119	2120	23.0	264	10.7	6.31	2120	2121	23.0	264	10.7	6.31	2121	2122	23.0	264	10.7	6.31	2122	2123	23.0	264	10.7	6.31	2123	2124	23.0	264	10.7	6.31	2124	2125	23.0	264	10.7	6.31	2125	2126	23.0	264	10.7	6.31	2126	2127	23.0	264	10.7	6.31	2127	2128	23.0	264	10.7	6.31	2128	2129	23.0	264	10.7	6.31	2129	2130	23.0	264	10.7	6.31	2130	2131	23.0	264	10.7	6.31	2131	2132	23.0	264	10.7	6.31	2132	2133	23.0	264	10.7	6.31	2133	2134	23.0	264	10.7	6.31	2134	2135	23.0	264	10.7	6.31	2135	2136	23.0	264	10.7	6.31	2136	2137	23.0	264	10.7	6.31	2137	2138	23.0	264	10.7	6.31	2138	2139	23.0	264	10.7	6.31	2139	2140	23.0	264	10.7	6.31	2140	2141	23.0	264	10.7	6.31	2141	2142	23.0	264	10.7	6.31	2142	2143	23.0	264	10.7	6.31	2143	2144	23.0	264	10.7	6.31	2144	2145	23.0	264	10.7	6.31	2145	2146	23.0	264	10.7	6.31	2146	2147	23.0	264	10.7	6.31	2147	2148	23.0	264	10.7	6.31	2148	2149	23.0	264	10.7	6.31	2149	2150	23.0	264	10.7	6.31	2150	2151	23.0	264	10.7	6.31	2151	2152	23.0	264	10.7	6.31	2152	2153	23.0	264	10.7	6.31	2153	2154	23.0	264	10.7	6.31	2154	2155	23.0	264	10.7	6.31	2155	2156	23.0	264	10.7	6.31	2156	2157	23.0	264	10.7	6.31	2157	2158	23.0	264	10.7	6.31	2158	2159	23.0	264	10.7	6.31	2159	2160	23.0	264	10.7	6.31	2160	2161	23.0	264	10.7	6.31	2161	2162	23.0	264	10.7	6.31	2162	2163	23.0	264	10.7	6.31	2163	2164	23.0	264	10.7	6.31	2164	2165	23.0	264	10.7	6.31	2165	2166	23.0	264	10.7	6.31	2166	2167	23.0	264	10.7	6.31	2167	2168	23.0	264	10.7	6.31	2168	2169	23.0	264	10.7	6.31	2169	2170	23.0	264	10.7	6.31	2170	2171	23.0	264	10.7	6.31	2171	2

MASHITER CREEK NEAR SQUAMISH 08GA057

Location: 49°44'26"N, 123°06'18"W

Drainage Area = 40.0 km²

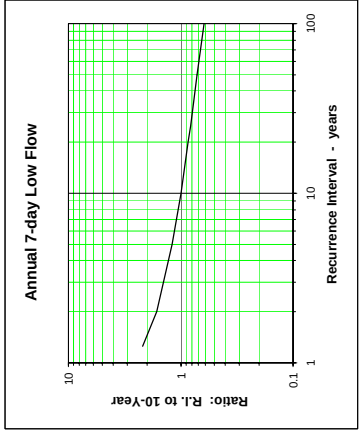
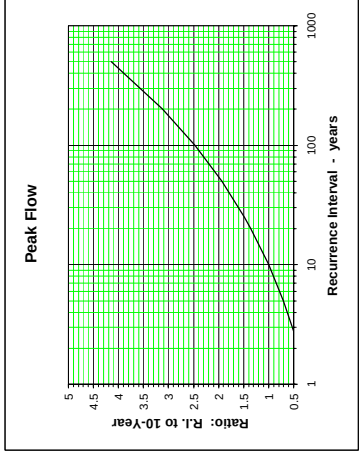
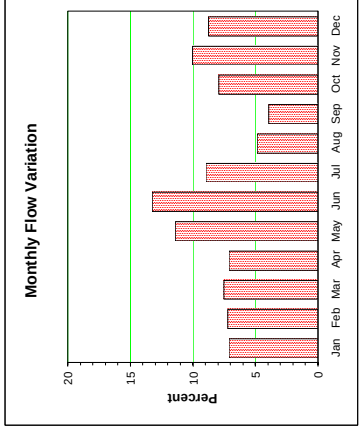
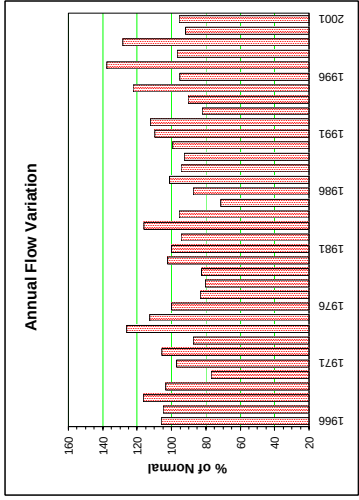
Median Elevation = 1150 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year
1966	3.1	2.10	1.73	1.18	3.22	6.55	2.50	1.14	1.08	5.26	2.85	3.30	2.9	Oct 31	31.7	1966
1967	4.46	2.94	3.62	1.65	3.29	4.70	3.68	1.58	1.81	3.90	3.7	2.5	2.84	Jan 20	0.968	1967
1968	1.6	1.6	1.8	2.7	5.6	5.8	2.7	1.4	2.7	2.8	2.5	2.4	3.15		1.35	1968
1969	1.89	1.88	1.59	2.42	3.42	4.49	1.56	0.75	1.28	1.43	2.54	1.84	2.80			1969
1970	2.47	2.94	1.80	1.97	4.72	4.01	3.76	1.66	1.76	2.21	2.87	1.53	2.09	Jun 02	0.629	1970
1971	1.22	1.64	5.12	1.91	4.12	5.10	3.90	1.43	1.78	1.17	2.71	4.15	2.62	Feb 14	17.8	1971
1972	2.50	1.61	1.73	1.55	3.19	4.21	2.92	0.58	0.58	3.02	2.19	4.19	2.86	Dec 19	0.877	1972
1973	2.74	2.36	3.52	2.44	4.05	7.39	6.05	3.02	1.45	1.16	3.36	3.32	2.36	Oct 28	0.371	1973
1974	1.36	1.00	2.12	1.51	3.94	4.96	3.76	2.19	1.10	4.97	5.87	3.69	3.41	Nov 24	50.7	1974
1975	2.2	1.7	1.5	2.0	4.2	4.3	4.4	2.9	2.0	2.1	2.4	2.7	3.05	Nov 03	121	1975
1976	1.9	2.5	1.6	2.4	2.7	3.6	1.5	2.3	1.3	2.7	3.2	2.6	2.71			1976
1977	1.6	2.1	2.7	2.0	2.9	4.2	2.2	1.6	2.4	1.32	2.04	1.23	2.26			1977
1978	0.774	1.61	2.37	1.91	3.37	3.61	1.67	0.74	1.64	2.31	1.44	5.31	2.17	Nov 07	31.1	1978
1979	1.44	3.45	1.82	2.78	3.10	3.44	2.31	1.00	1.62	1.42	4.51	6.44	2.24	Dec 18	27.6	1979
1980	2.9	2.9	1.8	2.7	3.5	3.8	2.2	1.2	1.7	3.3	3.8	2.9	2.77	Dec 26	99.4	1980
1981	1.5	2.5	1.7	1.7	3.5	6.2	2.9	1.2	1.0	3.9	2.0	2.6	2.71			1981
1982	3.5	5.4	3.1	2.1	4.0	4.5	3.6	1.6	1.3	2.1	5.5	1.4	2.56			1982
1983	3.0	2.4	2.4	1.8	2.8	4.1	3.1	1.5	1.3	4.1	2.9	1.6	3.14			1983
1984	1.4	1.3	1.3	2.5	3.3	3.7	1.9	1.0	0.79	3.0	1.7	1.3	2.58			1984
1985	2.6	2.6	3.6	1.8	3.6	3.9	2.1	1.4	0.83	1.6	2.1	2.3	1.93			1985
1986	3.4	2.6	3.9	2.5	4.4	5.2	2.3	1.0	0.79	1.4	2.8	2.6	2.37			1986
1987	1.7	2.0	2.1	3.0	4.4	4.3	2.8	1.3	1.0	2.3	3.8	2.1	2.74			1987
1988	2.2	1.6	1.8	2.9	3.4	4.3	1.9	1.1	0.65	3.3	4.4	2.6	2.55			1988
1989	1.4	1.2	1.6	3.2	2.9	4.4	2.4	1.6	1.3	2.9	6.8	2.5	2.51			1989
1990	2.3	7.1	2.4	2.3	4.1	3.7	2.8	3.3	1.1	1.3	3.1	2.6	2.68			1990
1991	5.6	3.1	2.9	4.8	3.8	3.3	2.1	1.3	1.2	3.8	3.0	1.6	2.97			1991
1992													3.04			1992
1993													2.2			1993
1994													2.4			1994
1995													3.3			1995
1996													2.6			1996
1997													3.7			1997
1998													2.6			1998
1999													3.5			1999
2000													2.5			2000
2001													2.6			2001

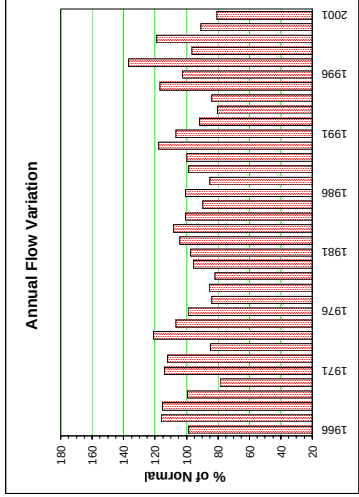
Avg.	2.34	2.46	2.36	2.29	3.67	4.52	2.81	1.50	1.36	2.65	3.23	2.74	2.71		43.7	0.871	0.756	m ³ /s
S. D.													0.403		34.7	0.287	0.273	m ³ /s
Normal	2.26	2.52	2.39	2.34	3.63	4.36	2.84	1.55	1.30	2.52	3.29	2.78	2.70					m ³ /s
Normal	151	154	160	152	243	283	190	104	84	169	213	186	2130					mm
																		10-Year



N.F. NOOKSACK R BLW CASCADE CR NR GLACIER, WASH USGS 12205000

Location: 48°54'22"N, 121°50'35"W

Year	Monthly and Annual Discharge in m³/s												Drainage Area = 272 km²				Median Elevation = ? m				Instantaneous Peak Flow				7-Day Low Flow							
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year	Year	Annual	Date	Annual	Jun-Sep	Annual	Year	Year	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	9.97	6.99	12.6	20.7	31.3	37.6	40.7	22.9	14.3	16.8	15.4	35.9	22.2	Dec 13	138	13.2	5.67	1966	1967	13.2	Dec 13	138	13.2	5.67	1966	1967	13.2	Dec 13	138	13.2	5.67	1966
1967	13.2	10.8	9.23	7.67	29.0	68.2	46.8	27.3	20.4	38.5	22.2	19.5	26.1	Oct 31	148	15.6	5.66	1967	1968	15.6	Oct 31	148	15.6	5.66	1967	1968	15.6	Oct 31	148	15.6	5.66	1967
1968	31.9	21.5	20.1	9.85	28.1	49.7	44.8	24.4	24.8	18.5	23.5	14.1	25.9	Jun 02	227	16.2	7.37	1968	1969	16.2	Jun 02	227	16.2	7.37	1968	1969	16.2	Jun 02	227	16.2	7.37	1968
1969	11.2	6.20	7.62	19.0	44.6	56.4	29.5	18.2	28.2	14.6	16.4	14.2	22.4	Sep 23	144	13.1	4.52	1969	1970	13.1	Sep 23	144	13.1	4.52	1969	1970	13.1	Sep 23	144	13.1	4.52	1969
1970	11.6	12.2	8.95	10.5	21.0	45.6	32.4	19.7	12.4	11.9	15.1	11.5	17.8	Jun 03	136	6.63	6.63	1970	1971	6.63	Jun 03	136	6.63	6.63	1970	1971	6.63	Jun 03	136	6.63	6.63	1970
1971	16.8	24.4	9.94	13.1	41.9	48.2	58.6	35.1	16.7	15.3	18.6	9.12	25.7	Jan 30	159	10.3	5.54	1971	1972	10.3	Jan 30	159	10.3	5.54	1971	1972	10.3	Jan 30	159	10.3	5.54	1971
1972	9.20	13.6	30.0	16.5	42.6	52.6	47.2	26.4	16.7	10.4	14.2	22.4	25.2	Jul 12	159	11.4	5.14	1972	1973	11.4	Jul 12	159	11.4	5.14	1972	1973	11.4	Jul 12	159	11.4	5.14	1972
1973	12.6	7.31	7.93	8.61	31.0	37.9	29.7	18.6	13.7	17.1	21.0	22.7	19.1	May 24	122	10.5	5.35	1973	1974	10.5	May 24	122	10.5	5.35	1973	1974	10.5	May 24	122	10.5	5.35	1973
1974	24.3	17.8	8.81	17.1	29.9	64.2	59.8	39.2	20.8	9.46	18.5	16.3	27.2	Jan 16	138	14.0	5.46	1974	1975	14.0	Jan 16	138	14.0	5.46	1974	1975	14.0	Jan 16	138	14.0	5.46	1974
1975	11.7	7.84	8.89	7.16	27.1	45.6	51.4	25.7	15.2	24.6	27.7	33.9	22.0	Dec 03	219	11.6	4.99	1975	1976	11.6	Dec 03	219	11.6	4.99	1975	1976	11.6	Dec 03	219	11.6	4.99	1975
1976	19.1	10.2	6.20	12.8	35.4	37.8	49.9	36.5	24.5	11.8	10.6	12.1	22.3	Jun 08	131	20.1	4.15	1976	1977	20.1	Jun 08	131	20.1	4.15	1976	1977	20.1	Jun 08	131	20.1	4.15	1976
1977	11.3	9.74	7.70	17.3	21.0	38.5	22.1	25.3	14.0	11.9	22.4	25.4	18.9	Nov 01	169	9.22	5.66	1977	1978	9.22	Nov 01	169	9.22	5.66	1977	1978	9.22	Nov 01	169	9.22	5.66	1977
1978	12.4	9.68	14.0	12.5	22.1	39.2	32.5	23.7	31.8	11.7	15.5	6.57	19.3	Nov 07	142	17.5	5.64	1978	1979	17.5	Nov 07	142	17.5	5.64	1978	1979	17.5	Nov 07	142	17.5	5.64	1978
1979	41.6	7.05	15.5	12.0	29.3	31.5	26.6	17.8	19.1	15.3	8.21	33.3	18.4	Dec 17	198	11.6	3.05	1979	1980	11.6	Dec 17	198	11.6	3.05	1979	1980	11.6	Dec 17	198	11.6	3.05	1979
1980	8.95	18.5	12.6	23.3	30.8	28.7	27.2	18.3	16.7	11.7	27.9	33.9	21.5	Dec 26	241	12.5	5.36	1980	1981	12.5	Dec 26	241	12.5	5.36	1980	1981	12.5	Dec 26	241	12.5	5.36	1980
1981	16.7	19.0	8.52	17.7	28.0	34.2	29.3	22.2	16.0	23.6	25.2	22.1	21.9	Oct 07	122	12.1	6.67	1981	1982	12.1	Oct 07	122	12.1	6.67	1981	1982	12.1	Oct 07	122	12.1	6.67	1981
1982	10.8	20.2	11.0	12.1	29.1	54.7	43.4	25.9	16.5	23.4	15.9	18.1	23.4	Dec 03	175	12.7	6.08	1982	1983	12.7	Dec 03	175	12.7	6.08	1982	1983	12.7	Dec 03	175	12.7	6.08	1982
1983	15.9	20.4	17.8	13.6	35.0	44.6	47.8	23.7	15.5	10.2	38.5	10.3	24.4	Jul 12	195	9.81	5.28	1983	1984	9.81	Jul 12	195	9.81	5.28	1983	1984	9.81	Jul 12	195	9.81	5.28	1983
1984	31.6	15.9	13.6	11.8	24.4	44.0	38.6	24.1	16.7	22.2	19.9	8.95	22.7	Jan 04	275	8.80	6.01	1984	1985	8.80	Jan 04	275	8.80	6.01	1984	1985	8.80	Jan 04	275	8.80	6.01	1984
1985	8.33	6.26	5.75	20.6	33.1	48.2	35.2	17.8	11.0	28.2	20.4	6.80	20.2	Oct 27	218	6.99	4.79	1985	1986	6.99	Oct 27	218	6.99	4.79	1985	1986	6.99	Oct 27	218	6.99	4.79	1985
1986	22.0	19.8	22.1	15.9	32.4	43.6	30.2	23.7	13.3	15.0	21.2	12.6	22.7	Nov 23	168	8.25	5.86	1986	1987	8.25	Nov 23	168	8.25	5.86	1986	1987	8.25	Nov 23	168	8.25	5.86	1986
1987	15.7	12.3	19.8	20.4	42.8	36.4	25.4	16.2	12.9	5.95	8.47	13.3	19.2	May 12	171	9.14	3.73	1987	1988	9.14	May 12	171	9.14	3.73	1987	1988	9.14	May 12	171	9.14	3.73	1987
1988	8.04	8.81	12.0	25.6	38.5	43.0	36.1	19.8	14.2	21.5	24.3	14.1	22.2	Nov 05	217	8.38	4.57	1988	1989	8.38	Nov 05	217	8.38	4.57	1988	1989	8.38	Nov 05	217	8.38	4.57	1988
1989	10.6	8.38	11.7	22.9	30.8	48.4	27.9	19.2	10.0	13.6	42.2	26.1	22.5	Nov 10	317	7.93	6.02	1989	1990	7.93	Nov 10	317	7.93	6.02	1989	1990	7.93	Nov 10	317	7.93	6.02	1989
1990	13.0	9.74	11.2	26.3	28.7	48.2	37.7	21.2	13.7	28.3	60.7	18.7	26.5	Nov 10	270	11.6	7.24	1990	1991	11.6	Nov 10	270	11.6	7.24	1990	1991	11.6	Nov 10	270	11.6	7.24	1990
1991	13.8	39.7	10.5	16.7	28.4	37.9	47.3	34.3	19.1	9.9	18.6	14.0	24.1	Feb 04	174	14.9	6.27	1991	1992	14.9	Feb 04	174	14.9	6.27	1991	1992	14.9	Feb 04	174	14.9	6.27	1991
1992	19.2	19.1	13.2	26.1	31.3	34.3	30.4	20.9	14.8	14.9	15.5	8.42	20.6	Apr 29	185	8.42	6.64	1992	1993	8.42	Apr 29	185	8.42	6.64	1992	1993	8.42	Apr 29	185	8.42	6.64	1992
1993	8.07	8.52	12.6	13.2	46.2	38.0	23.7	19.0	10.1	10.9	7.28	18.1	18.1	Oct 23	148	6.42	4.51	1993	1994	6.42	Oct 23	148	6.42	4.51	1993	1994	6.42	Oct 23	148	6.42	4.51	1993
1994	15.9	8.81	20.9	21.5	31.2	30.7	29.9	14.6	12.0	9.00	9.34	22.1	18.9	Dec 20	160	10.3	5.21	1994	1995	10.3	Dec 20	160	10.3	5.21	1994	1995	10.3	Dec 20	160	10.3	5.21	1994
1995	12.9	31.3	17.4	11.9	32.3	44.7	38.7	15.8	11.1	25.2	44.8	30.6	26.3	Nov 29	249	7.14	6.51	1995	1996	7.14	Nov 29	249	7.14	6.51	1995	1996	7.14	Nov 29	249	7.14	6.51	1995
1996	22.4	23.6	15.0	22.8	23.2	32.3	35.2	19.2	15.5	23.7	26.3	18.5	23.1	Oct 04	127	9.80	7.83	1996	1997	9.80	Oct 04	127	9.80	7.83	1996	1997	9.80	Oct 04	127	9.80	7.83	1996
1997	32.9	15.8	23.6	23.9	50.8	54.3	46.4	26.6	26.4	33.6	20.2	14.3	30.9	Mar 19	193	15.2	7.85	1997	1998	15.2	Mar 19	193	15.2	7.85	1997	1998	15.2	Mar 19	193	15.2	7.85	1997
1998	19.3	15.4	14.4	12.7	33.5	39.4	37.7	19.6	13.1	11.9	20.3	22.9	21.7	Dec 13	174	11.1	6.57	1998	1999	11.1	Dec 13	174	11.1	6.57	1998	1999	11.1	Dec 13	174	11.1	6.57	1998
1999	15.9	9.57	9.94	11.8	23.1	48.1	56.8	44.8	18.5	16.2	43.0	22.2	26.8	Nov 11	261	12.3	7.13	1999	2000	12.3	Nov 11	261	12.3	7.13	1999	2000	12.3	Nov 11	261	12.3	7.13	1999
2000	9.85	9.17	9.23	20.0	28.8	55.0	37.1	24.4	16.3	19.4	8.95	6.88	20.4	Oct 20	187	10.1	5.78	2000	2001	10.1	Oct 20	187	10.1	5.78	2000	2001	10.1	Oct 20	187	10.1	5.78	2000
2001	8.95	5.38	7.50	10.1	25.5	29.9	24.0	25.7	13.5	14.2	37.9	15.0	18.2	Nov 15	230	11.2	4.42	2001	2001	11.2	Nov 15	230	11.2	4.42	2001	2001	11.2	Nov 15	230	11.2	4.42	2001
Avg.	15.0	13.9	13.2	16.3	31.7	43.6	37.7	23.8	16.6	17.3	22.4	18.2	22.5		186	11.3	5.70			186		11.3	5.70				1					



NUSATSUM RIVER NEAR HAGENSBORG 08FB005

Location: 52°23'22"N, 126°27'37"W

Drainage Area = 275 km² Median Elevation = 1420 m

Monthly and Annual Discharge in m³/s

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year
1966	291	243	823	131	220	411	444	340	231	260	120	867	199	Oct 24	149	1966
1967	644	540	200	313	216	485	417	357	537	433	157	109	170	Oct 08	170	1967
1968	163	911	10	11	29	34	309	210	218	238	16	43	190	Jan 22	182	1968
1969	34	31	33	86	27	449	293	286	182	140	203	889	175	Aug 15	731	1969
1970	369	469	406	467	243	351	302	253	210	145	549	39	148	May 16	128	1970
1971	93	137	332	707	236	328	399	377	221	209	161	383	192	Nov 19	129	1971
1972	29	25	11	680	288	416	434	298	127	134	701	519	172	May 13	960	1972
1973	602	376	349	609	184	267	345	235	316	191	629	407	290	Sep 27	290	1973
1974	282	242	315	963	162	343	359	326	234	310	646	121	176	Oct 15	120	1974
1975	672	477	325	519	159	387	455	293	138	936	189	116	166	Nov 03	124	1975
1976	114	572	382	686	200	336	427	35	25	26	28	23	210			1976
1977	125	855	486	924	192	346	362	366	132	153	866	279	169	Jan 17	151	1977
1978	259	265	420	761	145	399	387	338	148	213	209	443	172	Nov 07	206	1978
1979	271	212	659	801	208	320	322	259	167	103	341	550	139	Oct 01	110	1979
1980	400	279	270	590	185	299	240	205	277	171	161	285	165	Sep 05	197	1980
1981	984	994	382	581	189	205	330	275	178	106	141	474	144	Sep 30	156	1981
1982	251	268	260	369	172	439	294	214	315	163	723	447	153	Sep 08	197	1982
1983	490	442	375	637	234	278	244	192	168	117	741	260	128	May 29	821	1983
1984	112	658	526	482	900	273	359	284	214	228	818	605	156	Sep 16	180	1984
1985	681	437	366	817	201	282	353	213	119	157	612	396	139	Oct 15	177	1985
1986	688	575	778	928	194	383	331	280	147	112	924	535	158	May 26	731	1986
1987	906	733	680	764	198	373	353	220	221	175	157	603	173	Oct 29	139	1987
1988	431	604	588	930	191	251	285	264	248	203	992	126	160	Sep 29	318	1988
1989	593	428	358	877	277	382	33	22	14	23	353	193	197	Nov 09	200	1989
1990	840	338	450	935	217	318	323	265	153	126	135	895	158	Nov 12	116	1990
1991	496	122	413	751	205	338	337	304	175	160	188	836	173	Oct 09	127	1991
1992	112	978	806	113	171	350	285	215	197	211	113	773	169	Oct 23	195	1992
1993	321	476	559	545	288	253	228	212	130	127	144	698	137	Nov 02	136	1993
1994	742	331	843	138	237	285	341	268	268	150	670	601	165	Sep 30	135	1994
1995	318	582	377	644	249	304	313	193	153	129	129	706	145	Nov 25	569	1995
1996	168	572	829										18			1996
1997													18			1997
1998													14			1998
1999													18			1999
2000													14			2000
2001													14			2001

Avg. 6.79
S. D. 6.83
Normal 67

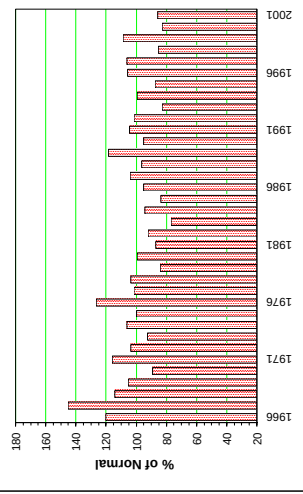
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12.0
4.65
6.96

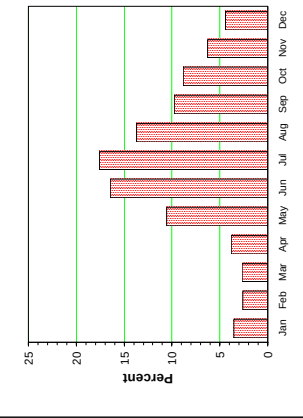
2.79
0.709
1.97

m³/s
m³/s
m³/s

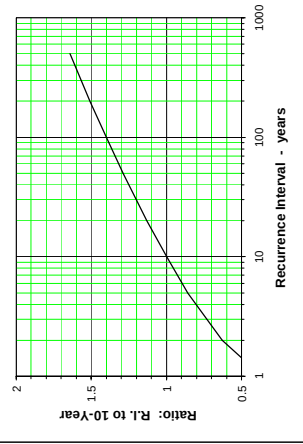
Annual Flow Variation



Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



SALLOOMT RIVER NEAR HAGENSBOG 08FB004

Location: 52°25'27"N, 126°31'10"W

Monthly and Annual Discharge in m^3/s

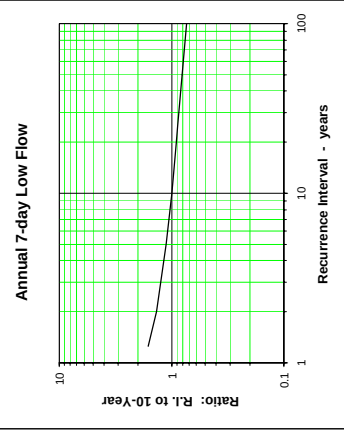
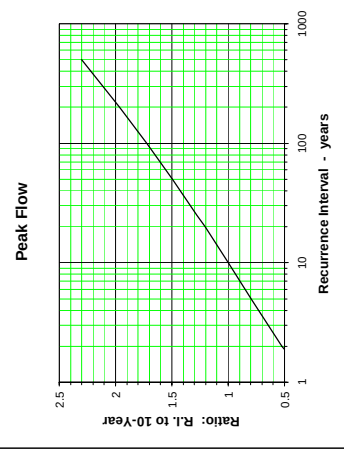
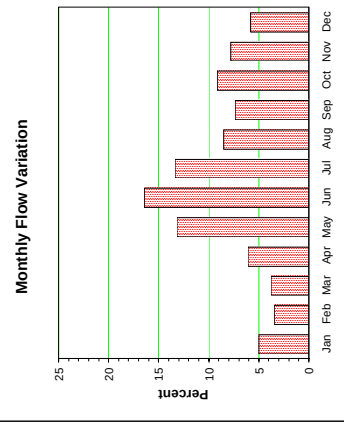
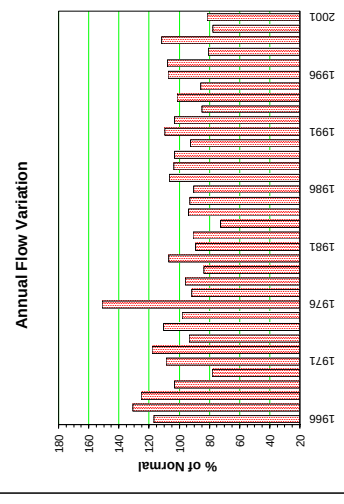
Drainage Area = 158 km²

Median Elevation =

60 m

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual
1966	2.33	2.00	4.96	8.96	14.2	20.8	17.8	10.9	9.35	15.2	8.63	5.61	10.1	Oct 24	75.6	5.64	1.76
1967	4.10	4.81	2.68	3.58	16.0	30.4	18.8	12.5	11.9	17.9	7.95	4.97	11.3	Oct 30	91.5	5.82	2.07
1968	13.9	6.01	8.45	8.96	19.6	18.1	15.8	6.81	8.86	13.9	6.67	2.78	10.8	Jan 23	142	4.79	1.60
1969	2.5	2.2	2.8	7.23	17.2	22.6	8.82	10.2	6.99	12.0	5.72	5.72	8.93	Jun 03	38.9	6.19	
1970	2.31	2.93	2.54	3.57	13.3	18.6	11.0	8.56	7.88	4.73	2.92	2.5	6.75	May 16	53.2	4.05	
1971	6.9	7.15	2.09	5.18	13.2	16.7	14.4	10.2	11.1	11.1	11.7	3.29	9.41	Nov 19	74.2	4.77	1971
1972	3.3	2.2	8.5	5.62	20.1	25.3	22.7	10.6	5.25	7.95	6.16	4.44	10.2	May 13	43.6	3.35	1972
1973	3.73	1.57	2.92	13.5	8.67	12.8	8.67	12.8	8.67	12.8	4.03	2.70	8.08	Sep 27	98.0	4.14	1.02
1974	1.80	1.68	2.39	7.93	10.9	18.7	15.9	8.35	18.7	18.7	6.00	6.00	9.55	Oct 15	65.4	5.95	1.61
1975	4.28	2.89	3.82	3.21	15.5	20.4	17.9	10.3	5.36	11.7	11.7	6.34	8.50	Nov 03	65.1	4.90	1.72
1976	8.11	4.97	3.81	6.69	11.7	21.8	23.9	19.7	12.8	11.6	11.8	15.5	13.1	Dec 15	89	10.2	2.90
1977	8.23	5.64	3.69	6.92	9.57	14.2	12.0	11.4	5.47	9.27	6.48	2.80	7.93	Jan 17	68.5	4.45	1.92
1978	2.02	2.41	3.49	6.10	10.6	18.3	11.5	9.05	5.50	12.7	13.9	3.83	8.30	Nov 07	111	4.28	1.92
1979	2.42	1.84	5.50	6.75	13.2	17.3	13.4	8.05	5.26	5.16	2.25	5.47	7.25	Oct 01	60.9	4.26	1.69
1980	3.48	2.36	2.57	5.76	14.1	13.8	8.8	6.63	17.4	7.76	7.64	20.4	9.24	Dec 16	241	5.33	2.02
1981	7.18	4.93	3.25	4.75	13.5	12.3	13.0	7.34	5.90	6.67	10.3	3.35	10.2	Sep 30	102	2.96	2.89
1982	2.21	2.06	1.77	2.67	13.6	23	12	7.2	14.9	7.2	4.52	2.50	7.85	Sep 08	85.0	4.97	1.67
1983	3.85	2.84	2.63	4.86	12.4	12.9	8.62	5.43	7.76	7.22	4.78	1.94	6.28	Oct 25	42.5	4.15	1.78
1984	7.18	5.13	4.52	3.99	7.19	14.5	14.1	9.37	10.7	11.3	5.23	3.99	8.11	Sep 17	73.7	5.01	2.44
1985	4.61	4.26	3.31	6.87	14.5	18.1	15.8	4.26	3.80	11.2	3.88	2.61	8.03	Oct 15	130	2.85	2.25
1986	4.97	3.97	6.14	7.14	11.6	19.5	13.1	8.33	4.95	9.45	5.90	3.53	7.81	Apr 19	34.3	2.82	2.34
1987	7.45	5.93	6.56	6.56	13.4	19.0	15.5	7.01	6.66	9.45	11.0	3.85	9.24	Oct 29	110	4.63	2.51
1988	3.13	4.08	4.52	7.79	13.4	15.0	12.8	9.85	9.32	7.07	7.07	8.96	8.96	Sep 29	170	3.35	2.04
1989	5.24	2.59	1.85	6.95	14.6	15.8	9.39	5.83	3.47	6.92	21.3	13.0	8.93	Nov 09	173	2.77	1.76
1990	7.06	2.76	4.19	8.56	14.9	17.0	11.7	7.10	3.9	3.2	8.9	6.65	8.02	Nov 09	173	3.77	2.25
1991	3.79	7.75	2.85	5.68	13.0	19.5	14.7	9.64	5.96	9.06	13.5	8.34	9.48	Oct 09	90.1	5.24	2.11
1992	7.62	6.47	6.51	7.94	10.6	18.4	9.65	5.23	8.17	13.6	8.97	6.19	8.94	Oct 23	136	3.78	3.25
1993	2.81	4.69	4.23	5.18	16.8	10.9	7.45	5.97	3.48	6.79	13.6	6.18	7.35	Nov 02	168	2.28	2.15
1994	7.42	2.85	6.87	11.1	14.7	14.3	12.4	6.34	8.29	6.10	5.65	6.04	7.43	Sep 30	71.2	4.29	2.32
1995	2.96	4.41	3.12	5.10	15.8	14.3	10.5	6.80	4.36	8.97	7.89	4.94	7.43	Nov 29	42.3	3.49	2.43
1996	12.9	4.48	5.26	10.5	9.58	17.1	14.5	8.77	7.49	9.71	8.00	3.11	9.29	Oct 27	92.7	4.45	2.27
1997	2.87	6.25	4.47	7.78	10.8	18.8	13.0	7.67	4.90	12.6	8.16	7.34	9.34	Oct 16	107	3.63	2.15
1998	4.31	2.26	2.71	4.15	16.1	12.8	8.12	5.4	5.04	12.2	4.97	5.33	6.99	Oct 05	74.2	3.36	1.74
1999	5.17	2.96	2.76	5.90	12.9	23.3	18.9	12.9	8.06	10.9	6.51	5.41	9.65	Aug 25	58.0	5.61	2.29
2000	3.52	1.95	2.11	5.27	9.94	15.9	10.4	7.51	1.3	6.5	3	1.5	6.71	May 21	33.6	4.69	
2001	3	2	2.4	4.62	9.86	15.0	12.2	7.11	5.65	7.62	11.9	2.93	7.04	Nov 09	33.3	4.12	2001
Avrg	4.96	3.76	3.85	6.27	13.6	17.8	13.6	8.73	7.79	9.56	8.19	5.55	8.65		89.9	4.45	2.10
S. D.													1.40		46.9	1.38	0.451
Normal	5.01	3.84	3.83	6.30	13.3	17.1	13.5	8.61	7.66	9.23	8.12	5.84	8.55	m³/s	152	3.00	1.53
Normal	85	59	65	103	225	281	229	146	126	157	133	99	1710	10-Year	300		m³/s



SLESSE CREEK NEAR VEDDER CROSSING 08MH056

Location: 49°04'16"N, 121°41'58"W

Monthly and Annual Discharge in m³/s

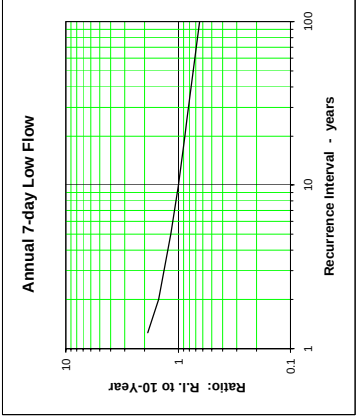
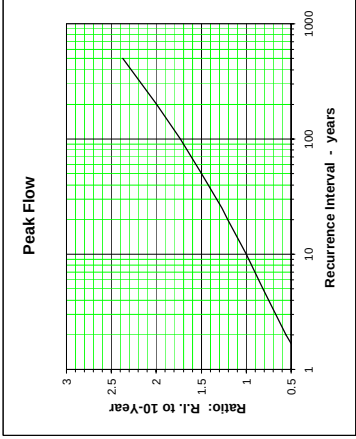
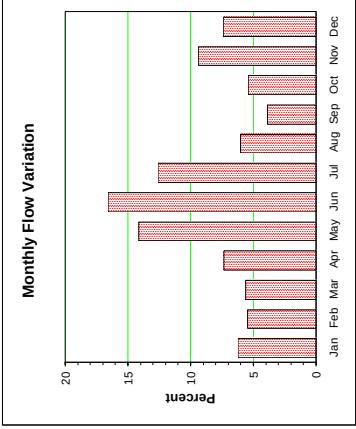
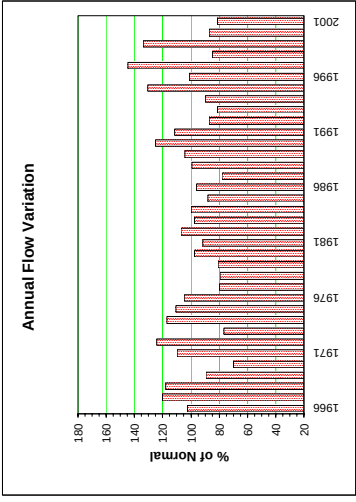
Drainage Area = 166 km²

Median Elevation = 1320 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	4.69	3.38	6.46	10.9	18.4	19.5	18.0	7.81	4.09	8.84	7.75	16.2	10.6	Oct 23	71.9	3.69	2.87	1966
1967	8.10	6.56	4.52	4.16	18.2	35.0	18.4	8.67	5.44	18.5	10.8	9.85	12.4	Oct 31	85.2	3.72	3.01	1967
1968	17.1	11.8	9.80	5.47	16.2	24.9	17.9	7.56	10.1	7.63	10.3	6.93	12.1	Jun 02	92.3	5.05	4.08	1968
1969	3.80	2.18	3.84	9.63	23.5	23.6	10.1	4.43	8.15	6.72	7.59	6.46	9.19	May 24	46.7	2.98	1.62	1969
1970	5.18	5.89	3.71	5.05	11.6	22.3	8.81	3.75	4.28	4.42	6.20	5.00	7.17	Jun 03	60.6	2.34	2.34	1970
1971	9.05	12.8	3.87	6.04	23.5	22.5	25.4	10.1	4.28	6.69	7.62	3.62	11.3	Jan 30	82.4	2.78	2.37	1971
1972	3.84	6.48	17.0	7.70	26.8	31.0	25.6	11.2	6.31	4.22	4.72	8.33	12.8	Jul 12	83.0	4.39	1.50	1972
1973	5.96	3.27	3.34	4.67	14.8	16.1	10.5	5.71	3.34	7.15	9.24	10.3	7.88	Oct 28	45.9	3.03	2.57	1973
1974	12.5	4.57	7.64	8.31	16.1	35.1	24.2	12.6	5.31	2.56	7.37	7.84	12.0	Jan 16	68.5	3.49	2.00	1974
1975	7.01	3.05	4.21	3.58	16.3	23.5	21.3	7.81	4.3	9.9	1.6	18.7	11.4	Dec 02	86.7			1975
1976	10.6	5.24	3.06	7.08	19.7	20.3	22.6	15.3	9.44	3.90	5.23	6.34	10.8	May 27	43.0	6.44	2.24	1976
1977	6.50	5.48	3.67	9.86	10.4	16.3	7.91	6.57	3.96	4.74	11.2	12.2	8.23	Nov 26	49.0	2.75	2.13	1977
1978	4.97	4.65	7.20	6.61	10.8	19.9	12.3	6.03	10.6	3.99	8.26	2.84	8.17	Nov 07	212	4.97	2.34	1978
1979	1.75	3.16	9.93	6.91	17.8	16.0	9.49	4.17	4.85	4.40	2.67	18.2	8.33	Dec 17	118	2.93	1.25	1979
1980	4.24	8.01	5.81	12.30	17.0	15.3	10.2	5.04	5.48	3.34	13.1	20.6	10.0	Dec 26	170	3.71	2.41	1980
1981	8.74	10.2	4.33	9.08	14.2	16.8	12.2	5.46	3.61	9.27	10.3	9.11	9.43	Oct 07	46.0	2.64	2.64	1981
1982	4.90	10.0	4.29	5.20	16.3	32.0	20.9	10.2	5.46	8.88	5.54	8.88	11.0	Dec 03	90.8	4.17	2.34	1982
1983	9.37	8.07	7.35	6.49	17.8	18.9	20.4	6.65	3.91	3.10	15.5	3.07	10.1	Jul 14	96.5	2.55	1.55	1983
1984	1.6	7.6	6.0	6.2	10	24	18.0	7.64	5.93	8.10	9.83	4.15	10.2			3.45		1984
1985	4.41	2.93	2.71	11.6	19.0	22.9	12.4	4.11	3.26	12.2	10.4	2.54	9.06	Oct 27	106	2.07	1.93	1985
1986	10.1	11.1	10.5	7.96	18.3	19.3	10.6	5.27	3.40	5.23	11.2	5.82	9.88	Feb 24	87	2.70	2.39	1986
1987	7.17	6.61	8.75	11.8	21.4	16.5	9.24	3.54	2.64	1.25	2.53	5.09	8.05	May 12	87.5	1.96	0.961	1987
1988	3.57	4.84	6.62	15.4	20.5	21.1	14.5	5.63	4.01	8.66	10.8	7.22	10.2	Oct 16	66	2.30	1.56	1988
1989	5.89	4.49	5.39	13.4	15.4	19.8	15.4	5.78	2.83	4.69	29	12.9	10.8	Nov 10	197	2.41	2.06	1989
1990	5.95	5.25	5.73	13.8	13.8	20.2	13.4	5.89	3.46	14.2	42	11.3	12.9	Nov 10	190	2.50	2.43	1990
1991	6.46	20.4	5.89	11.5	16.6	21.1	21.0	5.14	5.39	2.22	9.85	7.06	11.5	Feb 05	79.0	3.30	1.56	1991
1992	9.52	10.2	7.92	13.2	14.9	13.1	8.62	5.66	5.46	5.96	8.68	4.79	8.98	Apr 29	100	2.88	2.88	1992
1993	4.44	5.55	7.26	7.69	20.8	15.6	10.0	6.23	3.19	4.73	4.49	9.88	8.35	Dec 10	72.7	2.48	2.48	1993
1994	8.66	4.50	12.3	12.9	15.9	14.4	11.6	3.96	3.61	3.76	4.40	14.1	9.24	Dec 20	96.2	2.70	1.62	1994
1995	7.87	15.8	9.20	6.82	18.6	18.1	11.7	5.83	3.12	12.0	36.6	16.0	13.4	Nov 29	180	2.25	2.25	1995
1996	19.3	11.3	6.50	11.2	11.3	16.4	13.6	5.04	4.79	8.54	11.1	5.87	10.4	Jan 15	48	3.35	3.11	1996
1997	6.88	8.04	13.9	15.8	32.5	32.8	20.9	7.98	8.31	14.0	10.4	7.01	14.9	Mar 19	99.7	3.91	2.26	1997
1998	8.50	5.90	6.21	6.58	17.2	17.1	10.6	3.72	2.51	3.32	10.3	12.3	8.71	Dec 13	96.7	2.38	2.33	1998
1999	9.80	5.17	5.94	7.86	14.8	27.3	27.5	18.1	6.66	8.52	22.2	11.1	13.8	Nov 12	110	4.46	2.89	1999
2000	4.31	4.05	3.85	9.71	15.1	23.9	15.4	8.34	6.72	8.85	4.11	3.06	8.95	Oct 20	59.2	3.85	2.15	2000
2001	5.42	2.24	4.20	6.54	15.5	15.4	9.18	5.72	3.06	6.44	17.3	8.97	8.35	Nov 15	94.5	2.28	1.39	2001
Avg	7.57	6.97	6.64	8.86	17.2	21.3	15.1	7.19	5.04	6.96	11.5	8.99	10.3		94.8	3.22	2.22	m³/s
S. D.													1.88		44.4	0.987	0.620	m³/s
Normal	7.60	7.29	6.88	9.24	17.2	20.9	15.4	7.37	4.88	6.60	11.8	9.01	10.4					
Normal	123	107	111	144	278	326	248	119	76	107	184	145	1970	10-Year	151	2.24	1.46	m³/s



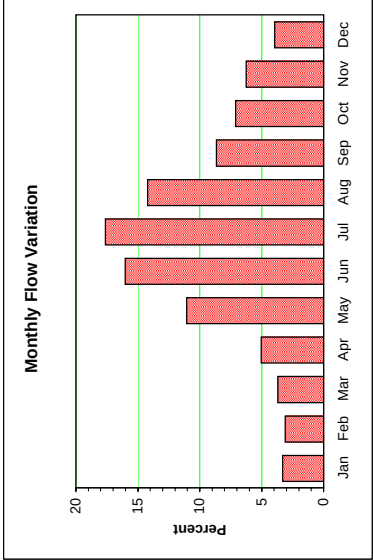
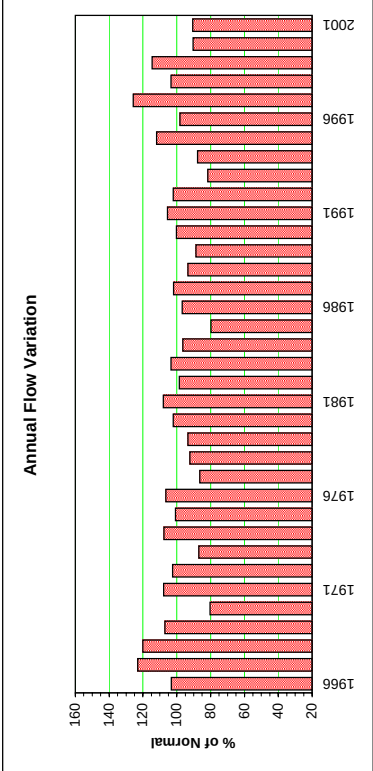
SQUAMISH RIVER BELOW CHEAKAMUS RIVER INFLOW (08GA022 + 08GA043)

Location: 49°47'00"N, 123°11'00"W

Monthly and Annual Inflow in m³/s Drainage Area = 3340 km² Median Elevation = 1400 m

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	% of Normal	Year
1966	90.8	68.1	123	208	311	487	556	448	332	312	168	237	280	103	1966
1967	102	96.5	83.4	76.1	322	904	615	478	367	511	270	168	334	123	1967
1968	303	174	202	121	374	597	701	426	344	337	215	103	326	120	1968
1969	75.5	69.6	86.0	201	490	816	505	367	374	217	162	110	290	107	1969
1970	63.6	73.6	69.7	99.3	256	599	462	374	223	173	143	72.5	218	80	1970
1971	110	161	79.0	139	447	554	675	570	327	225	134	70.9	292	108	1971
1972	56.2	68.3	222	160	439	647	680	479	214	114	106	137	278	103	1972
1973	116	72.5	86.7	102	354	453	503	386	237	245	126	131	236	87	1973
1974	132	74.0	117	173	303	629	691	593	377	150	115	132	292	108	1974
1975	58.0	51.8	71.7	100	285	542	662	405	249	282	398	159	273	101	1975
1976	100	85.7	78.0	123	358	481	677	567	437	192	181	174	289	106	1976
1977	108	124	83.0	157	217	452	415	538	248	182	172	110	234	86	1977
1978	48.2	68.7	134	147	244	535	592	481	360	205	137	40.6	250	92	1978
1979	29.9	83.3	140	143	326	397	490	431	437	236	106	206	253	93	1979
1980	63.9	108	96	187	355	471	477	361	308	170	301	420	277	102	1980
1981	212	153	102	180	351	371	523	475	295	312	398	131	293	108	1981
1982	43.4	92.3	74.3	96.9	309	736	558	390	332	359	110	95.5	267	99	1982
1983	144	181	137	151	405	555	607	423	230	196	282	51.1	281	104	1983
1984	180	122	125	112	187	503	549	424	273	449	128	76.4	261	96	1984
1985	72.2	69.2	71.2	181	326	479	488	374	157	217	91.2	59.9	216	80	1985
1986	127	127	190	126	405	615	501	451	224	145	118	109	262	97	1986
1987	173	113	196	186	423	626	565	358	268	128	155	113	276	102	1987
1988	61.2	77.7	97.3	200	377	482	525	421	262	206	229	92.8	253	93	1988
1989	82.6	66.2	81.6	186	311	511	397	383	229	219	259	150	240	89	1989
1990	95.6	74.6	82.2	212	287	448	517	429	282	261	465	99.4	272	100	1990
1991	82.1	259	70.9	165	316	478	600	745	305	139	159	109	286	106	1991
1992	175	159	166	271	377	564	459	387	206	316	166	69.5	277	102	1992
1993	56.1	70.0	119	165	520	430	323	362	231	145	78.8	141	221	82	1993
1994	135	78.4	188	204	350	379	520	361	267	143	81.8	133	238	88	1994
1995	100	188	137	155	414	511	550	320	279	256	526	206	304	112	1995
1996	126	106	109	248	269	480	658	467	251	248	172	50.7	266	98	1996
1997	120	88.8	150	230	480	665	624	461	404	456	276	120	341	126	1997
1998	141	134	123	130	443	567	593	386	274	172	234	160	281	103	1998
1999	114	103	107	166	297	602	766	661	272	242	337	140	311	115	1999
2000	71.5	66.7	79.3	167	331	567	568	414	259	246	103	60.0	245	90	2000
2001	86.2	49.8	82.1	138	290	395	482	529	298	163	322	97.1	246	91	2001

Avg.	107	104	115	161	349	542	558	448	290	235	206	126	271	m ³ /s
S. D.	104	108	117	165	350	524	558	450	283	225	205	125	30.7	m ³ /s
Normal	84	79	94	128	281	407	448	361	220	181	159	100	2540	mm



STAWAMUS RIVER BELOW RAY CREEK 08GA064

Location: 49°42'04"N, 123°05'54"W

Drainage Area = 42.5 km²

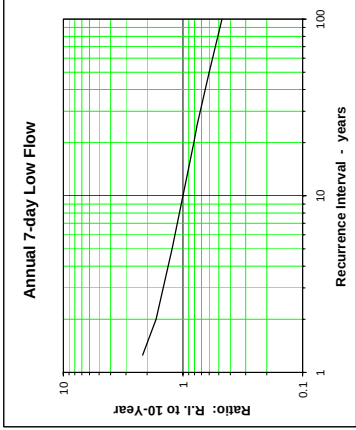
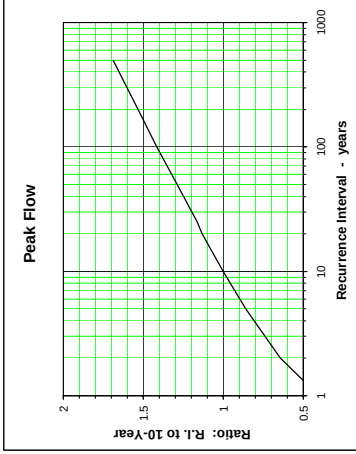
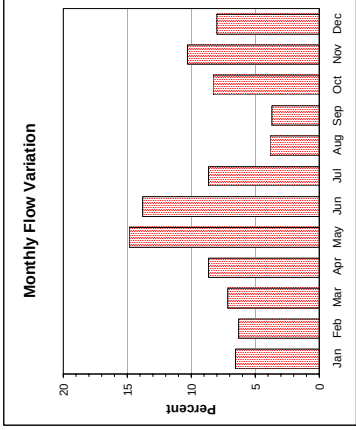
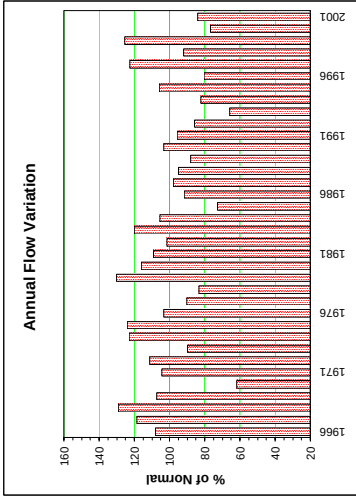
Median Elevation = 1070 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year
1966	3.0	2.4	2.2	2.6	5.9	9.8	5.0	2.9	1.5	8.9	4.1	3.0	3.9			1966
1967	7.0	4.1	4.8	2.9	5.9	7.7	5.2	1.9	1.6	6.6	5.1	3.1	4.28			1967
1968	4.1	1.5	1.9	3.1	8.7	9.2	4.0	1.6	3.9	3.6	3.1	3.0	4.66			1968
1969	1.6	1.8	1.6	3.1	4.0	6.5	1.6	0.15	0.25	1.5	2.9	1.9	3.88			1969
1970	2.6	3.8	2.0	3.4	7.4	7.8	6.8	2.5	1.8	2.9	1.2	3.77	2.24			1970
1971	1.2	2.1	7.0	4.1	8.30	7.41	5.94	0.949	2.15	0.593	3.68	4.79	4.02	Dec 19	0.432	1971
1972	3.19	2.04	1.45	1.88	7.36	6.10	3.15	0.975	1.05	0.382	3.29	4.44	3.24	May 24	0.565	1972
1973	0.969	1.18	4.11	3.65	6.22	10.2	8.98	3.92	1.66	4.32	4.32	3.71	4.44	Nov 24	0.846	1973
1974	0.966	0.697	2.08	2.14	7.82	8.60	5.26	3.54	1.16	7.48	9.00	4.79	4.48	Nov 03	0.865	1974
1975	1.43	1.18	1.23	2.75	8.35	7.40	4.75	4.14	2.26	2.25	2.42	3.72	3.72	Nov 17	1.22	1975
1976	2.00	3.35	1.57	4.39	4.72	7.40	1.71	1.05	2.24	3.52	4.37	3.26	3.26	Nov 01	0.788	1976
1977	1.66	2.62	3.91	2.84	5.28	5.99	2.15	2.54	4.78	1.9	1.9	0.68	3.01	Nov 07	0.829	1977
1978	0.47	2.1	5.68	4.51	10.7	5.91	3.09	0.839	6.37	6.36	1.33	8.68	4.69	Oct 24	0.681	1978
1979	1.6	4.7	1.9	4.6	5.4	5.7	3.0	1.2	2.7	9.77	8.67	4.18	113	Dec 26		1979
1980	3.8	3.7	1.8	4.5	5.21	4.74	2.3	0.65	1.24	9.3	5.3	3.7	3.93	Oct 31	83.4	1980
1981	1.14	3.10	1.76	2.41	6.65	9.61	4.04	1.30	1.13	6.74	2.66	3.47	3.67	Oct 22	53.6	1981
1982	4.54	7.26	4.43	3.51	7.10	6.80	5.63	1.78	1.87	2.09	6.14	1.15	4.33	Nov 15	0.789	1982
1983	4.16	3.48	3.38	2.53	5.31	7.37	4.83	1.42	1.96	6.45	3.84	1.02	3.81	Nov 05	0.434	1983
1984	0.972	0.631	0.742	4.96	6.93	6.02	1.90	0.547	0.870	5.17	1.64	1.07	2.62	Oct 08	0.830	1984
1985	4.47	4.48	5.43	2.22	7.81	4.99	2.28	0.76	0.61	1.3	2.42	3.01	3.31	Oct 19	0.381	1985
1986	4.06	2.90	6.39	3.88	7.88	6.21	2.64	0.655	0.578	0.53	3.19	3.39	3.53	Feb 24	63.9	1986
1987	1.41	1.46	1.88	4.92	7.83	6.51	3.56	0.918	1.26	2.21	6.82	2.33	3.42	Mar 04	57.4	1987
1988	1.91	0.873	1.97	4.53	5.36	5.63	2.70	0.909	5.68	5.29	5.68	2.85	3.17	Nov 05	67.8	1988
1989	1.3	0.8	1.6	5.2	4.8	6.9	3.4	2.0	1.4	3.84	11	3.0	3.73	Nov 09	84.9	1989
1990	2.1	8.4	1.9	4.6	4.6	4.1	2.2	5.1	1.2	0.17	4.2	3.2	3.45			1990
1991	6.9	4.0	2.8	6.1	3.3	3.0	1.4	0.56	0.82	4.2	3.2	1.1	3.10			1991
1992	1.4	1.4	2.8	3.9	6.2	3.1	1.5	0.8	0.4	1.2	1.4	4.5	2.38	Dec 10	66	1992
1993	4.4	2.2	5.4	4.1	4.2	3.7	2.0	0.6	0.7	1.5	2.0	4.7	2.96	Mar 02	65	1993
1994	4.3	4.6	3.6	2.6	5.4	3.9	1.7	1.1	0.4	3.6	9.3	5.4	3.82	Nov 18	92	1994
1995	4.0	4.1	2.5	5.2	4.1	3.4	2.3	0.6	1.0	3.1	2.7	1.7	2.89		35	1995
1996	4.7	2.4	4.3	5.2	7.5	6.5	3.7	1.3	3.2	6.7	5.0	2.6	4.42	Oct 04		1996
1997	4.8	4.4	3.0	2.3	6.0	4.1	2.0	0.3	2.3	5.8	4.4	4.4	3.32			1997
1998	3.0	2.3	2.7	3.8	5.3	8.1	4.2	0.6	0.3	3.3	8.4	3.7	4.53			1998
1999	1.2	1.7	1.5	3.5	5.8	6.8	3.4	1.1	1.0	3.9	1.9	1.4	2.77			1999
2000	2.6	0.9	2.1	3.3	4.7	4.0	1.7	2.8	1.0	2.9	7.4	2.7	3.03	Oct 20	60	2000
2001	2.84	2.82	2.95	3.71	6.23	6.25	3.63	1.66	1.62	3.69	4.50	3.29	3.61	Nov 15	74	2001

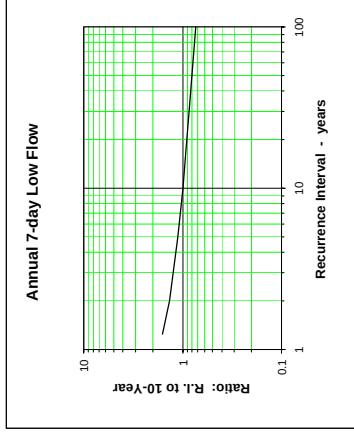
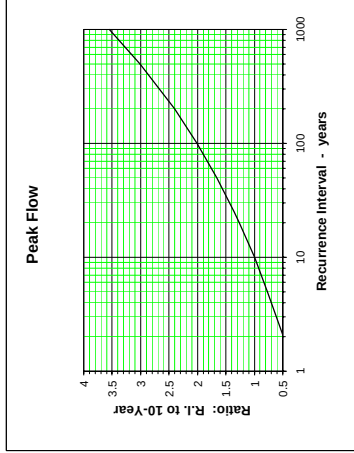
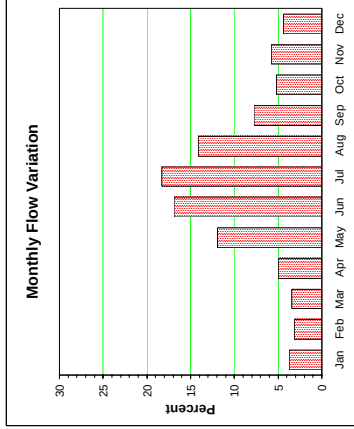
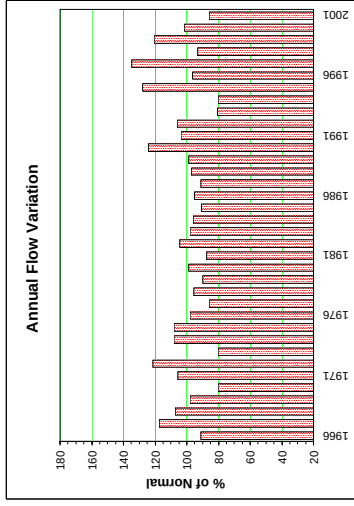
Avg.	2.78	2.93	3.02	3.78	6.30	6.05	3.66	1.63	1.61	3.52	4.50	3.39	0.649		64.8	0.705	0.476	m ³ /s
S. D.	175	168	191	231	397	369	231	103	98	222	275	213	2670		22.4	0.232	0.156	m ³ /s
Normal														10-Year	95.4	0.425	0.280	m ³ /s



Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual
1966	4.13	2.95	4.81	11.5	21.5	28.0	31.5	26.4	19.1	15.5	7.73	16.4	15.9	Dec 16	75.9	16.3	2.71
1967	7.48	6.29	4.53	4.90	20.4	55.3	40.7	32.1	25.3	40.7	14.3	9.49	20.5	Oct 27	133	19.6	3.87
1968	15.8	12.1	10.39	6.21	21.2	42.0	25.8	21.2	8.95	17.0	10.7	6.91	20.5	Jun 02	133	14.0	4.13
1969	7.99	2.89	3.68	12.0	35.5	50.6	29.3	20.0	22.0	9.17	6.85	4.36	17.1	Jun 04	76.5	17.1	2.08
1970	4.16	5.15	4.30	5.61	18.6	42.1	32.0	23.3	15.2	6.57	5.49	4.59	14.0	Jun 03	90.6	7.35	2.90
1971	8.64	13.7	4.81	7.42	31.7	33.9	48.6	37.0	14.1	9.74	6.77	3.99	18.4	Jul 19	92.6	7.56	2.79
1972	4.13	7.08	18.8	10.4	35.1	50.1	51.1	37.8	16.9	8.41	8.01	8.01	21.1	Jul 12	158	10.3	2.87
1973	6.57	3.71	4.25	5.69	21.3	28.3	24.4	25.9	15.9	8.04	8.04	8.55	14.0	Jun 23	66.0	12.2	3.20
1974	12.5	5.01	6.31	8.61	19.0	52.0	47.1	36.2	18.2	6.80	6.85	6.68	18.8	Jun 20	89.8	12.7	3.22
1975	6.65	3.91	4.08	4.87	20.4	37.7	54.8	24.6	15.4	13.3	16.8	22.1	18.8	Dec 04	136	11.9	2.91
1976	10.3	6.48	4.16	6.80	18.2	28.1	45.1	36.0	20.2	8.18	6.29	5.10	17.1	Jul 08	75.0	15.4	3.54
1977	7.36	5.30	4.11	10.1	12.2	31.4	25.5	37.7	14.0	5.66	11.7	15.18	15.0	Jan 18	88.1	6.75	2.88
1978	4.45	4.30	7.84	9.43	16.3	33.3	29.9	32.8	22.8	9.31	13.3	3.79	16.7	Nov 07	146	13.7	3.30
1979	2.22	4.33	7.28	7.28	23.3	25.9	31.6	27.4	20.1	10.1	3.68	23.8	15.7	Dec 18	215	15.5	1.92
1980	9.47	5.95	6.65	13.2	26.4	27.6	29.9	21.9	18.5	9.03	14.5	19.0	15.3	Dec 26	411	17.2	11.0
1981	9.46	9.20	5.13	9.40	18.3	23.7	31.5	32.4	18.5	11.6	7.76	5.78	15.3	Sep 01	83.5	8.50	3.82
1982	4.76	9.68	5.86	6.03	18.8	53.3	42.9	31.5	19.5	10.8	6.63	8.58	18.2	Jun 20	107	12.8	3.25
1983	9.51	7.28	8.52	8.52	27.9	35.4	38.5	30.1	14.7	7.22	12.9	3.74	17.1	Jul 13	182	8.35	2.56
1984	23.8	6.34	6.46	6.31	13.6	34.3	38.2	31.6	14.3	11.7	6.46	4.22	16.8	Jan 04	266	6.72	3.73
1985	25.1	3.00	2.97	13.1	26.5	39.4	38.7	21.5	10.4	13.1	13.0	3.60	15.8	Jun 07	80.4	6.37	2.49
1986	7.87	11.6	11.3	9.60	25.2	38.8	26.9	30.3	12.5	8.58	10.8	5.35	16.6	May 30	92.9	5.97	3.00
1987	5.72	5.27	9.49	13.8	35.0	33.8	29.7	22.8	20.0	7.16	3.68	3.74	15.9	May 12	165	15.7	2.44
1988	3.00	3.60	6.68	18.4	25.3	31.5	31.4	23.1	16.6	21.2	13.5	8.21	16.9	Oct 16	256	8.62	2.04
1989	5.83	4.84	4.22	18.5	22.1	39.0	29.5	23.5	11.8	7.90	20.8	18.4	21.7	Dec 04	217	8.64	3.21
1990	8.61	5.44	6.88	18.7	17.8	35.3	42.5	32.3	18.2	20.8	42.1	10.4	21.6	Nov 10	243	15.9	3.39
1991	8.95	19.3	5.64	9.49	22.3	29.3	42.9	35.1	16.1	7.42	12.0	8.50	18.1	Feb 05	94.0	12.6	2.42
1992	13.0	9.80	8.58	14.1	33.3	44.9	34.5	28.9	14.6	9.37	6.37	4.42	18.5	Jan 31	108	7.91	3.71
1993	3.88	3.91	5.49	6.88	45.3	28.7	22.2	19.9	12.7	9.37	3.99	5.04	14.0	May 11	94.0	5.69	1.95
1994	5.47	3.68	10.3	13.1	23.8	23.8	32.8	22.1	15.3	6.29	4.45	5.86	14.0	Jun 25	54.7	11.9	3.17
1995	5.04	16.2	7.59	7.31	29.2	35.9	40.9	21.2	17.0	15.7	46.8	15.6	22.3	Nov 29	309	10.7	3.57
1996	11.3	13.3	8.50	14.2	14.7	29.2	37.4	25.7	16.4	13.8	11.4	6.12	16.8	Jul 15	60.9	10.6	4.22
1997	12.5	8.55	14.0	16.0	37.5	47.6	45.7	34.7	19.5	19.5	12.8	6.71	17.4	Jul 09	190	14.0	4.75
1998	6.00	4.62	5.32	8.67	26.8	33.6	38.2	27.2	17.3	6.80	8.78	10.4	16.2	Jul 27	63.4	12.0	3.16
1999	11.16	5.10	5.66	8.98	20.0	42.6	48.6	42.5	15.2	11.6	28.3	10.8	21.0	Nov 12	286	10.2	3.67
2000	5.32	4.39	6.48	14.5	24.7	47.7	34.3	29.1	18.9	12.9	4.56	7.30	14.5	Sep 30	135	10.2	2.92
2001	5.18	2.68	4.02	7.56	24.6	24.3	30.1	30.4	17.1	7.85	16.7	7.79	14.9	Nov 15	106	12.7	2.28

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WAHLEACH LAKE INFLOW

(Monthly Reservoir Data provided by BC Hydro is preliminary and subject to revision)

Location: 49°15'02"N, 121°36'15"W

Monthly and Annual Inflow in m³/s

Drainage Area =

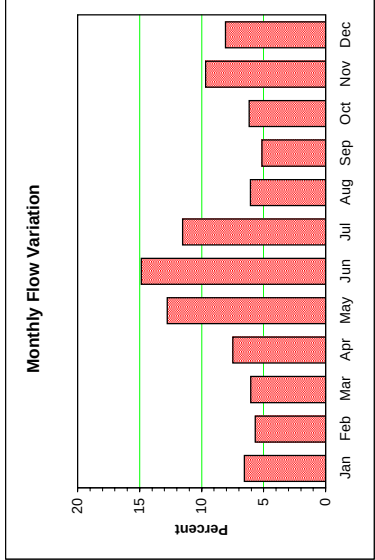
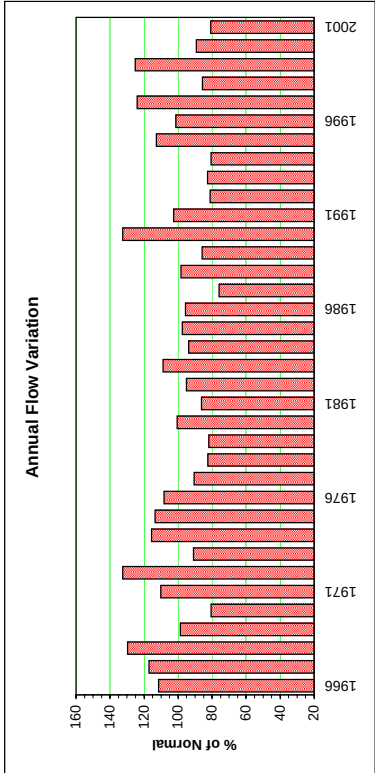
Median Elevation =

1150 m

% of

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Normal	Year
1966	3.96	2.27	3.68	6.51	11.9	11.0	10.2	5.10	3.96	7.93	6.51	12.2	7.14	111	1966
1967	5.95	4.81	3.96	1.70	11.0	17.8	9.63	4.81	2.55	11.04	7.36	9.06	7.50	117	1967
1968	11.6	12.2	8.21	4.81	7.65	13.0	11.0	5.10	7.08	6.80	7.08	5.38	8.31	130	1968
1969	4.25	1.42	4.25	6.51	14.7	13.6	5.95	3.68	6.80	5.10	5.38	3.96	6.32	99	1969
1970	3.62	4.22	3.54	5.72	7.02	11.6	5.38	3.68	4.59	4.25	5.10	3.40	5.17	81	1970
1971	5.13	7.25	3.79	4.67	12.0	14.0	13.0	5.80	4.59	5.52	5.04	3.79	7.06	110	1971
1972	2.97	3.17	11.8	6.57	17.3	21.3	17.8	5.32	6.80	2.32	3.00	3.43	8.49	133	1972
1973	3.31	4.84	6.37	5.78	9.54	7.79	7.56	4.30	3.09	5.27	5.97	6.03	5.83	91	1973
1974	5.04	4.76	4.11	6.09	10.6	17.2	15.6	7.62	4.11	2.77	4.93	5.89	7.40	116	1974
1975	5.80	6.09	3.79	2.41	8.64	12.5	9.80	3.91	3.43	6.57	10.9	13.4	7.27	114	1975
1976	6.82	4.56	2.46	4.84	12.2	10.8	11.9	10.6	6.65	2.94	3.99	5.24	6.94	108	1976
1977	5.27	4.11	3.91	6.94	6.31	8.52	4.73	4.47	4.42	4.42	8.41	8.13	5.80	91	1977
1978	3.62	2.72	5.04	4.22	8.18	9.37	6.68	4.84	6.80	3.34	5.86	2.61	5.28	82	1978
1979	1.70	2.55	5.66	4.81	11.0	8.21	4.25	2.66	4.79	1.90	0.71	14.4	5.25	82	1979
1980	2.46	5.35	4.45	7.65	9.68	8.69	7.79	4.79	3.54	3.48	7.36	12.0	6.44	101	1980
1981	5.21	5.44	2.72	5.30	5.04	13.8	6.97	2.94	3.68	5.30	6.34	3.79	5.52	86	1981
1982	4.56	4.25	3.00	3.17	9.97	15.6	9.49	4.70	4.36	4.90	4.36	4.70	6.10	95	1982
1983	8.07	5.63	3.88	4.56	6.00	11.3	14.6	3.74	4.08	2.89	9.91	8.86	6.97	109	1983
1984	6.91	5.92	5.95	6.20	4.70	13.5	7.08	3.94	5.46	4.64	5.24	2.77	6.01	94	1984
1985	2.29	2.38	1.93	8.41	13.2	12.3	6.91	3.65	3.54	8.58	7.84	3.88	6.25	98	1985
1986	4.36	6.60	6.91	5.30	10.4	9.97	7.79	3.88	3.00	3.40	8.18	3.85	6.13	96	1986
1987	4.67	2.55	4.96	7.45	11.7	8.32	6.29	2.61	2.55	1.47	2.21	3.43	4.86	76	1987
1988	2.07	3.14	4.28	8.44	11.4	10.8	8.38	4.13	3.62	6.68	7.53	5.01	6.29	98	1988
1989	5.01	2.18	2.80	5.30	5.58	6.37	3.37	2.52	1.70	4.13	18.7	8.27	5.50	86	1989
1990	4.50	4.28	3.85	8.32	8.52	13.3	8.98	4.53	2.69	9.63	26.9	6.51	8.49	133	1990
1991	5.15	10.8	3.40	5.24	9.66	11.16	10.0	5.86	4.11	2.32	6.23	5.38	6.58	103	1991
1992	6.57	6.14	3.68	5.63	7.16	6.68	5.75	3.54	4.45	4.45	4.79	3.60	5.20	81	1992
1993	2.77	3.09	4.96	5.78	13.4	8.89	6.37	4.28	2.38	3.11	3.17	5.15	5.30	83	1993
1994	5.18	2.46	6.99	6.60	7.90	8.30	6.46	2.80	2.63	2.69	3.00	6.63	5.16	81	1994
1995	4.64	9.06	4.50	4.13	7.82	7.99	6.09	4.08	2.27	7.65	20.3	8.49	7.22	113	1995
1996	9.40	5.79	3.73	6.56	7.09	14.7	6.35	4.02	4.02	6.20	6.50	3.70	6.49	101	1996
1997	7.10	4.96	7.47	7.72	14.6	14.7	11.9	4.00	4.70	8.20	4.70	5.00	7.94	124	1997
1998	5.52	3.90	4.63	4.11	8.91	8.69	5.66	2.98	2.09	2.56	8.87	7.82	5.49	86	1998
1999	7.36	3.51	3.07	4.87	9.04	15.8	13.6	9.18	4.56	5.99	11.2	7.93	8.03	125	1999
2000	4.00	2.35	2.09	7.03	9.71	15.0	8.34	4.61	5.12	5.25	2.83	2.29	5.71	89	2000
2001	3.48	1.81	3.03	4.18	9.56	8.82	5.47	4.39	3.50	5.12	7.73	4.74	5.17	81	2001

Avg.	5.01	4.63	4.52	5.65	9.70	11.7	8.53	4.53	4.10	4.97	7.34	6.13	6.41	m³/s
S. D.	4.92	4.66	4.54	5.80	9.58	11.52	8.65	4.54	3.97	4.62	7.50	6.07	1.05	m³/s
Normal	212	184	196	243	414	481	374	196	166	200	314	262	3240	mm



WANNOCK RIVER AT OUTLET OF OWIKENO LAKE 08FA002

Location: 51°40'45"N, 127°10'45"W

Monthly and Annual Discharge in m³/s

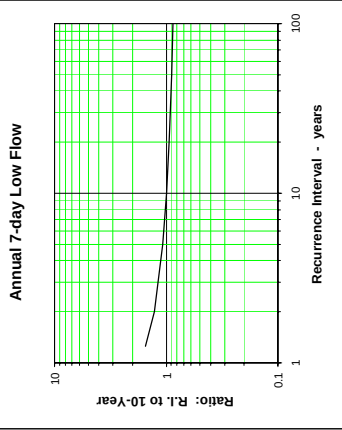
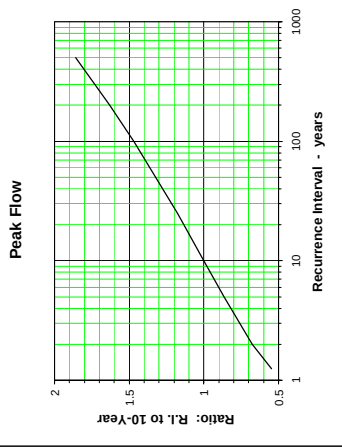
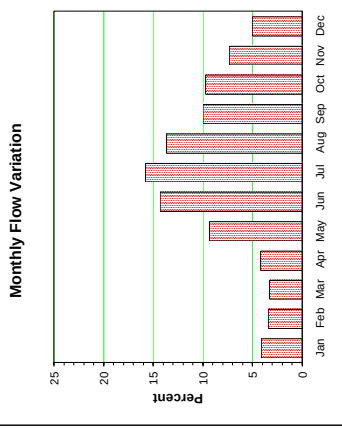
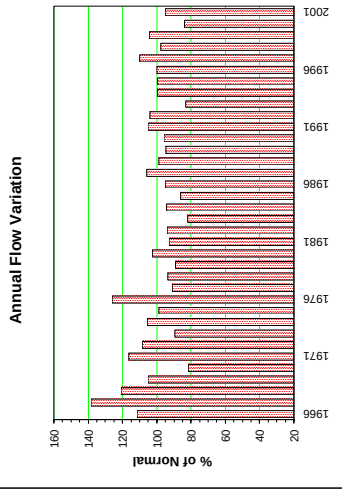
Drainage Area = 39.40 km²

Median Elevation = 1220 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	96.5	91.2	152	289	353	554	648	560	410	570	281	227	354	Oct 26	1560	335	72.2	1966
1967	159	146	82.3	81.1	413	896	756	597	776	727	388	248	440	Oct 11	2090	469	68.5	1967
1968	575	176	192	124	361	515	684	441	519	537	334	132	384	Jan 24	2920	334	67.0	1968
1969	65.5	55	75.6	113	403	877	522	623	393	326	376	169	334	Aug 15	1230	317	48.6	1969
1970	78.9	119	82.5	114	395	585	524	474	369	215	103	61.6	260	May 17	1160	205	52.9	1970
1971	174	341	79.0	113	359	538	634	815	540	404	335	99.3	369	Aug 22	1530	202	54.4	1971
1972	60.3	70.0	270	166	540	799	831	550	283	233	168	149	345	Jun 29	1170	186	42.4	1972
1973	144	87.2	85.3	136	331	458	558	432	527	284	129	130	345	Sep 29	1630	223	62.7	1973
1974	85.9	84.9	86.9	184	322	669	669	570	463	602	140	215	336	Oct 18	1650	325	54.2	1974
1975	131	62.0	60.0	92	276	621	764	535	281	257	484	196	315	Jul 10	1200	261	46.7	1975
1976	228	121	81.0	114	399	578	789	750	554	362	355	460	401	Dec 17	1710	227	75.4	1976
1977	160	172	107	171	224	474	487	675	261	357	247	130	290	Oct 23	1230	201	70.9	1977
1978	55.2	94.5	129	131	229	497	597	563	361	417	376	120	297	Nov 07	1320	278	44.9	1978
1979	52.5	56.3	170	139	426	500	536	480	419	274	99.0	220	283	May 27	877	332	43.8	1979
1980	114	103	90.4	142	347	467	474	420	542	312	305	590	326	Dec 16	1820	349	71.6	1980
1981	234	152	93.1	151	334	385	518	484	358	320	400	109	296	Nov 03	1280	241	71.7	1981
1982	94.0	85.0	65.4	78.7	313	772	578	410	580	327	171	108	299	Sep 09	1600	272	56.2	1982
1983	150	129	104	94.1	311	552	493	395	339	264	218	68.4	260	Jun 10	891	234	47.9	1983
1984	267	194	132	158	433	560	504	504	452	504	157	105	300	Oct 08	1490	254	80.4	1984
1985	164	110	96.0	202	366	512	621	408	211	361	140	73.3	274	Oct 16	1090	164	53.7	1985
1986	182	115	187	171	365	657	569	456	289	215	245	161	302	May 27	1330	164	58.0	1986
1987	221	199	160	160	340	621	618	375	449	289	469	144	337	Jun 13	1280	285	84.3	1987
1988	91.9	145	138	191	407	468	544	515	388	425	221	219	314	Sep 29	1290	159	57.6	1988
1989	117	105	59.7	177	362	569	437	416	250	310	499	308	302	Nov 10	1550	193	54.0	1989
1990	197	90.6	109	224	341	488	499	465	272	381	395	590	305	Nov 13	1310	255	69.3	1990
1991	120	296	87.0	142	333	535	624	578	340	317	403	234	334	Aug 09	831	276	54.0	1991
1992	247	228	180	200	286	574	522	417	392	506	273	147	331	Oct 24	1580	216	114	1992
1993	63.9	123	161	244	480	463	398	429	264	208	282	169	264	Nov 03	977	139	50.9	1993
1994	186	90.1	199	277	389	423	570	416	422	427	188	195	317	Oct 01	1120	269	72.8	1994
1995	92.9	212	117	142	404	503	594	420	286	362	379	251	316	Nov 18	796	237	71.4	1995
1996	312	137	164	322	218	446	550	489	375	356	276	101	318	Jan 13	1070	210	63.5	1996
1997	121	195	139	201	463	624	595	481	347	493	328	205	350	Oct 16	1120	232	76.0	1997
1998	167	119	103	97.1	426	587	587	456	370	426	197	169	310	Oct 07	1010	240	64.4	1998
1999	173	103	90.5	155	265	662	691	736	390	266	252	186	332	Aug 25	1410	283	72.8	1999
2000	108	65.3	69.8	152	492	482	527	453	375	372	213	106	267	Oct 24	956	287	58.4	2000
2001	162	77.0	82.5	133	283	479	531	554	417	317	462	122	303	Nov 15	913	270	52.6	2001
AVG.	159	132	119	156	347	561	586	509	395	373	286	180	318		1330	253	62.8	m ³ /s
S. D.	152	137	121	159	343	543	581	503	379	358	278	185	39.0		406	65.3	14.2	m ³ /s
Normal	104	85	82	105	233	357	395	342	249	244	183	125	2500	10-Year	1850	177	47.4	m ³ /s



Zone 27

ALOUETTE LAKE INFLOW

(Monthly Reservoir Data provided by BC Hydro is preliminary and subject to revision)

Location: 49°17'13"N, 122°29'13"W

Monthly and Annual Inflow in m³/s

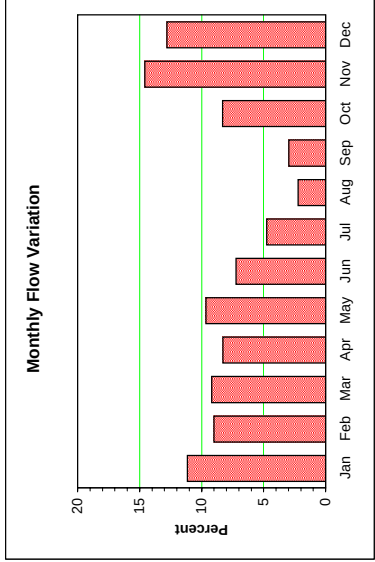
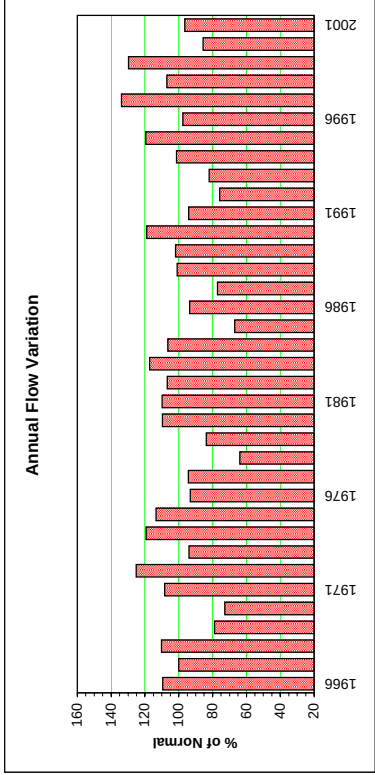
Drainage Area = 199.0 km²

Median Elevation = 579 m

% of

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Normal	Year
1966	29.4	10.5	24.4	22.4	25.5	20.1	11.9	5.10	5.95	25.2	26.3	68.2	23.1	110	1966
1967	39.9	22.9	15.0	4.53	22.4	24.9	9.63	2.83	2.83	54.4	14.2	37.9	21.0	100	1967
1968	48.7	36.0	24.9	13.6	16.7	18.4	6.23	8.21	19.5	32.6	27.7	26.3	23.2	110	1968
1969	12.3	6.20	19.2	32.4	29.4	18.9	7.76	4.76	20.8	14.8	13.4	18.9	16.6	79	1969
1970	19.8	14.6	11.6	23.5	14.1	12.7	7.05	2.66	11.6	14.3	27.6	24.9	15.3	73	1970
1971	36.0	30.8	22.0	19.0	33.5	30.5	20.0	4.25	10.7	27.8	30.4	9.5	22.8	108	1971
1972	21.5	34.8	62.0	23.2	31.2	19.5	25.1	4.70	12.8	47.9	22.1	54.4	26.4	125	1972
1973	22.3	15.9	21.1	11.7	25.5	21.6	7.79	2.12	8.86	27.3	29.4	43.5	19.8	94	1973
1974	42.3	38.4	14.9	14.9	37.2	34.8	28.5	7.70	3.00	5.10	37.6	32.4	25.1	119	1974
1975	14.0	8.32	13.4	9.00	32.1	21.0	10.0	13.8	1.44	50.9	59.9	51.3	23.9	114	1975
1976	24.0	11.5	16.0	19.5	35.4	25.6	21.2	15.9	9.94	9.71	13.8	32.2	19.6	93	1976
1977	15.4	24.0	20.1	22.9	20.9	14.0	6.20	4.87	11.9	22.2	42.2	34.5	19.9	94	1977
1978	13.8	15.8	17.5	13.5	19.6	9.77	3.82	7.33	22.6	8.38	19.4	10.4	13.4	64	1978
1979	5.95	27.5	24.6	11.0	17.6	13.3	8.78	2.24	10.1	18.7	6.43	65.2	17.6	84	1979
1980	6.12	37.3	16.7	27.2	15.6	13.5	9.91	5.88	17.1	9.49	57.1	63.3	23.1	110	1980
1981	9.46	30.3	15.3	36.1	16.8	31.0	7.05	2.86	10.6	48.8	37.9	32.7	23.1	110	1981
1982	26.6	48.0	8.81	15.3	26.0	24.9	20.3	4.11	5.6	28.0	26.6	37.8	22.5	107	1982
1983	44.3	41.8	27.1	12.5	18.2	19.5	32.1	4.33	12.7	15.1	60.8	9.37	24.7	117	1983
1984	45.6	26.2	25.0	15.5	28.5	17.2	8.81	1.59	11.7	26.7	43.8	18.5	22.4	106	1984
1985	6.85	8.52	8.27	31.9	22.4	18.3	2.35	2.72	2.25	38.7	18.9	7.25	14.1	67	1985
1986	38.9	35.1	28.9	15.1	28.6	8.72	7.53	0.396	2.86	7.36	36.6	27.4	19.7	94	1986
1987	29.0	17.7	34.3	21.3	25.7	10.1	5.92	0.99	1.16	1.13	23.4	23.9	16.2	77	1987
1988	17.2	22.8	24.7	31.5	33.3	18.0	8.27	2.52	5.35	15.4	47.1	29.6	21.3	101	1988
1989	39.3	11.0	21.4	29.4	25.9	19.1	8.32	8.41	4.87	20.7	50.0	18.8	21.5	102	1989
1990	25.8	24.5	22.4	30.1	18.8	25.5	8.21	5.01	3.31	28.2	81.2	28.8	25.1	119	1990
1991	27.4	49.1	10.8	26.1	18.8	10.9	7.62	21.0	0.000	1.93	40.2	27.1	19.8	94	1991
1992	53.3	18.8	7.90	26.1	8.10	11.6	7.39	2.12	3.14	14.4	27.3	11.9	16.0	76	1992
1993	20.6	6.8	29.7	34.0	23.4	13.5	6.57	4.96	0.680	11.2	20.4	34.6	17.3	82	1993
1994	38.5	25.5	36.5	18.5	9.83	13.3	6.65	0.99	2.12	18.1	28.5	56.9	21.3	101	1994
1995	32.0	33.3	24.5	15.3	14.1	9.20	7.02	9.71	0.736	34.0	76.0	46.5	25.1	119	1995
1996	42.7	26.5	14.6	32.0	19.4	6.17	5.97	3.94	14.7	34.4	27.1	19.6	20.6	98	1996
1997	52.2	17.4	29.9	30.1	32.1	27.0	18.7	3.27	24.4	39.0	33.6	29.7	28.2	134	1997
1998	36.9	27.0	23.2	11.4	19.3	11.6	9.02	1.54	-0.540	17.9	66.7	46.9	22.5	107	1998
1999	35.2	30.8	22.6	17.0	29.8	34.9	26.8	14.2	6.36	20.7	50.7	39.2	27.3	130	1999
2000	14.9	17.7	21.9	21.5	37.4	27.3	11.3	4.15	10.3	17.1	15.5	17.4	18.0	86	2000
2001	20.6	9.79	24.5	23.4	23.8	15.7	5.16	19.9	6.85	25.3	34.1	33.4	20.3	96	2001

Avg.	28.0	23.4	22.5	21.2	23.8	18.7	11.2	5.85	8.30	21.9	35.4	32.5	21.1	m³/s
S. D.	27.9	24.8	23.0	21.4	24.2	18.7	11.9	5.6	7.7	20.8	37.7	32.0	21.3	m³/s
Normal	376	304	309	279	325	244	160	75	100	280	491	431	3370	mm



CAPILANO RIVER ABOVE INTAKE 08GA010

Location: 49°23'45"N, 123°08'40"W

Monthly and Annual Discharge in m³/s

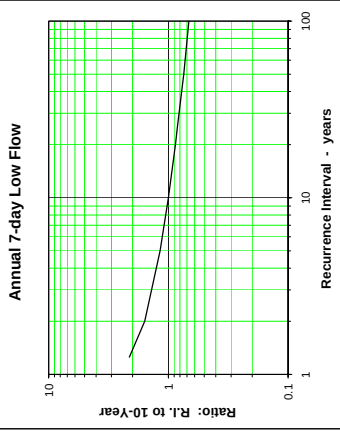
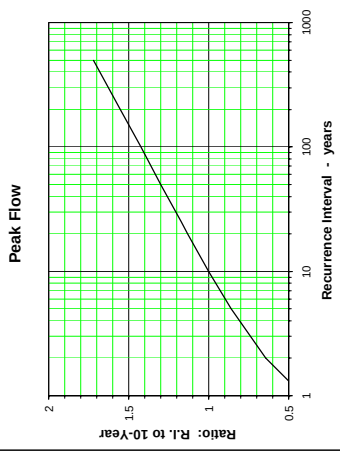
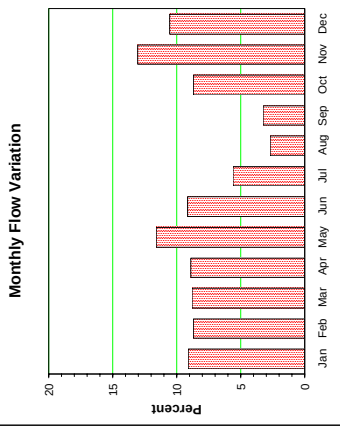
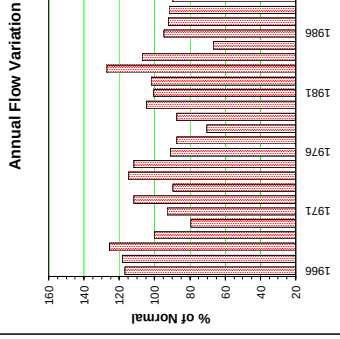
Drainage Area = 172 km²

Median Elevation = 880 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year
1966	20.7	14.7	21.7	23.3	30.5	30.2	16.3	5.63	6.71	21.4	30.8	63.0	238	Dec 13	260	1966
1967	29.6	18.8	19.4	14.5	36.1	42.1	14.0	4.95	5.46	60.4	19.2	24.4	24.2	Oct 10	248	1967
1968	40.0	35.6	30.8	12.4	28.7	28.6	16.8	5.86	11.4	41.7	28.5	27.5	25.7	Jan 14	272	1968
1969	15.2	11.8	15.5	33.2	38.1	29.7	10.2	7.27	24.9	18.2	18.9	22.2	20.4	Sep 22	196	1969
1970	18.3	15.8	17.7	25.9	16.9	13.1	5.62	4.72	14.4	18.4	25.2	18.9	16.2	Apr 09	181	1970
1971	19.0	28.6	13.1	15.2	29.0	30.5	22.3	6.73	10.2	21.2	26.7	6.01	18.9	Feb 14	221	1971
1972	11.6	20.2	47.3	24.5	30.3	21.6	25.5	5.53	15.0	5.0	25	42	22.8	Jul 12	255	1972
1973	25.9	14.6	12	11	29.9	23.2	8.53	4.33	5.48	21.9	22.9	38.5	18.3	Dec 16	236	1973
1974	26.6	14.6	29.3	21.8	35.6	36.6	32.9	10.7	8.91	6.46	32.1	24.7	23.4	Nov 24	254	1974
1975	7.92	5.76	14.2	11.4	33.9	31.7	16.5	14.8	5.16	49.8	46.4	34.7	22.8	Oct 17	419	1975
1976	15.1	9.41	9.96	17.9	38.2	30.8	27.5	13.9	11.1	10.4	12.2	26.0	18.6	Dec 08	200	1976
1977	11.0	19.9	12.7	21.6	20.6	16.2	5.69	4.83	15.4	25.2	34.6	27.4	17.9	Nov 01	320	1977
1978	18.2	18.2	22.5	14.9	23.9	16.0	4.80	8.56	22.7	6.59	11.7	4.74	14.3	Nov 07	255	1978
1979	2.94	17.2	25.8	17.1	26.7	17.3	9.43	1.77	13.1	22.9	34.3	11.1	17.8	Dec 17	343	1979
1980	9.97	40.3	12.0	27.8	19.6	15.4	12.7	3.03	10.8	5.85	53.5	46.8	21.3	Dec 26	468	1980
1981	12.4	27.1	11.4	26.5	20.7	22.7	5.53	1.94	16.0	44.9	33.0	25.4	20.5	Oct 31	471	1981
1982	10.8	30.3	13.0	17.9	32.2	40.0	15.1	4.54	2.94	36.0	22.2	25.7	20.8	Dec 03	279	1982
1983	32.9	56.4	31.2	16.8	27.4	24.9	26.6	6.32	8.36	13.1	64.2	5.81	25.9	Nov 15	544	1983
1984	28.3	29.3	26.3	20.1	29.7	28.9	16.6	3.83	5.95	29.0	35.3	9.46	21.8	Oct 07	309	1984
1985	6.87	4.94	6.04	24.4	26.7	21.3	7.25	4.88	4.25	33.9	13.3	9.20	13.6	Oct 19	273	1985
1986	34.8	24.1	31.6	13.2	34.2	15.7	8.03	2.67	5.9	30.5	24.1	30.9	19.3	Feb 24	305	1986
1987	28.2	21.2	35.5	20.2	35.1	17.0	7.95	3.62	4.38	3.27	24.7	24.7	18.8	Dec 06	346	1987
1988	14.3	14.8	17.3	27.3	35.3	21.3	10.8	4.31	7.55	12.2	42.0	18.5	18.8	Nov 05	469	1988
1989	15.9	11.4	18.5	29.4	27.1	22.7	12.8	4.51	1.78	25.0	32.8	15.4	18.3	Nov 09	409	1989
1990	17.6	11.5	18.3	27.6	22.1	23.9	5.68	4.64	4.59	20.0	64.4	15.4	19.6	Nov 23	630	1990
1991	18.3	57.3	7.13	23.2	23.2	15.9	7.13	29.6	4.41	1.53	34.6	25.6	20.4	Aug 29	557	1991
1992	59.8	30.0	14.3	31.5	11.5	7.62	5.57	4.28	8.71	32.3	27.7	8.14	20.1	Jan 30	417	1992
1993	12.6	11.5	28.2	35.2	27.2	13.2	5.26	3.03	1.63	9.89	15.2	36.8	16.7	Dec 10	456	1993
1994	34.1	24.2	40.4	24.9	20.2	18.5	8.85	1.87	3.39	14.7	18.7	45.8	21.3	Dec 19	494	1994
1995	34.3	37.2	30.0	18.3	25.0	16.7	7.52	7.18	3.36	34.1	86.2	41.5	26.7	Nov 23	545	1995
1996	34.8	25.9	14.4	33.5	17.7	8.88	5.19	3.20	5.43	28.9	24.6	17.4	18.3	Jan 06	280	1996
1997	34.4	9.38	32.5	31.8	38.2	26.9	18.3	3.42	18.8	44.5	32.3	19.2	25.9	Mar 19	432	1997
1998	34.4	32.1	18.6	11.1	24.8	13.8	8.93	3.51	3.72	17.9	53.0	33.7	21.2	Dec 13	589	1998
1999	27.2	20.6	21.8	19.6	30.2	42.1	36.5	19.0	5.71	17.8	47.0	39.3	26.5	Nov 11	320	1999
2000	9.34	14.3	15.1	21.3	31.7	34.8	15.1	3.68	5.88	22.3	10.6	13.3	16.4	Oct 20	428	2000
2001	16.6	6.08	15.5	18.7	25.9	16.4	5.39	19.7	5.22	16.4	38.2	21.9	17.2	Dec 16	375	2001
Avg.	21.9	21.8	20.9	21.8	27.9	23.2	13.0	6.73	8.58	22.2	31.2	25.8	20.4		363	2.02 m³/s
S. D.													3.36		123	0.709 m³/s
Normal	21.7	22.7	21.0	21.9	27.6	22.5	13.4	6.47	8.02	20.8	32.1	25.1	20.2			
Normal	337	323	327	330	430	340	208	101	121	324	483	391	3710	10-Year	531	1.21 m³/s



CHAPMAN CREEK ABOVE SECHLT DIVERSION 08GA060

Location: 49°28'56"N, 123°42'39"W

Median Elevation = 958 m 7-Day Low Flow

Drainage Area = 66.4 km²

Monthly and Annual Discharge in m³/s

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year
1966	8.1	2.1	3.3	5.1	6.6	7.2	3.1	0.48	0.46	4.8	8.1	18	5.65	Nov 28	130	1966
1967	4.2	4.8	5.2	1.8	8.6	11	2.5	0.35	0.54	22	4.9	6.5	6.03	Oct 07	140	1967
1968	21	5.0	7.1	2.0	8.8	9.7	4.2	1.5	2.4	9.7	5.3	4.9	6.81	Jan 14	210	1968
1969	2.5	2.3	2.7	8.8	15	8.0	1.2	0.67	1.6	3.8	4.5	5.5	5.08	Dec 13	96	1969
1970	5.3	3.1	2.9	3.7	3.8	3.8	0.94	0.383	1.94	3.80	5.67	2.74	3.16	Apr 09	70	1970
1971	4.94	5.74	2.11	3.29	10.8	10.2	6.59	1.20	2.06	3.97	4.82	1.12	4.72	Oct 25	46.2	1971
1972	1.59	2.88	9.60	4.80	9.83	9.31	5.77	0.568	1.90	4.98	4.98	7.04	4.91	Jul 12	60.9	1972
1973	5.21	3.07	2.19	2.34	8.00	6.59	2.07	0.526	0.857	3.96	4.16	8.09	3.93	Jan 15	63.7	1973
1974	4.89	2.19	6.15	5.26	9.03	11.4	10.0	2.18	0.946	0.692	6.07	5.66	5.39	Jul 17	75.6	1974
1975	2.06	1.29	3.31	2.38	8.30	8.72	3.45	3.15	0.630	10.8	10.5	7.80	5.20	Oct 17	94.3	1975
1976	3.37	1.56	1.69	4.19	10.4	9.28	7.16	3.14	1.71	3.03	2.90	6.09	4.56	Dec 08	58.3	1976
1977	2.33	4.04	1.90	5.48	5.90	3.34	1.52	0.636	1.97	4.95	6.37	4.97	3.68	Nov 01	80.7	1977
1978	4.02	4.53	5.04	4.02	6.26	4.02	1.08	2.72	4.19	1.66	2.85	1.18	3.45	Nov 07	85.8	1978
1979	0.661	2.28	4.83	3.75	7.87	4.86	2.12	0.502	2.96	4.28	1.81	10.6	3.90	Dec 17	93.4	1979
1980	2.38	9.56	2.47	5.83	4.93	4.14	3.87	0.870	2.75	1.36	11.3	11.2	5.02	Feb 26	102	1980
1981	3.09	6.05	2.73	5.52	6.12	4.77	1.03	0.538	2.90	9.00	8.39	6.20	4.68	Oct 31	148	1981
1982	2.10	6.02	2.05	3.21	8.80	11.2	3.66	0.704	1.08	9.81	4.63	5.25	4.87	Oct 22	93.7	1982
1983	8.26	11.3	7.21	4.58	7.95	6.34	5.83	1.48	3.28	3.32	25	7.3	7.57	Nov 15	133	1983
1984	5.42	3.92	5.22	4.07	7.15	8.22	3.90	1.08	1.82	6.04	5.78	2.38	4.66	Oct 09	71.9	1984
1985	1.76	1.02	1.09	5.05	7.55	5.58	1.04	0.473	1.03	5.94	2.38	1.66	2.89	Oct 20	69.4	1985
1986	6.76	5.77	7.10	3.26	8.81	3.72	1.67	0.427	0.891	1.18	3.96	5.99	4.13	Feb 24	77.5	1986
1987	4.47	4.96	7.80	5.19	8.62	3.86	1.20	0.304	0.218	0.308	4.50	5.30	3.89	Dec 06	85.2	1987
1988	2.37	2.89	2.73	6.45	10.3	6.13	2.43	0.570	1.49	2.78	11	6.0	4.53			1988
1989													3.7			1989
1990													5.1			1990
1991													4.8			1991
1992													4.4			1992
1993	2.5	2.3	5.1	8.5	5.8	3.0	1.4	0.61	0.27	1.0	2.7	6.7	3.33	Dec 10	62	1993
1994	7.2	3.4	7.3	7.0	5.9	4.7	1.1	0.40	0.60	2.1	2.8	6.4	4.07	Mar 02	62.0	1994
1995	11	6.0	3.8	2.3	3.1	2.7	0.75	0.59	0.39	5.7	12	14	5.16	Dec 13	140	1995
1996	6.0	5.8	3.4	8.7	5.0	2.0	0.70	0.33	1.2	6.9	4.8	2.3	3.93	Jan 14	46.4	1996
1997	8.2	2.7	5.4	8.0	9.3	7.6	2.3	0.63	4.5	10	7.2	4.2	5.87	Oct 10	62.8	1997
1998	7.1	6.4	5.5	6.4	5.7	2.5	1.3	0.37	0.29	2.0	5.3	6.2	4.08	Dec 13	70.8	1998
1999	5.4	3.1	4.3	4.9	8.5	12	10	3.9	0.86	1.4	7.4	3.7	5.50	Nov 11	57.0	1999
2000	1.7	2.1	2.6	5.6	9.1	9.9	3.3	0.55	1.0	5.4	2.2	3.4	3.91	Oct 20	68.7	2000
2001	3.9	1.0	3.0	4.3	6.8	4.2	0.98	3.8	1.5	8.4	14	13	5.48			2001

Avg.

S. D.

Normal

Normal

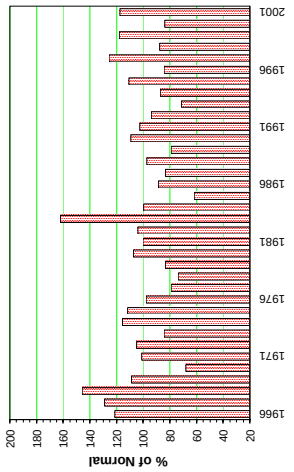
m³/s

m³/s

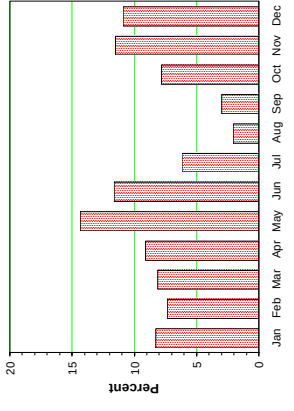
mm

10-Year

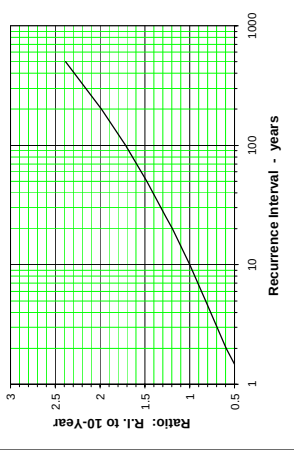
Annual Flow Variation



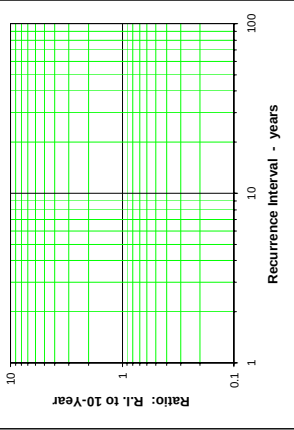
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



CHEHALIS RIVER NEAR HARRISON MILLS 08MG001

Location: 49°18'05"N, 121°56'12"W

Monthly and Annual Discharge in m³/s

Drainage Area =

383 km²

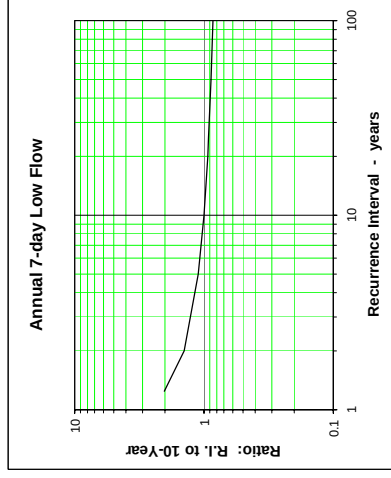
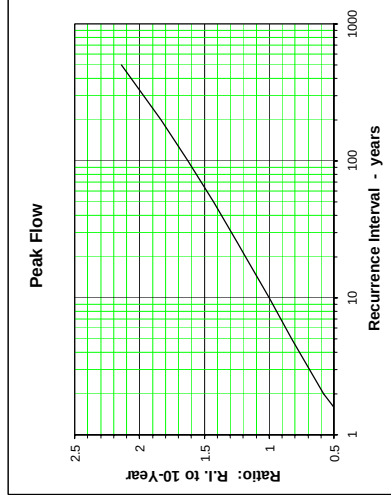
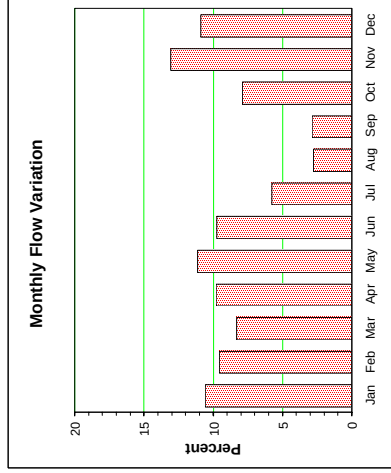
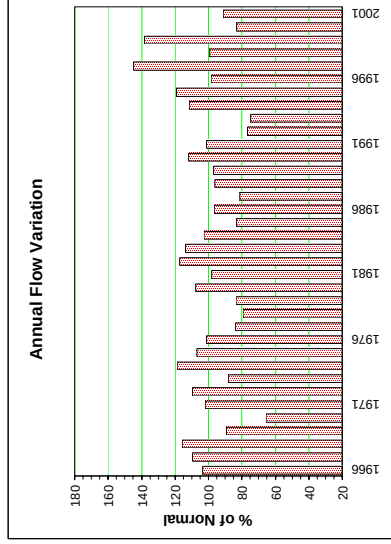
Median Elevation =

830 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year
1966													39			1966
1967													41			1967
1968													43			1968
1969													33			1969
1970													25			1970
1971													38			1971
1972													41			1972
1973													33			1973
1974													45			1974
1975													40			1975
1976													38			1976
1977													31			1977
1978													30			1978
1979												99.6	31			1979
1980	15.2	51.6	29.8	52.4	35.7	27.8	20.2	11.4	19.1	16.5	85.6	120	40.3	Dec 26	980	1980
1981	30.6	59.1	20.3	59.1	39.9	54.5	19.1	9.65	16.3	36	56	45	36.8	Feb 19	330	1981
1982	36	77	24.4	33.4	69.0	80.2	38.2	16.5	12.8	46.5	37.6	58.5	43.9	Dec 03	700	1982
1983	61	63	33	31	24	61	48	14	16	34	65	35	43	Nov 15	510	1983
1984	49	42	41	37	28	38	28	13	14	74	59	39	39			1984
1985	19	15.2	16.5	62.1	58.3	52.4	20.2	6.94	11.5	58.6	39.2	14.1	31.2	Nov 01	297	1985
1986	60.9	56.3	51.1	29.5	54.4	31.4	20.6	6.89	8.15	17.7	59.7	39.7	36.2	Nov 23	486	1986
1987	48.7	31.6	52.4	46.2	56.0	34.8	16.7	6.03	6.01	3.80	21.0	41.7	30.4	Jan 12	329	1987
1988	23.8	32.4	37.5	54.9	64.6	48.5	26.1	8.77	13.7	29.4	58.6	35.6	36.1	Oct 15	250	1988
1989	46.6	20.0	33.5	55.8	49.7	43.9	17.3	11.2	5.10	33.6	76.6	41.6	36.3	Nov 10	477	1989
1990	35.8	35.8	35.2	52.3	36.2	45.0	20.1	7.80	7.37	57.8	141	30.8	41.9	Nov 10	810	1990
1991	38.2	105	20.8	45.9	40.9	36.2	22.4	26.9	11.3	6.78	60.5	47.2	38.0	Feb/04	469	1991
1992	73.1	52.5	25.5	42.5	27.7	16.9	12.7	6.16	15.1	21.6	33.9	18.2	28.7	Jan 30	350	1992
1993	26.9	21.1	44.0	44.9	51.6	26.5	13.9	11.2	4.95	16.3	24.9	49.5	28.1	Mar 22	277	1993
1994	71.2	46.3	73.3	49.1	37.7	40.1	18.7	5.59	6.62	28.9	36.9	85.7	41.7	Dec 20	596	1994
1995	47.5	79.0	41.6	32.9	44.0	26.4	17.0	15.1	6.62	51.5	132	45.6	44.6	Nov 29	535	1995
1996	83.3	49.6	32.7	53.4	39.0	23.7	15.3	10.1	21.1	46.2	43.0	25.7	36.9	Jan 15	276	1996
1997	77.8	39.6	60.2	57.6	77.4	64.2	43.3	14.6	37.7	70.0	59.5	47.6	54.2	Mar 19	460	1997
1998	53.0	38.7	39.0	23	46	41	30	8.1	6.6	27	76	58	37			1998
1999	70.5	37.3	36.6	39.2	62.8	83.9	65.3	34.1	17.2	35.4	73.4	65.6	51.9	Jan 14	360	1999
2000	20.9	24.5	27.5	43.7	67.0	63.1	27.1	13.4	17.7	26.2	21.4	21.9	31.2	Jun 12	206	2000
2001	31.9	16.3	31.9	34.6	50.1	34.5	15.8	22.6	13.2	39.2	72.2	47.3	34.2	Dec 16	493	2001
Avg.	46.4	45.2	36.7	44.5	49.6	44.3	25.3	12.7	13.1	35.3	60.6	48.4	37.5		460	m ³ /s
S. D.													6.37		197	m ³ /s
Normal	47.1	46.6	36.9	45.0	49.5	44.7	25.7	12.3	13.1	35.1	60.0	48.4	37.8			m ³ /s
Normal	329	297	258	304	346	303	180	86	88	245	406	339	3110	10-Year	720	m ³ /s



COQUITLAM LAKE INFLOW

(Monthly Reservoir Data provided by BC Hydro is preliminary and subject to revision)

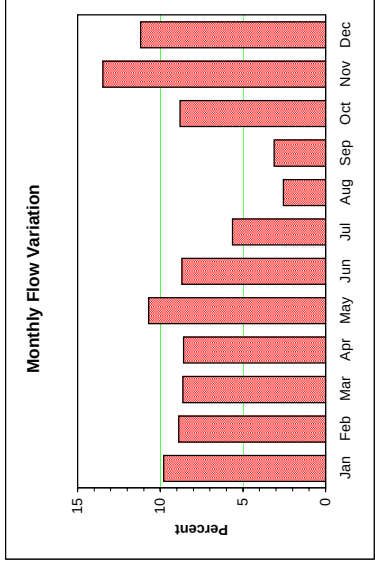
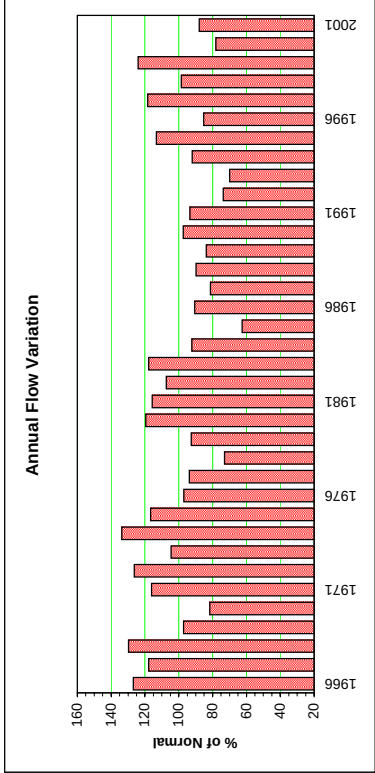
Location: 49°21'19"N, 122°46'24"W

Monthly and Annual Inflow in m³/s

Drainage Area = 186 km²

Median Elevation = 809 m

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	% of Normal	Year
1966	28.0	16.7	26.9	26.3	32.0	34.0	21.5	7.93	10.5	31.1	34.0	68.5	28.2	127	1966
1967	38.8	22.9	19.0	10.2	35.1	39.9	16.7	6.51	7.93	63.1	19.0	34.0	26.2	118	1967
1968	48.4	38.8	39.1	16.7	26.9	30.6	17.3	9.06	18.1	40.8	33.1	27.5	28.9	130	1968
1969	9.77	11.6	21.1	33.8	42.6	29.0	10.7	6.94	27.3	20.7	21.6	24.0	21.6	97	1969
1970	19.9	17.8	17.5	25.7	18.3	20.0	9.00	4.16	16.0	18.4	25.7	25.9	18.2	82	1970
1971	33.0	33.7	20.0	19.5	39.0	38.6	29.3	12.5	15.1	27.3	32.8	10.0	25.8	116	1971
1972	17.6	31.5	56.8	27.0	37.8	28.0	31.3	5.83	13.1	37.1	30.0	54.4	28.1	126	1972
1973	30.1	18.3	15.3	12.3	33.3	31.3	10.1	3.60	9.63	34.2	31.1	49.3	23.3	105	1973
1974	42.8	22.6	38.7	26.1	45.2	46.0	39.0	10.4	6.03	4.36	40.6	34.3	29.7	134	1974
1975	14.4	10.6	18.3	10.0	33.3	27.8	15.1	17.2	3.65	55.6	56.0	48.0	26.0	117	1975
1976	22.7	15.1	13.3	19.7	36.3	30.6	28.5	19.7	13.0	13.4	14.3	31.7	21.6	97	1976
1977	14.6	22.4	18.4	21.2	23.2	16.9	5.10	4.84	18.0	26.4	47.0	33.4	20.9	94	1977
1978	18.2	19.8	21.8	16.0	22.7	15.6	4.16	11.4	28.0	11.8	16.8	9.49	16.2	73	1978
1979	4.53	27.7	29.7	18.4	24.9	18.6	11.9	2.21	15.5	22.8	10.6	60.8	20.6	93	1979
1980	11.3	47.1	18.9	31.0	19.3	19.3	14.8	4.62	17.4	8.89	65.6	62.9	26.6	119	1980
1981	13.4	34.9	14.8	38.5	25.2	33.6	7.79	1.98	15.6	58.0	37.5	29.4	25.8	116	1981
1982	20.0	45.2	14.5	21.1	27.6	37.0	18.8	6.17	5.13	37.7	25.0	30.4	23.9	107	1982
1983	38.8	52.2	28.2	14.6	22.7	27.5	31.5	5.07	10.2	15.4	64.7	6.88	26.2	118	1983
1984	33.7	25.8	18.6	18.0	25.5	13.4	14.1	3.00	10.1	32.8	38.7	12.9	20.5	92	1984
1985	6.40	7.67	7.16	28.7	21.0	18.0	9.77	4.45	5.07	37.6	13.5	7.56	13.9	63	1985
1986	37.2	26.2	30.9	11.8	34.5	14.6	9.15	2.41	4.02	10.6	29.3	31.1	20.1	91	1986
1987	31.5	19.5	35.2	21.9	33.9	15.9	7.59	0.96	0.000	0.623	26.6	23.4	18.1	81	1987
1988	16.0	18.1	20.5	28.0	35.4	23.8	12.1	3.20	7.50	15.8	41.9	17.8	20.0	90	1988
1989	23.6	10.0	15.5	27.9	25.1	19.0	11.1	6.31	0.99	23.5	40.9	19.1	18.6	84	1989
1990	21.8	17.1	20.1	27.0	20.0	26.6	7.11	3.28	2.35	25.9	70.8	19.0	21.7	97	1990
1991	23.4	52.5	7.19	24.5	25.1	17.2	7.79	28.4	0.000	0.821	38.3	27.2	20.8	93	1991
1992	50.0	22.0	9.43	31.6	11.3	7.82	4.53	0.227	7.53	22.3	21.6	9.15	16.4	74	1992
1993	13.6	5.83	27.2	34.6	29.2	14.0	7.22	2.12	0.000	6.99	14.7	30.7	15.6	70	1993
1994	32.3	24.4	36.8	21.4	15.5	15.5	6.60	0.510	3.96	16.6	22.9	49.0	20.5	92	1994
1995	32.0	36.1	24.7	14.8	19.7	14.4	7.84	9.63	2.86	33.8	71.1	36.5	25.2	113	1995
1996	35.0	25.2	12.7	35.9	21.3	10.8	7.09	0.453	5.21	32.3	25.5	16.9	19.0	85	1996
1997	43.5	14.9	35.1	34.7	34.7	26.2	16.1	2.60	13.7	38.6	33.1	22.0	26.3	118	1997
1998	34.4	27.0	20.2	12.4	23.5	16.6	12.8	1.04	-0.720	19.5	58.9	38.2	21.9	99	1998
1999	31.4	27.2	21.3	19.4	30.4	33.9	33.9	19.7	7.98	23.3	45.8	31.2	27.6	124	1999
2000	11.7	15.7	17.5	19.8	33.7	32.6	14.9	4.12	9.36	21.3	14.0	13.9	17.4	78	2000
2001	17.2	7.32	19.2	22.5	24.9	18.2	6.24	24.0	6.64	22.4	38.0	27.3	19.6	88	2001
Avg.	25.6	24.2	22.6	22.9	28.1	24.1	14.4	7.12	9.35	24.4	34.7	29.8	22.3		m³/s
S. D.	25.3	25.2	22.3	22.9	27.7	23.2	14.6	6.6	8.3	22.7	36.0	28.9	21.9		m³/s
Normal	364	331	321	319	398	323	210	95	116	327	501	416	3720		mm



COQUITLAM RIVER ABOVE COQUITLAM LAKE 08MH141

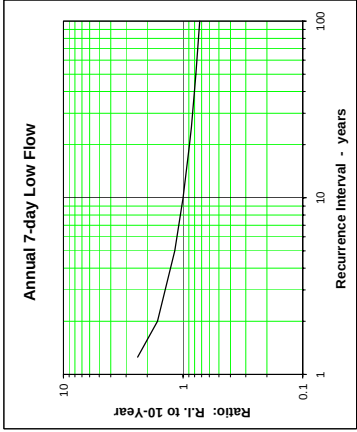
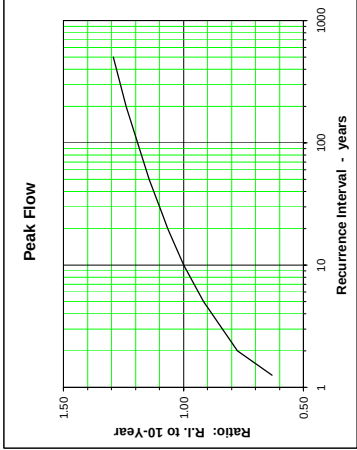
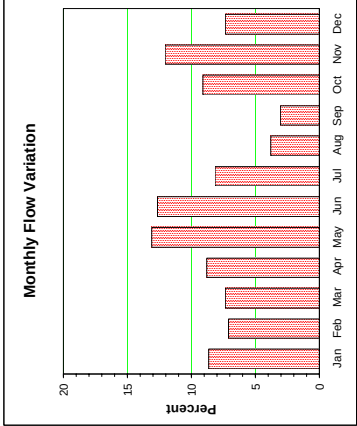
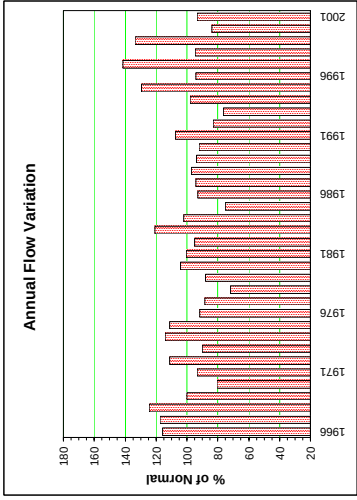
Location: 49°29'20"N, 122°47'29"W

Median Elevation = 1050 m Instantaneous Peak Flow 7-Day Low Flow

Drainage Area = 50.2 km²

Monthly and Annual Discharge in m³/s

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966													7.6					1966
1967													7.8					1967
1968													8.2					1968
1969													6.6					1969
1970													5.3					1970
1971													6.2					1971
1972													7.3					1972
1973													5.9					1973
1974													7.5					1974
1975													7.3					1975
1976													6.0					1976
1977													5.8					1977
1978													4.7					1978
1979													5.8					1979
1980													6.9					1980
1981													6.6					1981
1982	2.26	4.29	3.0	5.0	9.58	16.0	7.96	3.08	2.25	10.3	4.84	6.55	6.26	Dec 03	78.8	1.31	0.948	1982
1983	8.49	13.3	7.56	4.88	9.73	11.9	11.1	2.95	3.36	4.65	16.4	1.90	7.96	Nov 15	132	1.11	0.742	1983
1984	7.81	6.40	5.98	3.86	8.49	11.3	7.79	2.70	4.33	11.4	8.64	2.29	6.75	Oct 07	120	1.57	0.933	1984
1985	1.75	1.37	1.39	7.77	10.9	11.1	4.33	1.37	1.96	11.3	3.66	2.30	4.95	Oct 19	97.2	0.873	0.683	1985
1986	9.35	6.98	9.83	3.70	11.9	7.93	4.08	1.27	1.70	3.66	6.53	6.61	6.13	Mar 07	97.5	0.607	0.463	1986
1987	7.64	5.00	10.2	7.08	13.4	8.82	4.47	1.24	1.80	1.04	7.74	6.23	6.23	Mar 04	91.8	0.784	0.310	1987
1988	3.55	3.72	3.96	8.41	13.4	11.6	7.63	2.40	2.62	4.79	10.8	4.23	6.42	Nov 05	147	0.906	0.822	1988
1989	4.56	2.47	3.79	8.55	9.63	11.1	5.23	2.82	1.00	8.42	11.1	5.56	6.20	Nov 09	130	0.849	0.666	1989
1990	4.19	3.38	4.14	7.52	7.10	9.75	4.08	1.64	1.03	8.27	18.3	3.67	6.08	Nov 23	147	0.558	0.517	1990
1991	7.06	16.8	1.89	6.76	8.62	7.95	5.18	11.2	1.48	0.635	10.9	7.50	7.09	Aug 29	173	0.612	0.324	1991
1992	13.2	6.82	4.85	11.5	4.72	3.53	2.52	1.08	2.53	7.81	5.61	1.61	5.47	Apr 29	180	0.398	0.398	1992
1993	3.15	2.30	6.11	8.75	12.1	6.31	2.87	1.49	0.484	3.67	3.93	9.03	5.04	Oct 23	138	0.403	0.364	1993
1994	9.24	4.83	11.8	7.59	8.28	8.29	3.93	1.04	1.29	4.92	4.10	11.9	6.46	Mar 02	143	0.590	0.590	1994
1995	9.30	10.0	7.24	4.97	10.4	8.43	4.68	3.37	1.37	10.4	22.1	10.4	8.54	Nov 08	176	0.619	0.619	1995
1996	9.42	8.07	4.74	10.7	7.22	6.18	4.73	1.40	3.27	8.91	6.92	3.38	6.23	Oct 04	130	0.781	0.566	1996
1997	10.8	3.17	8.29	10.5	15.3	13.9	8.87	3.02	8.53	14.1	10.0	5.14	9.34	Apr 16	118	1.16	1.16	1997
1998	7.90	7.05	5.07	3.86	8.89	7.40	5.69	0.884	0.374	5.32	13.20	9.41	6.25	Dec 13	153	0.334	0.334	1998
1999	5.38	4.78	5.09	5.43	8.80	15.9	16.4	10.3	3.40	6.80	14.20	6.95	8.81	Nov 11	109	2.65	1.33	1999
2000	1.68	3.10	2.89	6.55	11.5	13.6	7.64	2.71	3.26	6.96	3.55	2.98	5.54	Oct 20	135	1.10	0.810	2000
2001	4.63	1.49	4.76	6.20	9.20	8.05	4.00	8.92	2.46	6.44	12.38	5.06	6.16	Aug 22	115	1.01	0.673	2001
Avg.	6.57	5.77	5.63	6.98	10.1	9.95	6.16	3.24	2.42	6.99	9.74	5.64	6.60		131	0.911	0.653	m ³ /s
S. D.													1.09		28.1	0.521	0.277	m ³ /s
Normal	6.67	5.99	5.67	7.02	10.1	10.1	6.27	2.95	2.42	7.02	9.61	5.67	6.53		168	0.433	0.356	m ³ /s
Normal	356	291	303	362	539	519	335	157	125	374	496	302	4110	10-Year	mm			



JACOBS CREEK ABOVE JACOBS LAKE 08MH108

Location: 49°19'08"N, 122°32'49"W

Monthly and Annual Discharge in m³/s

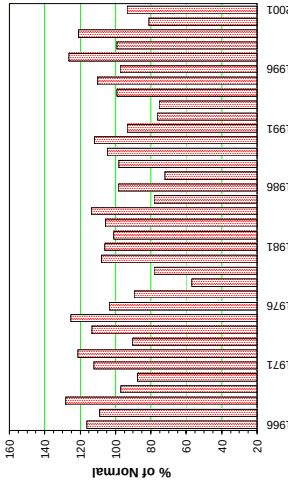
Drainage Area = 12.0 km²

Median Elevation = 518 m

Instantaneous Peak Flow 7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year	
1966	1.77	1.06	1.32	0.972	0.466	0.326	0.501	0.210	0.297	1.49	1.52	3.13	1.09	Dec 18	20	0.052	1966
1967	2.46	1.62	1.24	0.562	0.390	0.134	0.081	0.027	0.073	2.70	1.03	1.96	1.02	Oct 31	16.0	0.018	1967
1968	2.57	1.49	1.44	1.11	0.409	0.387	0.164	0.602	1.09	1.55	1.62	1.99	1.20	Sep 17	24.6	0.042	1968
1969	1.2	1.2	1.4	1.92	0.345	0.151	0.198	0.103	1.05	1.17	1.05	1.13	0.910	Sep 23	13.5	0.050	1969
1970	1.32	1.31	0.725	1.50	0.234	0.150	0.274	0.089	0.739	0.818	1.32	1.47	0.824	Apr 05	21.9	0.033	1970
1971	2.21	2.20	1.30	1.04	0.497	0.598	0.270	0.045	0.387	1.57	1.84	0.782	1.05	Oct 25	23.8	0.032	1971
1972	0.542	1.95	2.93	1.59	0.586	0.281	0.493	0.059	0.534	0.160	1.41	3.17	1.14	Mar 05	17.8	0.028	1972
1973	1.40	0.906	0.891	0.333	0.355	0.503	0.176	0.078	0.146	1.28	1.51	2.59	0.849	Oct 13	16.2	0.057	1973
1974	2.39	2.01	1.74	1.09	1.02	0.314	0.530	0.052	0.082	0.116	1.69	1.77	1.06	Feb 03	17.0	0.028	1974
1975	1.17	0.843	1.5	0.74	1.2	0.62	0.12	0.437	0.194	2.10	2.52	2.62	1.174	Nov 03	22.3	0.025	1975
1976	1.79	1.03	1.27	1.35	0.910	0.560	0.411	0.512	0.494	0.437	0.955	1.93	0.972	Nov 17	12.7	0.104	1976
1977	1.02	0.946	1.30	0.604	0.485	0.333	0.186	0.110	0.479	0.844	2.18	1.59	0.838	Jan 17	18.2	0.039	1977
1978	0.702	0.887	0.608	0.951	0.554	0.208	0.059	0.247	0.699	0.320	0.934	0.688	0.535	Nov 07	19.0	0.039	1978
1979	0.132	1.74	1.49	0.765	0.256	0.141	0.161	0.041	0.33	0.50	0.30	3.0	0.734		0.031	0.031	1979
1980													1.0				1980
1981													0.95				1981
1982													0.99				1982
1983													1.1				1983
1984													1.1				1984
1985													0.73				1985
1986													0.93				1986
1987													0.68				1987
1988													0.92				1988
1989													0.96				1989
1990													1.1				1990
1991													0.88				1991
1992													0.72				1992
1993													0.71				1993
1994													0.93				1994
1995													1.0				1995
1996													0.91				1996
1997													1.2				1997
1998													0.93				1998
1999													1.1				1999
2000													0.76				2000
2001													0.88				2001

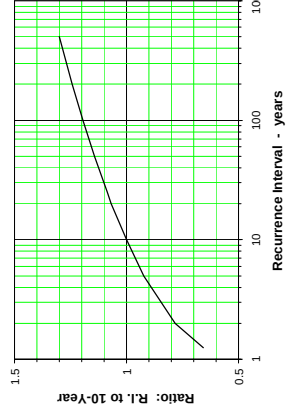
Annual Flow Variation



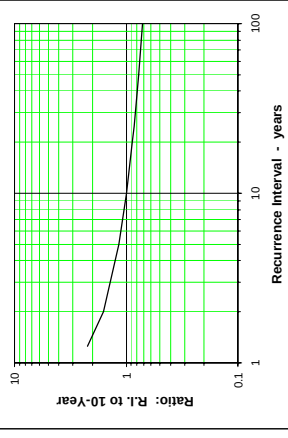
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



KANAKA CREEK NEAR WEBSTER CORNERS 08MH076

Location: 49°12'25"N, 122°32'05"W

Monthly and Annual Discharge in m³/s

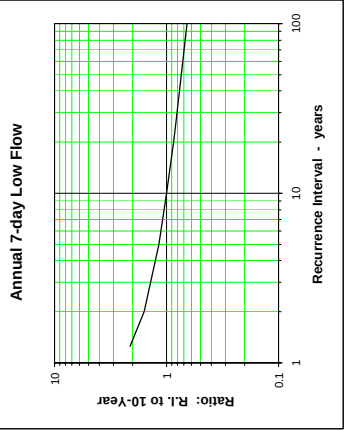
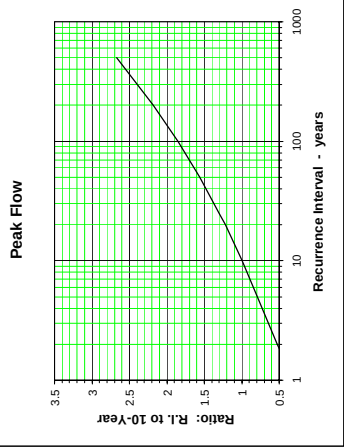
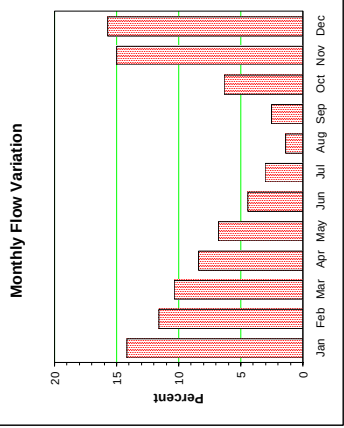
Drainage Area = 45.2 km²

Median Elevation = 230 m

Instantaneous Peak Flow

7-Day Low Flow

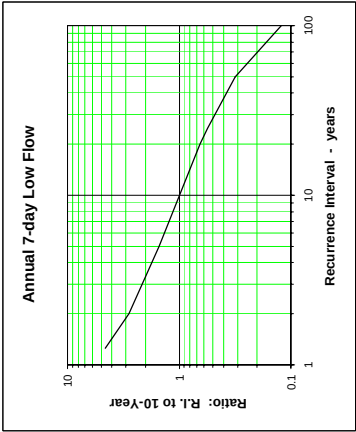
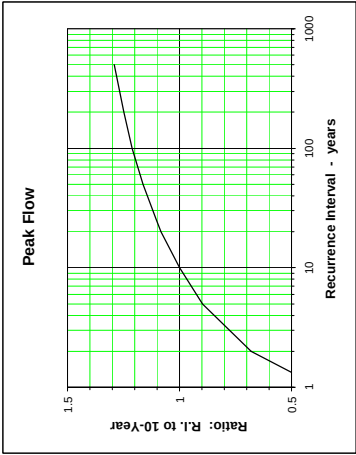
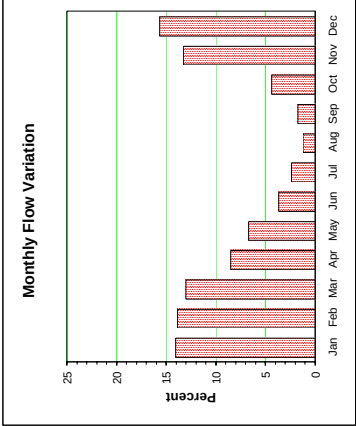
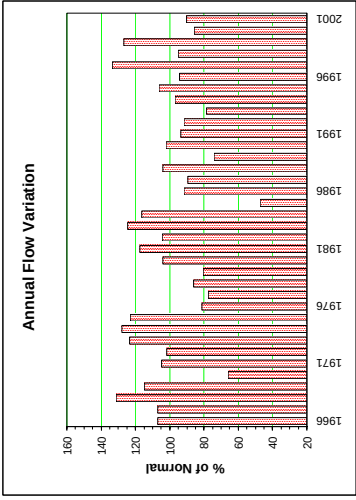
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Year
1966	558	273	301	261	181	0.737	1.24	0.325	0.732	3.83	4.64	9.32	3.06	Dec 13	70.8	0.163	1966
1967	735	491	288	201	208	0.940	0.268	0.105	0.146	4.73	4.31	5.42	2.92	Feb 03	38.5	0.095	1967
1968	896	524	632	297	1.26	1.20	0.560	0.713	2.59	4.48	4.25	4.52	3.59	Jan 20	110	0.133	1968
1969	380	257	375	490	2.04	0.856	0.603	0.333	2.45	3.15	3.24	3.94	2.63	Jan 05	89	0.156	1969
1970	477	356	195	378	1.17	0.818	0.872	0.257	1.71	1.77	3.60	4.77	2.40	Dec 06	51.0	0.171	1970
1971	895	619	436	279	2.12	2.30	1.27	0.190	1.02	4.04	5.85	3.89	3.57	Jan 26	77.9	0.170	1971
1972	491	725	851	406	3.03	1.35	3.59	0.220	1.26	0.48	2.84	1.83	3.90	Jul 12	100	0.172	1972
1973	329	243	253	1.33	1.09	1.16	0.316	0.229	0.415	2.55	4.82	6.52	2.22	Nov 28	62.3	0.166	1973
1974	666	590	528	3.91	4.08	2.00	1.33	0.255	0.284	0.310	3.58	5.69	3.26	Dec 21	76.2	0.179	1974
1975	438	289	289	1.47	2.34	1.17	0.242	1.04	0.293	5.55	6.85	11.4	3.39	Dec 08	101	0.117	1975
1976	601	330	310	3.92	3.01	2.15	0.984	1.40	1.75	1.44	2.42	4.43	2.83	Jan 15	42.5	0.195	1976
1977	376	250	351	2.12	1.50	1.08	0.805	0.371	0.899	1.93	5.73	5.75	2.50	Jan 17	81.0	0.110	1977
1978	270	314	212	2.23	1.68	0.717	0.190	0.982	2.56	1.06	3.38	3.18	1.98	Nov 07	57.2	0.116	1978
1979	0.866	465	367	2.34	1.13	0.487	0.308	0.109	0.676	1.17	0.950	12.3	2.38	Dec 14	146	0.093	1979
1980	174	490	325	2.50	1.16	2.41	1.61	0.694	2.11	0.822	8.11	9.39	3.21	Dec 26	112	0.165	1980
1981	166	467	276	5.44	1.89	4.27	1.01	0.259	0.791	4.48	5.31	4.36	3.05	Oct 01	68.3	0.190	1981
1982	717	954	256	3.27	2.28	1.19	1.66	0.642	0.607	2.02	4.07	4.87	3.28	Dec 03	107	0.219	1982
1983	641	475	221	1.97	1.25	1.34	3.88	0.180	1.65	1.54	7.92	1.29	2.85	Jul 12	88.8	0.105	1983
1984	927	402	379	2.79	3.74	1.58	0.703	0.877	0.677	2.36	5.36	3.61	3.20	Jan 04	108	0.124	1984
1985	133	260	156	4.20	1.81	1.21	0.121	0.132	0.867	4.34	3.75	0.442	1.85	Nov 01	70.5	0.063	1985
1986	440	59	288	2.53	3.40	0.569	1.18	0.124	0.638	0.736	5.14	3.58	2.57	Feb 24	120	0.083	1986
1987	370	273	409	2.31	2.33	0.649	0.554	0.151	0.089	0.108	1.77	3.24	1.81	Mar 03	54.0	0.075	1987
1988	217	376	338	4.03	3.57	1.41	0.489	0.171	0.526	2.20	6.14	4.43	2.68	Dec 12	55.2	0.079	1988
1989	553	129	479	4.63	3.05	0.973	0.415	1.16	10.4	2.00	11.6	3.66	3.28	Nov 10	260	0.132	1989
1990	541	636	318	2.84	1.31	2.84	0.348	0.219	0.382	2.87	10.4	7.57	3.62	Nov 10	97.0	0.089	1990
1991	461	508	195	2.93	2.18	1.41	0.345	1.64	0.540	0.247	3.97	4.09	2.40	Jan 13	58	0.158	1991
1992	655	311	0.693	1.96	0.690	0.937	0.205	0.883	0.992	0.92	4.38	2.56	1.96	Jan 23	60	0.111	1992
1993	430	101	287	3.80	1.93	1.65	0.626	0.236	1.62	0.831	3.35	3.35	1.87	Jan 25	74	0.103	1993
1994	425	311	368	1.88	0.607	1.12	0.612	0.099	0.612	1.91	4.43	5.58	2.32	Mar 01	38.9	0.079	1994
1995	375	463	282	1.50	0.666	0.31	0.543	1.10	0.197	3.35	7.36	5.12	2.58	Nov 14	40.4	0.107	1995
1996	39	334	172	3.47	2.25	0.442	0.210	0.341	1.74	3.95	4.34	3.52	2.43	Jan 14	44.4	0.079	1996
1997	667	359	628	2.71	3.20	2.15	2.45	0.179	1.38	3.21	2.94	4.49	3.28	Mar 19	62.6	0.085	1997
1998	448	240	296	1.25	1.69	0.618	0.495	0.123	0.141	1.64	7.36	6.27	2.47	Dec 29	42.3	0.083	1998
1999	554	568	331	2.03	2.69	2.40	1.80	0.805	0.456	2.02	5.62	5.55	3.14	Dec 15	54.2	0.176	1999
2000	294	232	354	1.61	4.14	2.59	0.634	1.25	1.25	1.37	1.91	2.63	2.10	Jun 14	30.1	0.147	2000
2001	275	136	270	2.53	1.52	1.57	0.369	1.05	0.679	3.29	3.64	5.13	2.22	Jan 05	36.4	0.186	2001
Avg.	474	398	335	2.85	2.11	1.40	0.932	0.458	0.930	2.30	4.82	5.14	2.74		77.4	0.130	m³/s
S. D.	458	410	333	2.79	2.20	1.47	0.989	0.456	0.840	2.05	5.00	5.07	0.569		42.0	0.043	m³/s
Normal	271	221	198	160	130	84	59	27	48	122	287	300	1910	10-Year	127	0.080	m³/s



LANG CREEK NEAR POWELL RIVER 08GB007

Location: 49°47'50"N, 124°22'48"W

Year	Monthly and Annual Discharge in m³/s												Drainage Area = 128 km²				Median Elevation = 303 m				Instantaneous Peak Flow				7-Day Low Flow				
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year	Year	Annual	Date	Annual	Jun-Sep	Annual	Year	Year	Annual	Jun-Sep	Annual
1966	8.66	5.36	5.89	3.86	1.43	0.962	0.728	0.277	0.387	2.02	6.14	18.9	4.56	Dec 14	40	0.135	0.135	1966	1966	4.56	Dec 14	40	0.135	0.135	1966	1966	4.56	0.000	0.135
1967	10.4	6.75	8.07	4.73	3.50	0.904	0.236	0.022	0.004	4.74	6.13	9.23	4.56	Dec 25	24	0.000	0.000	1967	1967	4.56	Dec 25	24	0.000	0.000	1967	1967	4.56	0.000	0.000
1968	14.1	6.03	9.27	2.78	2.28	1.10	1.29	1.05	1.71	5.04	11.0	11.4	5.60	Jan 19	51	0.434	0.434	1968	1968	5.60	Jan 19	51	0.434	0.434	1968	1968	5.60	0.000	0.434
1969	5.53	5.38	6.67	10.8	4.44	1.39	1.38	0.805	2.32	5.26	5.85	8.91	4.89	Dec 23	24	0.480	0.480	1969	1969	4.89	Dec 23	24	0.480	0.480	1969	1969	4.89	0.000	0.480
1970	5.39	4.57	2.80	2.44	1.42	0.640	0.296	0.142	0.515	1.44	5.39	8.68	2.80	Dec 17	24	0.052	0.052	1970	1970	2.80	Dec 17	24	0.052	0.052	1970	1970	2.80	0.000	0.052
1971	8.42	10.4	5.72	4.55	3.54	2.32	1.49	0.495	0.849	2.93	9.44	3.91	4.46	Jan 31	35	0.378	0.378	1971	1971	4.46	Jan 31	35	0.378	0.378	1971	1971	4.46	0.000	0.378
1972	3.35	5.09	14.1	5.35	3.40	1.58	2.25	0.554	1.03	0.806	5.75	8.75	4.34	Mar 18	40	0.263	0.263	1972	1972	4.34	Mar 18	40	0.263	0.263	1972	1972	4.34	0.000	0.263
1973	12.6	6.76	5.89	2.57	2.26	2.10	1.49	0.471	0.444	4.72	9.12	14.6	5.26	Jan 15	60	0.311	0.311	1973	1973	5.26	Jan 15	60	0.311	0.311	1973	1973	5.26	0.000	0.311
1974	9.98	8.81	13.0	7.40	7.25	3.42	1.76	0.554	0.264	0.167	4.09	8.84	5.45	Mar 28	51.0	0.132	0.132	1974	1974	5.45	Mar 28	51.0	0.132	0.132	1974	1974	5.45	0.000	0.132
1975	4.80	3.58	7.02	3.75	4.56	0.903	0.167	0.613	0.293	7.33	20.0	9.92	5.25	Nov 04	53	0.078	0.078	1975	1975	5.25	Nov 04	53	0.078	0.078	1975	1975	5.25	0.000	0.078
1976	7.04	4.21	5.07	6.04	3.80	4.08	2.27	0.788	0.764	1.02	2.52	3.97	3.46	Jun 16	19	0.272	0.272	1976	1976	3.46	Jun 16	19	0.272	0.272	1976	1976	3.46	0.000	0.272
1977	3.39	4.09	6.17	3.07	2.61	0.904	0.605	0.289	0.595	1.63	6.85	9.39	3.30	Dec 11	29	0.113	0.113	1977	1977	3.30	Dec 11	29	0.113	0.113	1977	1977	3.30	0.000	0.113
1978	6.68	7.74	6.54	6.27	1.84	0.983	0.343	0.592	3.46	1.57	4.31	4.12	3.67	Mar 08	30	0.188	0.188	1978	1978	3.67	Mar 08	30	0.188	0.188	1978	1978	3.67	0.000	0.188
1979	2.32	7.29	7.23	4.05	2.37	0.486	0.532	0.139	1.04	1.21	3.00	11.7	3.43	Dec 19	35	0.101	0.101	1979	1979	3.43	Dec 19	35	0.101	0.101	1979	1979	3.43	0.000	0.101
1980	5.20	7.57	5.37	4.67	1.83	2.06	3.87	0.457	0.645	1.25	9.52	10.9	4.43	Dec 27	40	0.286	0.286	1980	1980	4.43	Dec 27	40	0.286	0.286	1980	1980	4.43	0.000	0.286
1981	4.91	5.36	4.05	5.63	5.13	3.17	0.919	0.223	1.69	6.83	11.5	10.8	5.01	Nov 01	39	0.150	0.150	1981	1981	5.01	Nov 01	39	0.150	0.150	1981	1981	5.01	0.000	0.150
1982	5.92	10.0	5.16	5.04	3.87	0.943	0.649	0.073	0.128	5.12	6.76	10.1	4.45	Oct 24	29	0.036	0.036	1982	1982	4.45	Oct 24	29	0.036	0.036	1982	1982	4.45	0.000	0.036
1983	10.4	15.7	8.47	4.08	1.40	1.04	2.35	0.483	1.20	1.34	15.4	2.94	5.32	Nov 16	62	0.225	0.225	1983	1983	5.32	Nov 16	62	0.225	0.225	1983	1983	5.32	0.000	0.225
1984	8.13	8.28	6.24	5.27	5.56	1.84	0.666	0.396	0.563	3.77	10.5	8.36	4.95	Dec 14	24	0.190	0.190	1984	1984	4.95	Dec 14	24	0.190	0.190	1984	1984	4.95	0.000	0.190
1985	2.96	3.08	2.79	5.40	3.00	0.659	0.252	0.247	0.542	1.96	1.50	1.84	2.01	Apr 14	10	0.179	0.179	1985	1985	2.01	Apr 14	10	0.179	0.179	1985	1985	2.01	0.000	0.179
1986	9.99	6.54	6.75	3.34	5.66	1.61	0.814	0.655	0.851	0.863	2.90	7.02	3.91	Jan 19	37	0.473	0.473	1986	1986	3.91	Jan 19	37	0.473	0.473	1986	1986	3.91	0.000	0.473
1987	10.8	8.57	9.19	2.37	2.88	1.59	0.870	0.767	0.639	0.432	1.58	6.22	3.81	Jan 03	34	0.551	0.551	1987	1987	3.81	Jan 03	34	0.551	0.551	1987	1987	3.81	0.000	0.551
1988	4.36	5.71	4.78	6.18	4.86	2.31	1.00	0.957	1.20	1.33	12.1	8.62	4.43	Nov 06	30	0.724	0.724	1988	1988	4.43	Nov 06	30	0.724	0.724	1988	1988	4.43	0.000	0.724
1989	7.13	4.51	5.24	4.48	2.41	1.27	0.813	0.587	0.712	1.72	4.37	4.69	3.15	Dec 04	17	0.316	0.316	1989	1989	3.15	Dec 04	17	0.316	0.316	1989	1989	3.15	0.000	0.316
1990	6.70	8.93	5.18	3.42	2.30	6.39	1.24	0.779	0.790	1.66	6.88	8.43	4.35	Dec 04	37	0.530	0.530	1990	1990	4.35	Dec 04	37	0.530	0.530	1990	1990	4.35	0.000	0.530
1991	7.11	15.3	3.22	3.49	1.45	1.14	0.526	1.55	1.75	1.08	5.48	6.63	3.98	Feb 02	50	0.294	0.294	1991	1991	3.98	Feb 02	50	0.294	0.294	1991	1991	3.98	0.000	0.294
1992	13.4	12.7	3.98	2.38	1.92	0.972	0.922	0.720	0.486	1.67	4.55	3.61	3.91	Jan 30	56	0.389	0.389	1992	1992	3.91	Jan 30	56	0.389	0.389	1992	1992	3.91	0.000	0.389
1993	4.00	3.98	3.51	4.54	5.46	3.12	1.68	1.41	1.12	0.811	1.67	8.94	3.36	Dec 10	42	0.875	0.875	1993	1993	3.36	Dec 10	42	0.875	0.875	1993	1993	3.36	0.000	0.875
1994	7.22	7.56	10.1	3.60	2.10	1.73	1.37	0.762	0.953	1.38	4.64	8.37	4.14	Dec 20	42	0.709	0.709	1994	1994	4.14	Dec 20	42	0.709	0.709	1994	1994	4.14	0.000	0.709
1995	8.25	8.00	7.96	3.02	2.01	1.18	0.562	0.720	0.529	2.42	6.65	13.1	4.52	Dec 11	37	0.420	0.420	1995	1995	4.52	Dec 11	37	0.420	0.420	1995	1995	4.52	0.000	0.420
1996													4.0					1996	1996	4.0					1996	1996			
1997													5.7					1997	1997	5.7					1997	1997			
1998													4.1					1998	1998	4.1					1998	1998			
1999													5.4					1999	1999	5.4					1999	1999			
2000													3.6					2000	2000	3.6					2000	2000			
2001													3.8					2001	2001	3.8					2001	2001			



MACKAY CREEK AT MONTROYAL BOULEVARD 08GA061

Location: 49°21'22"N, 123°05'54"W

Monthly and Annual Discharge in m³/s

Drainage Area = 2.66 km²

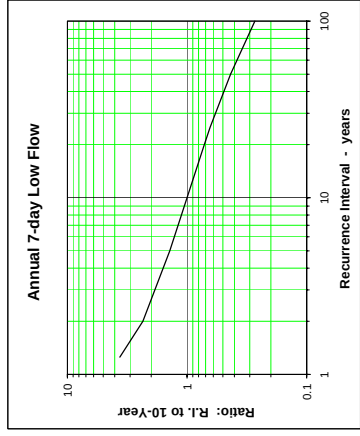
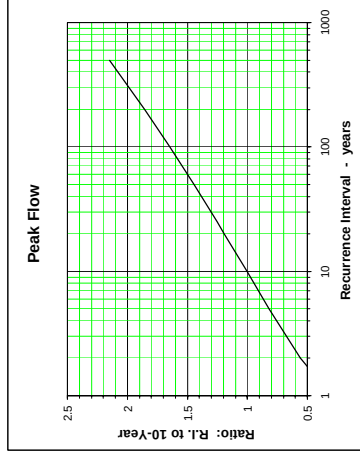
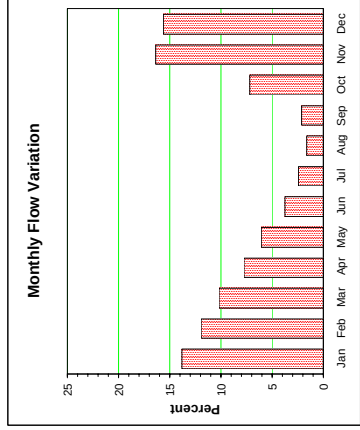
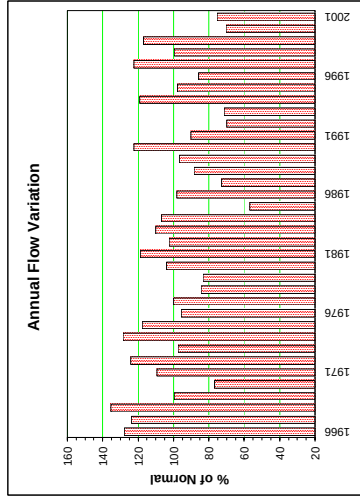
Median Elevation =

290 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966													0.31					1966
1967													0.30					1967
1968													0.33					1968
1969													0.24					1969
1970													0.19					1970
1971	0.51	0.587	0.354	0.188	0.163	0.124	0.11	0.06	0.07	0.382	0.514	0.163	0.266	Oct 25	4.76			1971
1972													0.30					1972
1973	0.48	0.20	0.245	0.109	0.145	0.190	0.037	0.03	0.020	0.223	0.462	0.70	0.236			0.010	0.010	1973
1974	0.466	0.560	0.439	0.317	0.514	0.175	0.182	0.022	0.514	0.023	0.463	0.313	0.236	May 25	6.80	0.019	0.013	1974
1975	0.341	0.268	0.305	0.127	0.172	0.093	0.033	0.096	0.044	0.683	0.592	0.671	0.286	Oct 17	10.3	0.027	0.027	1975
1976	0.452	0.330	0.280	0.271	0.245	0.173	0.064	0.090	0.123	0.089	0.192	0.477	0.232	Dec 26	3.26	0.031	0.028	1976
1977	0.425	0.246	0.317	0.239	0.232	0.129	0.053	0.040	0.145	0.153	0.630	0.482	0.243	Nov 14	3.48	0.017	0.017	1977
1978	0.280	0.255	0.318	0.244	0.212	0.067	0.028	0.086	0.260	0.145	0.292	0.324	0.205	Nov 07	5.24	0.013	0.013	1978
1979	0.118	0.511	0.335	0.162	0.104	0.046	0.041	0.022	0.053	0.100	0.124	0.829	0.202	Dec 17	10.7	0.013	0.013	1979
1980	0.204	0.434	0.307	0.207	0.086	0.104	0.138	0.046	0.142	0.061	0.675	0.646	0.253	Dec 26	8.06	0.023	0.023	1980
1981	0.125	0.422	0.251	0.515	0.216	0.289	0.061	0.030	0.110	0.688	0.465	0.330	0.288	Oct 31	16.2	0.020	0.020	1981
1982	0.465	0.715	0.190	0.263	0.167	0.088	0.132	0.039	0.034	0.217	0.321	0.376	0.249	Dec 03	5.94	0.018	0.018	1982
1983	0.484	0.728	0.233	0.158	0.070	0.091	0.196	0.035	0.113	0.091	0.921	0.147	0.268	Nov 15	8.50	0.021	0.018	1983
1984	0.528	0.426	0.323	0.262	0.193	0.078	0.065	0.019	0.033	0.229	0.600	0.365	0.259	Jan 03	4.58	0.014	0.014	1984
1985	0.104	0.159	0.109	0.247	0.111	0.055	0.020	0.035	0.040	0.388	0.264	0.123	0.138	Nov 01	4.37	0.016	0.015	1985
1986	0.392	0.387	0.276	0.268	0.297	0.059	0.053	0.023	0.073	0.055	0.418	0.571	0.239	Nov 23	7.73	0.015	0.015	1986
1987	0.521	0.262	0.337	0.158	0.163	0.063	0.067	0.012	0.011	0.009	0.216	0.304	0.177	Jan 11	3.44	0.004	0.002	1987
1988	0.196	0.325	0.313	0.282	0.244	0.112	0.018	0.019	0.039	0.114	0.586	0.345	0.215	Nov 05	7.85	0.005	0.005	1988
1989	0.483	0.190	0.304	0.295	0.151	0.072	0.067	0.044	0.014	0.087	0.308	0.098	0.235	Nov 09	11.2	0.008	0.005	1989
1990	0.455	0.444	0.305	0.198	0.184	0.216	0.027	0.021	0.018	0.183	0.916	0.623	0.298	Nov 10	9.41	0.010	0.010	1990
1991	0.282	0.448	0.134	0.295	0.097	0.036	0.032	0.308	0.066	0.026	0.539	0.364	0.219	Dec 09	6.10	0.017	0.017	1991
1992	0.622	0.178	0.058	0.119	0.077	0.062	0.036	0.017	0.052	0.15	0.50	0.16	0.170			0.012	0.012	1992
1993	0.395	0.073	0.266	0.303	0.164	0.082	0.037	0.024	0.007	0.050	0.183	0.541	0.173	Dec 03	4.09	0.004	0.004	1993
1994	0.470	0.448	0.503	0.199	0.131	0.176	0.078	0.011	0.032	0.174	0.470	0.791	0.290	Mar 01	8.77	0.006	0.006	1994
1995	0.374	0.467	0.280	0.232	0.065	0.028	0.031	0.083	0.029	0.315	0.800	0.175	0.238	Nov 23	11.1	0.013	0.013	1995
1996	0.330	0.251	0.155	0.356	0.163	0.030	0.017	0.013	0.040	0.364	0.405	0.380	0.208	Nov 12	3.59	0.010	0.010	1996
1997	0.620	0.283	0.562	0.227	0.163	0.143	0.182	0.057	0.126	0.375	0.322	0.491	0.297	Jan 30	5.93	0.043	0.043	1997
1998	0.509	0.351	0.244	0.077	0.096	0.043	0.044	0.041	0.013	0.145	0.64	0.73	0.242	Dec 12	4.69	0.011	0.011	1998
1999	0.645	0.571	0.347	0.157	0.156	0.171	0.09	0.041	0.022	0.151	0.503	0.574	0.284	Jan 14	6.63	0.013	0.0104	1999
2000	0.272	0.170	0.349	0.213	0.179	0.054	0.023	0.06	0.06	0.178	0.173	0.253	0.170	Oct 20	2.62	0.016	0.016	2000
2001	0.262	0.106	0.168	0.191	0.187	0.059	0.114	0.046	0.046	0.230	0.289	0.509	0.184	Dec 15	5.20	0.024	0.024	2001
Avg	0.386	0.362	0.284	0.226	0.173	0.109	0.067	0.049	0.062	0.205	0.472	0.445	0.243		6.81	0.016	0.015	m³/s
S. D.													0.049		3.15	0.008	0.008	m³/s
Normal	0.391	0.371	0.288	0.227	0.172	0.110	0.069	0.047	0.063	0.204	0.478	0.442	0.240					
Normal	393	340	290	222	173	107	69	47	61	206	466	445	2850	10-Year	11.0	0.007	0.006	m³/s



MAHOOD CREEK NEAR NEWTON 08MH018

Location: 49°09'22"N, 122°50'31"W

Drainage Area = 18.9 km²

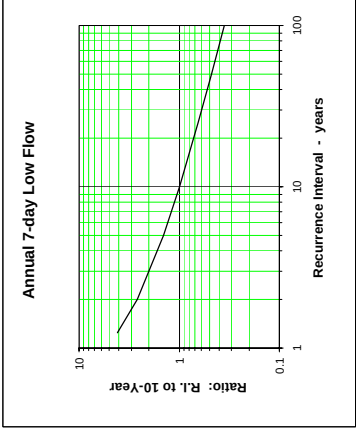
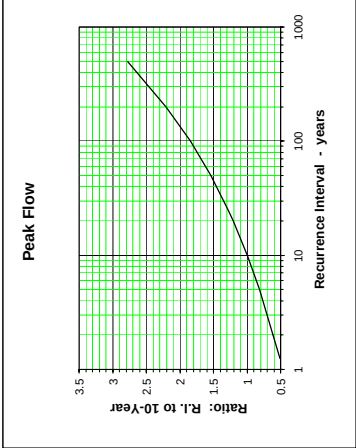
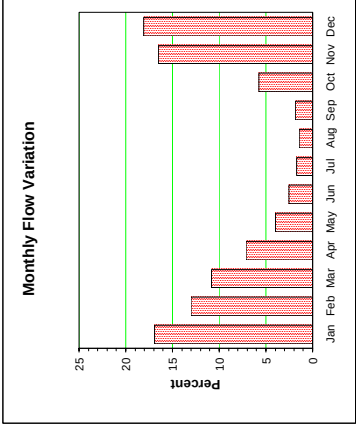
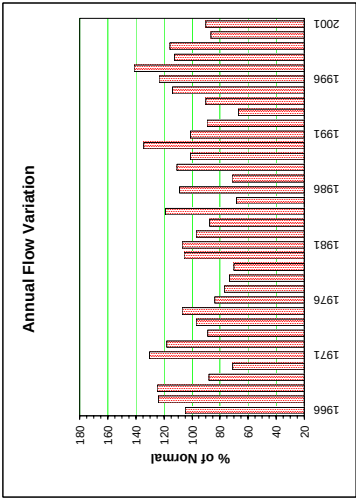
Median Elevation = 250 m

Instantaneous Peak Flow

7-Day Low Flow

Monthly and Annual Discharge in m ³ /s											
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
1966	2.20	0.524	0.598	0.103	0.028	0.022	0.024	0.001	0.027	0.373	1.22
1967	1.54	0.910	0.717	0.254	0.127	0.024	0.013	0.008	0.021	1.730	1.43
1968	2.05	0.638	1.14	0.318	0.093	0.031	0.056	0.056	0.215	0.736	1.82
1969	1.10	1.38	0.523	0.667	0.088	0.020	0.02	0.019	0.206	0.466	0.721
1970	0.869	0.598	0.337	0.771	0.095	0.05	0.04	0.015	0.054	0.149	0.551
1971	2.06	1.62	1.62	0.316	0.065	0.134	0.032	0.020	0.076	0.597	1.5
1972	1.4	1.5	1.5	0.71	0.20	0.06	0.35	0.04	0.11	0.10	0.58
1973	0.797	0.527	0.589	0.114	0.070	0.090	0.028	0.029	0.043	0.236	1.91
1974	1.5	1.3	0.80	0.614	0.503	0.21	0.08	0.04	0.01	0.036	0.599
1975	1.11	1.03	0.661	0.113	0.158	0.055	0.023	0.109	0.022	1.080	1.2
1976	1.54	1.12	0.808	0.587	0.196	0.139	0.049	0.119	0.133	0.149	0.308
1977	0.722	0.50	0.588	0.283	0.130	0.069	0.055	0.083	0.156	0.235	1.29
1978	0.764	0.97	0.421	0.641	0.245	0.101	0.024	0.143	0.233	0.078	0.671
1979	0.278	1.36	0.585	0.286	0.079	0.069	0.063	0.031	0.089	0.188	0.193
1980	0.572	1.00	0.706	0.477	0.153	0.326	0.262	0.103	0.277	0.146	1.48
1981	0.440	1.03	0.604	1.175	0.45	0.512	0.159	0.079	0.107	0.694	1.19
1982	1.65	1.83	0.478	0.485	0.116	0.057	0.114	0.082	0.075	0.213	0.825
1983	1.05	1.19	0.605	0.387	0.128	0.114	0.230	0.061	0.185	0.264	1.63
1984	1.84	1.16	0.748	0.531	0.566	0.197	0.067	0.061	0.148	0.424	1.24
1985	0.264	0.747	0.558	0.639	0.160	0.095	0.043	0.062	0.235	0.904	0.921
1986	1.28	1.12	0.648	0.69	0.53	0.14	0.17	0.05	0.12	0.21	1.3
1987	1.1	0.62	1.0	0.35	0.29	0.10	0.15	0.06	0.02	0.06	0.49
1988	0.61	0.87	0.88	0.76	0.51	0.34	0.09	0.10	0.23	0.48	1.7
1989	1.6	0.56	0.86	0.47	0.35	0.20	0.12	0.16	0.06	0.30	1.5
1990	1.7	1.5	0.80	0.44	0.24	0.80	0.07	0.12	0.11	0.41	1.9
1991	1.4	0.99	0.57	0.73	0.40	0.29	0.10	0.52	0.14	0.10	1.2
1992	1.9	0.87	0.21	0.44	0.15	0.23	0.13	0.07	0.18	0.27	1.2
1993	0.86	0.16	0.76	0.64	0.44	0.25	0.09	0.05	0.32	0.77	0.528
1994	0.93	0.81	0.77	0.31	0.10	0.14	0.03	0.03	0.396	0.93	0.93
1995	1.0	1.3	0.65	0.29	0.14	0.13	0.17	0.29	0.09	1.1	1.5
1996	1.3	0.97	0.33	0.98	0.43	0.06	0.04	0.05	0.27	1.7	1.3
1997	2.2	1.0	1.9	0.70	0.50	0.27	0.43	0.13	0.34	0.79	0.97
1998	1.3	0.53	0.56	0.19	0.46	0.15	0.13	0.07	0.07	0.38	2.1
1999											
2000											
2001											
Avg.	1.24	0.970	0.743	0.498	0.251	0.162	0.107	0.088	0.130	0.451	1.17
S. D.											
Normal	1.18	1.00	0.757	0.512	0.277	0.183	0.122	0.100	0.134	0.402	1.19
Normal	168	129	107	70	39	25	17	14	18	57	164

21.1	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029
8.50	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
30.2	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011



MURRAY CREEK AT 216 STREET, LANGLEY 08MH129

Location: 49°31'17"N, 123°00'10"W

Monthly and Annual Discharge in m³/s

Drainage Area = 23.7 km²

Median Elevation =

78.6 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966													0.71					1966
1967													0.80					1967
1968	1.4	1.8	0.660	1.42	0.136	0.008	0.004	0.007	0.149	0.415	0.795	1.03	0.79	Apr 18	25.8	0.002	0.002	1968
1969	1.13	0.765	0.377	0.755	0.094	0.009	0.007	0.008	0.017	0.043	0.477	1.47	0.646	Dec 06	21	0.001	0.001	1969
1970	2.27	1.36	1.36	0.401	0.049	0.174	0.019	0.007	0.015	0.331	1.6	1.2	0.428	Jan 26	23	0.007	0.007	1970
1971	1.50	1.87	1.87	0.860	0.169	0.020	0.293	0.023	0.034	0.045	0.595	2.19	0.726	Dec 25	24.9	0.010	0.010	1971
1972	0.871	0.600	0.508	0.097	0.032	0.023	0.019	0.015	0.020	0.095	1.32	1.49	0.788	Nov 28	14.9	0.010	0.010	1972
1973	1.72	1.64	0.959	0.569	0.348	0.160	0.015	0.011	0.011	0.032	0.405	1.54	0.423	Jan 24	15.0	0.010	0.010	1973
1974	1.82	2.02	1.24	0.147	0.178	0.019	0.008	0.036	0.010	1.190	1.68	2.48	0.613	Dec 02	25.7	0.004	0.004	1974
1975	1.83	1.16	0.680	0.626	0.120	0.139	0.025	0.027	0.053	0.084	0.395	0.871	0.898	Feb 11	15.0	0.004	0.004	1975
1976	0.882	0.903	0.932	0.343	0.064	0.077	0.012	0.018	0.024	0.166	1.34	1.66	0.499	Nov 25	21.1	0.015	0.015	1976
1977	0.863	0.781	0.527	0.532	0.253	0.031	0.006	0.014	0.079	0.062	0.838	0.970	0.498	Nov 07	15.1	0.007	0.007	1977
1978	0.271	1.64	0.671	0.502	0.062	0.018	0.010	0.008	0.018	0.055	1.04	2.19	0.410	Dec 17	25.5	0.004	0.004	1978
1979	0.699	1.45	0.801	0.576	0.050	0.249	0.127	0.009	0.037	0.037	1.73	1.78	0.456	Dec 26	22.3	0.006	0.006	1979
1980	0.558	1.31	0.755	0.970	0.365	0.779	0.054	0.020	0.025	0.618	1.1	1.1	0.624	Oct 31	13.2	0.006	0.006	1980
1981	2.71	2.80	0.514	0.554	0.044	0.012	0.021	0.008	0.009	0.041	0.687	1.45	0.627	Jan 23	49.2	0.011	0.011	1981
1982	1.58	1.49	0.795	0.497	0.170	0.014	0.143	0.016	0.042	0.117	2.22	0.40	0.725	Nov 24	28.8	0.005	0.005	1982
1983													0.616			0.005		1983
1984													0.76			0.005		1984
1985													0.44					1985
1986													0.65					1986
1987													0.41					1987
1988													0.68					1988
1989													0.69					1989
1990													0.80					1990
1991													0.61					1991
1992													0.55					1992
1993													0.43					1993
1994													0.54					1994
1995													0.70					1995
1996													0.72					1996
1997													0.88					1997
1998													0.63					1998
1999													0.77					1999
2000													0.50					2000
2001													0.55					2001

Avg. 1.34 1.41 0.843 0.590 0.142 0.115 0.051 0.015 0.036 0.218 1.01 1.45 0.627 22.7 0.006 0.006 m³/s

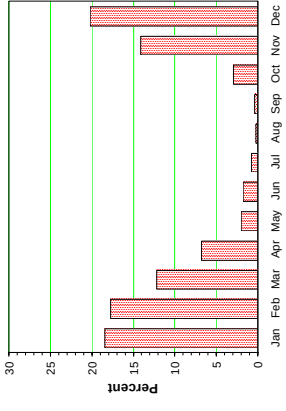
S. D. 1.35 1.43 0.893 0.513 0.146 0.132 0.058 0.016 0.029 0.217 1.07 1.48 0.622 8.88 0.004 0.004 m³/s

Normal 153 148 101 56 17 14 7 2 3 25 117 168 830 33.8 0.002 0.002 m³/s

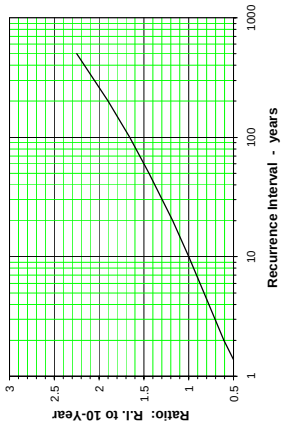
Annual Flow Variation



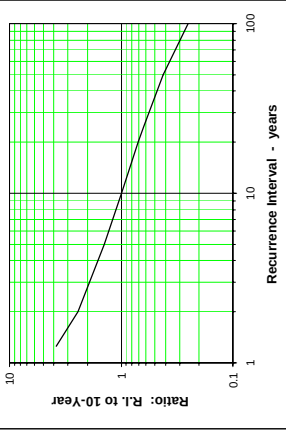
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



NICOMEKL RIVER AT 203 STREET, LANGLEY 08MH155

Location: 49°05'45"N, 122°39'31"W

Monthly and Annual Discharge in m³/s

Drainage Area = 68.5 km²

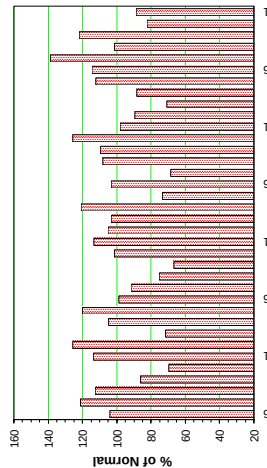
Median Elevation = 53 m

Instantaneous Peak Flow

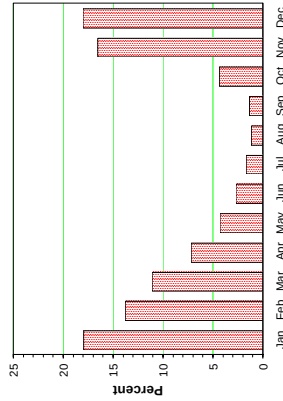
7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	5.1	2.1	2.6	1.1	0.23	0.15	0.23	0.14	0.21	2.0	3.5	7.2	2.1	Dec 13	25	0.11	0.11	1966
1967	7.4	3.7	3.0	1.2	0.35	0.17	0.14	0.11	0.13	4.3	3.4	4.9	2.4	Jan 19	35	0.10	0.10	1967
1968	4.7	3.3	4.0	1.2	0.39	0.50	0.19	0.25	0.47	3.2	4.1	4.5	2.2	Jan 19	39	0.13	0.13	1968
1969	2.8	3.8	2.2	3.6	0.45	0.21	0.19	0.20	0.66	1.6	2.5	2.4	1.7	Jan 06	24	0.15	0.15	1969
1970	2.1	1.9	1.2	3.1	0.36	0.17	0.16	0.12	0.32	0.37	2.3	3.5	1.4	Dec 06	28	0.11	0.11	1970
1971	4.9	4.1	4.4	1.3	0.32	0.80	0.31	0.14	0.26	1.4	5.1	4.3	2.3	Dec 17	26	0.12	0.12	1971
1972	5.1	5.6	5.5	2.7	0.72	0.20	0.13	0.18	0.32	0.31	2.0	6.0	2.5	Dec 26	38	0.15	0.15	1972
1973	2.9	2.0	1.9	0.42	0.23	0.23	0.17	0.13	0.18	0.48	3.7	4.6	1.4	Dec 15	25	0.11	0.11	1973
1974	5.4	3.8	3.0	1.9	1.4	0.78	0.29	0.16	0.15	2.1	1.7	5.2	2.1	Dec 21	28	0.13	0.13	1974
1975	5.1	4.8	2.4	0.58	0.64	0.13	0.13	0.28	0.17	3.64	5.3	6.3	2.4	Dec 02	32	0.11	0.11	1975
1976	5.9	4.3	2.5	2.2	0.53	0.71	0.29	0.36	0.59	0.59	2.0	3.6	2.0	Feb 12	28	0.23	0.23	1976
1977	3.0	1.7	2.9	1.1	0.32	0.46	0.19	0.25	0.49	1.0	4.6	5.6	1.8	Nov 25	31	0.12	0.12	1977
1978	3.1	2.8	1.7	1.7	0.95	0.33	0.17	0.28	0.54	0.32	2.9	3.2	1.5	Nov 07	30	0.12	0.12	1978
1979	1.0	4.8	1.7	1.2	0.20	0.21	0.11	0.10	0.16	0.27	0.37	5.9	1.3	Dec 17	35	0.07	0.07	1979
1980	1.9	4.1	2.6	1.6	0.46	1.0	0.62	0.16	0.32	0.34	5.7	5.5	2.0	Dec 26	32	0.11	0.11	1980
1981	1.4	3.9	2.0	3.2	1.4	2.6	0.39	0.26	0.23	2.1	5.2	4.4	2.2	Oct 31	26	0.15	0.15	1981
1982	6.1	7.5	1.9	1.8	0.35	0.20	0.26	0.26	0.24	0.51	2.6	3.7	2.1	Jan 23	36	0.14	0.14	1982
1983	5.1	4.4	2.3	1.6	0.68	0.51	0.67	0.13	0.38	0.75	6.8	1.5	2.0	Jan 07	35	0.09	0.09	1983
1984	7.2	3.5	2.6	1.6	0.29	0.52	0.29	0.26	0.29	0.66	3.9	5.0	2.4	Jan 04	67	0.16	0.16	1984
1985	2.4	2.41	1.43	2.60	0.886	0.478	0.246	0.228	0.344	2.06	3.78	0.922	1.45	Nov 01	47.6	0.166	0.166	1985
1986	4.85	4.56	2.77	2.12	2.00	0.336	0.300	0.194	0.290	0.394	3.70	3.26	2.05	Feb 24	73.1	0.178	0.178	1986
1987	3.39	2.10	3.08	1.52	0.974	0.373	0.268	0.195	0.191	0.211	0.745	3.22	1.36	Dec 09	36.5	0.162	0.162	1987
1988	2.68	2.45	2.61	2.69	1.65	0.536	0.230	0.199	0.486	1.51	5.57	5.16	2.14	Dec 30	46.8	0.160	0.160	1988
1989	5.54	3.22	3.22	1.82	1.40	0.405	0.300	0.410	0.240	0.775	7.14	3.06	2.17	Nov 10	71.1	0.211	0.211	1989
1990	4.88	4.98	2.34	0.870	0.466	1.64	0.213	0.229	0.252	1.09	8.51	4.73	2.49	Nov 10	71.9	0.165	0.165	1990
1991	4.23	3.65	1.89	2.39	0.922	0.590	0.317	0.881	0.473	0.358	4.63	3.13	1.94	Jan 12	42.8	0.168	0.168	1991
1992	6.22	3.24	0.769	1.81	0.566	0.363	0.470	0.221	0.366	0.579	3.50	3.22	1.77	Jan 23	38	0.176	0.176	1992
1993	3.63	0.651	2.26	2.86	1.32	0.970	0.350	0.235	0.168	0.352	0.617	3.30	1.40	Jan 25	52.6	0.149	0.149	1993
1994	3.12	2.67	3.08	1.17	0.365	0.331	0.338	0.170	0.350	0.744	3.95	4.80	1.75	Nov 29	35.5	0.154	0.154	1994
1995	3.25	4.04	2.21	1.21	0.366	0.365	0.410	0.567	0.232	1.83	7.49	4.89	2.22	Nov 08	64.8	0.190	0.190	1995
1996	3.90	3.81	1.27	3.42	1.55	0.251	0.239	0.264	0.421	3.10	4.78	4.29	2.27	Nov 28	73.7	0.137	0.123	1996
1997	7.83	3.24	5.38	2.07	1.93	1.29	1.61	0.328	0.720	2.28	2.89	4.37	2.75	Jan 30	76.7	0.196	0.196	1997
1998	4.45	1.77	2.42	0.827	1.23	0.411	0.392	0.249	0.291	0.862	5.18	5.98	2.01	Dec 29	45.2	0.187	0.187	1998
1999	4.94	5.47	2.84	1.25	1.19	0.575	0.582	0.364	0.257	1.08	4.34	6.34	2.42	Dec 15	72.6	0.236	0.236	1999
2000	3.13	2.29	2.92	0.847	2.36	1.84	0.439	0.293	0.518	0.848	1.40	2.68	1.63	Jun 12	22.3	0.257	0.257	2000
2001	2.54	1.08	2.18	1.43	0.879	0.642	0.255	0.339	0.368	2.09	3.41	5.59	1.76	Dec 14	71.9	0.176	0.176	2001
AVG.	4.23	3.40	2.59	1.78	0.909	0.593	0.363	0.259	0.335	1.23	3.88	4.31	1.98		43.5	0.152	0.151	m³/s
S. D.	4.22	3.55	2.60	1.74	1.00	0.651	0.397	0.266	0.330	1.02	4.01	4.23	0.377		17.8	0.042	0.041	m³/s
Normal	165	126	102	66	39	25	16	10	12	40	152	166	918	10-Year	67.2	0.101	0.100	m³/s

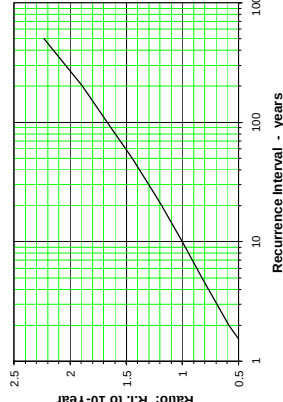
Annual Flow Variation



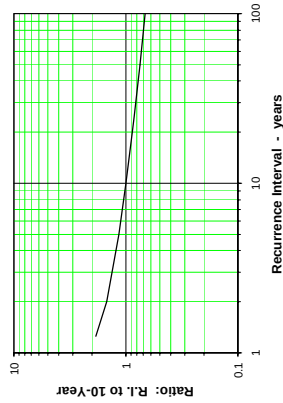
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



NOONS CREEK AT MERIDIAN SUBSTATION ROAD 08GA065

Location: 49°18'10"N, 122°49'22"W

Monthly and Annual Discharge in m³/s

Drainage Area = 2.63 km²

Median Elevation =

773 m

Instantaneous Peak Flow

7-Day Low Flow

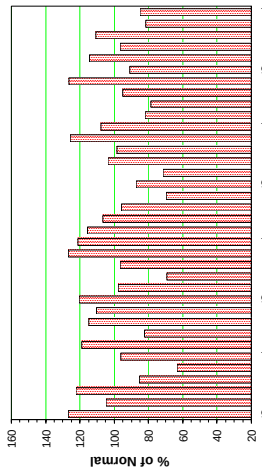
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year
1966	0.53	0.27	0.30	0.29	0.23	0.09	0.12	0.06	0.08	0.73	0.33	0.90	0.329	Dec 15	9.1	1966
1967	0.44	0.27	0.20	0.13	0.22	0.08	0.03	0.00	0.03	0.91	0.35	0.59	0.272	Oct 07	3.3	1967
1968	0.73	0.35	0.43	0.27	0.15	0.08	0.05	0.07	0.25	0.88	0.24	0.80	0.318	Jan 19	4.0	1968
1969	0.21	0.14	0.25	0.43	0.26	0.03	0.05	0.02	0.25	0.39	0.29	0.30	0.222	Oct 01	2.5	1969
1970	0.29	0.20	0.13	0.28	0.06	0.08	0.05	0.01	0.19	0.25	0.21	0.28	0.165	Apr 05	2.6	1970
1971	0.42	0.43	0.25	0.24	0.27	0.17	0.07	0.01	0.21	0.40	0.45	0.13	0.250	Oct 25	3.6	1971
1972	0.26	0.45	0.75	0.33	0.23	0.11	0.25	0.01	0.09	0.05	0.36	0.80	0.309	Jul 12	3.7	1972
1973	0.26	0.21	0.20	0.19	0.14	0.14	0.05	0.04	0.05	0.31	0.36	0.63	0.214	Dec 15	3.9	1973
1974	0.49	0.41	0.51	0.35	0.51	0.11	0.22	0.00	0.15	0.04	0.43	0.37	0.299	Feb 03	3.5	1974
1975	0.29	0.19	0.19	0.16	0.29	0.14	0.02	0.16	0.03	0.60	0.61	0.73	0.286	Dec 02	4.2	1975
1976	0.44	0.32	0.26	0.425	0.353	0.225	0.096	0.255	0.187	0.161	0.263	0.569	0.314	Dec 26	5.44	1976
1977	0.335	0.282	0.261	0.286	0.198	0.122	0.056	0.055	0.140	0.197	0.617	0.504	0.254	Jan 17	8.44	1977
1978	0.240	0.272	0.219	0.218	0.206	0.064	0.024	0.018	0.301	0.091	0.265	0.176	0.180	Nov 07	7.82	1978
1979	0.052	0.401	0.510	0.328	0.175	0.078	0.107	0.008	0.104	0.177	0.156	0.91	0.251	Dec 17	10	1979
1980	0.152	0.610	0.283	0.336	0.120	0.160	0.123	0.053	0.281	0.086	0.854	0.928	0.330	Dec 26	10.4	1980
1981	0.104	0.515	0.252	0.601	0.212	0.326	0.067	0.010	0.143	0.769	0.464	0.346	0.315	Oct 31	13.8	1981
1982	0.389	0.669	0.17	0.49	0.465	0.062	0.19	0.07	0.081	0.311	0.33	0.42	0.300	Dec 03	7.20	1982
1983	0.619	0.506	0.242	0.184	0.057	0.111	0.298	0.029	0.181	0.174	0.805	0.151	0.277	Jan 07	5.74	1983
1984	0.638	0.397	0.459	0.369	0.308	0.128	0.071	0.01	0.05	0.24	0.05	0.260	0.249	Jan 04	8.75	1984
1985	0.109	0.151	0.133	0.515	0.276	0.077	0.004	0.009	0.119	0.453	0.243	0.086	0.181	Nov 01	4.12	1985
1986	0.402	0.430	0.256	0.183	0.302	0.068	0.109	0.005	0.078	0.071	0.353	0.478	0.227	Feb 24	7.40	1986
1987	0.363	0.227	0.409	0.200	0.190	0.041	0.053	0.009	0.005	0.014	0.368	0.357	0.186	Mar 03	3.64	1987
1988	0.203	0.329	0.366	0.560	0.373	0.174	0.023	0.018	0.056	0.196	0.626	0.324	0.269	Nov 05	6.59	1988
1989	0.402	0.144	0.279	0.435	0.247	0.066	0.114	0.110	0.006	0.208	0.74	0.32	0.256	Nov 09	14	1989
1990	0.375	0.360	0.413	0.659	0.206	0.297	0.018	0.013	0.021	0.259	0.94	0.38	0.326	Nov 10	16	1990
1991	0.368	0.647	0.107	0.432	0.206	0.101	0.027	0.348	0.042	0.009	0.64	0.470	0.280	Nov 19	11	1991
1992	0.825	0.280	0.043	0.328	0.066	0.074	0.053	0.011	0.101	0.184	0.462	0.143	0.214	Jan 23	6.6	1992
1993	0.318	0.105	0.441	0.462	0.149	0.089	0.033	0.009	0.001	0.099	0.263	0.477	0.205	Nov 21	6.62	1993
1994	0.491	0.305	0.456	0.207	0.038	0.138	0.079	0.011	0.059	0.182	0.369	0.631	0.247	Mar 01	8.04	1994
1995	0.455	0.601	0.307	0.163	0.071	0.032	0.066	0.230	0.028	0.447	0.902	0.657	0.328	Nov 23	12.3	1995
1996	0.613	0.327	0.185	0.451	0.176	0.014	0.022	D					0.24	Jan 06	6.68	1996
1997													0.30			1997
1998													0.25			1998
1999													0.29			1999
2000													0.21			2000
2001													0.22			2001

Avg. 0.381 0.348 0.298 0.338 0.224 0.113 0.082 0.059 0.110 0.279 0.444 0.470 0.260 0.048 7.14 0.007 0.007 m³/s

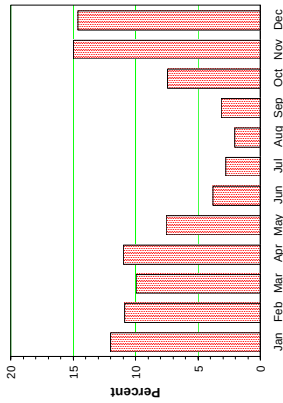
S.D. 0.370 0.368 0.306 0.350 0.232 0.120 0.086 0.064 0.100 0.229 0.477 0.449 0.261 0.261 3.61 0.010 0.008 m³/s

Normal 376 341 311 344 236 118 87 65 99 233 469 457 3130 12.2 0.001 0.001 m³/s

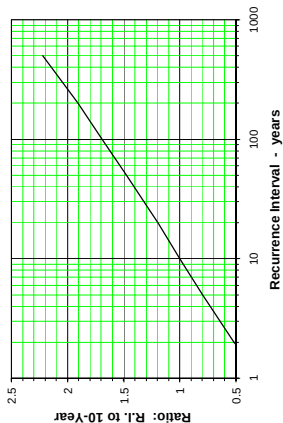
Annual Flow Variation



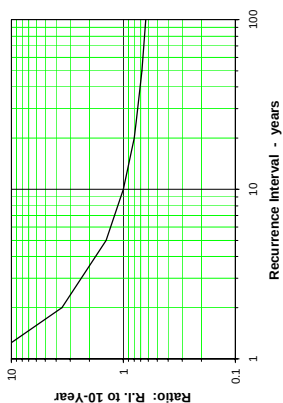
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



NORRISH CREEK NEAR DEWDNEY 08IMH058

Location: 49°11'25"N, 122°09'33"W

Monthly and Annual Discharge in m³/s

117 km²

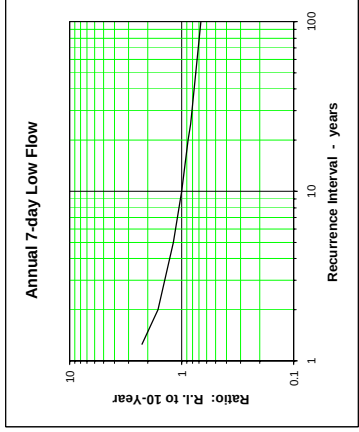
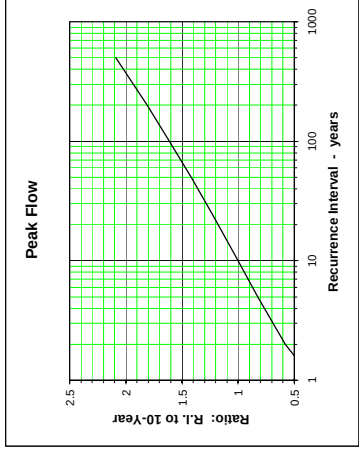
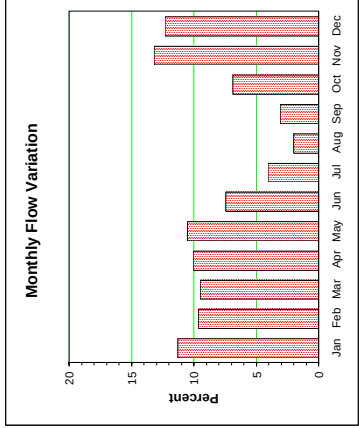
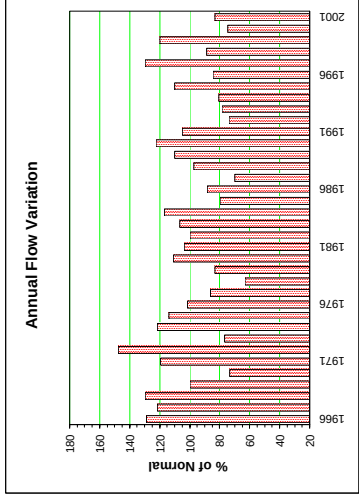
Median Elevation =

797 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year
1966	16.1	8.87	13.4	18.1	18.1	12.1	8.00	3.41	3.47	16.3	19.3	39.0	14.7	Dec 13	340	1966
1967	27.2	19.0	9.85	6.32	18.7	15.4	3.18	2.42	2.86	26.0	14.0	22.2	13.9	Dec 10	246	1967
1968	31.0	24.8	14.9	10.9	11.5	9.90	3.95	3.04	12.6	19.3	19.6	17.2	14.9	Jan 20	331	1968
1969	16	11	14	20	13	8.6	4.7	3.71	10.4	11.1	12.1	12.5	11.4	Jan 05	354	1969
1970	12.2	13.0	9.17	13.3	7.0	4.34	2.80	1.73	5.31	6.63	14.8	11.4	8.42	Apr 09	110	1970
1971	23.9	21.4	10.6	12.9	22.7	17.1	7.97	2.00	4.61	3.21	19.5	8.47	13.7	Jan 19	126	1971
1972	12.8	19.9	34.2	26.8	26.2	13.6	13.6	2.43	8.62	3.21	11.8	25.7	16.9	Mar 05	171	1972
1973	8.52	7.89	8.08	9.02	13.4	8.08	2.91	1.37	1.45	12.0	11.8	20.8	8.82	Oct 13	97.1	1973
1974	26.1	12.0	17.5	17.1	19.7	24.1	10.6	2.80	1.58	1.60	15.4	18.5	13.9	Dec 21	163	1974
1975	12.7	6.24	9.06	7.41	19.0	13.6	4.09	4.36	2.59	19.0	27.4	30.7	13.1	Dec 02	214	1975
1976	16.8	8.06	8.68	13.5	22.4	15.9	8.11	6.90	7.23	4.60	8.19	19.2	11.7	Dec 26	92.9	1976
1977	10.3	10.6	9.89	13.9	10.2	5.93	2.81	1.90	3.73	7.80	21.0	20.9	9.89	Nov 01	184	1977
1978	8.19	11.4	12.0	7.88	8.03	3.63	1.48	3.04	9.01	5.45	10.1	6.77	7.21	Nov 07	96.1	1978
1979	2.43	11.5	21.2	11.5	12.9	5.69	2.94	1.11	2.23	7.32	4.25	31	9.54	Dec 14	270	1979
1980	6.50	19.1	10.9	16.9	8.31	8.15	5.14	3.13	9.61	4.55	26.2	34.9	12.7	Dec 26	298	1980
1981	7.15	20.3	6.48	21.2	9.76	15.9	4.79	1.99	4.18	17.0	19.9	15.3	11.9	Oct 01	137	1981
1982	15.1	26.4	7.63	9.58	15.6	13.8	7.66	3.48	3.80	10.6	11.2	14	11.4	Dec 03	150	1982
1983	24.3	19.4	12.8	10.0	6.90	6.15	18.7	2.18	6.64	6.04	29.6	4.71	12.2	Jul 12	207	1983
1984	31	15	15	13	17	11	6.5	2.0	5.9	12	20	12	13.4	Nov 01	127	1984
1985	4.7	7.44	6.23	22.8	16.6	11.0	1.31	1.07	4.34	18.8	12.6	3.15	9.15	Feb 24	470	1985
1986	16	19	14	10.0	14	3.91	5.33	1.74	3.37	4.0	19	12.1	10.1	Mar 03	147	1986
1987	13.5	9.32	16.2	14.0	12.1	4.89	2.84	1.39	1.17	0.776	6.86	13.2	8.02	Dec 12	121	1987
1988	7.43	12.4	12.7	18.1	17.9	8.55	4.14	1.37	4.15	11	21.5	15	11.1	Nov 10	233	1988
1989	20.7	6.03	9.73	18.5	17.1	8.85	2.50	4.71	1.77	8.77	38.0	15.1	12.6	Nov 23	200	1989
1990	14.3	17.4	12.4	16.7	10.9	14.6	3.37	2.52	4.46	19.7	38	15	14.0	Nov 23	200	1990
1991	16.1	29.0	8.17	16	14.4	9.72	3.05	6.64	3.22	2.11	19.7	17.9	12.0	Feb 04	203	1991
1992	26.1	16.7	5.12	10.5	5.32	2.31	3.13	1.10	5.96	4.63	13.2	8.14	8.48	Jan 23	210	1992
1993	10.3	6.55	16.1	17.0	12.2	6.85	3.94	2.71	1.37	4.63	10.0	16.0	8.99	Mar 22	187	1993
1994	13.2	10.0	19.7	12.2	5.74	8.90	3.50	1.24	2.22	6.73	10.5	16.9	9.24	Feb 28	175	1994
1995	20	22	11	7.1	6.4	3.7	3.7	4.54	1.89	19.5	35.6	16.3	12.6	Nov 08	200	1995
1996	19.4	11.4	8.25	14.4	9.93	3.33	1.78	3.00	5.10	12.4	15.6	11.7	9.68	Jan 02	110	1996
1997	24.2	15.5	23.1	15.7	19.8	14.1	9.25	1.82	7.16	15.5	15.2	17.1	14.9	Mar 19	300	1997
1998	18.1	10.9	12.5	7.69	8.89	4.21	2.27	1.10	0.943	5.38	25.9	23.9	10.2	Nov 13	183	1998
1999	17.5	12.7	11.3	11.8	18.3	21.0	12.4	3.97	3.16	9.38	22.0	21.6	13.8	Jan 14	220	1999
2000	6.76	8.02	9.94	13.3	19.1	14.0	3.35	2.10	5.48	6.73	6.82	7.19	8.55	Sep 30	88.1	2000
2001	8.49	5.46	11.2	11.4	14.4	7.57	1.71	3.55	3.22	13.5	17.7	15.6	9.52	Dec 16	156	2001
Avg.	15.7	14.1	12.6	13.8	14.0	10.1	5.21	2.70	4.58	10.2	17.9	17.0	11.5		198	m³/s
S. D.													2.40		86.0	m³/s
Normal	15.1	14.1	12.7	13.9	14.0	10.2	5.44	2.64	4.23	9.16	18.2	16.4	11.3		311	m³/s
Normal	346	295	290	307	321	227	124	60	94	210	404	376	3060	10-Year	0.802	m³/s



NORTH ALOUETTE RIVER AT 232ND STREET, MAPLE RIDGE 08MH006

Location: 49°14'34"N, 122°34'42"W

Monthly and Annual Discharge in m³/s

Drainage Area = 34.4 km²

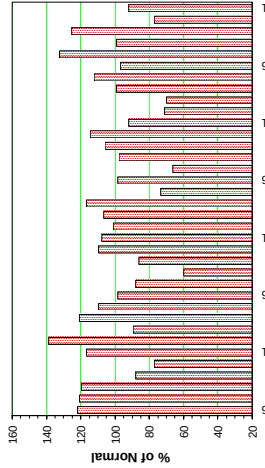
Median Elevation = 539 m

Instantaneous Peak Flow

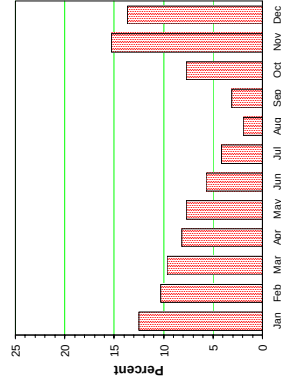
7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Year
1966	488	251	312	259	226	200	291	0.964	1.05	6.03	3.40	9.39	3.45	Oct 23	120	0.246	1966
1967	748	534	284	149	250	213	0.842	0.321	0.313	8.07	3.78	5.85	3.41	Feb 04	70	0.211	1967
1968	808	435	408	253	209	174	0.960	1.16	3.48	4.29	4.13	3.69	3.38	Jan 20	100	0.199	1968
1969	32	12	315	471	218	145	1.11	0.763	3.29	2.93	2.53	2.82	2.49	Jan 04	60.6	0.471	1969
1970	310	315	187	367	134	151	1.19	0.392	1.85	1.87	2.92	3.44	2.18	Apr 05	96.8	0.150	1970
1971	649	577	336	257	286	301	2.00	0.295	1.46	5.10	4.98	1.89	3.30	Oct 25	62.9	0.143	1971
1972	386	550	911	413	315	210	4.18	0.434	1.87	0.532	3.68	8.54	3.93	Jul 12	103	0.246	1972
1973	351	229	218	128	198	217	0.798	0.241	0.614	3.81	4.94	6.42	2.52	Oct 13	64.3	0.137	1973
1974	669	548	514	332	425	289	2.70	0.680	0.423	0.367	4.48	4.72	3.42	Dec 21	53.8	0.189	1974
1975	306	202	299	184	296	196	0.794	1.49	0.429	5.59	6.65	7.28	3.10	Nov 03	92.0	0.176	1975
1976	456	243	265	286	331	268	2.15	2.00	1.74	1.32	2.60	5.01	2.78	Nov 17	51.0	0.404	1976
1977	338	256	277	211	172	130	0.689	0.446	1.39	2.24	5.84	5.23	2.49	Jan 17	71.4	0.200	1977
1978	203	255	193	178	214	106	0.334	0.901	2.19	0.966	2.77	1.76	1.69	Nov 07	77.0	0.204	1978
1979	0721	417	443	224	163	113	0.717	0.155	1.01	1.90	1.35	9.84	2.44	Dec 17	107	0.123	1979
1980	148	482	275	261	160	196	1.43	0.854	2.43	0.906	7.49	9.24	3.10	Dec 26	118	0.209	1980
1981	127	482	253	605	230	393	0.838	0.213	1.00	6.15	4.38	3.31	3.04	Oct 31	107	0.147	1981
1982	405	711	195	283	239	205	2.22	0.902	0.839	2.67	3.73	3.94	2.86	Dec 03	80.4	0.385	1982
1983	561	436	236	206	172	204	4.77	0.211	1.68	1.71	8.56	1.36	3.02	Jul 11	124	0.108	1983
1984	850	389	398	274	356	233	1.31	0.342	1.18	3.15	5.46	3.09	3.30	Jan 04	126	0.174	1984
1985	128	196	130	460	222	205	0.414	0.298	1.34	5.51	3.31	0.761	2.08	Nov 01	70.6	0.112	1985
1986	441	579	318	255	381	0.856	1.27	0.151	0.897	0.892	5.42	4.41	2.78	Feb 24	162	0.084	1986
1987	327	250	370	250	248	0.989	0.745	0.175	0.132	0.199	2.77	3.06	1.87	Mar 03	31.2	0.062	1987
1988	203	379	345	392	389	1.88	0.903	0.272	0.708	2.36	6.17	3.91	2.76	Nov 05	50	0.091	1988
1989	547	137	331	347	304	219	0.878	1.03	0.189	9.34	3.13	3.13	2.99	Nov 09	96	0.122	1989
1990	412	449	355	333	159	268	0.648	0.392	0.357	3.28	10.9	3.82	3.24	Nov 11	140	0.144	1990
1991	371	568	150	315	223	135	0.667	2.77	0.538	0.240	5.60	4.12	2.60	Nov 11	70.3	0.152	1991
1992	655	290	0.750	256	0.856	0.676	0.786	0.302	1.19	1.33	4.07	2.28	2.01	Jan 23	78	0.118	1992
1993	347	112	317	389	231	120	0.650	0.331	0.141	1.31	2.36	3.76	1.98	Jan 25	50.8	0.122	1993
1994	530	383	456	217	104	172	0.779	0.145	0.568	2.43	4.57	6.55	2.80	Feb 28	63.6	0.110	1994
1995	454	454	253	162	146	0.842	0.835	1.51	0.334	4.42	9.14	5.29	3.17	Nov 08	94.9	0.166	1995
1996	559	316	178	387	244	0.651	0.387	0.447	2.38	4.76	4.24	3.15	2.74	Jan 14	41.5	0.130	1996
1997	722	303	593	309	362	332	0.323	0.238	2.38	4.40	3.75	4.68	3.74	Jul 08	106	0.175	1997
1998	431	270	264	134	206	1.11	0.855	0.150	0.093	2.07	9.70	6.60	2.80	Nov 13	132	0.050	1998
1999	579	540	313	195	305	322	2.49	1.64	0.705	2.86	6.02	6.39	3.54	Dec 15	69.6	0.307	1999
2000	225	214	316	155	478	306	1.10	0.341	1.47	1.85	2.14	2.31	2.18	Sep 30	26.3	0.210	2000
2001	255	117	277	271	216	148	0.369	1.94	0.774	4.14	4.51	6.46	2.60	Jan 05	40.6	0.221	2001
Avg.	427	362	317	282	247	191	1.35	0.692	1.18	2.89	4.95	4.65	2.83		81.9	0.181	m³/s
S. D.	415	375	319	280	255	195	1.38	0.648	1.06	2.56	5.23	4.53	0.548		33.3	0.092	m³/s
Normal	323	266	249	211	198	147	107	50	80	199	394	353	2580	10-Year	129	0.088	m³/s

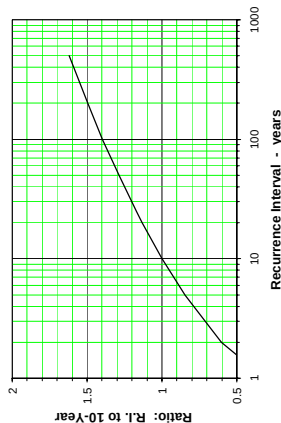
Annual Flow Variation



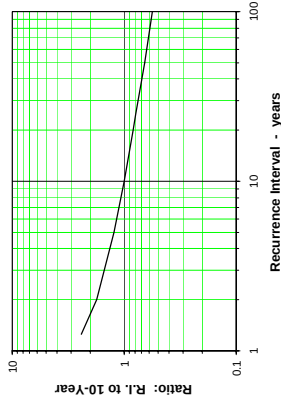
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



POWELL LAKE INFLOW

Location: 49°52'36"N, 124°33'10"W

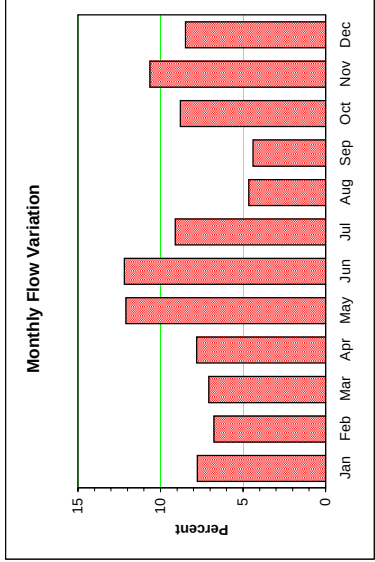
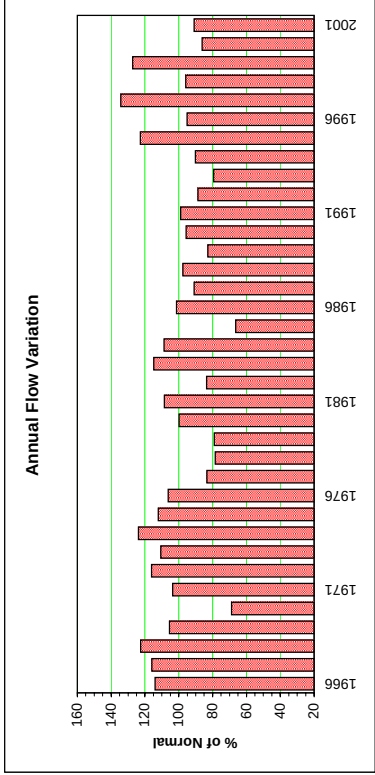
Monthly and Annual Inflow in m³/s

Drainage Area = 1240 km²

Median Elevation = 787 m

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	% of Normal	Year
1966	89.2	49.2	99.3	84.1	113	155	115	48.9	66.7	140	109	214	107	114	1966
1967	100	77.7	66.8	45.1	154	215	108	37.3	47.8	247	104	106	109	116	1967
1968	207	89.8	108	56.3	114	132	123	59.0	78.3	206	131	78.8	115	122	1968
1969	46.7	40.1	70.2	123	186	181	76.2	62.7	115	108	100	84.0	100	106	1969
1970	48.5	59.5	45.5	63.7	103	121	59.4	28.4	64.4	57.5	71.0	58.2	64.9	69	1970
1971	116	115	57.9	82.9	167	29.7	157	81.0	104	110	118	34.7	97.7	104	1971
1972	37.7	67.8	200	62.5	193	215	171	53.8	62.1	37.7	87.2	122	110	116	1972
1973	112	67.8	63.5	60.2	154	167	134	52.6	47.8	164	86.8	136	104	111	1973
1974	111	78.1	113	118	187	217	180	90.4	54.0	36.2	95.3	118	117	124	1974
1975	48.5	35.1	62.7	60.2	130	164	114	97.0	16.6	162	253	121	106	112	1975
1976	77.3	44.3	42.2	69.4	171	186	167	119	74.8	51.1	90.7	108	100	106	1976
1977	46.3	85.2	85.5	87.6	87.4	107	66.5	34.3	68.7	86.2	112	79.9	78.6	83	1977
1978	58.6	64.9	87.4	62.5	74.3	125	65.0	76.2	113	66.8	72.1	22.0	73.9	78	1978
1979	12.3	56.6	98.9	70.2	120	104	67.6	17.9	88.7	73.9	37.0	144	74.4	79	1979
1980	41.1	95.8	58.4	87.2	103	101	79.5	24.6	92.6	49.7	157	243	94.0	100	1980
1981	85.9	94.2	45.9	107	132	145	72.8	26.1	77.9	180	183	81.0	102	109	1981
1982	52.6	83.1	41.4	53.2	111	166	90.0	37.0	39.4	131	64.4	76.5	78.8	84	1982
1983	134	192	83.6	66.0	122	158	158	41.1	45.9	103	176	27.6	108	115	1983
1984	136	99.8	77.7	73.3	114	160	80.3	52.6	97.6	182	108	49.7	103	109	1984
1985	42.2	27.7	26.9	109	130	115	48.9	17.9	19.7	125	42.1	44.8	62.6	66	1985
1986	127	84.7	114	103	201	143	99.7	26.9	30.9	28.7	84.1	101	95.5	101	1986
1987	123	99.6	136	114	150	166	81.8	24.6	20.1	23.1	6.2	84.8	85.8	91	1987
1988	77.8	70.6	70.2	131	179	135	105	50.0	35.5	80.6	123	77.7	92.0	98	1988
1989	47.7	38.4	41.1	110	109	118	57.5	44.1	6.9	105	145	84.4	78.2	83	1989
1990	79.9	60.8	64.2	106	105	140	47.8	16.4	3.5	137	245	78.4	90.2	96	1990
1991	66.9	203	32.0	80.7	108	120	92.4	140	27.9	15.6	146	98.1	93.3	99	1991
1992	178	102	63.8	104	83.8	88.6	54.5	28.9	40.8	119	96.2	44.5	83.6	89	1992
1993	38.1	43.3	79.1	87.6	178	104	65.9	40.2	9.3	33.1	71.1	145	74.9	79	1993
1994	103	77.8	121	110	103	118	81.5	27.4	34.7	67.9	66.0	108	85.1	90	1994
1995	106	112	83.2	73.6	128	112	87.6	57.9	15.2	170	298	145	116	123	1995
1996	136	83.7	75.1	133	91.9	97.2	75.1	36.2	65.6	122	108	51.8	89.6	95	1996
1997	123	60.9	101	118	173	185	125	54.0	112	209	152	102	127	134	1997
1998	120	97.8	91.8	56.4	137	112	80.1	20.1	9.9	85.9	149	124	90.3	96	1998
1999	102	79.7	74.9	86.5	133	212	129	111	40.3	65.9	235	109	120	127	1999
2000	42.7	42.8	56.7	95.5	143	170	189	45.7	51.6	98.4	44.2	53.8	81.3	86	2000
2001	58.8	26.1	53.9	79.1	112	116	66.7	109	61.3	107	163	72.7	85.7	91	2001

Avg.	87.0	78.0	77.5	87.0	133	142	99.2	52.5	53.9	105	120	95.3	94.3	m³/s
S. D.	86.1	82.1	78.2	89.3	133.9	139.4	100.8	51.5	50.3	97.3	121.7	93.9	93.7	m³/s
Normal	186	162	169	187	289	291	218	111	105	210	254	203	2390	mm



ROBERTS CREEK AT ROBERTS CREEK 08GA047

Location: 49°25'15"N, 123°38'20"W

Monthly and Annual Discharge in m³/s

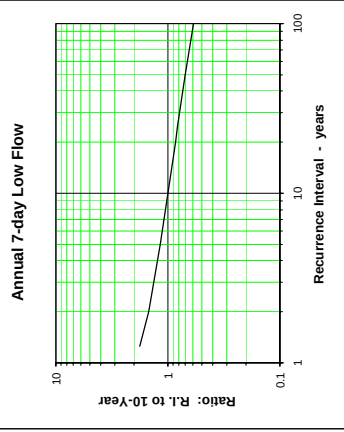
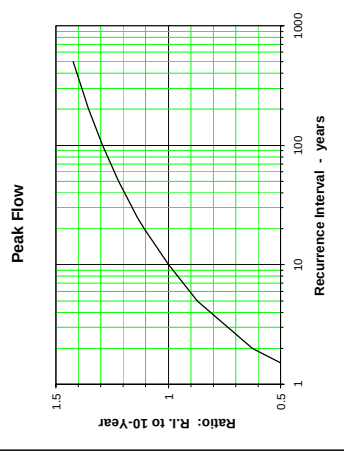
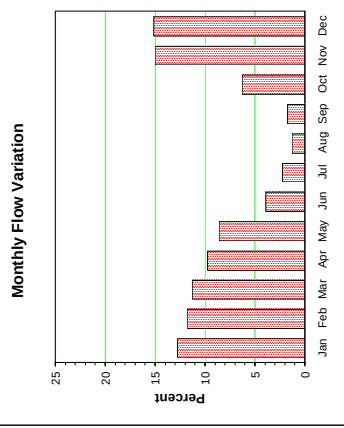
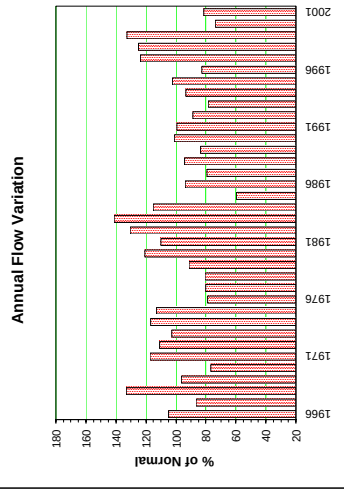
Drainage Area = 32.6 km²

Median Elevation = 536 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Year
1966	1.88	1.00	1.51	1.46	1.02	0.355	0.179	0.087	0.270	0.669	1.70	3.20	1.11	Dec 04	27	0.067	1966
1967	1.77	1.13	1.26	0.903	1.15	0.347	0.084	0.051	0.088	1.00	0.575	1.62	0.918	Jan 29	16	0.026	1967
1968	3.10	1.44	2.69	0.835	1.66	0.358	0.232	0.192	0.524	1.55	1.83	2.49	1.41	Jan 15	40	0.049	1968
1969	0.865	0.977	1.44	2.10	1.62	0.421	0.214	0.096	0.622	0.992	1.14	1.79	1.02	Dec 12	18	0.079	1969
1970	1.14	1.07	0.847	1.09	0.361	0.113	0.081	0.068	0.192	1.45	1.70	1.67	0.814	Oct 24	23	0.061	1970
1971	1.94	2.70	1.05	1.54	2.11	1.09	0.274	0.080	0.221	1.17	2.27	0.664	1.25	Feb 14	31	0.072	1971
1972	0.713	1.04	3.19	1.47	1.43	0.739	0.694	0.109	0.400	0.269	1.96	2.11	1.18	Dec 19	27	0.077	1972
1973	2.07	1.12	0.957	0.997	0.864	0.561	0.145	0.087	0.122	0.684	1.98	3.89	1.09	Dec 11	31	0.073	1973
1974	1.92	1.83	2.36	1.81	2.14	0.903	0.742	0.088	0.094	0.109	1.19	1.75	1.24	Mar 16	19	0.073	1974
1975	1.07	0.399	1.07	0.948	1.76	0.585	0.090	0.333	0.114	2.82	2.84	2.31	1.20	Oct 17	31	0.045	1975
1976	1.31	0.876	0.924	1.55	1.77	0.983	0.246	0.280	0.167	0.244	0.456	1.25	0.838	Dec 08	15	0.108	1976
1977	0.793	1.16	1.21	1.09	0.554	0.248	0.155	0.135	0.423	1.11	1.81	1.58	0.853	Oct 30	31	0.057	1977
1978	1.65	1.76	1.88	1.06	1.10	0.232	0.091	0.304	0.618	0.330	0.712	0.712	0.854	Mar 07	28	0.052	1978
1979	0.256	1.55	1.62	1.03	1.13	0.199	0.245	0.073	0.283	0.587	0.722	3.93	0.968	Dec 19	38	0.062	1979
1980	0.838	2.57	1.14	1.27	0.350	0.519	1.05	0.120	0.347	0.199	3.69	3.37	1.28	Nov 21	31	0.097	1980
1981	0.671	1.63	0.928	1.55	1.17	0.617	0.206	0.086	0.593	1.64	2.64	2.34	1.17	Dec 05	24	0.074	1981
1982	1.12	2.48	0.913	1.50	1.67	0.603	0.287	0.109	0.133	1.80	3.21	2.90	1.39	Dec 03	48	0.077	1982
1983	3.04	3.93	2.33	1.35	0.560	0.467	0.505	0.160	0.658	0.472	4.1	0.67	1.50	Feb 12	39	0.080	1983
1984	2.23	1.84	1.72	1.61	1.52	0.573	0.233	0.105	0.211	0.970	2.41	1.31	1.22	Jan 04	26	0.093	1984
1985	0.515	0.441	0.432	1.59	1.19	0.300	0.094	0.088	0.144	1.54	0.809	0.464	0.635	Oct 22	27	0.077	1985
1986	2.14	1.70	1.62	0.869	1.32	0.233	0.224	0.068	0.156	0.229	1.32	2.12	1.00	Jan 18	26.6	0.060	1986
1987	2.10	1.34	1.91	0.668	0.730	0.202	0.130	0.061	0.066	0.082	0.75	2.05	0.842	Jan 03	19.5	0.055	1987
1988	0.730	1.06	1.18	1.51	1.47	0.452	0.167	0.098	0.189	0.38	2.8	2.0	1.00	Nov 10	27.1	0.060	1988
1989	1.27	0.707	1.23	1.50	0.918	0.205	0.223	0.235	0.083	1.16	2.18	0.930	0.887	Nov 10	27.1	0.074	1989
1990	1.31	1.82	1.31	1.48	0.664	0.843	0.110	0.070	0.095	0.441	3.23	1.63	1.07	Nov 23	34.0	0.065	1990
1991	1.42	2.6	0.537	1.38	0.793	0.362	0.158	0.965	0.231	0.090	2.61	1.73	1.06	Nov 19	48	0.082	1991
1992	3.69	2.26	0.609	0.930	0.346	0.228	0.149	0.061	0.121	0.709	1.60	0.638	0.940	Jan 23	28.1	0.040	1992
1993	1.00	0.748	1.54	1.83	1.04	0.339	0.272	0.103	0.067	0.148	0.373	2.51	0.833	Dec 13	25.8	0.063	1993
1994	1.64	1.72	1.85	1.05	0.379	0.501	0.292	0.056	0.076	0.299	0.977	3.09	0.992	Dec 19	46.4	0.039	1994
1995	2.07	1.58	1.49	0.593	0.314	0.161	0.149	0.252	0.084	0.795	2.52	3.07	1.09	Dec 13	50.3	0.067	1995
1996	1.82	1.37	0.739	1.73	0.640	0.129	0.086	0.077	0.145	1.34	1.29	1.22	0.880	Jan 14	10.8	0.074	1996
1997	2.21	1.10	2.72	1.60	1.20	0.512	0.238	0.095	0.532	2.61	1.57	1.32	1.31	Oct 09	53.7	0.054	1997
1998	3.18	2.47	1.23	0.637	0.549	0.208	0.162	0.071	0.078	0.528	4.13	2.79	1.33	Jan 23	64.1	0.066	1998
1999	2.72	2.34	1.81	1.33	1.65	1.340	0.830	0.342	0.101	0.452	2.11	1.94	1.41	Nov 09	38.9	0.080	1999
2000	0.955	0.926	1.40	1.09	1.20	0.931	0.233	0.093	0.148	0.660	0.659	1.08	0.781	Jun 12	7.07	0.077	2000
2001	1.19	0.598	0.813	0.883	0.723	0.392	0.138	0.442	0.245	0.870	1.76	2.28	0.864	Dec 16	18.4	0.096	2001
AVG.	1.62	1.53	1.43	1.26	1.09	0.479	0.261	0.159	0.240	0.872	1.87	1.96	1.06		30.6	0.068	m³/s
S. D.	1.61	1.63	1.43	1.27	1.08	0.509	0.283	0.160	0.223	0.796	1.96	1.91	1.07		12.6	0.017	m³/s
Normal	133	122	117	101	89	40	23	13	18	65	156	157	1040	10-Year	47.4	0.046	m³/s



SALMON RIVER AT 72 AVENUE, LANGLEY 08MH090

Monthly and Annual Discharge in m³/s

Drainage Area = 489.9 km²

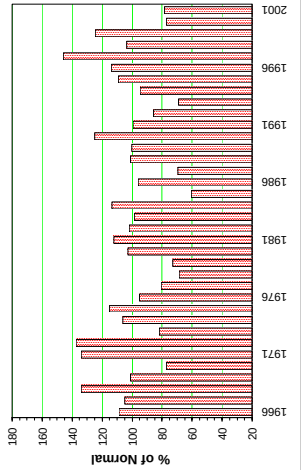
Median Elevation = 90 m

Location: 49°08'02"N, 122°35'40"W

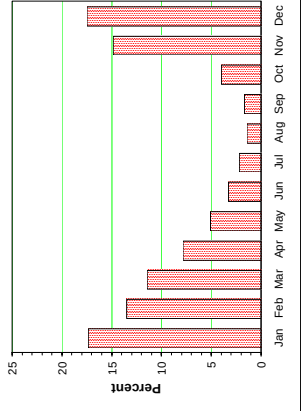
Year	Monthly and Annual Discharge in m³/s												Instantaneous Peak Flow			7-Day Low Flow		
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	3.0	1.6	1.7	1.0	0.73	0.31	0.51	0.15	0.31	2.1	2.5	4.9	1.6					1966
1967	3.9	2.7	1.6	0.81	0.83	0.39	0.13	0.06	0.08	2.6	2.4	2.9	1.5					1967
1968	5.3	3.2	3.6	1.4	0.51	0.47	0.22	0.37	0.88	1.3	2.3	3.74	1.9	Nov 05	12.3			1968
1969	2.1	2.7	1.94	2.3	0.75	0.302	0.265	0.225	0.733	1.48	2.27	2.59	1.5			0.207	0.207	1969
1970	2.61	1.93	1.14	1.86	0.946	0.242	0.232	0.200	0.254	0.315	1.25	2.87	1.12	Dec 07	13.6	0.184	0.184	1970
1971	4.50	3.39	3.12	1.22	0.518	0.818	0.465	0.284	0.327	0.967	3.70	4.03	1.94	Dec 17	47.0	0.245	0.245	1971
1972	3.76	4.35	3.90	1.85	0.840	0.391	1.090	0.316	0.501	0.342	1.54	4.98	1.99	Dec 26	50.4	0.250	0.250	1972
1973	2.5	1.7	1.4	0.750	0.481	0.390	0.170	0.235	0.25	0.427	2.59	3.22	1.18	Nov 28	21.4			1973
1974	3.69	3.83	2.45	1.56	1.190	0.654	0.335	0.212	0.207	0.221	1.06	3.17	1.54	Feb 03	31.4	0.185	0.185	1974
1975	3.11	2.19	1.81	0.649	0.566	0.284	0.205	0.307	0.184	2.23	3.15	5.29	1.67	Dec 02	43.0	0.117	0.110	1975
1976	3.66	2.90	1.78	1.68	0.748	0.693	0.378	0.389	0.527	0.497	1.22	2.10	1.38	Feb 12	19.4	0.303	0.258	1976
1977	1.96	1.14	1.69	0.898	0.410	0.501	0.227	0.216	0.244	0.467	2.66	3.55	1.16	Nov 25	22.2	0.133	0.133	1977
1978	1.93	1.73	1.24	1.09	0.754	0.298	0.175	0.263	0.604	0.427	1.78	1.73	1.00	Nov 07	17.3	0.151	0.151	1978
1979	0.680	2.78	1.27	0.956	0.318	0.208	0.166	0.152	0.202	0.276	0.355	5.38	1.05	Dec 17	64.6	0.129	0.129	1979
1980	1.65	2.87	2.02	1.50	0.445	0.790	0.518	0.169	0.364	0.312	3.47	3.82	1.49	Dec 26	32.8	0.136	0.136	1980
1981	1.18	2.54	1.54	2.12	1.01	1.90	0.457	0.245	0.324	1.61	3.69	2.84	1.63	Jun 10	20.3	0.207	0.207	1981
1982	4.42	4.75	1.38	1.23	0.486	0.345	0.336	0.289	0.265	0.324	1.56	2.57	1.48	Dec 03	23.4	0.251	0.251	1982
1983	3.56	3.11	1.62	1.16	0.567	0.317	0.676	0.165	0.316	0.465	4.13	1.19	1.43	Jan 07	20.0	0.145	0.145	1983
1984	4.19	2.29	2.07	1.48	2.260	0.647	0.328	0.276	0.287	0.671	2.97	2.26	1.64	Jan 04	27.7	0.233	0.229	1984
1985	0.958	1.32	1.00	2.25	0.617	0.414	0.180	0.187	0.201	0.915	2.08	0.476	0.877	Apr 27	19.9	0.153	0.153	1985
1986	2.77	3.20	2.07	1.51	1.47	0.289	0.255	0.192	0.216	0.299	2.39	2.17	1.39	Feb 24	61.4	0.187	0.187	1986
1987	2.53	1.64	2.43	1.18	1.16	0.465	0.209	0.154	0.153	0.152	0.353	1.67	1.01	May 31	16.7	0.138	0.138	1987
1988	1.81	1.73	1.83	2.03	1.45	0.526	0.205	0.167	0.222	0.899	3.75	2.97	1.46	Dec 30	20.8	0.141	0.141	1988
1989	3.65	1.17	2.16	1.55	0.952	0.372	0.214	0.222	0.147	0.511	4.35	2.09	1.45	Nov 10	35.9	0.129	0.129	1989
1990	3.32	3.68	1.83	0.763	0.458	1.25	0.259	0.232	0.245	0.840	5.37	3.66	1.81	Nov 10	38.1	0.200	0.200	1990
1991	3.12	2.82	1.51	1.99	0.862	0.541	0.333	0.528	0.352	0.281	2.91	2.12	1.44	Jan 13	19.8	0.248	0.220	1991
1992	4.40	2.51	0.617	1.40	0.491	0.287	0.320	0.186	0.239	0.346	2.18	2.00	1.24	Jan 23	19	0.168	0.168	1992
1993	2.45	0.622	1.63	2.01	1.04	0.718	0.250	0.188	0.161	0.238	0.417	2.24	1.00	Jan 25	29.0	0.145	0.145	1993
1994	2.23	2.16	2.27	0.834	0.290	0.270	0.215	0.153	0.217	0.498	3.13	4.21	1.37	Dec 27	24.8	0.145	0.137	1994
1995	3.02	3.02	2.06	1.06	0.256	0.267	0.281	0.323	0.193	1.02	4.79	3.42	1.58	Nov 08	32.8	0.169	0.169	1995
1996	2.79	2.77	0.990	2.45	1.42	0.378	0.239	0.214	0.279	1.52	3.29	3.53	1.65	Nov 28	44.5	0.166	0.166	1996
1997	6.05	2.59	4.19	1.48	1.36	1.08	1.30	0.325	0.449	1.58	2.19	2.68	2.11	Jan 30	43.2	0.262	0.262	1997
1998	3.73	1.44	2.0	0.683	0.801	0.367	0.250	0.171	0.173	0.385	3.46	4.52	1.50	Dec 29	25.4	0.151	0.151	1998
1999	3.74	4.07	2.52	1.24	0.561	0.561	0.558	0.316	0.191	0.537	2.94	3.97	1.80	Dec 15	31.6	0.148	0.147	1999
2000	2.01	1.41	1.87	0.800	1.47	1.34	0.328	0.218	0.69	0.76	1.1	1.5	1.12	Jun 12	15	0.200	0.200	2000
2001	1.59	0.893	1.42	1.04	0.678	0.489	0.177	0.258	0.222	1.01	2.16	3.63	1.13	Dec 14	27.4	0.140	0.140	2001

Avg	2.98	2.46	1.94	1.38	0.830	0.543	0.349	0.238	0.311	0.805	2.54	3.05	1.45		29.6	0.180	0.177	m³/s
S. D.													0.307		13.2	0.048	0.044	m³/s
Normal	2.96	2.52	1.94	1.38	0.861	0.579	0.367	0.243	0.291	0.674	2.62	2.98	1.45					
Normal	159	123	104	72	46	30	20	13	15	36	136	160	914	10-Year	46.9	0.131	0.129	m³/s

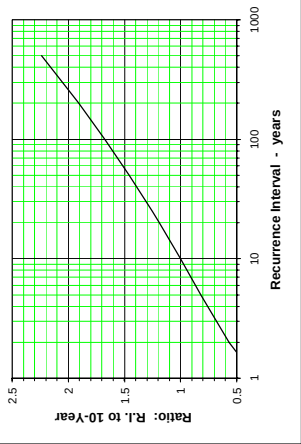
Annual Flow Variation



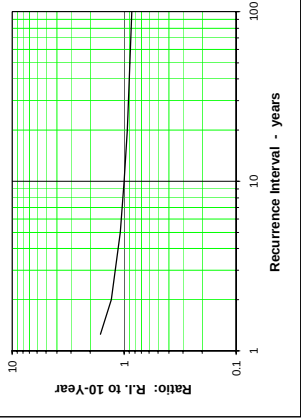
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



SEYMOUR RIVER BELOW ORCHID CREEK 08GA077

Location: 49°31'17"N, 123°00'10"W

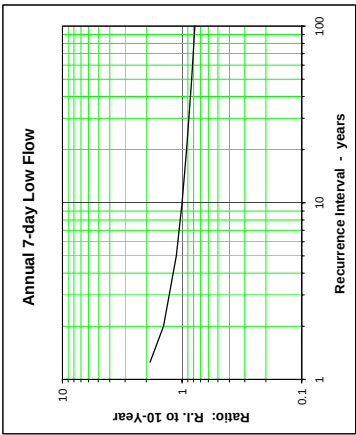
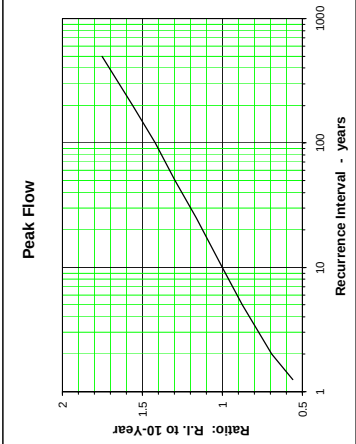
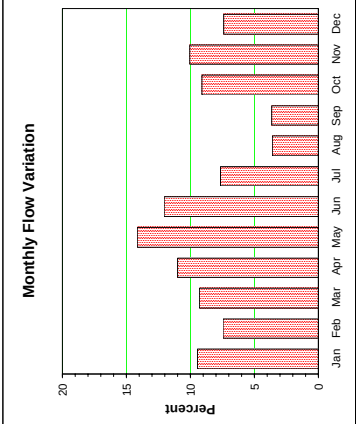
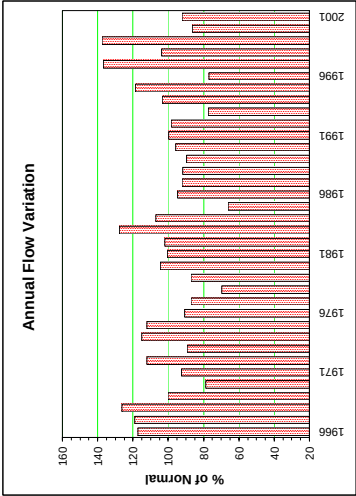
Drainage Area = 62.9 km²

Median Elevation = 986 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966													7.3					1966
1967													7.4					1967
1968													7.9					1968
1969													6.2					1969
1970													4.9					1970
1971													5.8					1971
1972													7.0					1972
1973													5.6					1973
1974													7.2					1974
1975													7.0					1975
1976													5.7					1976
1977													5.4					1977
1978													4.3					1978
1979													5.4					1979
1980													6.5					1980
1981													6.3					1981
1982													6.4					1982
1983													8.0					1983
1984													6.7					1984
1985													4.1					1985
1986													5.9					1986
1987													5.7					1987
1988													5.7					1988
1989													5.6					1989
1990													6.0					1990
1991													6.2					1991
1992													6.1					1992
1993													4.82	Dec 09	76	0.403	0.403	1993
1994													6.44	Mar 02	128	0.551	0.551	1994
1995													7.39	Nov 08	120	0.822	0.753	1995
1996													4.80	Oct 04	58.6	0.591	0.563	1996
1997													8.54	Mar 19	69	0.624	0.624	1997
1998													6.48	Dec 13	107	0.536	0.521	1998
1999													8.57	Nov 11	73.8	1.66	1.09	1999
2000													5.39	Oct 20	73.9	0.749	0.749	2000
2001													5.74	Nov 15	85.5	1.03	0.980	2001
Avg.	6.64	5.48	6.53	8.04	10.2	8.80	5.23	2.96	2.69	6.48	8.08	5.34	6.23		88.0	0.765	0.691	m ³ /s
S. D.													1.08		24.4	0.359	0.211	m ³ /s
Normal	6.85	5.93	6.75	8.26	10.3	9.02	5.55	2.60	2.75	6.60	7.55	5.37	6.16					m ³ /s
Normal	292	230	287	340	438	372	236	111	113	281	311	229	3090	10-Year	121	0.453	0.458	m ³ /s



SILVERDALE CREEK NEAR MISSION 08MH091

Location: 49°08'54"N, 122°20'14"W

Drainage Area = 18.1 km² Median Elevation = 183 m

Monthly and Annual Discharge in m³/s

Instantaneous Peak Flow

7-Day Low Flow

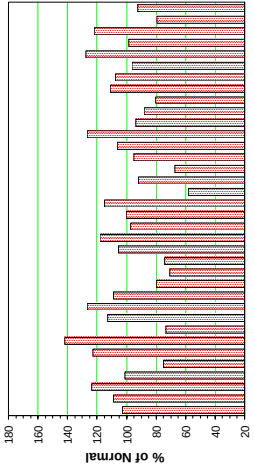
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	154	109	113	0609	0287	0182	0244	0124	0261	0924	117	272	0858	Dec 13	12.9	0.099	0.099	1966
1967	268	178	106	0634	0392	0217	0137	0105	0106	0965	114	172	0908	Nov 10	7.59	0.096	0.096	1967
1968	238	133	122	0805	0485	0635	0249	0238	1.21	0.965	1.21	151	1.03	Jan 19	16.8	0.169	0.169	1968
1969	123	114	153	1.65	0.463	0.216	0.175	0.154	0.629	0.832	1.01	112	0.843	Nov 04	7.53	0.101	0.101	1969
1970	110	0973	0640	1.06	0.382	0.223	0.183	0.126	0.225	0.406	0.886	1.32	0.624	Dec 06	6.43	0.109	0.109	1970
1971	250	181	13	0.69	0.431	0.618	0.332	0.21	0.32	0.843	1.72	158	1.02	Dec 17	17			1971
1972	170	242	255	1.32	0.703	0.453	0.867	0.204	0.374	0.255	0.732	262	1.18	Dec 26	21.0	0.181	0.181	1972
1973	106	0719	0837	0.451	0.260	0.229	0.142	0.113	0.115	0.316	1.35	173	0.610	Nov 28	10.8	0.102	0.102	1973
1974	21	2.0	1.56	1.15	0.964	0.557	0.287	0.158	0.140	0.154	0.697	151	0.939	Jan 24	18.7	0.124	0.124	1974
1975	165	106	131	0.667	0.657	0.305	0.181	0.399	0.321	1.18	182	310	1.057	Dec 02	21.2	0.151	0.151	1975
1976	230	149	121	1.21	0.621	0.613	0.324	0.372	0.531	0.418	0.615	119	0.906	Jan 15	9.63	0.229	0.229	1976
1977	109	0612	1.03	0.954	0.409	0.383	0.188	0.137	0.180	0.375	1.20	179	0.664	Jan 17	13.0	0.097	0.097	1977
1978	0.895	0.849	0.779	0.690	0.461	0.224	0.113	0.171	0.577	0.364	0.954	1.01	0.588	Nov 07	8.78	0.088	0.088	1978
1979	0.392	1.35	1.03	0.736	0.344	0.184	0.120	0.086	0.158	0.272	0.263	253	0.619	Dec 14	17.9	0.080	0.080	1979
1980	0.711	1.45	1.23	0.940	0.408	1.23	0.431	0.218	0.357	0.294	1.59	2.2	0.878	Dec 26	24	0.170	0.170	1980
1981	0.774	1.41	0.866	1.7	0.706	1.15	0.470	0.212	0.282	1.03	1.86	1.39	0.982	Feb 17	6.7	0.148	0.15	1981
1982	210	272	1.04	0.791	0.318	0.147	0.22	0.18	0.137	0.268	0.790	1.14	0.809	Jan 23	14.5	0.09	0.09	1982
1983	16	1.3	0.745	0.632	0.391	0.277	1.3	0.215	0.313	0.323	2.3	0.702	0.835	Nov 15	16	0.18	0.17	1983
1984	2.5	1.19	1.20	0.959	1.12	0.481	0.242	0.143	0.266	0.769	1.38	1.22	0.957	Jan 04	22	0.116	0.12	1984
1985	0.429	0.652	0.558	1.1	0.463	0.318	0.111	0.093	0.144	0.702	0.911	0.349	0.484	Oct 27	12	0.077	0.077	1985
1986	105	172	1.21	0.842	1.15	0.255	0.258	0.124	0.157	0.270	1.36	0.894	0.768	Feb 24	23.9	0.108	0.108	1986
1987	118	0.863	1.22	0.789	0.798	0.393	0.204	0.101	0.097	0.095	0.204	0.787	0.561	May 31	10.3	0.077	0.077	1987
1988	0.735	0.932	0.860	1.18	0.807	0.439	0.210	0.116	0.191	0.681	1.97	1.41	0.792	Dec 12	8.68	0.102	0.102	1988
1989	2.09	0.616	1.09	0.976	0.803	0.346	0.202	0.134	0.133	0.460	2.52	1.05	0.884	Nov 10	16	0.119	0.119	1989
1990	151	2.28	0.990	0.458	0.329	0.769	0.184	0.158	0.177	0.707	3.18	2.07	1.06	Nov 09	25.5	0.109	0.109	1990
1991	145	1.66	0.721	1.05	0.573	0.476	0.192	0.375	0.256	0.182	1.32	1.21	0.782	Nov 19	10.9	0.144	0.144	1991
1992	217	1.32	0.396	0.880	0.379	0.244	0.281	0.125	0.264	0.331	1.36	1.09	0.734	Jan 23	10	0.094	0.094	1992
1993	132	0.452	0.833	1.14	0.784	0.703	0.434	0.225	0.135	0.282	0.47	1.20	0.667	Jan 25	17.7	0.118	0.114	1993
1994	129	1.12	1.55	0.575	0.277	0.431	0.229	0.116	0.190	0.598	1.3	3.4	0.925	Feb 28	13.7	0.108	0.108	1994
1995	112	1.62	0.977	0.488	0.238	0.215	0.215	0.273	0.191	0.856	2.55	2.06	0.895	Feb 19	18.3	0.157	0.157	1995
1996													0.80					1996
1997													1.1					1997
1998													0.82					1998
1999													1.0					1999
2000													0.66					2000
2001													0.77					2001

Avl. S.D. 1.49 1.33 1.09 0.892 0.547 0.413 0.291 0.186 0.281 0.543 1.33 1.59 0.833 14.7 0.122 0.122 m³/s

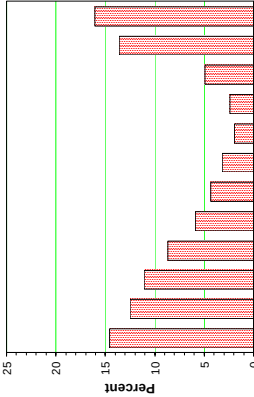
Normal 1.43 1.34 1.08 0.880 0.576 0.437 0.309 0.193 0.240 0.481 1.38 1.57 0.166 5.59 0.037 0.037 m³/s

Normal 212 181 160 126 85 63 46 29 34 71 197 233 1450 22.6 0.085 0.085 m³/s

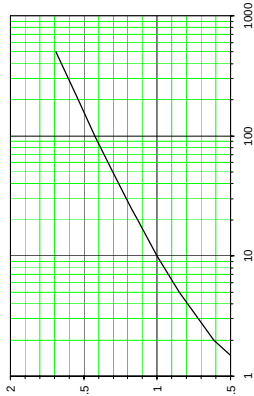
Annual Flow Variation



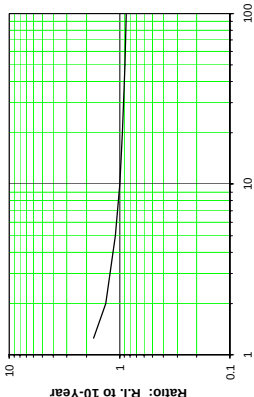
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



STAVE LAKE INFLOW

(Monthly Reservoir Data provided by BC Hydro is preliminary and subject to revision)

Location: 49°13'48"N, 122°21'17"W

Monthly and Annual Inflow in m³/s

Drainage Area = 1140 km²

Median Elevation = 878 m

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	% of Normal	Year
1966	108	60.9	99	116	133	175	142	58.0	69.7	138	129	215	121	108	1966
1967	157	102	70.2	47.9	154	222	121	54.6	55.5	259	118	144	126	113	1967
1968	208	160	143	83.0	127	171	129	65.4	101	180	159	112	136	122	1968
1969	57.1	41.3	79.7	143	209	200	95.4	54.6	140	105	83.2	96.4	109	97.4	1969
1970	79.5	73.9	55.7	96.6	83.5	129	63.6	27.8	69.6	63.9	113	91.6	78.7	70.4	1970
1971	149	146	80.8	80.2	174	191	185	97.6	90.0	117	124	49.9	124	110	1971
1972	68	131	229	111	177	191	204	69.4	80.5	20.9	101	197	132	118	1972
1973	111	65.8	54.2	43.5	148	151	94.9	47.1	38.7	130	121	163	97.8	87.4	1973
1974	200	89.7	152	123	172	226	197	97.3	53.0	32.3	157	133	136	122	1974
1975	60.5	42.8	76.6	54.5	146	169	141	115	45.6	212	223	209	125	112	1975
1976	114	81.0	74.0	107	179	171	185	125	92.5	64.9	74.4	125	116	104	1976
1977	79.0	89.8	83.7	102	105	124	59.6	61.5	84.1	92.4	163	136	98.2	87.8	1977
1978	70.0	78.8	95.8	55.1	114	136	75.1	72.8	139	49.1	64.2	31.6	81.6	73.0	1978
1979	12.7	85.2	117	73.3	128	105	80.1	32.6	103	105	35.2	244	93.7	83.8	1979
1980	29.6	167	63.8	107	86.4	97.9	81.7	35.7	86.4	43.8	232	179	100	89.7	1980
1981	66.7	125	33.2	136	115	154	76.5	35.3	64.9	214	179	130	110	98.7	1981
1982	85.5	184	64.4	116	150	213	142	68.9	47.0	171	95.0	122	121	108	1982
1983	168	192	118	78.4	129	156	196	58.6	77.9	80.8	265	9.3	127	113	1983
1984	182	107	101	82.1	138	165	118	54.3	79.3	163	155	64.8	117	105	1984
1985	28.3	36.1	32.0	140	132	163	81.6	38.4	41.9	174	75.5	29.1	81.1	72.5	1985
1986	148	142	135	69	166	118	82.7	35.5	35.3	64.0	140	102	103	92.1	1986
1987	142	82.9	155	111	187	130	79.8	32.7	28.0	7.93	104	109	97.6	87.3	1987
1988	63.4	74.6	75.6	131	182	150	110	51.1	51.7	97.0	189	80.8	105	93.6	1988
1989	114	31.4	87.6	126	131	153	80.0	53.4	18.6	117	236	109	105	93.9	1989
1990	100	103	83	110	98.8	157	82.5	41.9	39.6	164	338	96.2	118	105	1990
1991	107	238	45	113	127	117	96.6	158	50.4	15.4	181	121	113	101	1991
1992	201	122	59	164	86.8	83.6	56.5	38.7	62.9	92.9	104	48.9	93.1	83.2	1992
1993	66.9	40.0	102	127	179	111	63.8	44.2	20.1	54.2	65.8	130	84.0	75.2	1993
1994	142	85.5	171	118	109	132	80.7	30.6	37.0	87.6	101	205	109	97.1	1994
1995	129	177	103	79.6	136	118	91.1	65.5	34.3	165	385	166	137	122	1995
1996	161	122	69.8	153	109	96.1	86.2	42.5	76.4	154	118	67.6	104	93.4	1996
1997	195	71.9	188	151	213	204	153	59.1	143	223	149	115	156	140	1997
1998	140	94.4	88.3	72.7	149	133	96.3	25.9	21.2	85.8	245	185	111	100	1998
1999	130	116	110	95.5	158	214	211	146	69.1	127	271	172	152	136	1999
2000	65.5	70.8	80.8	107	197	205	131	66.3	74.5	102.0	66.0	59.5	102	91.3	2000
2001	84.4	39.0	90.0	101	138	118	68.8	141	45.3	107	187	119	104	92.6	2001

Avg.

S. D.

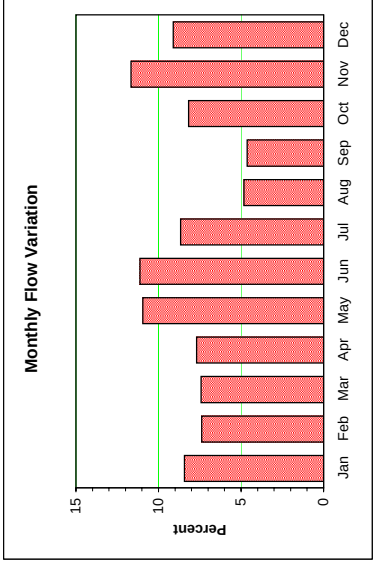
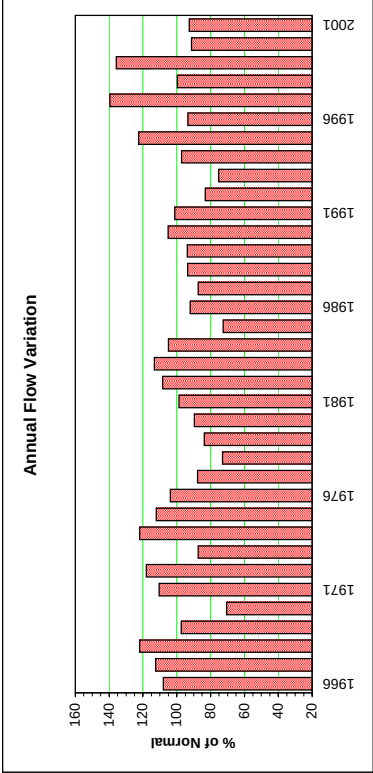
Normal

Normal

m³/s

m³/s

mm



SUMAS RIVER NEAR HUNTINGDON 08MH029

Location: 49°00'09"N, 122°13'50"W

Monthly and Annual Discharge in m³/s

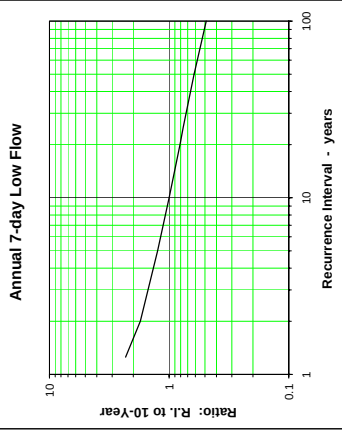
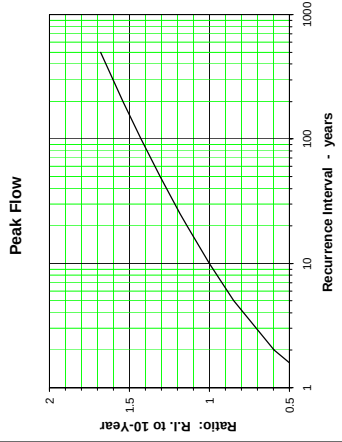
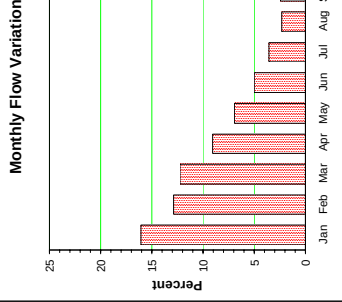
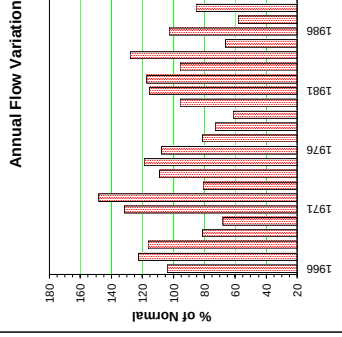
Drainage Area = 149 km²

Median Elevation = 36 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	6.95	4.12	6.81	4.93	2.78	1.65	1.32	0.887	0.657	1.53	2.69	8.68	3.59	Jan 14	26.7	0.614	0.536	1966
1967	12.2	8.07	7.08	4.49	2.81	1.64	1.33	1.01	0.787	2.80	3.44	5.21	4.23	Feb 04	20.1	0.658	0.658	1967
1968	6.80	6.34	5.96	3.88	2.64	2.94	1.92	1.53	1.70	3.06	4.43	7.05	4.02	Jan 20	30.3	1.05	1.05	1968
1969	5.0	5.9	4.1	5.4	2.6	1.8	1.2	1.6	1.6	1.7	3.5	4.3	2.8					1969
1970	5.55	4.19	2.66	3.19	1.75	1.14	1.05	1.09	1.03	1.01	2.06	3.47	2.34	Jan 22	12.2	0.921	0.835	1970
1971	8.23	7.76	5.07	4.46	1.99	2.74	2.17	1.96	1.49	1.81	8.03	9.06	4.34	Dec 18	32.8	1.16	1.16	1971
1972	5.4	7.5	13.4	7.90	4.92	2.88	3.96	2.05	1.68	1.44	2.75	7.4	5.11	Mar 06	38.2	1.40	1.36	1972
1973	5.37	3.66	3.61	2.90	2.11	1.70	1.61	0.796	0.684	1.20	3.60	6.53	2.78	Dec 07	13.3	0.570	0.570	1973
1974	7.70	9.53	6.17	4.55	4.17	2.82	1.64	1.00	0.664	0.786	1.77	4.67	3.76	Feb 04	40.8	0.611	0.611	1974
1975	8.07	6.20	5.07	2.42	1.99	1.12	0.828	0.790	0.790	2.92	5.50	13.5	4.10	Dec 03	46.7	0.530	0.530	1975
1976	11.2	6.85	4.54	4.40	2.80	2.58	1.65	1.37	1.64	1.40	3.27	3.86	3.71	Jan 16	31.1	1.12	1.12	1976
1977	4.83	2.77	4.41	2.94	1.82	1.77	0.906	0.658	0.942	0.973	3.46	8.13	2.81	Jan 19	22.7	0.446	0.446	1977
1978	5.20	4.28	3.32	2.92	2.04	1.29	0.725	0.698	1.64	1.18	3.60	3.38	2.51	Nov 05	10.9	0.419	0.419	1978
1979	1.72	4.53	3.63	2.59	1.74	0.80	0.630	0.381	0.732	0.750	0.800	6.88	2.11	Dec 18	26.8	0.185	0.185	1979
1980	3.14	5.69	5.36	4.04	2.07	1.63	1.69	0.889	1.05	1.03	5.09	7.99	3.30	Dec 27	30.4	0.776	0.776	1980
1981	4.69	5.94	3.79	5.04	3.31	5.63	2.32	1.24	1.20	2.94	5.62	6.26	3.98	Jun 11	17.3	1.05	1.05	1981
1982	9.84	14.8	6.99	3.40	2.02	1.26	1.35	0.920	0.849	0.930	1.98	5.08	4.05	Feb 15	49.2	0.763	0.763	1982
1983	8.44	4.21	3.88	2.68	1.63	1.36	2.49	1.19	1.46	1.22	7.71	3.54	3.29	Jan 11	33.3	1.00	1.00	1983
1984	11.6	5.74	6.56	4.34	5.15	2.64	1.52	1.25	1.47	1.54	4.75	6.32	4.41	Jan 05	49.1	1.01	0.962	1984
1985	3.50	2.95	2.51	4.45	2.43	1.93	0.681	0.442	0.593	1.98	4.46	1.88	2.28	Apr 28	16.3	0.959	0.959	1985
1986	5.09	6.33	5.87	4.47	4.56	2.06	1.77	0.927	0.979	1.21	5.20	4.18	3.54	Feb 25	38.7	0.714	0.710	1986
1987	4.84	3.56	4.12	2.72	2.11	1.42	1.03	0.608	0.625	0.628	0.863	1.58	2.00	Jan 13	9.80	0.519	0.519	1987
1988	2.14	2.98	2.99	4.87	3.56	1.92	1.33	0.692	0.788	2.28	6.03	5.81	2.94	Apr 07	17.3	0.559	0.559	1988
1989	7.83	3.73	6.12	5.31	2.68	2.12	1.08	1.11	0.836	0.859	8.66	10.4	3.79	Nov 11	47.4	0.674	0.606	1989
1990	6.22	8.82	4.40	2.38	1.75	3.66	1.17	0.826	0.814	1.84	15.0	10.4	4.73	Nov 10	55.5	0.755	0.755	1990
1991	8.81	7.21	4.69	4.40	2.37	1.71	1.29	1.15	1.54	0.916	4.30	4.51	3.55	Jan 13	36.8	0.758	0.758	1991
1992	6.46	5.71	2.48	2.39	2.06	1.12	1.41	0.789	1.01	1.75	4.53	4.48	2.84	Jan 24	18	0.712	0.712	1992
1993	4.56	2.87	3.28	4.32	2.70	2.32	1.39	1.14	0.880	0.850	1.12	3.44	2.40	Jan 25	24.6	0.820	0.720	1993
1994	3.45	3.31	4.76	2.43	1.29	1.14	0.86	0.507	0.697	0.724	2.26	5.83	2.27	Dec 27	20	0.417	0.417	1994
1995	3.53	6.64	4.24	3.02	1.65	1.14	0.69	0.730	0.574	1.95	6.82	7.80	3.22	Nov 30	21.5	0.477	0.477	1995
1996	7.99	7.49	3.51	4.64	5.18	2.04	1.07	0.872	1.26	2.78	6.82	7.50	4.27	Nov 28	36.7	0.716	0.716	1996
1997	14.5	8.78	9.13	5.03	4.70	2.1	2.6	0.53	1.2	3.7	4.6	5.4	5.18	Jan 20	32.9			1997
1998	9.47	3.5	4.8	1.6	2.4	0.81	0.78	0.49	0.98	1.17	4.44	8.01	3.23	Dec 30	26.6			1998
1999	7.83	6.50	6.51	4.08	3.52	2.08	1.85	1.25	0.935	1.17	5.55	9.84	4.25	Dec 16	25.9	0.833	0.790	1999
2000	5.31	3.85	5.40	4.01	4.65	5.62	1.62	1.13	1.29	1.51	1.67	2.99	3.25	Jun 13	20.4	1.02	1.02	2000
2001	3.52	2.39	3.03	3.09	2.22	2.30	0.929	1.52	1.09	2.07	5.36	8.35	2.99	Dec 14	26.2	0.762	0.762	2001
Avg.	6.58	5.69	5.00	3.89	2.78	2.09	1.45	0.99	1.05	1.60	4.47	6.07	3.45		28.8	0.739	0.725	m³/s
S. D.	6.57	5.79	5.02	3.83	2.85	2.12	1.46	0.946	1.03	1.52	4.64	6.05	3.47		11.9	0.264	0.260	m³/s
Normal	118	95	90	67	51	37	26	17	18	27	81	109	736	10-Year	45.5	0.412	0.406	m³/s



WEST CREEK NEAR FORT LANGLEY 08MH098

Location: 49°08'36"N, 122°31'59"W

Monthly and Annual Discharge in m³/s

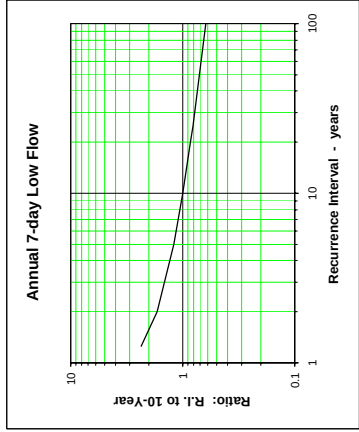
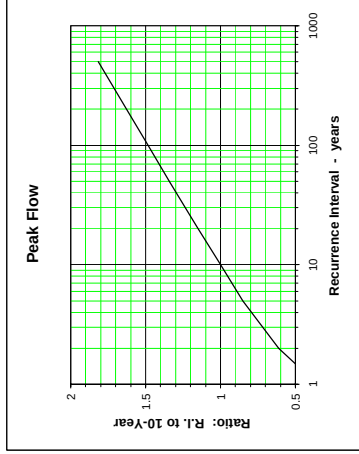
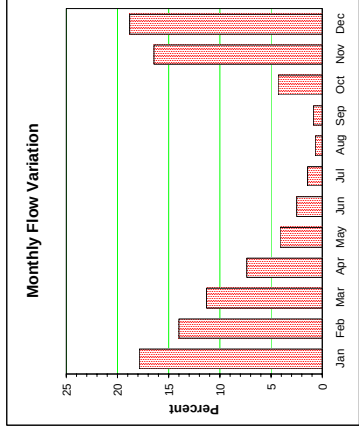
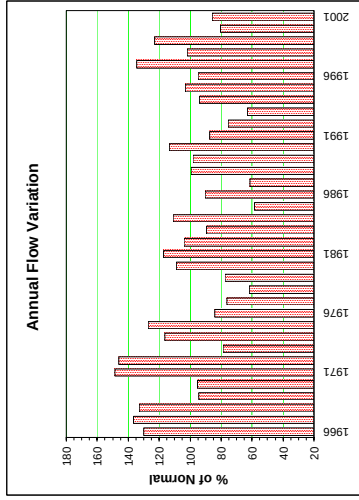
Drainage Area = 11.4 km²

Median Elevation = 88 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Year
1966	1.62	0.385	0.751	0.220	0.109	0.040	0.053	0.028	0.052	0.392	0.504	2.18	0.533	Jan 13	12	0.012	1966
1967	1.93	1.03	0.837	0.462	0.090	0.052	0.019	0.022	0.034	0.46	0.70	1.09	0.560	Feb 04	7.3	0.008	1967
1968	1.5	0.88	1.1	0.31	0.11	0.10	0.03	0.04	0.26	0.71	0.71	0.75	0.545				1968
1969	0.69	0.88	0.52	0.63	0.16	0.06	0.05	0.03	0.10	0.06	0.751	0.773	0.388				1969
1970	0.946	0.992	0.325	0.711	0.103	0.028	0.026	0.026	0.027	0.10	0.55	1.28	0.392	Dec 06	8.4	0.025	1970
1971	1.98	0.890	0.880	0.314	0.068	0.176	0.074	0.024	0.098	0.606	1.23	1.03	0.610	Dec 17	11.6	0.018	1971
1972	1.25	1.47	1.18	0.696	0.212	0.051	0.392	0.022	0.063	0.064	0.454	1.35	0.599	Dec 26	10.3	0.016	1972
1973	0.602	0.458	0.446	0.105	0.059	0.054	0.029	0.028	0.032	0.059	0.988	1.03	0.323	Nov 28	9.80	0.026	1973
1974	1.25	1.26	0.807	0.451	0.332	0.146	0.032	0.032	0.032	0.039	0.305	1.08	0.478	Feb 03	13.4	0.029	1974
1975	1.06	0.695	0.563	0.161	0.144	0.040	0.025	0.043	0.029	0.804	1.08	1.61	0.522	Dec 02	13.2	0.021	1975
1976	1.07	0.771	0.431	0.386	0.113	0.142	0.048	0.055	0.115	0.129	0.366	0.525	0.345	Feb 12	6.99	0.041	1976
1977	0.479	0.308	0.532	0.219	0.073	0.111	0.028	0.031	0.037	0.122	0.868	0.952	0.313	Nov 25	8.78	0.022	1977
1978	0.472	0.418	0.343	0.283	0.167	0.038	0.023	0.033	0.080	0.064	0.597	0.529	0.253	Nov 07	9.49	0.019	1978
1979	0.142	0.928	0.360	0.237	0.046	0.024	0.020	0.021	0.028	0.046	0.087	1.90	0.317	Dec 17	20.6	0.018	1979
1980	0.407	0.917	0.595	0.360	0.073	0.171	0.109	0.034	0.064	0.059	1.06	1.55	0.447	Dec 26	24.1	0.028	1980
1981	0.269	0.847	0.450	0.732	0.174	0.690	0.078	0.031	0.042	0.591	1.04	0.871	0.480	Nov 01	10.0	0.023	1981
1982	1.48	1.66	0.254	0.288	0.037	0.043	0.056	0.039	0.040	0.062	0.578	0.684	0.427	Feb 13	15.6	0.023	1982
1983	0.797	0.798	0.372	0.32	0.11	0.049	0.275	0.019	0.065	0.219	1.18	0.252	0.367	Nov 15	3.48	0.011	1983
1984	1.04	0.617	0.546	0.401	0.644	0.133	0.06	0.04	0.04	0.23	0.94	0.79	0.456	Jan 04	7.3		1984
1985	0.283	0.507	0.285	0.613	0.134	0.075	0.021	0.018	0.023	0.271	0.577	0.105	0.240	Apr 27	4.10	0.015	1985
1986	0.852	0.865	0.501	0.352	0.380	0.040	0.035	0.022	0.026	0.052	0.722	0.632	0.370	Feb 24	13.1	0.020	1986
1987	0.650	0.392	0.611	0.312	0.317	0.079	0.025	0.017	0.019	0.068	0.512	0.512	0.252	May 31	5.77	0.015	1987
1988	0.510	0.482	0.528	0.529	0.329	0.095	0.024	0.022	0.035	0.224	1.23	0.894	0.403	Dec 30	6.15	0.017	1988
1989	1.05	0.244	0.622	0.426	0.296	0.041	0.025	0.038	0.024	0.178	1.30	0.579	0.407	Nov 10	10.5	0.018	1989
1990	0.881	0.878	0.441	0.146	0.056	0.310	0.026	0.029	0.037	0.209	1.57	1.04	0.465	Nov 10	10.0	0.019	1990
1991	0.544	0.873	0.326	0.534	0.211	0.080	0.033	0.119	0.056	0.039	0.935	0.603	0.358	Nov 19	6.72	0.023	1991
1992	1.30	0.636	0.110	0.368	0.080	0.029	0.053	0.021	0.022	0.042	0.576	0.493	0.310	Jan 23	8.6	0.015	1992
1993	0.652	0.093	0.449	0.533	0.229	0.132	0.021	0.018	0.017	0.030	1.111	0.789	0.258	Jan 25	8.21	0.016	1993
1994	0.625	0.514	0.731	0.205	0.031	0.028	0.011	0.022	0.022	0.458	1.08	1.17	0.385	Dec 27	7.19	0.009	1994
1995	0.652	0.806	0.395	0.165	0.036	0.028	0.018	0.024	0.021	0.498	1.52	0.983	0.422	Nov 08	8.92	0.009	1995
1996	0.781	0.674	0.236	0.678	0.344	0.029	0.014	0.017	0.049	0.523	0.761	0.582	0.389	Nov 28	10.5	0.011	1996
1997	1.45	0.672	1.45	0.372	0.358	0.241	0.333	0.08	0.10	0.434	0.571	0.791	0.553	Jan 30	12.0	0.011	1997
1998	1.06	0.358	0.561	0.150	0.199	0.044	0.031	0.013	0.014	0.066	1.09	1.42	0.419	Dec 29	8.79	0.012	1998
1999	1.07	1.29	0.671	0.253	0.136	0.071	0.092	0.034	0.024	0.173	0.944	1.35	0.505	Dec 15	10.5	0.016	1999
2000	0.699	0.405	0.621	0.187	0.444	0.03	0.02	0.02	0.079	0.176	0.265	0.557	0.330	Jun 12	5.55	0.017	2000
2001	0.488	0.179	0.487	0.279	0.167	0.127	0.008	0.049	0.029	0.365	0.767	1.26	0.352	Dec 13	10.7	0.007	2001
Avg.	0.904	0.713	0.557	0.372	0.183	0.113	0.062	0.032	0.050	0.230	0.780	0.944	0.410		10.0	0.018	m³/s
S. D.	0.845	0.724	0.535	0.359	0.195	0.122	0.069	0.032	0.043	0.205	0.803	0.889	0.400		4.16	0.007	m³/s
Normal	199	155	126	82	46	28	16	7	10	48	183	209	1110	10-Year	15.3	0.010	m³/s

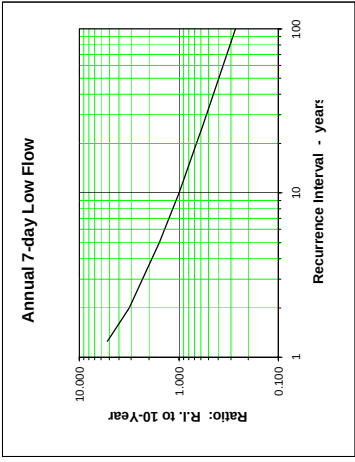
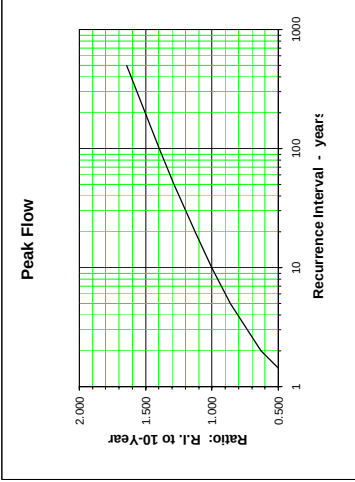
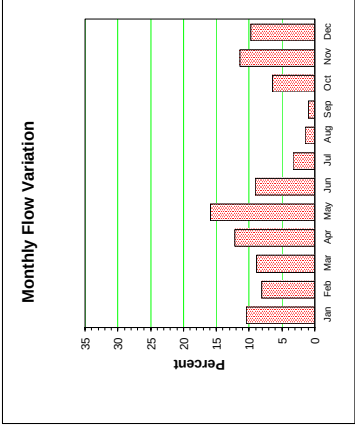
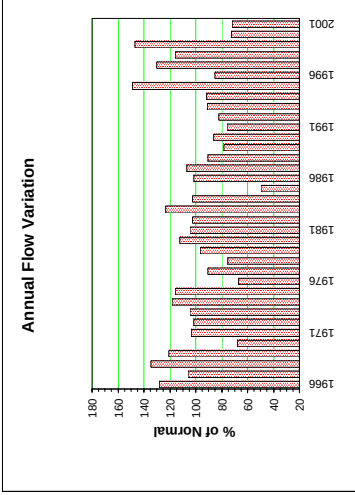


Zone 28

BROWNS RIVER NEAR COURTENAY 08HB025

Location: 49°41'33"N, 125°05'07"W

Year	Monthly and Annual Discharge in m3/s												Median Elevation = 800 m				Instantaneous Peak Flow				7-Day Low Flow			
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year						
1966	6.7	4.0	5.5	7.3	9.5	9.9	4.1	0.7	0.8	3.9	11.9	20.6	7.09	Dec 11	129	0.101	0.101	1966						
1967	5.26	3.45	5.65	2.64	12.4	14.2	1.32	0.178	0.176	11.8	4.75	8.29	5.87	Oct 06	48	0.101	0.101	1967						
1968	16.4	8.35	7.50	3.07	10.6	6.47	1.19	2.27	1.05	17.8	9.41	4.88	5.87	Oct 29	246	0.213	0.213	1968						
1969	2.1	4.0	3.59	9.23	15.8	15.4	2.27	0.307	3.88	2.21	14.5	6.99	6.67	Nov 07	93	0.214	0.214	1969						
1970	5.07	3.95	2.87	5.01	9.72	4.87	0.707	0.272	0.300	3.94	4.2	4.1	3.75	Oct 21	105	0.161	0.085	1970						
1971													5.7					1971						
1972													5.6					1972						
1973													5.8					1973						
1974													6.5					1974						
1975													6.4					1975						
1976													3.7					1976						
1977													5.0					1977						
1978													4.2					1978						
1979													5.3					1979						
1980													6.2					1980						
1981													5.8					1981						
1982													5.7					1982						
1983													6.8					1983						
1984													5.7					1984						
1985	1.43	1.26	1.6	7.2	9.1	2.7	0.231	0.051	0.575	4.69	1.75	2.30	2.75	Oct 21	52.5	0.013	0.013	1985						
1986	12.0	8.01	8.64	4.25	10.7	4.43	0.879	0.2	0.1	0.9	7.6	9.6	5.60					1986						
1987	7.55	9.89	11.9	7.03	12.2	8.6	1.6	0.5	0.2	0.16	6.73	5.10	5.92	Mar 04	127	0.124	0.124	1987						
1988	4.42	3.82	4.22	9.83	12.2	6.76	1.27	0.293	0.317	0.94	10.2	5.87	5.00	Nov 05	102	0.124	0.124	1988						
1989	2.74	2.31	2.77	10.6	9.59	4.17	2.46	0.627	0.264	6.46	3.50	6.33	4.33	Dec 03	90.5	0.198	0.128	1989						
1990	4.40	2.32	3.99	7.06	5.90	5.47	0.819	0.094	0.075	6.99	14.5	5.45	4.75	Nov 23	122	0.071	0.071	1990						
1991	2.43	12.2	1.57	5.37	5.00	1.95	0.407	4.63	0.573	0.216	6.87	10.4	4.19	Dec 26	136	0.206	0.178	1991						
1992	14.3	9.73	4.84	7.41	2.76	0.851	0.633	0.153	0.097	6.82	5.48	1.54	4.53	Jan 30	159	0.051	0.051	1992						
1993	2.93	2.98	7.79	13.0	13.6	4.63	2.33	1.03	0.253	1.04	2.50	8.04	5.03	Dec 03	119	0.091	0.079	1993						
1994	7.82	3.92	9.53	10.4	7.76	3.33	0.485	0.351	0.788	2.80	3.69	9.62	5.06	Mar 02	118	0.076	0.076	1994						
1995	11.0	8.36	8.48	7.25	17.7	7.93	1.04	0.738	0.482	6.37	17.6	12.0	8.24	Nov 17	170	0.242	0.242	1995						
1996	8.77	8.45	5.21	13.2	6.29	2.45	0.374	0.079	0.448	5.00	4.72	1.96	4.72	Apr 05	80.0	0.039	0.039	1996						
1997	7.44	2.28	5.74	9.34	16.1	8.34	2.19	1.73	5.82	13.3	8.39	5.16	7.18	Oct 10	200	0.175	0.175	1997						
1998	12.5	9.35	8.28	4.30	13.2	6.97	1.83	0.164	0.086	2.51	11.2	6.75	6.41	Nov 15	132	0.063	0.063	1998						
1999	6.90	3.46	4.16	6.81	12.8	18.6	16.6	4.21	0.540	3.03	14.4	5.86	8.13	Nov 09	93.0	0.285	0.248	1999						
2000	1.31	3.38	2.54	6.90	9.22	10.1	1.21	0.220	0.125	5.49	2.85	4.67	3.99	Jun 12	83.0	0.097	0.097	2000						
2001	4.94	1.34	3.96	6.16	7.80	4.26	0.827	1.59	0.681	1.78	11.1	3.28	3.98	Nov 15	113	0.227	0.227	2001						
Avg.	6.75	5.31	5.47	7.43	10.4	6.90	2.03	0.922	0.803	4.92	8.08	6.76	5.53		120	0.139	0.128	m³/s						
S. D.	6.75	5.73	5.70	8.12	10.3	6.04	2.15	0.938	0.675	4.17	7.62	6.29	1.27		46.1	0.080	0.074	m³/s						
Normal	210	163	178	245	319	182	66.9	29.2	20.3	130	230	196	2010		10-Year	0.039	0.038	m³/s						



CHEMAINUS RIVER NEAR WESTHOLME 08HA001

Location: 48°52'45"N, 123°42'07"W

Drainage Area = 355 km²

Median Elevation = 625 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	41.7	25.0	34.5	28.2	15.0	6.18	2.71	0.682	0.792	9.81	33.5	72.5	22.6	Dec 13	320	0.437	0.437	1966
1967	54.3	29.8	28.8	16.0	18.8	7.13	1.11	0.351	0.393	22.5	27.0	46.3	20.7	Jan 28	207	0.242	0.242	1967
1968	99.2	50.3	33.8	13.6	14.1	4.93	1.29	1.29	4.55	27.0	31.9	26.6	25.4	Jan 19	650	0.570	0.570	1968
1969	12.9	12.0	23.5	39.7	28.1	8.04	1.68	1.08	1.63	18.2	44.6	18.2	16.9	Dec 17	150	1.03	1.03	1969
1970	25.9	26.6	23.4	23.3	8.80	2.80	0.759	0.816	0.816	8.66	18.0	42.1	15.1	Apr 09	290	0.138	0.138	1970
1971	49.3	50.4	29.0	33.1	42.5	15.4	5.59	1.31	1.46	8.74	24.9	17.5	23.1	Feb 14	340	1.06	1.06	1971
1972	21	36	52	28	19	7.8	4.6	1.1	3.3	2.5	15	74.0	22	Dec 26	540			1972
1973	44.1	17.7	12.8	7.89	8.68	5.47	1.92	0.531	0.631	6.92	31	69	17	Jan 15	410	0.394	0.394	1973
1974	59	32.8	67.1	32.7	25.9	16.2	7.75	1.27	0.692	0.867	37	40	27	Jan 15	410	0.492	0.492	1974
1975	22.5	13.6	24.7	21.0	29.3	9.64	2.17	3.52	2.32	36.8	74.4	65.1	25.5	Dec 27	440	0.566	0.566	1975
1976	46.1	24.0	19.8	31.5	24.9	12.5	3.90	3.02	1.89	2.73	11.6	30.3	17.7	Dec 26	200	1.38	1.38	1976
1977	12.3	25.0	23.1	18.2	7.09	3.21	0.945	0.303	1.83	8.73	77.1	25.2	16.8	Nov 01	340	0.218	0.218	1977
1978	18.3	22.7	25.8	11.6	7.22	3.76	0.751	1.13	8.29	4.09	10.6	15.6	10.7	Mar 07	120	0.596	0.596	1978
1979	54.3	30.3	42.3	16.6	12.8	2.56	0.986	0.407	4.75	16.0	10.4	12.4	12.4	Dec 14	640	0.377	0.377	1979
1980	24.1	61.7	21.8	21.3	6.90	5.07	4.31	0.909	1.68	1.87	10.2	14.5	33.0	Dec 26	650	0.661	0.661	1980
1981	23.7	45.0	12.1	24.8	8.39	8.96	2.31	0.829	1.71	44.4	60.5	52.3	23.6	Oct 31	590	0.676	0.676	1981
1982	37.5	43.9	18.5	21.2	16.9	7.37	2.49	0.622	0.622	27.0	26.6	54.7	21.4	Dec 03	590	0.496	0.496	1982
1983	50.2	75.6	34.3	15.4	6.39	1.99	6.28	1.01	3.18	2.90	86.8	35.4	26.2	Feb 11	760	0.527	0.527	1983
1984	31.2	33.5	36.5	23.1	30.3	7.01	1.48	0.760	1.06	13.8	43.7	25.8	20.6	Dec 14	270	0.712	0.712	1984
1985	94.3	11.4	11.9	29.0	14.7	4.31	0.479	0.250	0.361	14.7	13.9	13.4	10.3	Oct 22	100	0.218	0.218	1985
1986	58.1	38.6	34.1	10.6	16.9	3.85	1.46	0.738	0.971	1.32	30.7	29.9	18.9	Jan 18	630	0.633	0.633	1986
1987	40.8	28.9	33.7	12.3	7.78	4.71	1.08	0.422	0.224	0.327	10.6	34.4	14.6	Mar 04	230	0.196	0.196	1987
1988	26.6	20.5	22.9	25.7	14.7	7.64	1.59	0.409	0.516	1.69	41.0	22.7	15.4	Jan 14	316	0.191	0.191	1988
1989	28.1	17.7	24.7	28.3	9.34	2.20	1.33	0.601	0.334	4.87	17.5	38.6	13.2	Dec 04	301	0.283	0.283	1989
1990	28.7	25.7	24.5	23.6	7.67	10.3	1.44	0.479	0.460	13.3	69.7	38.6	20.4	Dec 04	401	0.337	0.337	1990
1991	28.7	60.3	11.0	21.2	5.61	2.22	1.23	7.41	4.03	0.961	32.0	32.5	17.0	Feb 02	394	0.749	0.749	1991
1992	69.3	32.3	33.3	9.11	5.31	1.09	1.23	0.740	1.03	5.110	20.9	16.0	14.1	Jan 23	352	0.619	0.619	1992
1993	18.6	14.2	31.6	25.0	13.9	6.62	1.90	0.845	0.317	1.07	4.10	39.8	13.2	Dec 10	373	0.275	0.275	1993
1994	32.0	28.0	40.5	19.7	5.06	3.46	1.04	0.313	0.537	3.28	19.9	56.8	17.5	Dec 19	342	0.214	0.214	1994
1995	42.3	47.5	32.5	12.0	5.95	1.58	0.641	0.741	0.336	9.24	59.4	57.2	22.3	Nov 08	318	0.244	0.244	1995
1996	44.3	34.0	15.7	22.9	6.93	2.19	0.669	0.290	0.410	12.9	20.2	25.4	15.4	Jan 15	186	0.217	0.217	1996
1997	56.8	19.6	46.7	33.7	27.7	14.0	7.87	1.68	0.780	37.0	30.6	30.9	26.2	Mar 18	382	0.957	0.957	1997
1998	55.7	34.4	22.6	7.79	7.05	2.00	1.49	0.562	0.323	3.80	63.5	47.8	20.5	Dec 13	441	0.286	0.286	1998
1999	43.7	43.7	27.0	21.9	24.9	22.8	8.34	1.38	0.578	5.26	39.2	41.4	23.7	Jan 14	341	0.423	0.423	1999
2000	14.0	20.2	21.0	16.6	14.1	10.6	1.79	0.729	0.584	6.81	8.80	22.4	11.4	Oct 20	136	0.446	0.446	2000
2001	25.4	12.3	15.9	14.7	13.3	15.9	0.857	1.75	0.952	4.91	35.3	45.2	14.5	Dec 16	442	0.572	0.572	2001

Avg.

S. D.

Normal

Normal

m³/s

mm

10-Year

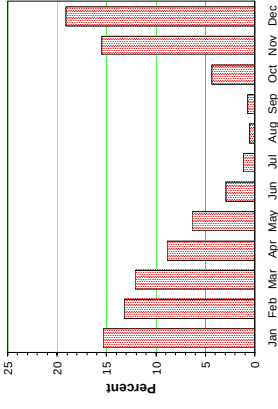
m³/s

mm

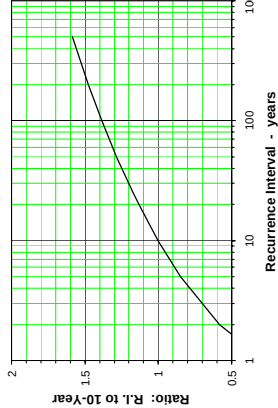
Annual Flow Variation



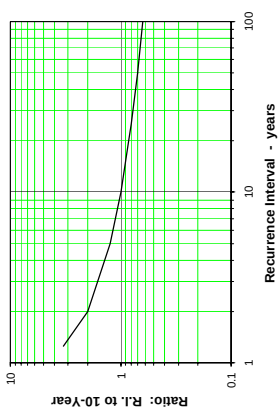
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



COMOX LAKE INFLOW

(Monthly Reservoir Data provided by BC Hydro is preliminary and subject to revision)

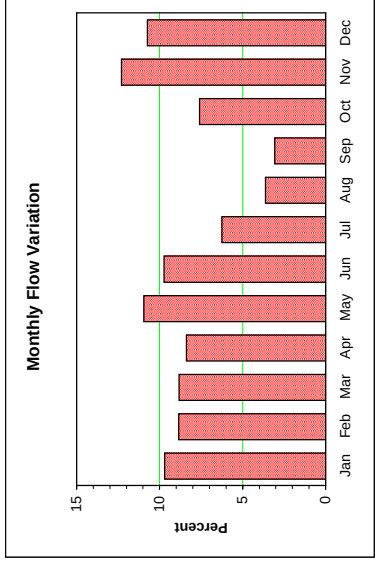
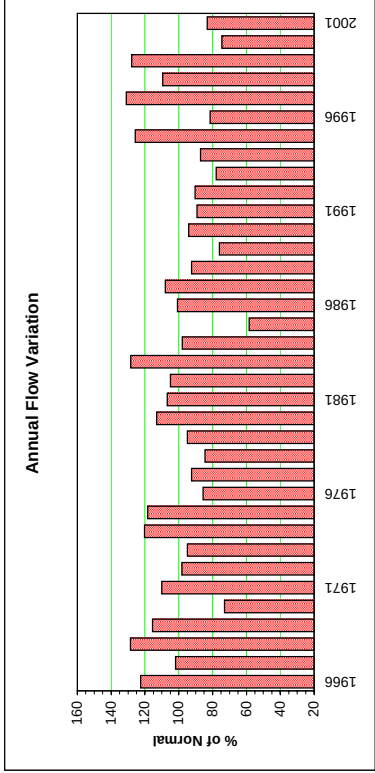
Location: 49°37'41"N, 125°04'14"W

Monthly and Annual Inflow in m³/s

Drainage Area = 470 km²

Median Elevation = 752 m

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	% of Normal	Year
1966	43.0	30.3	43.0	40.8	41.6	44.5	31.4	13.9	16.4	29.7	58.9	93.2	40.7	122	1966
1967	32.8	29.4	27.2	18.7	46.2	54.4	21.5	11.3	11.6	71.4	33.4	47.0	33.8	102	1967
1968	99.4	43.3	44.5	19.5	39.9	32.3	20.7	14.2	16.1	82.1	61.2	37.9	42.7	129	1968
1969	15.6	18.1	30.6	51.5	84.1	73.3	26.6	14.4	28.6	23.5	51.0	42.5	38.3	116	1969
1970	22.1	28.9	25.2	26.6	31.4	41.9	20.1	12.5	8.21	19.8	28.3	26.3	24.2	73	1970
1971	37.0	41.9	23.1	34.6	64.9	53.4	40.7	23.4	22.2	25.3	57.0	16.1	36.5	110	1971
1972	11.0	23.3	65.5	36.1	50.5	48.8	32.5	13.8	16.0	9.68	34.1	49.1	32.6	98	1972
1973	51.5	23.5	28.8	23.9	49.4	39.8	25.6	10.3	9.49	25.3	29.4	61.5	31.5	95	1973
1974	45.9	30.0	47.2	49.0	52.0	69.1	48.7	26.5	15.0	10.5	33.9	50.6	39.9	120	1974
1975	20.0	14.9	22.7	24.2	50.6	46.2	25.9	24.5	12.9	60.9	121	46.7	39.3	118	1975
1976	32.3	25.2	20.6	26.6	47.1	43.4	37.4	21.1	12.9	15.5	25.3	33.4	28.4	86	1976
1977	21.3	43.8	27.8	36.2	28.6	30.9	13.8	11.7	18.3	39.3	54.9	43.7	30.7	93	1977
1978	30.0	37.8	38.1	28.3	32.6	36.4	21.4	27.6	31.4	16.9	25.3	12.4	28.1	85	1978
1979	7.36	24.6	41.9	29.7	43.0	23.8	20.4	9.6	38.1	42.9	22.5	72.8	31.5	95	1979
1980	25.5	52.3	29.8	42.2	37.6	34.5	28.3	9.7	11.9	14.3	68.4	96.8	37.5	113	1980
1981	58.9	47.0	22.4	29.4	30.9	21.4	18.1	8.1	17.2	54.7	78.6	40.1	35.5	107	1981
1982	18.3	37.0	24.7	22.4	45.9	66.9	25.5	11.2	9.20	74.4	32.8	49.7	34.9	105	1982
1983	69.5	78.2	54.9	31.4	46.8	45.3	30.2	18.3	10.1	21.1	93.7	15.4	42.6	128	1983
1984	43.6	42.8	37.9	30.1	35.2	36.6	25.6	12.0	9.74	57.2	37.7	22.0	32.5	98	1984
1985	12.3	13.8	21.0	34.5	37.9	26.3	11.9	6.9	7.99	27.0	15.2	17.9	19.4	58	1985
1986	63.4	43.0	46.7	21.6	46.6	33.4	15.8	6.88	4.96	21.3	41.7	55.8	33.4	101	1986
1987	56.0	55.4	59.0	30.9	46.2	44.9	21.2	9.46	9.54	15.1	45.5	38.3	35.8	108	1987
1988	28.7	26.4	28.7	45.6	49.2	39.6	22.4	10.9	8.35	20.2	58.3	30.2	30.7	92	1988
1989	20.7	17.1	22.4	50.5	36.9	29.4	18.4	9.40	4.96	27.3	29.3	36.2	25.2	76	1989
1990	31.1	20.2	24.4	32.0	29.5	34.8	13.7	7.65	5.38	43.6	92.8	40.2	31.3	94	1990
1991	24.3	76.1	12.5	23.3	27.5	20.1	15.6	34.9	12.0	7.48	51.8	53.8	29.6	89	1991
1992	80.3	55.5	28.1	33.3	24.0	21.0	11.7	6.34	5.52	40.0	38.2	17.1	30.0	90	1992
1993	17.0	23.6	40.6	39.6	57.1	30.9	14.2	10.1	3.74	7.93	18.5	46.1	25.8	78	1993
1994	44.1	29.5	55.1	37.8	28.7	25.0	12.4	5.78	6.77	15.3	27.6	58.5	28.9	87	1994
1995	53.8	57.0	43.5	27.8	49.6	37.6	22.3	10.7	4.96	33.6	95.9	65.8	41.8	126	1995
1996	48.1	45.9	28.4	58.3	25.4	21.2	13.4	5.49	6.45	64.5	29.0	19.6	27.1	82	1996
1997	46.8	21.9	41.8	45.5	63.8	51.7	30.2	19.2	31.5	68.0	58.2	41.5	43.5	131	1997
1998	72.2	57.7	38.1	16.9	47.9	37.2	23.5	6.78	4.03	19.7	63.9	49.5	36.3	109	1998
1999	42.4	38.6	31.3	34.8	51.8	73.6	61.1	32.5	9.89	16.5	76.0	41.4	42.5	128	1999
2000	15.0	24.6	21.6	31.1	38.1	46.2	24.4	10.7	7.13	28.8	21.8	27.4	24.7	74	2000
2001	31.4	13.2	23.1	28.8	34.7	27.8	16.4	18.3	9.52	17.2	80.4	30.3	27.6	83	2001
Avg.	38.1	35.9	33.9	33.2	43.1	40.1	24.0	14.1	12.7	31.3	49.8	42.4	33.2	m³/s	
S. D.	37.6	37.6	34.2	33.6	42.5	39.0	24.2	14.0	12.3	29.5	49.3	41.7	32.9	m³/s	
Normal	214	195	195	185	242	215	138	80	68	168	272	237	2210	mm	



CRUICKSHANK RIVER NEAR THE MOUTH 08HB074

Location: 49°34'45"N, 125°12'03"W

Drainage Area = 213 km² Median Elevation = 976 m Instantaneous Peak Flow 7-Day Low Flow

Monthly and Annual Discharge in m³/s

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966													23					1966
1967													17					1967
1968													24					1968
1969													22					1969
1970													14					1970
1971													18					1971
1972													19					1972
1973													20					1973
1974													20					1974
1975													20					1975
1976													13					1976
1977													17					1977
1978													15					1978
1979													17					1979
1980													19					1980
1981													19					1981
1982	8.6	18	13	12	26.2	48.0	18.4	6.91	4.76	59.6	13.1	15.2	20.3	Oct 22	442	3.41	2.96	1982
1983	25.4	39.5	34.2	15.5	35.7	33.1	21.0	9.12	6.49	13.2	49.6	4.05	23.8	Feb 11	299	4.02	2.35	1983
1984	23.3	19.5	20.0	14.2	19.3	28.9	21.0	8.93	5.16	36.5	15.8	10.5	18.6	Oct 09	330	3.66	3.24	1984
1985	5.59	4.65	5.16	16.9	24.0	19.2	10.5	4.97	4.22	12.9	7.45	7.76	10.3	Oct 20	62.4	3.05	2.45	1985
1986	27.8	25.1	27.0	13.1	31.5	28.1	12.7	5.96	3.60	6.95	17.4	26.9	18.8	Mar 26	205	2.95	2.46	1986
1987	24.3	26.6	37.2	19.1	32.0	27.9	13.0	7.30	5.43	2.63	23.8	15.3	19.5	Mar 05	319	4.34	1.87	1987
1988	11.8	12.6	12.8	23.4	31.4	29.5	20.7	10.3	4.65	6.74	29.8	19.6	17.8	Nov 05	274	3.41	3.41	1988
1989	8.53	7.50	8.03	23.5	25.9	23.7	13.3	5.93	3.07	10.0	17.1	21.0	14.5	Dec 04	244	2.55	2.53	1989
1990	12.5	7.37	10.7	17.3	18.9	21.7	8.58	4.24	2.90	24.8	55.6	19.6	17.0	Nov 11	440	2.44	2.44	1990
1991	7.80	35.2	7.17	11.4	17.2	14.1	8.61	38.6	10.5	2.73	18.8	22.5	16.1	Aug 29	421	3.86	2.31	1991
1992	33.5	28.2	14.3	18.9	16.4	14.4	7.89	4.30	3.97	20.1	26.0	11.0	16.5	Jan 30	330	3.49	2.57	1992
1993	14.8	13.7	20.0	17.9	37.5	25.3	10.0	6.78	3.54	4.75	7.70	21.7	15.3	Dec 03	253	2.30	2.16	1993
1994	29.3	18.0	25.1	20.9	19.8	17.0	8.81	4.10	4.29	7.50	10.1	24.2	15.8	Mar 02	300	3.00	2.64	1994
1995	32.2	29.6	26.4	14.6	31.5	30.1	20.2	9.79	4.79	19.1	61.9	40.8	26.7	Nov 18	350	3.98	3.98	1995
1996	27.3	20.5	10.5	16.6	14.1	14.5	10.6	5.42	4.67	11.9	17.0	8.43	13.4	Jan 11	88.3	3.62	3.46	1996
1997	17.7	10.3	15.5	21.7	37.1	35.4	24.2	13.2	17.3	35.2	27.4	17.4	22.8	Oct 01	255	5.93	5.93	1997
1998	29.0	25.6	22.7	11.1	32.3	34.0	20.0	5.87	3.06	5.70	19.3	19.8	19.0	Dec 12	146	2.75	2.75	1998
1999	19.2	11.8	11.8	17.0	27.9	44.8	43.2	26.5	7.88	8.31	35.4	18.7	22.8	Nov 07	169	6.32	4.72	1999
2000	6.71	9.84	8.67	16.4	21.7	31.8	11.5	8.66	5.32	14.2	10.3	11.5	13.7	Oct 20	123	3.55	2.75	2000
2001	14.8	5.77	10.5	15.8	23.8	21.7	11.2	12.1	6.39	9.58	44.1	13.3	15.8	Nov 15	302	4.42	3.66	2001

Avg.

S. D.

Normal

Normal

m³/s

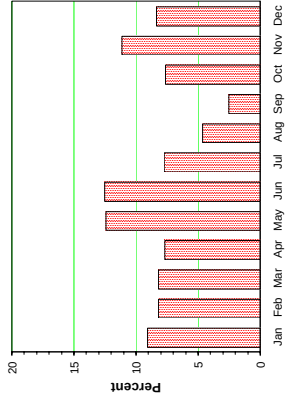
mm

10-Year

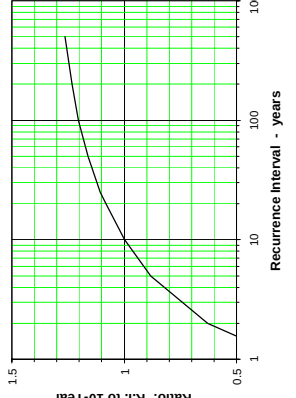
Annual Flow Variation



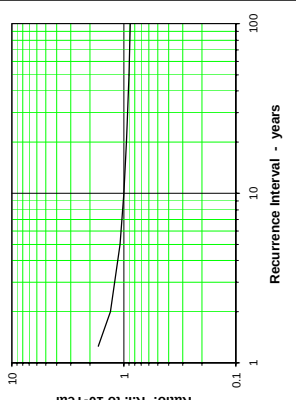
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



CUSHEON LAKE NET INFLOW

Location: 48°48'43"N, 123°27'26"W

Monthly and Annual Discharge in m³/s

Drainage Area =

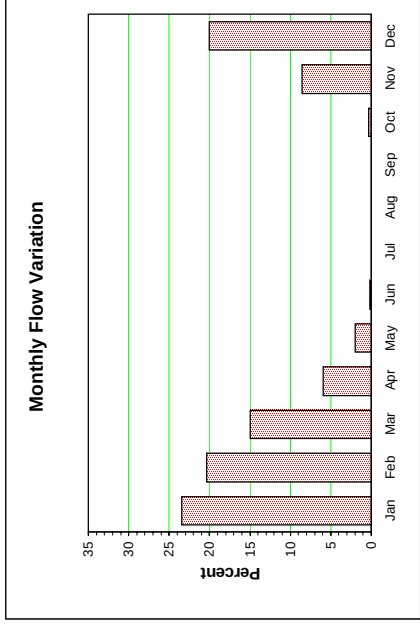
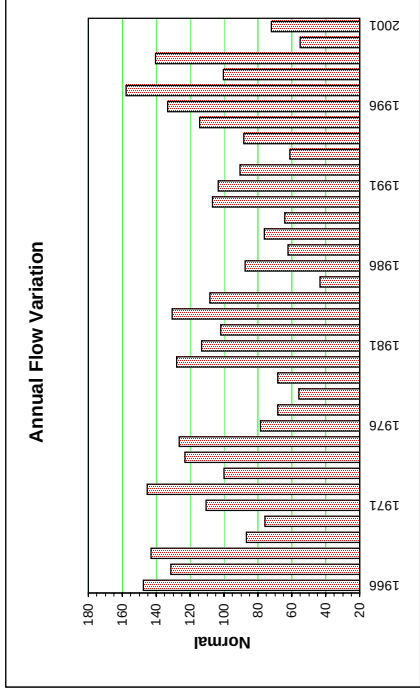
8.31 km²

Median Elevation = 150 m

% of

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Normal	Year
1966													0.204	148	1966
1967													0.182	131	1967
1968													0.198	143	1968
1969													0.120	87	1969
1970													0.105	76	1970
1971													0.153	110	1971
1972													0.201	145	1972
1973													0.138	100	1973
1974													0.170	123	1974
1975													0.175	126	1975
1976									0.000	0.000	0.009	0.020	0.109	79	1976
1977									-0.001	0.004	0.104	0.430	0.094	68	1977
1978									0.002	-0.002	0.012	0.045	0.077	56	1978
1979									0.000	0.004	0.004	0.474	0.094	68	1979
1980									0.000	-0.003	0.161	0.598	0.177	128	1980
1981									-0.001	0.013	0.227	0.554	0.157	113	1981
1982									-0.013	0.006	0.019	0.294	0.141	102	1982
1983									-0.011	0.002	0.577	0.285	0.180	130	1983
1984									-0.006	0.007	0.325	0.444	0.150	108	1984
1985									-0.007	0.011	0.017	0.059	0.060	43	1985
1986									-0.007	0.001	0.070	0.154	0.121	88	1986
1987									-0.009	-0.005	0.009	0.161	0.086	62	1987
1988									-0.002	0.006	0.205	0.337	0.106	76	1988
1989									-0.010	-0.001	0.013	0.088	0.089	64	1989
1990									-0.012	-0.054	0.286	0.583	0.148	107	1990
1991									-0.004	-0.003	0.120	0.188	0.143	103	1991
1992									-0.006	0.004	0.065	0.110	0.125	91	1992
1993									-0.014	0.001	0.004	0.124	0.085	61	1993
1994									-0.002	-0.001	0.038	0.546	0.122	88	1994
1995									0.005	-0.006	0.228	0.523	0.158	114	1995
1996									0.002	0.013	0.277	0.645	0.184	133	1996
1997									0.005	0.113	0.233	0.240	0.218	158	1997
1998									-0.009	0.005	0.257	0.469	0.139	101	1998
1999													0.194	141	1999
2000													0.076	55	2000
2001													0.100	72	2001

Avg.	0.375	0.357	0.239	0.097	0.032	0.003	-0.007	-0.012	-0.003	0.005	0.142	0.320	0.138	m ³ /s
S. D.	0.375	0.357	0.239	0.097	0.032	0.003	-0.007	-0.012	-0.003	0.005	0.142	0.320	0.136	m ³ /s
Normal	121	105	77.1	30.4	10.4	0.990	-2.32	-3.86	-0.986	1.61	44.2	103	515	mm



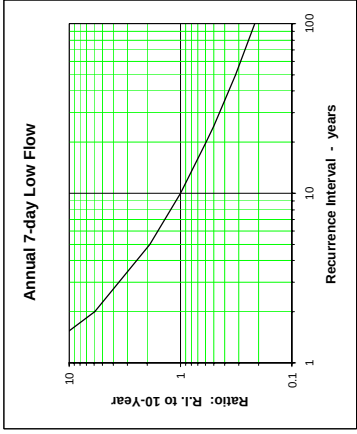
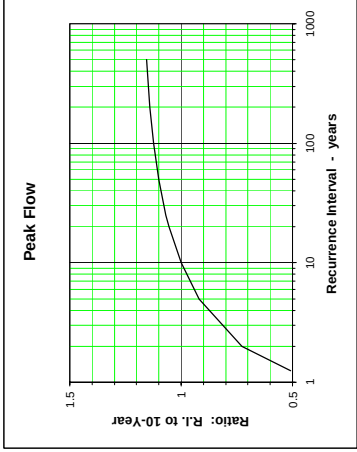
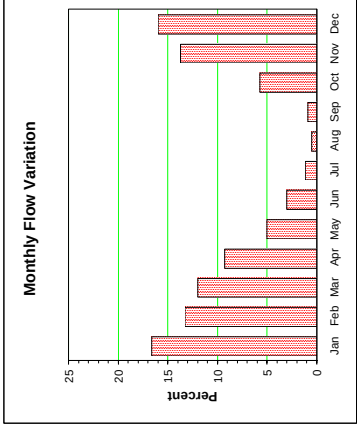
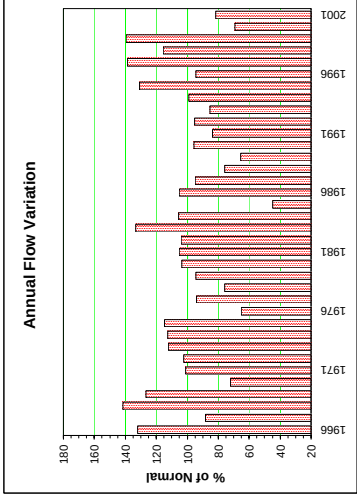
DOVE CREEK NEAR THE MOUTH 08HB075

Location: 49°44'13"N, 125°05'00"W

Drainage Area = 46.6 km² Median Elevation = 270 m Instantaneous Peak Flow 7-Day Low Flow

Monthly and Annual Discharge in m³/s

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	0.585	1.02	1.35	2.53	1.25	0.173	0.006	0.004	0.164	1.64	0.656	1.34	0.892	Oct 21	25.1	0.001	0.001	1966
1967	6.21	2.97	3.41	1.40	1.62	0.53	0.17	0.01	0.01	0.148	2.66	5.92	2.09	Dec 22	44.6	0.001	0.001	1967
1968	5.29	4.87	4.46	1.19	0.974	0.395	0.048	0.011	0.002	0.003	1.68	3.91	1.89	Mar 04	42.6	0.001	0.001	1968
1969	2.70	1.51	2.11	2.48	1.23	0.448	0.059	0.013	0.017	0.106	5.05	2.43	1.51	Nov 05	35.6	0.001	0.001	1969
1970	1.72	1.57	2.55	2.94	0.997	0.113	0.464	0.140	0.045	1.54	1.15	2.76	1.30	Dec 04	36.2	0.027	0.027	1970
1971	3.03	2.17	2.02	1.27	0.647	1.72	0.219	0.066	0.003	1.87	6.21	3.75	1.90	Nov 23	46	0.000	0.000	1971
1972	1.60	6.75	0.961	1.60	0.416	0.199	0.157	0.548	0.326	0.099	3.70	4.09	1.67	Nov 19	53.7	0.054	0.054	1972
1973	8.95	4.72	0.905	1.09	0.277	0.095	0.057	0.001	0.006	2.22	3.01	1.44	1.89	Jan 30	59.8	0.000	0.000	1973
1974	1.97	1.28	3.64	4.05	1.27	1.57	0.559	0.147	0.013	0.304	0.737	4.77	1.70	Dec 03	41.9	0.006	0.006	1974
1975	3.73	3.34	3.79	2.15	0.419	0.357	0.081	0.081	0.204	0.888	2.80	5.85	1.97	Dec 19	46.9	0.024	0.024	1975
1976	5.42	3.63	4.17	1.83	1.02	0.204	0.037	0.182	0.135	0.677	5.79	5.79	2.60	Nov 18	61.4	0.023	0.023	1976
1977	3.33	4.15	2.32	5.23	1.27	0.109	0.025	0.005	0.130	1.97	1.95	2.23	1.88	Apr 05	17.9	0.004	0.004	1977
1978	3.96	1.64	3.88	3.07	2.53	1.66	0.974	0.578	0.225	4.90	3.76	3.82	2.76	Oct 10	52.3	0.071	0.071	1978
1979	7.25	5.19	2.50	0.617	0.634	0.167	0.302	0.019	0.000	1.05	5.47	4.56	2.30	Jan 23	59.3	0.000	0.000	1979
1980	4.38	6.04	3.74	2.54	3.31	2.73	1.00	0.081	0.026	0.853	5.32	3.60	2.78	Nov 09	42.5	0.009	0.009	1980
1981	1.36	2.99	2.57	1.40	1.18	0.992	0.124	0.019	0.012	1.56	1.50	2.84	1.37	Oct 20	17.3	0.002	0.002	1981
1982	2.67	1.41	1.72	1.68	0.845	0.164	0.031	0.172	0.057	0.723	5.66	4.35	1.62	Nov 15	44.8	0.011	0.011	1982
Avg.	3.77	3.25	2.71	2.18	1.15	0.684	0.254	0.119	0.200	1.29	3.42	3.73	1.99		42.9	0.015	0.015	m ³ /s
S. D.													0.464		13.2	0.022	0.022	m ³ /s
Normal	3.84	3.37	2.77	2.21	1.17	0.716	0.268	0.115	0.209	1.33	3.28	3.69	1.96		60.5	0.000	0.001	m ³ /s
Normal	221	176	159	123	67	40	15	7	12	76	182	212	1330	10-Year				mm



ELK RIVER ABOVE CAMPBELL LAKE 08HD018 (CORRECTED FOR DIVERSION FROM HEBER RIVER & CREST LAKE)

Location: 49°51'20"N, 125°48'18"W

Instantaneous Peak Flow

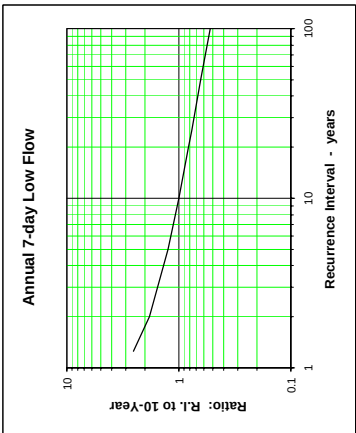
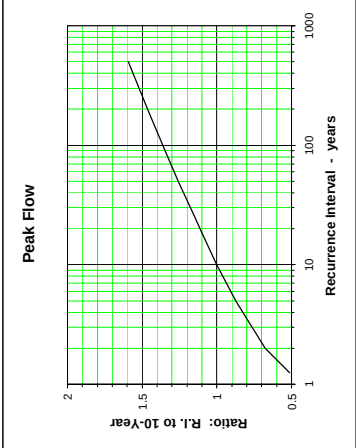
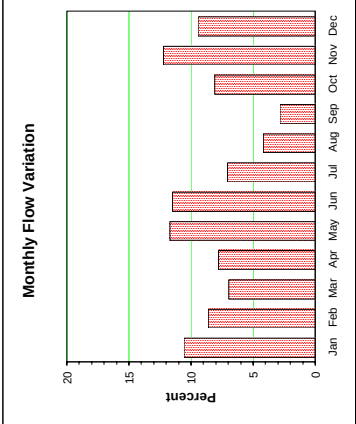
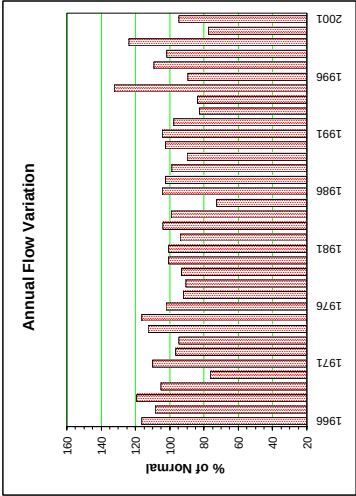
Median Elevation = 1090 m

Drainage Area = 117 km²

Monthly and Annual Discharge in m³/s

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966													11					1966
1967													9.9					1967
1968													11					1968
1969													9.6					1969
1970													7.0					1970
1971													10					1971
1972													8.8					1972
1973													8.6					1973
1974													10					1974
1975													11					1975
1976													9.3					1976
1977													8.4					1977
1978													8.2					1978
1979													8.5					1979
1980													9.2					1980
1981													9.2					1981
1982													8.6					1982
1983													9.5					1983
1984													9.0					1984
1985													6.6					1985
1986													9.5					1986
1987													9.3					1987
1988													9.0					1988
1989													8.2					1989
1990													9.4					1990
1991	11	26	2.7	5.9	8.9	8.3	5.5	7.8	3.9	1.9	20	14	9.52			1.90	0.936	1991
1992	22	15	7.3	7.9	8.5	7.8	3.0	1.8	2.6	1.3	12	5.6	8.88	Oct 23	177	0.950	0.950	1992
1993	3.9	6.2	10	6.9	17	11	3.6	3.6	1.2	3.0	11	13	7.53	Dec 03	148	0.644	0.595	1993
1994	12	4.1	14	12	10	8.9	4.6	2.1	2.2	3.9	4.4	13	7.65	Mar 02	101	1.19	0.903	1994
1995	8.0	13	7.6	9.1	20	16	8.7	4.4	2.8	18	25	13	12.1	Nov 08	186	2.01	2.01	1995
1996	18	13	8.6	11	4.6	8.1	4.8	2.9	2.9	9.6	11	4.0	8.14	Apr 05	120	1.96	1.74	1996
1997	11	6.9	8.7	11	15	12	6.5	3.2	6.1	16	14	9.0	9.94	Nov 03	111	1.96	1.96	1997
1998	13	9.2	7.6	5.1	17	14	7.7	2.5	1.5	6.3	15	12	9.27	Nov 12	120	1.00	1.00	1998
1999	11	4.8	4.0	7.6	12	24	22	12	4.3	6.0	16	10	11.3	Nov 07	75.4	3.25	2.38	1999
2000	3.1	2.8	3.1	10	12	17	9.3	4.4	3.7	8.0	6.1	5.9	7.05	Oct 20	70.7	2.18	1.57	2000
2001	7.1	2.8	5.0	7.1	12	13	7.6	5.9	3.4	9.6	22	7.2	8.62	Nov 15	113	2.01	1.52	2001
Avg.	10.9	9.38	7.17	8.44	12.5	12.7	7.55	4.58	3.15	8.70	14.2	9.82	9.11		122	1.73	1.41	m³/s
S. D.													1.19		38.4	0.736	0.572	m³/s
Normal	11.2	10.0	7.4	8.6	12.5	12.7	7.54	4.44	3.12	8.6	13.5	10.1	9.05					m³/s
Normal	257	210	169	190	286	281	173	102	69	197	299	231	2440		175	0.843	0.736	m³/s



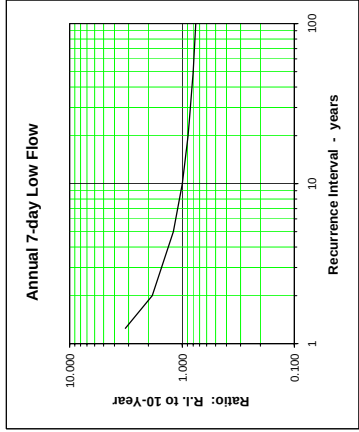
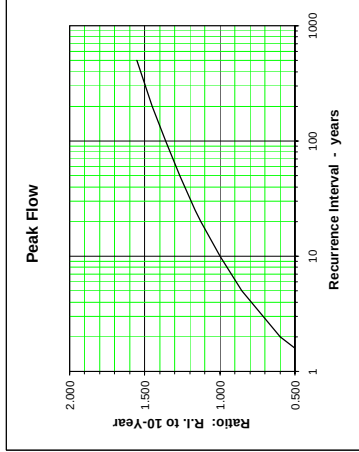
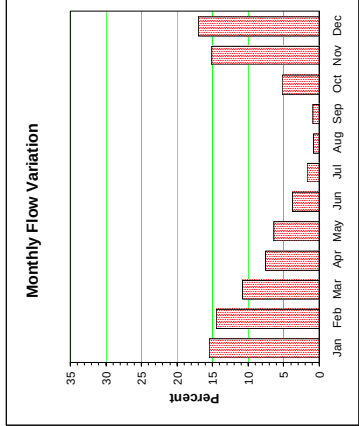
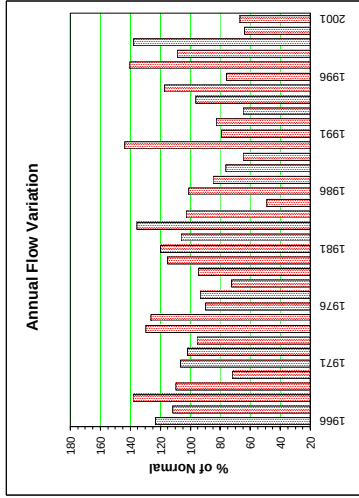
ENGLISHMAN RIVER NEAR PARKSVILLE 08HB002

Location: 49°19'00"N, 124°16'58"W

Drainage Area = 324 km² Median Elevation = 571 m 7-Day Low Flow

Monthly and Annual Discharge in m³/s

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966													17					1966
1967													16					1967
1968													19					1968
1969													15					1969
1970													10			0.257	0.257	1970
1971	14.1	20.0	13.1	14.1	10.8	6.38	1.43	0.651	0.88	4.77	17.5	18.8	15			1.21	1.21	1971
1972	22.0	34.0	13.8	17.6	21.5	13.3	7.11	2.06	2.04	6.70	29.3	12.4	14					1972
1973													13					1973
1974													18					1974
1975													18					1975
1976													13					1976
1977													13					1977
1978													10					1978
1979													13.3	Dec 17	593	0.553	0.553	1979
1980	4.60	24.4	26.8	6.37	9.82	2.85	2.40	0.652	6.06	12.9	8.05	54.5	16.2	Dec 26	602	0.673	0.673	1980
1981	19.8	29.5	13.1	17.4	7.19	5.94	3.39	0.843	1.21	1.61	41.7	53.3	16.8	Dec 05	475	0.496	0.496	1981
1982	19.2	34.6	7.85	17.3	9.56	4.95	1.75	0.647	2.84	21.5	39.2	44.0	14.9	Dec 03	302	0.521	0.521	1982
1983	17.5	33.1	13.0	10.3	13.9	12.0	3.50	1.03	0.708	22.8	11.8	40.0	14.9	Nov 15	601	0.574	0.480	1983
1984	33.6	57.1	31.9	10.0	10.1	6.59	5.16	1.04	0.969	2.96	61.1	11.5	19.0	Jan 04	412	0.424	0.424	1984
1985	32.0	24.3	16.4	10.5	13.8	7.33	2.84	0.721	1.21	10.3	6.9	17.1	6.90	Oct 22	96	0.289	0.289	1985
1986	6.48	9.18	6.11	16.8	10.9	4.64	1.29	0.498	0.854	10.3	19.6	31.6	14.2	Feb 24	426	0.347	0.347	1986
1987	42.9	29.9	20.3	6.32	11.3	4.88	1.79	0.529	0.417	1.29	6.8	20.9	11.9	Jan 12	200	0.307	0.276	1987
1988	35.2	22.7	30.5	10.5	8.11	5.94	1.55	0.579	0.335	0.289	11.0	16.6	10.7	Jan 14	228	0.296	0.296	1988
1989	18.3	11.5	13.9	18.7	12.9	8.32	3.07	0.868	0.701	1.84	24.4	16.4	9.12	Dec 04	231	0.524	0.319	1989
1990	18.3	10.0	15.0	17.4	7.97	4.32	1.93	0.869	0.402	5.79	11.0	57.7	20.2	Nov 23	454	0.283	0.283	1990
1991	19.9	18.9	13.4	12.3	6.35	6.65	1.32	0.376	1.02	21.6	83.1	13.7	10.7	Feb 02	341	0.347	0.347	1991
1992	17.9	42.0	6.60	11.3	4.55	2.15	0.891	7.10	3.10	0.636	19.2	21.2	11.2	Feb 20	369	0.266	0.266	1992
1993	54.9	29.4	8.12	7.55	4.65	1.31	1.04	0.415	0.842	6.87	16.0	8.62	11.6	Jan 30	269	0.195	0.159	1993
1994	12.6	11.0	21.8	14.2	11.1	6.17	1.34	0.498	0.248	1.13	3.59	25.5	9.12	Dec 10	324	0.353	0.353	1994
1995	25.6	20.7	32.4	11.5	5.55	4.06	1.14	0.477	0.462	3.36	15.6	41.8	13.6	Mar 02	324	0.264	0.264	1995
1996	25.2	34.1	21.9	9.33	7.95	4.09	1.62	0.905	0.495	7.49	44.6	13.7	10.7	Nov 18	241	0.227	0.227	1996
1997	28.5	26.8	11.3	15.2	8.05	3.41	1.16	0.326	0.496	8.29	11.5	27.4	14.0	Feb 18	182	0.523	0.487	1997
1998	43.4	15.10	34.5	19.9	19.6	9.48	5.37	1.98	5.62	28.4	28.1	23.8	19.7	Mar 18	343	0.895	0.895	1998
1999	42.6	27.9	14.6	6.35	8.35	4.00	1.63	0.394	0.338	2.34	36.9	38.8	15.3	Dec 13	351	0.183	0.183	1999
2000	37.1	37.9	10.5	17.5	19.2	18.0	10.5	4.38	2.11	4.87	34.0	26.9	19.4	Jan 14	273	1.65	1.02	2000
2001	9.40	16.3	13.2	10.9	10.3	8.50	2.59	2.29	1.58	8.59	8.38	15.5	8.99	Oct 20	125	0.938	0.830	2001
2001	18.1	6.71	10.6	9.36	7.91	3.51	1.52	2.51	1.72	3.27	26.3	23.2	9.41	Dec 16	258	1.21	1.21	2001
Avg.	24.6	25.1	17.3	12.7	10.5	6.35	2.69	1.31	1.46	8.27	25.4	27.4	14.0		335	0.377	0.311	m ³ /s
S. D.													3.55		143			m ³ /s
Normal	25.4	26.1	17.7	12.8	10.6	6.47	2.80	1.28	1.47	8.64	25.7	27.9	13.9		532	0.218	0.208	m ³ /s
Normal	210	197	147	103	87.4	51.8	23.1	10.6	11.8	71.4	206	231	1360	10-Year				m ³ /s



GOLD RIVER BELOW UCONA RIVER 08HC001 (CORRECTED FOR DIVERSION TO HEBER)

Location: 49°42'21"N, 126°06'22"W

Monthly and Annual Discharge in m³/s

Drainage Area = 1010 km²

Median Elevation =

757 m

Instantaneous Peak Flow
(not corrected)

7-Day Low Flow
(not corrected)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Jun-Sep	Annual	Year	
1966	130	67.3	132	108	104	113	62.7	21.1	45.2	166	119	256	111	13.3	1700	Dec 19	1966
1967	120	95.4	56.2	42.5	140	135	35.4	12.1	31.0	272	97.3	166	100	8.75	1600	Dec 10	1967
1968	307	132	99.7	64.7	95.6	59.4	39.6	17.2	52.1	202	195	102	114	9.36	2500	Jan 19	1968
1969	48.6	66.9	68.2	132	212	152	37.8	27.9	83.2	78.6	189	112	100	14.1	1300	Nov 19	1969
1970	58.1	72.1	59.5	96.2	97	59.1	22.5	13.1	24.5	57.2	63.4	48.9	55.7	6.18	700	Apr 05	1970
1971	176	134	45.4	73.5	140	141	66.3	35.6	87.4	101	192	28.6	101	17.6	1400	Nov 09	1971
1972	29.2	64.2	191	80.4	163	162	83.5	22.7	64.9	12.9	98.9	158	94.4	7.47	1400	Mar 17	1972
1973	170	49.8	47.5	59.7	100	53.7	37.7	11.8	9.56	117	53.7	163	78.1	7.47	1100	Oct 27	1973
1974	164	74.6	103	110	117	156	101	36.9	23.0	27.3	149	171	103	5.20	2300	Jan 15	1974
1975	56.3	36.0	49.1	54.1	116	102	40.5	40.0	19.3	140	356	178	99.1	9.55	2800	Nov 13	1975
1976	111	54.1	59.6	67.5	146	128	90.5	41.4	39.9	65.2	98.3	184	90.7	16.7	991	Dec 15	1976
1977	498.6	117	70.3	93.5	58.4	51.9	25.8	11.3	20.4	109	168	117	73.9	9.21	1250	Oct 23	1977
1978	51.0	70.1	109	41.6	53.8	54.4	19.3	29.2	84.0	71.7	84.0	48.2	59.6	8.55	1200	Nov 07	1978
1979	23.7	83.8	145	74.9	100	57.9	36.7	8.77	83.4	89.5	52.1	204	80.1	7.54	1420	Dec 17	1979
1980	52.3	101	62.3	91.5	73.4	46.3	30.9	8.87	43.4	36.9	187	263	82.9	6.65	1720	Dec 26	1980
1981	90.2	87.6	28.3	106	75.6	57.4	18.1	5.61	47.4	153	154	88.6	75.7	3.76	1740	Oct 31	1981
1982	68.8	113	48.2	44.1	104	117	37.9	14.1	23.3	180	82.3	107	78.2	9.47	1110	Oct 25	1982
1983	198	184	94.2	57.6	76.9	65.9	62.2	15.2	18.0	85.3	183	39.5	89.3	8.05	1260	Feb 11	1983
1984	166	105	96.9	74.7	93.7	74.7	50.0	17.2	41.5	158	107	64.9	87.6	12.5	1510	Jan 04	1984
1985	47.5	48.1	33.3	109	102	48.3	16.7	6.05	4.81	69.8	44.5	35.0	47.0	3.57	507	Apr 01	1985
1986	187	118	151	58.3	128	64.8	32.0	7.82	6.13	21.2	157	152	90.2	4.25	1300	Nov 23	1986
1987	177	157	138	96.5	104	117	30.0	8.54	19.5	13.4	158	101	92.8	5.10	1610	Jan 11	1987
1988	84.5	117	90.9	124	134	95.7	51.9	19.7	18.3	55.6	170	91.0	87.4	6.42	1030	Nov 05	1988
1989	103	37.2	39.7	132	89.7	59.4	25.5	10.7	5.05	80.7	175	124	73.6	3.63	1720	Nov 09	1989
1990	107	75.6	72.4	90.1	56.4	56.3	18.8	6.53	5.30	183	337	129	94.7	4.27	2160	Nov 23	1990
1991	90.2	225	25.1	55.4	55.7	32.5	22.0	62.2	18.9	6.63	201	187	80.7	7.11	2200	Nov 19	1991
1992	251	155	49.3	49.5	44.0	23.3	9.76	6.59	18.1	129	128	51.1	128	4.47	1470	Oct 23	1992
1993	50.2	67.8	132	78.3	121	62.8	22.4	20.2	7.79	21.7	89.4	151	68.8	4.83	1360	Dec 03	1993
1994	119	75.1	147	101	53.0	54.4	20.4	8.68	15.8	74.1	83.8	163	117	6.01	1100	Mar 01	1994
1995	115	165	95.2	76.8	108	137	34.8	23.9	13.7	201	335	175	117	8.37	2190	Nov 08	1995
1996	180	91.4	57.7	175	59.4	43.1	19.6	9.00	19.9	112	94.8	62.5	76.8	7.37	1410	Apr 05	1996
1997	145	76.8	121	127	171	130	73.1	28.5	81.8	216	187	177	128	9.45	1060	Nov 03	1997
1998	188	128	87.8	46.5	91.5	54.1	28.0	6.74	4.53	53.4	170	159	84.6	3.67	1040	Nov 12	1998
1999	123	95.5	63.2	86.1	129	180	113	59.9	26.5	61.8	189	134	105	14.9	949	Nov 09	1999
2000	40.6	58.8	57.3	93.8	107	92.0	48.1	28.9	23.9	90.2	73.2	77.1	65.7	11.7	843	Oct 20	2000
2001	81.3	47.1	86.1	85.9	98.0	74.4	29.4	49.0	33.8	101	239	92.7	83.2	12.2	1170	Nov 15	2001

S. D.

Normal

m³/s

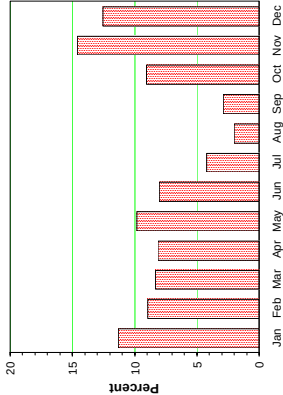
mm

10-Year

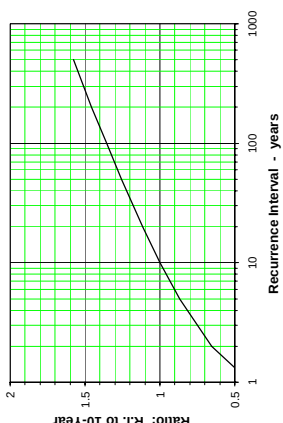
Annual Flow Variation



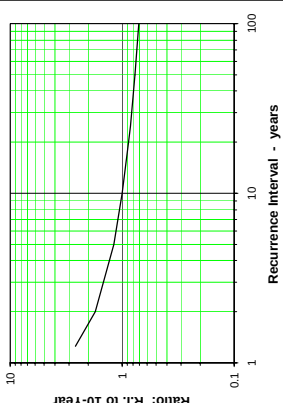
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



JORDAN RESERVOIR INFLOW

(Monthly Reservoir Data provided by BC Hydro is preliminary and subject to revision)

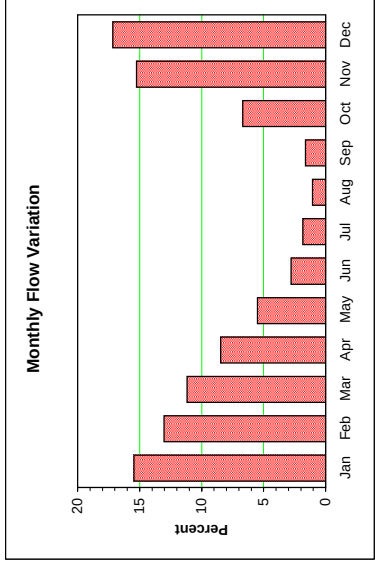
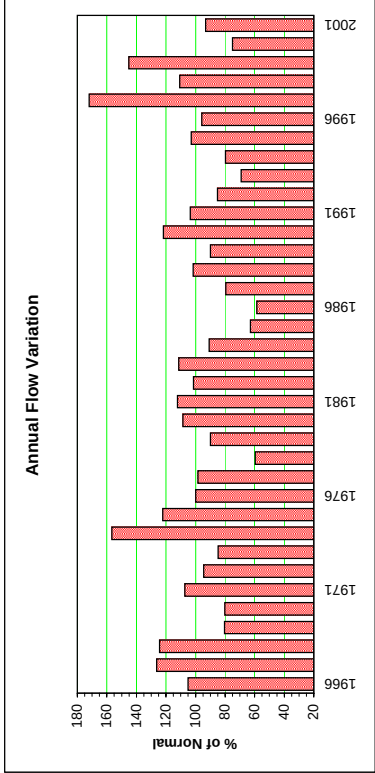
Location: 48°28'37"N, 123°59'46"W

Monthly and Annual Inflow in m³/s

Drainage Area = 144 km²

Median Elevation = 640 m

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	% of Normal	Year
1966	23.8	8.58	12.5	15.7	7.45	4.22	2.18	0.821	1.22	8.78	18.1	40.5	12.0	105	1966
1967	33.7	24.9	22.7	4.81	6.80	2.83	0.283	1.42	1.70	28.3	14.2	31.7	14.4	126	1967
1968	40.8	19.8	16.1	9.34	6.23	2.83	1.13	1.70	12.46	16.1	17.6	26.6	14.2	124	1968
1969	7.65	5.95	15.3	18.4	13.9	4.81	1.70	2.55	6.51	6.23	9.06	18.1	9.20	80	1969
1970	16.1	14.2	10.2	21.8	14.3	1.33	0.934	1.19	1.84	6.29	12.7	19.5	9.18	80	1970
1971	24.6	23.2	17.6	12.2	15.3	8.98	3.31	6.31	2.69	6.09	22.8	5.18	12.3	107	1971
1972	4.90	11.6	25.3	15.0	11.0	5.10	4.59	1.36	3.79	1.95	10.1	34.9	10.8	95	1972
1973	20.4	7.87	8.21	6.12	5.63	3.96	3.94	3.71	1.70	10.8	9.83	33.3	9.69	85	1973
1974	40.4	27.5	27.9	16.8	16.6	7.70	9.63	8.92	1.93	0.736	31.0	26.4	17.9	157	1974
1975	18.5	7.22	10.3	9.26	13.4	4.59	0.680	3.06	1.22	26.1	36.5	36.4	14.0	122	1975
1976	25.9	17.6	15.1	17.3	14.2	7.36	1.59	1.42	2.41	3.65	10.9	19.8	11.4	100	1976
1977	11.2	19.0	16.3	11.2	4.56	2.46	0.991	0.963	2.77	9.34	31.3	25.8	11.3	98	1977
1978	11.4	10.6	10.4	4.50	6.31	1.64	0.595	1.25	7.11	4.56	10.4	13.4	6.83	60	1978
1979	5.92	26.0	19.5	8.13	4.47	1.10	1.13	0.54	2.72	12.5	5.41	36.9	10.3	90	1979
1980	13.2	26.0	13.8	12.3	2.86	1.19	1.87	0.59	4.90	2.94	34.3	36.1	12.4	109	1980
1981	8.04	7.82	22.1	22.1	5.49	9.51	1.33	0.085	4.42	18.8	22.0	23.6	12.8	112	1981
1982	26.6	30.1	9.03	10.5	7.56	3.03	0.198	0.340	0.878	14.8	13.9	23.5	11.6	101	1982
1983	30.7	31.2	15.6	4.59	1.67	4.25	8.18	0.708	1.73	4.98	35.5	15.4	12.7	111	1983
1984	24.5	16.0	14.2	11.9	12.5	2.07	1.87	1.02	0.934	11.2	13.3	15.0	10.4	91	1984
1985	5.80	9.74	7.33	17.2	6.57	4.53	0.708	0.000	1.27	15.7	13.9	3.96	7.19	63	1985
1986	8.16	0.000	14.9	6.20	14.8	2.24	0.765	0.453	0.000	0.878	12.7	18.5	6.71	59	1986
1987	23.4	18.0	15.3	11.2	5.86	3.20	1.87	0.028	0.170	0.878	9.37	20.6	9.11	80	1987
1988	11.7	19.1	20.1	19.3	7.67	2.92	0.651	0.142	2.24	9.09	27.7	19.5	11.6	102	1988
1989	31.6	8.49	13.2	15.7	3.26	1.56	2.01	0.311	0.170	4.25	24.0	18.7	10.3	90	1989
1990	26.0	31.9	14.5	12.6	5.07	3.88	0.623	0.142	0.028	13.3	37.7	23.1	13.9	122	1990
1991	19.1	24.3	9.26	13.9	1.98	0.736	9.40	5.97	4.02	1.02	28.1	25.7	11.9	104	1991
1992	37.9	20.7	2.63	6.46	1.81	2.27	1.33	0.057	8.27	5.89	17.2	13.0	9.74	85	1992
1993	13.7	7.02	16.4	13.8	6.48	2.38	1.70	3.43	0.028	3.03	8.27	18.5	7.92	69	1993
1994	15.6	16.1	17.2	9.32	2.86	0.000	3.43	0.000	0.396	7.31	14.1	23.5	9.13	80	1994
1995	17.0	29.7	20.6	6.34	1.53	0.878	1.02	1.39	1.05	13.2	19.1	30.6	11.8	103	1995
1996	30.3	18.4	7.80	17.0	4.50	1.80	0.300	0.000	0.500	16.8	20.5	14.0	11.0	96	1996
1997	48.5	15.6	38.5	17.1	9.20	8.20	6.50	0.000	7.00	24.8	36.9	23.3	19.7	172	1997
1998	27.2	14.6	11.3	2.83	1.97	3.89	0.072	-0.034	0.072	3.28	46.2	40.9	12.7	111	1998
1999	31.1	43.0	14.7	12.5	7.72	2.69	0.602	0.328	15.4	23.0	37.2	37.2	16.6	145	1999
2000	9.59	12.6	15.6	9.21	13.6	6.61	0.972	0.360	3.04	6.72	8.84	15.8	8.57	75	2000
2001	14.3	7.23	12.9	9.71	6.26	1.94	0.284	2.76	2.41	12.6	21.7	35.4	10.7	93	2001
Avg.	21.1	18.2	15.0	12.0	7.40	3.71	2.23	1.49	2.61	9.68	20.2	24.0	11.4		m³/s
S. D.	20.8	19.2	15.0	11.8	7.4	3.9	2.5	1.4	2.3	9.0	21.2	23.1	11.4		m³/s
Normal	386	326	279	212	137	69	46	27	41	167	381	429	2500		mm



KOKSILAH RIVER AT COWICHAN STATION 08HA003

Location: 48°43'39"N, 123°40'11"W

Drainage Area = 221 km² Median Elevation = 510 m Instantaneous Peak Flow 7-Day Low Flow

Monthly and Annual Discharge in m³/s

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Jun-Sep	Annual	Year
1966	26.0	13.2	17.2	10.6	3.47	1.12	0.948	0.386	0.449	4.76	13.5	46.2	11.5	0.338	0.338	1966
1967	35.0	18.4	18.3	6.17	3.61	0.876	0.335	0.217	0.311	20.2	31.1	30.6	12.3	0.217	0.212	1967
1968	38.8	23.8	17.6	6.65	2.46	1.29	0.618	0.531	1.95	10.2	17.6	22.6	12.0	0.417	0.417	1968
1969	9.64	10.9	19.9	20.4	6.02	1.44	0.671	1.890	0.189	3.06	6.11	23.1	8.66	0.459	0.459	1969
1970	18.1	14.0	18.2	12.1	2.49	0.816	0.222	0.500	0.446	2.11	9.80	22.5	7.59	0.183	0.183	1970
1971	29.9	22.0	20.6	15.5	8.76	2.30	1.08	0.395	0.641	3.75	15.3	11.8	10.9	0.327	0.327	1971
1972	23.7	29.4	27.2	10.4	4.10	0.983	1.40	0.473	1.40	1.00	6.98	35.0	11.8	0.319	0.319	1972
1973	21.4	7.66	7.03	2.94	2.42	1.43	0.573	0.257	0.319	3.19	19.5	32.5	8.30	0.220	0.220	1973
1974	30.3	24.8	24.9	0.441	4.67	3.35	1.20	0.509	0.441	0.484	14.6	21.7	11.4	0.416	0.416	1974
1975	16.0	11.0	13.8	10.2	6.26	1.01	0.357	0.969	0.824	19.8	33.1	28.5	11.8	0.267	0.267	1975
1976	24.4	17.4	14.0	13.1	5.61	2.01	0.708	0.534	0.493	0.726	2.82	7.91	7.45	0.343	0.343	1976
1977	7.77	11.2	17.0	5.88	1.77	0.916	0.348	0.229	0.590	3.20	24.6	21.6	7.89	0.132	0.132	1977
1978	13.5	11.0	8.50	4.24	3.07	1.20	0.418	0.341	1.90	1.16	4.04	8.99	4.79	0.216	0.216	1978
1979	3.24	26.5	15.1	5.12	2.22	0.724	0.463	0.305	0.985	5.71	3.18	39.2	8.48	0.252	0.252	1979
1980	16.5	27.3	13.1	8.05	2.09	1.94	1.30	0.520	0.578	0.849	26.6	37.8	11.3	0.462	0.462	1980
1981	12.3	27.4	4.63	11.9	4.79	3.33	1.29	0.515	1.440	9.78	23.4	28.5	10.6	0.428	0.428	1981
1982	21.6	28.5	11.2	8.51	3.94	0.940	0.805	0.292	0.329	4.10	8.85	30.3	9.85	0.233	0.233	1982
1983	26.2	35.7	18.0	5.91	1.49	0.902	2.00	0.478	0.877	1.10	46.3	11.8	12.4	0.319	0.319	1983
1984	21.5	14.3	14.2	7.64	8.97	2.66	0.822	0.388	0.454	4.44	28.0	16.4	9.96	0.329	0.329	1984
1985	4.75	8.13	6.84	9.91	4.13	1.48	0.188	0.151	0.318	5.16	7.50	6.25	4.54	0.116	0.116	1985
1986	27.7	23.1	11.4	4.28	5.92	1.67	0.590	0.239	0.289	0.556	19.1	14.1	8.99	0.203	0.203	1986
1987	23.5	13.1	15.0	4.88	1.96	1.57	0.335	0.191	0.187	0.278	4.43	19.3	7.06	0.155	0.155	1987
1988	16.1	10.1	14.5	12.2	2.59	2.44	0.517	0.282	0.477	1.38	20.0	12.6	7.74	0.251	0.251	1988
1989	20.1	9.04	18.3	12.2	1.79	0.649	0.474	0.294	0.246	1.03	8.47	14.2	7.24	0.209	0.209	1989
1990	13.7	23.4	13.6	6.87	2.38	3.04	0.592	0.315	0.277	5.17	45.9	28.6	12.4	0.236	0.236	1990
1991	22.7	37.6	9.83	12.3	2.00	1.05	0.486	2.28	1.74	0.75	17.7	16.3	10.2	0.242	0.242	1991
1992	37.0	19.3	4.08	3.63	2.48	0.78	0.567	0.323	0.332	1.65	10.4	9.18	7.45	0.247	0.247	1992
1993	13.8	6.8	9.36	9.80	5.49	2.36	0.983	0.615	0.345	0.818	2.39	15.8	6.25	0.314	0.314	1993
1994	13.1	18.4	21.0	6.40	1.69	1.04	0.459	0.290	0.409	1.39	11.4	35.4	9.22	0.275	0.275	1994
1995	18.3	27.0	17.1	4.52	1.17	0.302	0.204	0.334	0.236	3.97	35.4	31.8	11.6	0.180	0.180	1995
1996	22.4	19.4	9.07	11.0	3.63	1.38	0.550	0.328	0.423	5.96	12.5	20.9	8.93	0.292	0.292	1996
1997	42.2	13.8	28.1	14.9	7.50	5.77	7.19	0.608	2.23	31.2	31.2	21.9	18.7	0.262	0.262	1997
1998	32.6	16.1	9.82	2.71	1.10	0.642	0.447	0.181	0.184	0.776	31.7	23.5	9.94	0.148	0.148	1998
1999	32.5	59.2	35.1	15.4	6.47	3.25	0.697	0.341	0.303	2.65	19.9	27.2	16.6	0.241	0.241	1999
2000	11.8	13.6	14.4	4.41	2.99	3.23	0.788	0.364	0.340	2.32	3.84	14.3	6.02	0.298	0.298	2000
2001	13.9	7.63	7.35	4.22	3.87	1.18	0.448	0.602	0.470	1.57	17.1	31.9	7.54	0.362	0.362	2001

Avg.

S. D.

Normal

Normal

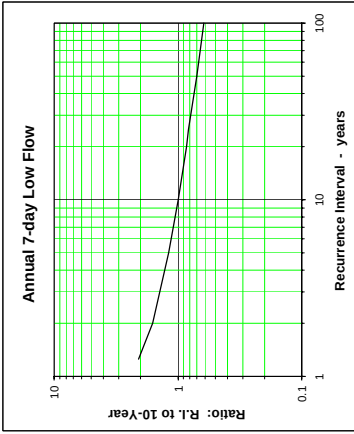
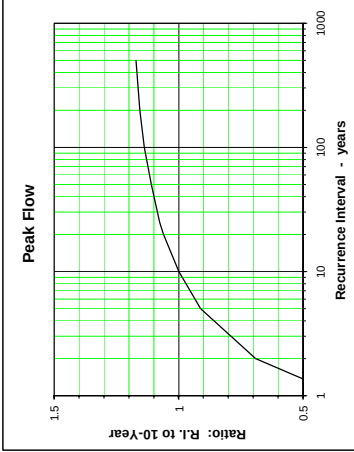
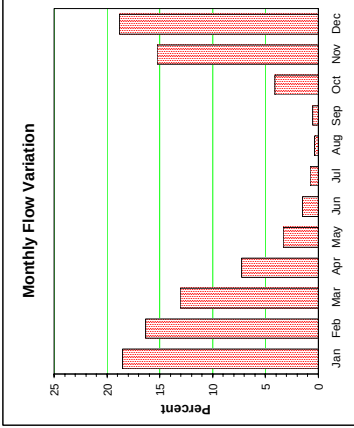
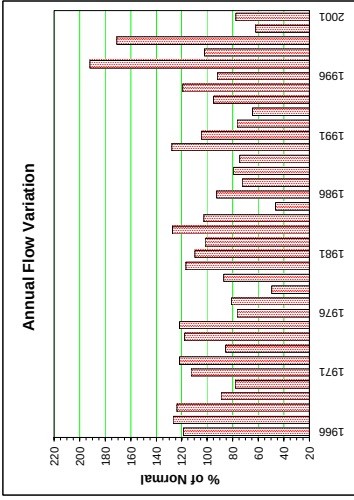
m³/s

mm

10-Year

m³/s

m³/s



LITTLE QUALICUM RIVER AT OUTLET OF CAMERON LAKE 08HB004

Location: 49°17'27"N, 124°35'00"W

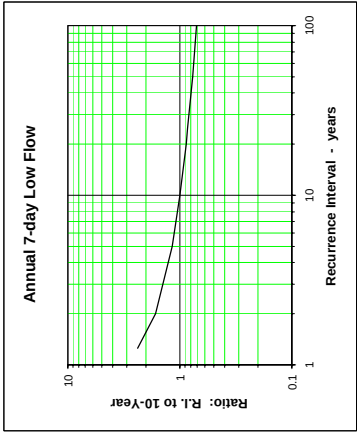
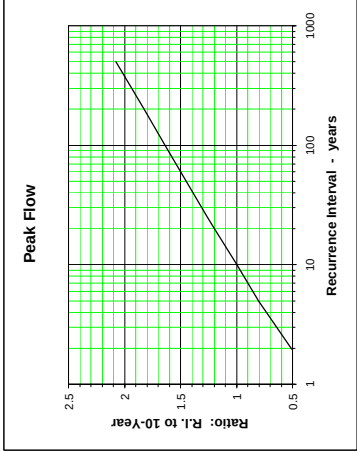
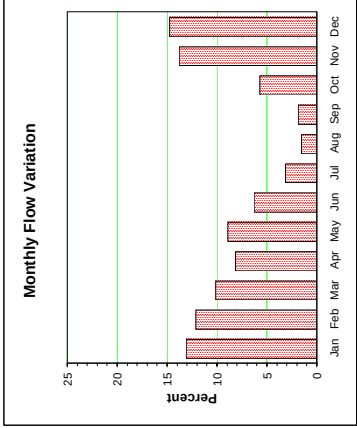
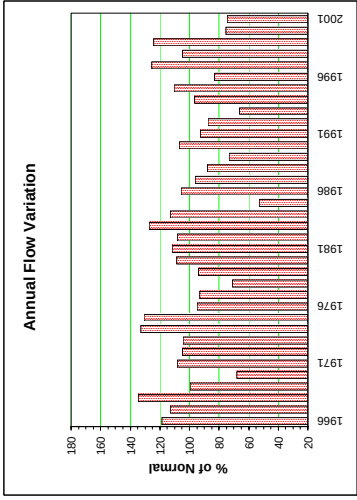
Drainage Area = 135 km²

Median Elevation = 780 m

7-Day Low Flow

Instantaneous Peak Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Year
1966	16.4	8.88	7.27	10.2	8.82	8.05	4.96	1.48	1.47	5.39	13.2	36.0	10.2	Dec 19	96	0.946	1966
1967	16.2	11.2	10.7	4.61	9.13	9.16	2.67	1.01	0.739	18.6	11.8	20.5	9.72	Oct 09	51	0.853	1967
1968	34.5	18.1	12.8	5.73	8.72	5.81	3.23	1.58	2.14	14.8	16.0	15.3	11.6	Jan 20	140	1.25	1968
1969	5.63	5.84	7.21	13.2	19.4	13.6	3.18	1.44	4.97	5.57	10.4	12.4	8.57	Dec 14	33	1.08	1969
1970	8.78	9.84	7.46	8.47	6.28	4.33	1.11	0.904	1.20	3.64	8.97	9.73	5.86	Jan 25	25	0.561	1970
1971	13.7	16.7	7.84	8.43	15.9	11.4	6.80	2.78	2.69	5.11	15.0	6.24	9.32	Jan 20	47	1.94	1971
1972	7.08	10.7	21.1	9.87	10.3	8.44	7.31	1.83	2.48	1.76	18.8	18.8	9.02	Dec 26	93	0.878	1972
1973	20.1	10.5	8.07	4.79	10.6	7.64	2.85	1.13	0.854	4.83	11.6	24.7	8.99	Jan 15	110	0.739	1973
1974	23.8	11.3	17.3	12.1	12.3	13.8	8.47	2.92	1.61	1.69	14.0	17.8	11.4	Jan 15	150	1.17	1974
1975	8.82	5.05	7.98	5.41	11.9	9.40	3.45	2.61	3.36	17.6	41.0	18.5	11.3	Nov 04	140	1.35	1975
1976	14.5	10.2	7.08	8.16	12.3	8.71	6.62	3.03	2.68	2.35	7.87	14.2	8.14	Dec 26	35	2.00	1976
1977	7.68	12.1	8.77	9.96	6.87	4.25	1.53	0.936	1.51	7.65	18.1	17.1	8.00	Nov 02	50	0.783	1977
1978	11.1	10.6	9.91	7.22	5.56	3.88	1.49	1.63	6.18	4.15	6.50	5.54	6.11	Feb 09	25	0.862	1978
1979	2.86	12.0	15.3	6.06	8.98	3.80	2.78	1.26	4.80	7.44	4.51	27.0	8.07	Dec 18	110	1.11	1979
1980	11.5	14.3	9.75	11.5	6.67	4.33	3.67	1.16	1.28	2.48	18.3	27.6	9.36	Dec 27	180	0.562	1980
1981	12.1	17.0	5.38	9.63	6.80	4.37	2.16	0.900	2.37	11.5	25.6	18.4	9.62	Nov 01	78	0.694	1981
1982	8.53	19.4	8.13	5.32	10.8	11.4	3.57	1.10	1.43	14.8	9.07	19.0	9.33	Oct 25	79	0.560	1982
1983	20.9	28.8	17.6	6.73	7.25	6.74	5.34	1.50	1.74	2.76	26.3	7.23	10.9	Nov 16	99	1.01	1983
1984	16.3	13.5	10.8	8.21	10.5	7.19	3.25	1.35	2.24	15.1	17.4	10.8	9.71	Oct 10	61	0.885	1984
1985	4.21	4.01	3.30	9.92	8.54	4.20	1.14	0.752	0.981	7.62	5.85	4.33	4.57	Oct 22	26	0.591	1985
1986	21.9	14.5	16.8	7.74	11.2	4.66	1.98	0.853	0.841	1.21	10.7	17.0	9.11	Jan 19	100	0.528	1986
1987	19.7	16.6	15.9	8.28	7.78	7.39	2.11	0.806	0.420	1.06	5.46	14.4	8.29	Jan 12	67	0.369	1987
1988	7.87	8.44	8.05	12.6	11.9	8.66	2.69	1.24	1.08	2.08	16.7	9.65	7.55	Nov 06	49.8	0.542	1988
1989	9.83	6.55	6.47	12.8	7.91	4.42	1.43	1.11	0.584	5.01	8.77	11.0	6.32	Dec 04	37.3	0.456	1989
1990	11.0	10.1	7.07	9.44	5.18	7.37	1.79	0.865	0.649	7.97	30.4	19.0	9.20	Dec 04	83.4	0.434	1990
1991	10.9	25.9	4.73	7.41	4.99	2.41	1.01	4.67	4.82	1.51	14.2	15.0	7.99	Feb 05	75.9	0.715	1991
1992	29.0	21.1	6.13	5.34	4.20	1.17	0.754	0.67	0.90	6.28	9.40	5.98	7.54	Jan 30	112	0.458	1992
1993	5.61	7.24	12.1	9.86	9.75	5.11	1.56	1.10	0.40	0.86	1.8	13	5.72				1993
1994													8.3				1994
1995													9.5				1995
1996													7.2				1996
1997													11				1997
1998											19.9	22.4	9.0				1998
1999	18.4	16.3	11.3										11				1999
2000									1.17			8.66	6.5			0.932	2000
2001	10.1	4.43	5.88	6.60	7.31	4.06	1.45	1.85	1.67	2.91	17.5	13.1	6.40	Nov 15	53.1	0.849	2001
Avg.	13.6	12.7	9.93	8.47	9.24	6.75	3.12	1.53	1.98	6.34	14.2	15.5	8.61		78.9	0.836	m ³ /s
S. D.													1.75		41.2	0.400	m ³ /s
Normal	13.2	13.5	10.3	8.56	9.05	6.55	3.21	1.57	1.96	5.77	14.5	14.9	8.59				m ³ /s
Normal	262	243	204	164	180	126	64	31	38	115	278	296	2010	10-Year	138	0.473	m ³ /s

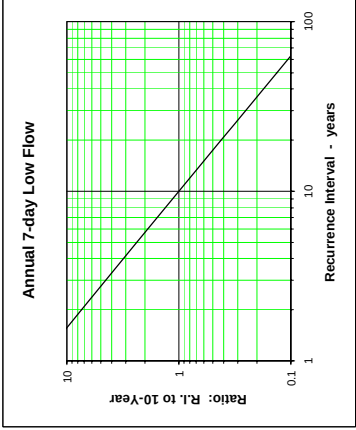
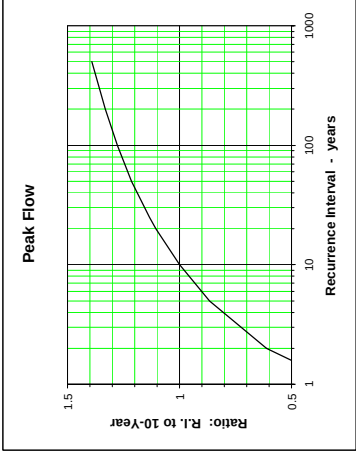
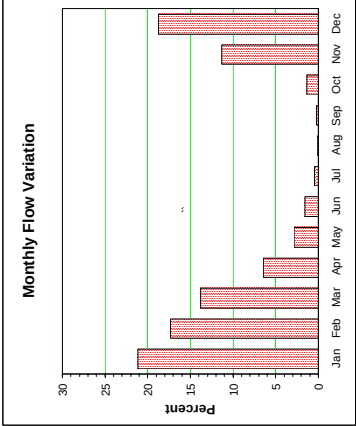
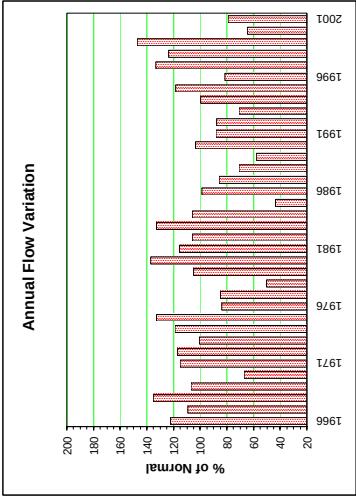


MILLSTONE RIVER AT NANAIMO 08HB032

Location: 49°10'38"N, 123°58'04"W

Monthly and Annual Discharge in m³/s Drainage Area = 94.2 km² Median Elevation = 257 m Instantaneous Peak Flow 7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966													3.2					1966
1967													2.9					1967
1968													3.6					1968
1969													2.8					1969
1970													1.8					1970
1971													3.0					1971
1972													3.1					1972
1973													2.6					1973
1974													3.1					1974
1975													3.5					1975
1976													2.2					1976
1977													2.2					1977
1978													1.3					1978
1979													2.8					1979
1980													3.6					1980
1981													3.0					1981
1982													2.8					1982
1983													3.5					1983
1984													2.8					1984
1985													1.2					1985
1986													2.6					1986
1987													2.25	Dec 10	25.7	0.006	0.006	1987
1988													1.87	Jan 14	23.6	0.019	0.019	1988
1989													1.52	Mar 12	10.7	0.006	0.006	1989
1990													2.73	Dec 04	44.2	0.002	0.002	1990
1991													2.32	Feb 04	42.5	0.008	0.008	1991
1992													2.30	Jan 31	50.3	0.002	0.000	1992
1993													1.87	Dec 14	30.7	0.002	0.002	1993
1994													2.61	Dec 20	37.2	0.008	0.008	1994
1995													3.11	Dec 13	32.4	0.009	0.009	1995
1996													2.14	Jan 15	16.3	0.008	0.008	1996
1997													3.50	Mar 19	49.6	0.025	0.025	1997
1998													3.25	Jan 24	43.1	0.005	0.005	1998
1999													3.87	Jan 29	32.9	0.010	0.010	1999
2000													1.70	Mar 02	12.6	0.011	0.011	2000
2001													2.1			0.009	0.009	2001
Avg.	6.36	5.63	4.09	2.00	0.870	0.479	0.132	0.044	0.074	0.408	3.61	5.76	2.63		32.3	0.009	0.009	m ³ /s
S. D.													0.689		13.1	0.006	0.006	m ³ /s
Normal	6.52	5.85	4.26	2.05	0.888	0.500	0.138	0.044	0.074	0.408	3.61	5.76	2.61					m ³ /s
Normal	185	152	121	56	25	14	4	1	2	12	99	164	875		51.6	0.002	0.001	m ³ /s



NANAIMO RIVER NEAR CASSIDY 08HB034

Location: 49°04'07"N, 123°53'13"W

Monthly and Annual Discharge in m³/s

Drainage Area = 684 km²

Median Elevation = 578 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	91.2	49.6	62.0	51.3	33.8	23.5	11.3	5.44	6.09	26.4	67.3	148	48.1	Jan 13	490	4.56	4.56	1966
1967	88.2	54.7	61.3	24.4	40.7	24.7	42.9	4.37	4.51	71.7	40.1	92.8	42.9	Dec 10	402	4.14	4.14	1967
1968	135	88.3	68.8	25.6	28.6	16.3	7.55	7.65	68.5	74.6	74.6	76.1	50.9	Jan 19	660	4.55	4.55	1968
1969	23.7	32.4	55.2	80.0	32.4	33.3	67.8	5.52	22.9	24.9	38.5	69.3	39.1	Dec 13	337	4.36	4.36	1969
1970	50.7	43.1	38.8	42.1	19.0	10.0	4.60	3.41	5.47	20.7	43.5	57.9	28.2	Jan 23	297	3.16	3.16	1970
1971	76.4	74.1	49.3	50.6	69.1	39.4	19.2	8.26	11.0	31.9	68.7	23.3	43.2	Feb 14	368	6.92	6.92	1971
1972	39.9	69.6	109	48.0	41.6	21.5	15.3	5.78	14.6	5.90	35.8	98.0	42.0	Dec 26	688	5.28	3.70	1972
1973	95.4	34.6	33.7	18.0	30.3	18.7	5.44	3.48	3.26	23.1	52.3	126	37.2	Jan 15	608	1.40	1.40	1973
1974	110	63.4	98.4	51.4	45.3	42.6	22.7	6.96	5.71	7.18	68.4	85.5	50.6	Jan 15	983	4.78	4.78	1974
1975	38.5	21.0	45.0	35.5	54.5	27.0	8.10	8.45	7.08	89.6	15.7	93.0	48.7	Nov 13	510	3.43	3.43	1975
1976	68.4	43.9	36.6	39.9	50.6	29.1	17.0	8.16	7.63	14.8	29.9	40.5	32.2	Dec 26	185	5.29	5.27	1976
1977	27.7	53.9	42.5	39.1	20.8	12.8	4.67	5.80	8.99	32.0	83.0	82.1	34.3	Nov 01	320	4.06	4.06	1977
1978	47.1	44.8	45.8	24.8	19.5	9.63	4.48	8.23	18.5	13.4	17.9	23.7	23.5	Nov 08	179	4.19	4.19	1978
1979	11.8	72.1	66.4	28.6	28.7	9.93	10.7	5.31	19.2	43.9	24.2	139	38.2	Dec 17	765	3.78	3.78	1979
1980	51.5	96.1	42.2	48.7	18.8	13.6	11.0	5.78	7.36	9.82	92.7	142	44.7	Dec 27	958	5.28	5.28	1980
1981	47.3	87.1	18.1	43.8	22.3	16.3	5.07	4.14	10.6	51.0	108	94.3	41.9	Nov 01	585	3.01	3.01	1981
1982	44.7	86.9	37.4	28.9	37.3	25.8	9.26	4.60	6.28	62.9	37.5	90.2	39.2	Dec 03	391	2.72	2.72	1982
1983	88.6	140	73.6	24.4	19.7	14.8	16.8	5.65	7.77	14.3	149	28.8	47.9	Nov 15	870	5.08	5.08	1983
1984	83.2	65.7	55.7	34.8	45.7	19.7	8.58	5.16	6.33	47.7	82.0	47.2	41.8	Jan 04	573	4.87	4.73	1984
1985	15.0	22.5	19.3	49.5	28.8	11.3	4.41	4.41	5.41	30.8	24.3	23.5	20.0	Oct 22	142	3.79	3.79	1985
1986	106	76.0	65.3	19.8	41.7	12.3	5.78	4.61	4.70	7.56	56.5	77.2	39.9	Feb 24	781	3.53	3.53	1986
1987	90.2	72.5	75.9	31.7	26.3	20.1	5.41	4.71	4.96	4.65	22.2	66.4	35.3	Mar 05	467	4.09	3.62	1987
1988	44.9	40.8	42.6	53.5	40.2	25.5	7.62	4.65	6.14	9.29	79.2	42.9	33.0	Nov 05	360	2.96	2.96	1988
1989	54.6	29.2	44.8	55.8	23.2	9.91	6.27	4.91	5.09	28.8	37.4	81.5	28.6	Dec 04	362	4.15	4.15	1989
1990	60.0	50.1	40.8	38.2	17.3	23.4	5.36	3.85	3.59	35.6	158	61.5	42.9	Nov 23	951	2.47	2.47	1990
1991	56.0	138	18.7	35.4	15.3	5.97	4.01	24.7	13.1	5.97	67.8	73.9	37.5	Feb 02	791	3.01	3.01	1991
1992	159	84.5	19.9	24.5	13.3	3.37	3.01	4.10	5.03	20.3	41.1	23.8	33.4	Jan 30	745	2.29	2.29	1992
1993	33.2	30.9	67.1	50.5	35.4	18.2	4.01	3.63	4.69	7.78	12.3	77.4	28.8	Dec 10	470	3.26	3.06	1993
1994	67.5	53.2	96.2	37.4	15.2	14.1	4.37	4.11	6.00	15.2	38.1	118	39.2	Mar 02	742	3.64	3.64	1994
1995	84.2	100	71.8	27.1	18.5	8.34	4.08	4.50	4.90	27.8	133	111	49.3	Nov 18	471	3.85	3.85	1995
1996	91.0	74.4	32.7	53.2	22.6	8.50	4.21	4.32	4.85	29.1	34.9	39.9	33.2	Jan 15	317	3.92	3.92	1996
1997	113	40.7	95.9	62.6	58.9	36.5	20.5	7.19	21.7	84.4	82.1	68.3	57.9	Mar 19	844	4.11	4.11	1997
1998	115	80.2	47.4	15.4	20.0	8.09	4.74	4.22	5.17	10.6	113	105	43.9	Dec 13	731	3.77	3.77	1998
1999	104	95.0	61.1	49.4	58.5	57.1	28.8	9.51	54.6	17.6	105	90.2	56.5	Jan 14	398	4.51	4.51	1999
2000	27.5	44.0	43.9	39.0	38.0	29.1	7.30	4.82	5.47	27.0	23.8	49.8	28.3	Oct 20	180	3.87	3.87	2000
2001	54.2	24.9	34.1	33.1	31.4	10.6	4.51	10.6	7.27	13.6	88.4	82.1	32.9	Dec 16	568	4.02	4.02	2001

Avg.

S. D.

Normal

Normal

m³/s

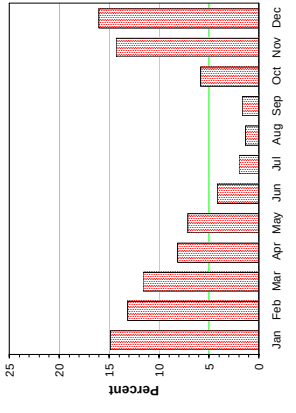
mm

10-Year

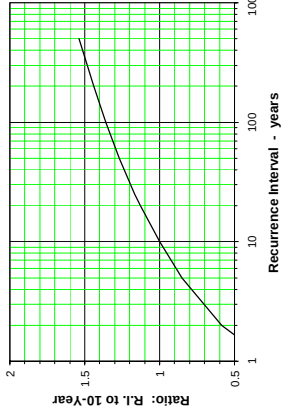
Annual Flow Variation



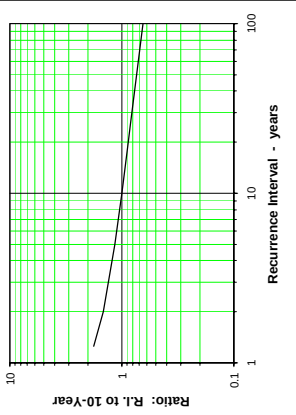
Monthly Flow Variation



Peak Flow

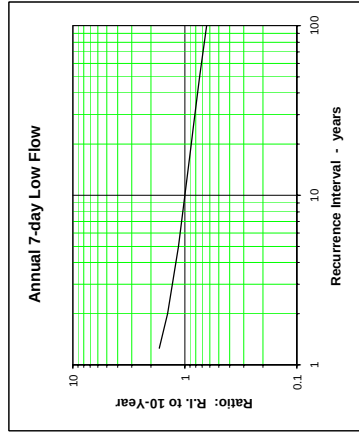
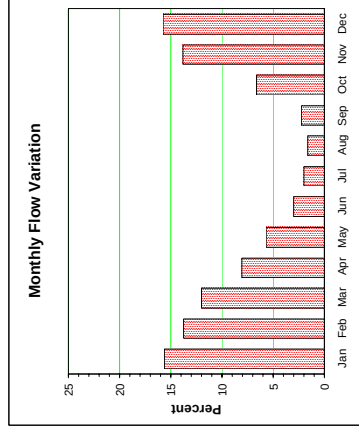


Annual 7-day Low Flow



Location: 49°25'08"N, 124°38'32"W

	1.88	1.81	1.44	0.997	0.682	0.369	0.237	0.193	0.280	0.794	1.71	1.89	1.02	0.249	m^2/s	22.5	0.033	m^3/s
S. D.																		
Normal	1.88	1.81	1.44	0.997	0.682	0.369	0.237	0.193	0.280	0.794	1.71	1.89	1.02	0.249	m^2/s	22.5	0.033	m^3/s
Normal	376	329	289	193	136	71	47	39	54	159	331	378	2400	mm	10-Year	64.9	0.115	m^3/s

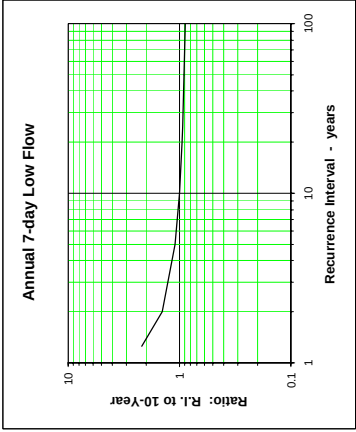
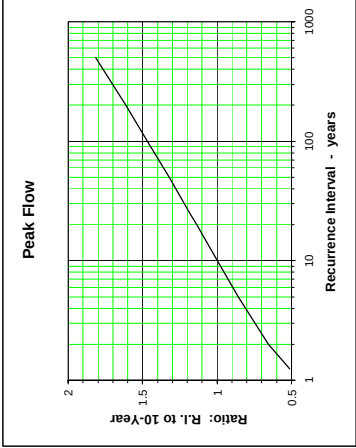
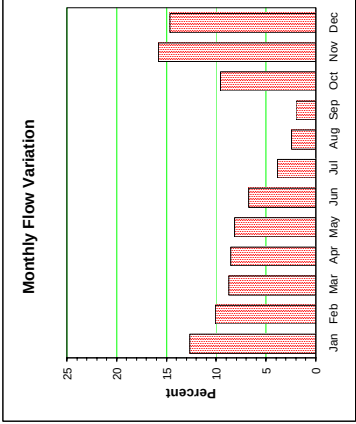
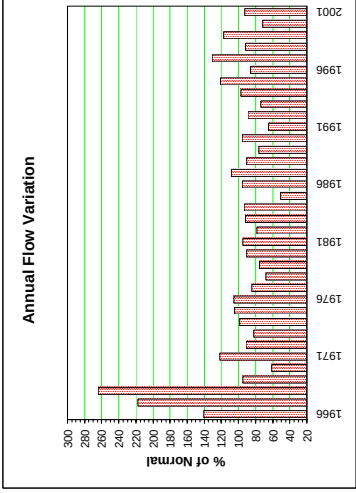


NIMPkish RIVER ABOVE WOSS RIVER 08HF005

Location: 50°12'55"N, 126°36'33"W

Monthly and Annual Discharge in m³/s Drainage Area = 835 km² Median Elevation = 681 m Instantaneous Peak Flow 7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966													91					1966
1967													140					1967
1968													170					1968
1969													61					1969
1970													39					1970
1971													78					1971
1972													59					1972
1973													53					1973
1974													63					1974
1975													67					1975
1976													68					1976
1977													54					1977
1978													44					1978
1979													49					1979
1980													58					1980
1981													61					1981
1982													51					1982
1983													59					1983
1984													60					1984
1985													33					1985
1986													62					1986
1987													70					1987
1988													58					1988
1989													49					1989
1990	80	55.0	45.9	49.5	33.3	34.2	17.6	6.58	5.83	11.0	200	100	61.4	Nov 11	1300	4.77	4.77	1990
1991	53.6	92.2	15.6	23.0	25.2	23.6	14.1	28.2	9.28	6.98	124	90.7	41.8	Nov 19	578	6.76	5.10	1991
1992	185	132	29.8	41.5	36.9	21.2	10.9	5.86	8.89	86.9	87.7	44.6	57.4	Nov 23	781	4.15	4.15	1992
1993	36.9	53.6	88.9	48.0	75.4	48.3	18.5	18.0	7.03	12.3	50.9	112	47.5	Dec 03	598	4.30	3.71	1993
1994	78.6	53.1	115	93.5	44.0	38.8	17.4	6.85	10.2	55.2	86.2	149	62.5	Dec 23	686	4.96	4.96	1994
1995	73.4	106	81.4	68.1	61.8	43.9	27.6	19.7	12.2	122	199	121	77.7	Nov 18	756	7.43	7.43	1995
1996	122	73.8	50.2	123	40.0	31.8	15.0	7.38	13.7	67.1	64.4	58.2	55.4	Apr 05	1100	6.31	6.31	1996
1997	88.3	62.0	81.4	82.9	98.6	79.9	47.9	19.1	44.1	134	132	141	84.4	Dec 29	740	7.65	7.65	1997
1998	118	76.8	57.1	27.7	56.7	39.5	23.4	7.39	5.59	40.0	115	145	59.3	Dec 12	910	4.61	4.59	1998
1999	99.6	93.7	57.8	61.4	87.0	115	68.0	41.4	22.2	37.7	129	95.2	75.5	Nov 09	512	13.1	13.1	1999
2000	32.9	44.9	43.2	54.7	63.6	58.0	35.1	24.9	16.2	59.3	57.3	61.3	45.9	Oct 20	431	11.0	10.4	2000
2001	69.7	35.2	45.0	53.2	62.4	44.4	24.7	38.0	23.2	66.8	182	74.1	59.9	Nov 15	709	10.2	10.2	2001
Avg.	86.5	73.2	59.3	60.5	57.1	48.2	26.7	18.6	14.9	66.5	119	99.3	64.4		758	7.10	6.86	m ³ /s
S. D.													24.8					m ³ /s
Normal	88.0	76.6	60.6	61.2	56.6	48.6	26.9	16.9	14.1	66.5	113	102	58.8		246	2.93	2.98	m ³ /s
Normal	289	230	199	195	186	154	88	55	45	219	360	334	2280			4.32	4.03	m ³ /s



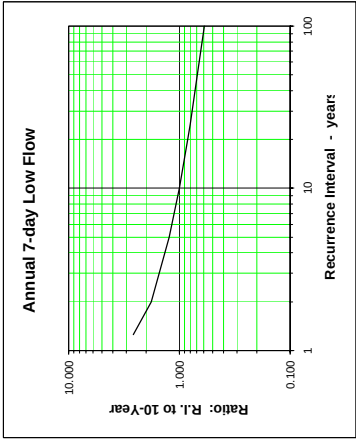
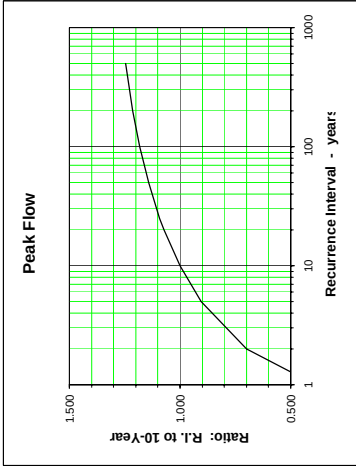
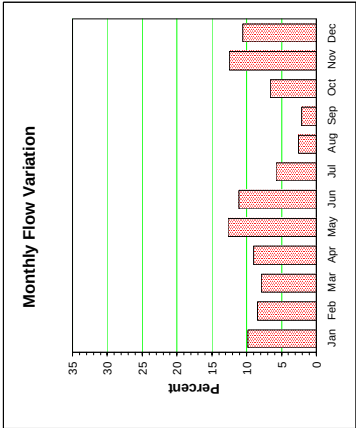
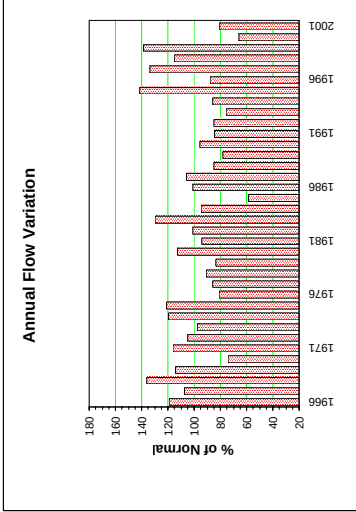
OYSTER RIVER BELOW WOODHUS CREEK 08HD011

Location: 49°53'38"N, 125°14'18"W

Monthly and Annual Discharge in ³/s Drainage Area = 298 km² Median Elevation = 762 m

Instantaneous Peak Flow 7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966													17					1966
1967													15					1967
1968													19					1968
1969													16					1969
1970													11					1970
1971													16					1971
1972													15					1972
1973													14					1973
1974	198	106	168	21.1	24.6	34.7	22.6	8.95	3.87	2.36	15.7	20.8	16.9	Nov 24	235	2.49	1.39	1974
1975	6.23	5.18	7.68	13.3	30.4	24.6	10.6	5.90	3.25	21.8	55.9	20.2	17.1	Nov 13	348	1.61	1.55	1975
1976	14.5	7.23	5.66	11.6	23.3	19.3	14.2	7.02	4.08	3.85	10.0	15.9	11.4	Dec 26	83	3.42	2.31	1976
1977	7.85	16.4	8.44	14.9	12.8	12.7	4.39	2.27	5.05	16.3	29.9	16.1	12.1			1.98		1977
1978	13.5	16.8	15.0	14.8	16.5	20.4	9.04	9.99	14.5	5.62	12.5	5.68	12.8	Nov 07	154	3.23	2.99	1978
1979	2.63	9.02	17.3	16.0	20.0	17.0	9.00	2.50	6.50	10.1	8.13	23.2	11.8					1979
1980	11.5	20.3	8.73	16.8	19.4	18.5	11.1	2.69	3.79	4.34	25.0	49.0	15.9	Dec 26	289	1.62	1.62	1980
1981	26.2	17.4	7.31	12.6	8.65	8.64	6.19	2.17	4.67	19.8	30.6	15.4	13.3	Oct 31	190	1.17	1.17	1981
1982	6.42	12.7	10.2	7.39	27.3	36.6	10.1	2.89	1.78	32.4	8.51	15.0	14.3	Oct 25	258	1.25	1.18	1982
1983	30.1	31.9	22.7	13.1	29.6	21.4	12.6	4.40	3.46	8.05	39.0	5.19	18.3	Feb 11	239	2.08	1.20	1983
1984	20.4	17.6	16.6	10.7	15.0	19.7	11.8	3.99	2.49	21.2	14.5	6.33	13.4	Oct 09	177	2.29	1.86	1984
1985	5.28	4.32	4.93	17.4	20.8	12.7	3.90	1.47	1.96	11.5	7.36	8.28	11.5	Oct 20	61.3	1.03	0.990	1985
1986	29.1	20.2	21.7	10.8	22.7	15.8	5.10	1.41	1.01	2.55	16.0	24.5	14.2	Feb 24	187	0.919	0.729	1986
1987	29.9	21.4	24.9	14.1	21.9	20.4	10.0	3.30	1.86	1.01	13.0	17.6	14.9	Mar 05	192	1.60	0.779	1987
1988	8.24	9.62	10.9	20.4	23.7	18.9	9.09	3.59	2.00	3.19	18.5	15.6	12.0	Nov 05	127	1.63	1.63	1988
1989	9.04	6.43	7.36	22.9	18.6	13.0	6.96	3.01	1.59	11.7	14.7	16.7	11.0	Dec 04	182	1.43	1.43	1989
1990	11.2	7.76	9.20	16.0	14.1	15.1	2.73	1.19	0.724	12.3	47.0	23.7	13.5	Nov 23	284	0.534	0.534	1990
1991	8.93	35.5	4.36	8.43	11.9	9.44	5.37	10.6	3.47	0.968	24.8	21.5	11.9	Nov 19	210	0.821	0.560	1991
1992	34.6	25.8	10.0	14.5	11.4	8.61	4.34	1.46	0.962	11.7	14.2	6.68	12.0	Oct 24	169	0.651	0.651	1992
1993	6.35	10.5	15.7	14.2	26.1	15.8	5.79	3.53	1.40	2.47	5.69	20.2	10.7	Dec 03	195	0.879	0.784	1993
1994	17.3	8.30	23.8	21.0	14.5	10.7	4.74	2.79	2.56	4.97	10.0	29.2	12.1	Mar 02	207	1.59	1.24	1994
1995	22.0	24.8	19.6	13.7	30.6	19.9	10.0	3.85	2.45	16.4	48.0	24.0	20.0	Nov 18	286	1.80	1.80	1995
1996	25.2	19.3	13.0	25.0	12.3	11.4	5.93	2.05	1.91	10.6	14.0	8.56	12.4	Apr 06	165	1.42	1.30	1996
1997	17.9	9.34	15.6	13.3	29.5	20.3	11.6	4.86	13.3	38.3	27.6	16.3	18.9	Oct 09	240	2.30	2.30	1997
1998	31.6	23.8	16.7	9.91	30.8	22.4	8.75	2.20	0.979	6.58	23.7	17.8	16.2	Dec 12	145	0.759	0.759	1998
1999	18.1	12.8	10.7	18.0	30.9	43.1	31.4	13.3	3.78	5.81	30.2	16.2	19.5	Nov 09	160	2.71	1.85	1999
2000	4.82	8.25	6.41	14.3	9.37	21.2	9.17	3.45	1.82	9.37	7.74	10.2	9.28	May 21	110	1.43	1.16	2000
2001	12.2	4.08	8.88	12.9	15.9	14.5	6.66	4.62	2.46	6.47	34.7	13.0	11.4	Nov 15	198	1.53	1.53	2001
Avg.	16.1	14.9	12.9	15.3	20.6	18.8	9.43	4.27	3.49	10.8	21.7	17.2	14.1		196	1.64	1.36	m ³ /s
S. D.													2.99		65.8	0.744	0.596	m ³ /s
Normal	16.2	15.3	13.0	15.3	20.8	19.0	9.54	4.25	3.53	10.9	21.2	17.4	14.0		282	0.800	0.692	m ³ /s
Normal	146	125	117	133	187	165	85.7	38.2	30.7	98.3	184	156	1480					m ³ /s



SALMON RIVER ABOVE CAMPBELL LAKE DIVERSION 08HD015

Location: 50°05'30"N, 125°40'20"W

Monthly and Annual Discharge in m³/s

Drainage Area = 270 km²

Median Elevation = 770 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	19	12	18	18	18	16	7.6	2.3	4.1	21	18	30	15.4	Oct 31	239	1.47	1.47	1966
1967	17	11	12	9.2	27	20	4.0	1.4	3.0	40	13	20	14.8	Oct 25	161	1.27	1.27	1967
1968	29	19	20	11	18	11	5.4	2.8	3.0	36	21	7.6	15.8	Jan 04	210	1.81	1.67	1968
1969	6.1	6.3	10	23	33	33	3.7	2.4	8.1	11	23	1.4	8.89	Jan 04	210	1.81	1.67	1969
1970	9.0	11	8.1	11	17	12	3.7	1.8	3.0	11	18	8.3	8.89	Jan 04	210	1.81	1.67	1970
1971	17	17	8.8	15	29	20	11	3.9	10	16	26	5.5	14.8	Jan 04	210	1.81	1.67	1971
1972	2.4	8.0	26	19	36	24	12	4.3	4.8	3.1	13	14	14.0	Jan 04	210	1.81	1.67	1972
1973	19	7.6	11	13	21	15	5.9	1.7	1.2	16	9.2	25	12.2	Jan 04	210	1.81	1.67	1973
1974	17	11	16	24	25	26	16	5.2	3.0	3.3	22	17	15.4	Jan 04	210	1.81	1.67	1974
1975	8.4	4.5	8.4	12	28	18	6.5	7.7	2.5	23	41	20	15.0	Jan 04	210	1.81	1.67	1975
1976	15	8.0	8.4	12	27	20	12	5.8	4.2	9.0	11	21	12.8	Jan 04	210	1.81	1.67	1976
1977	7.1	15	11	15	12	8.3	3.6	1.4	3.4	16	22	11	10.4	Jan 04	210	1.81	1.67	1977
1978	7.7	11	15	13	16	11	2.9	3.3	9.5	13	12	5.2	9.93	Jan 04	210	1.81	1.67	1978
1979	2.0	7.5	16	17	22	10	4.7	0.89	8.4	11	7.4	19	10.6	Jan 04	210	1.81	1.67	1979
1980	9.1	14	11	17	15	9.1	6.9	1.5	8.4	5.7	21	28	12.3	Jan 04	210	1.81	1.67	1980
1981	18	16	8.5	15	14	11	3.56	1.73	7.57	22.1	28.2	14.6	13.4	Jan 04	210	1.81	1.67	1981
1982	6.56	12.3	10.0	10.2	26.3	25.9	6.43	2.10	3.05	9.71	16.2	16.2	12.8	Jan 04	210	1.81	1.67	1982
1983	26	23	19	16	20	14	11.0	1.88	2.70	15.7	32.9	4.10	15.5	Jan 04	210	1.81	1.67	1983
1984	16.9	15.1	12.3	8.81	16.4	15.5	6.48	2.24	3.57	23.9	15.3	6.04	11.9	Jan 04	210	1.81	1.67	1984
1985	6.03	4.81	5.74	12.6	13.7	7.73	2.16	0.815	0.669	12.5	6.36	5.43	6.55	Jan 04	210	1.81	1.67	1985
1986	30.1	19.9	24.9	11.6	24.4	12.8	4.31	1.14	0.847	2.00	20.6	22.3	14.6	Jan 04	210	1.81	1.67	1986
1987	23.5	20.6	23.7	17.1	22.7	19.0	5.43	1.55	2.15	1.18	16.8	14.2	13.9	Jan 04	210	1.81	1.67	1987
1988	8.28	14.0	13.0	21.2	20.3	15.6	6.56	2.80	2.01	7.05	26.6	18.5	12.9	Jan 04	210	1.81	1.67	1988
1989	11.0	6.95	7.58	24.0	17.0	8.67	4.20	1.74	0.784	10.8	23.4	21.8	11.5	Jan 04	210	1.81	1.67	1989
1990	13.6	6.22	11.4	18.7	11.8	12.8	3.12	0.88	0.765	23.6	34	17.3	12.9	Jan 04	210	1.81	1.67	1990
1991	8.74	33.6	5.03	10.5	12.3	7.19	5.19	8.94	2.78	1.39	27.9	22.9	12.0	Jan 04	210	1.81	1.67	1991
1992	36.7	24.4	11.8	10.7	8.93	5.75	1.71	0.626	2.26	19.1	20.9	6.50	12.4	Jan 04	210	1.81	1.67	1992
1993	5.30	9.54	21.9	17.9	24.4	11.8	4.78	4.53	1.23	2.84	10.8	21.9	11.4	Jan 04	210	1.81	1.67	1993
1994	20.2	7.85	26.2	24.9	10.8	7.06	2.80	1.49	2.72	10.9	11.1	26.7	12.8	Jan 04	210	1.81	1.67	1994
1995	20.5	26.8	18.6	15.7	25.7	12.0	5.14	3.12	2.75	29.4	55.0	24.7	19.9	Jan 04	210	1.81	1.67	1995
1996	32.4	20.1	13.3	31.1	11.5	7.68	3.45	1.00	1.73	17.2	17.2	5.97	13.5	Jan 04	210	1.81	1.67	1996
1997	17.8	10.3	18.1	12.8	29.3	17.3	10.3	2.78	12.8	42.3	30.7	18.6	19.6	Jan 04	210	1.81	1.67	1997
1998	26.8	19.9	13.9	9.76	22.5	11.1	3.57	1.08	0.684	8.34	25.6	17.6	13.4	Jan 04	210	1.81	1.67	1998
1999	18.9	8.61	9.44	19.2	31.8	39.6	23.8	7.69	2.55	7.74	25.8	17.2	19.3	Jan 04	210	1.81	1.67	1999
2000	4.37	7.30	8.79	16.0	17.7	17.1	5.18	2.24	1.90	11.2	10.0	10.2	9.32	Jan 04	210	1.81	1.67	2000
2001	13.4	5.30	9.75	15.1	17.4	13.1	4.02	4.58	2.69	13.3	38.0	9.29	12.2	Jan 04	210	1.81	1.67	2001

Avg.

S. D.

Normal

Normal

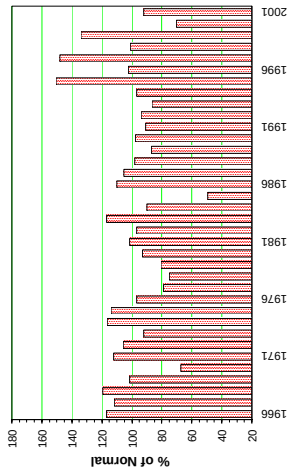
m³/s

mm

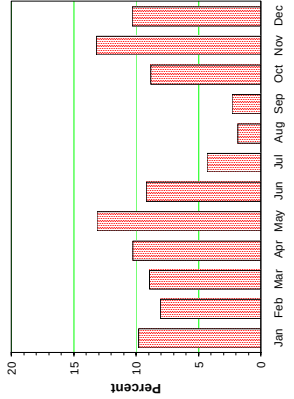
10-Year

m³/s

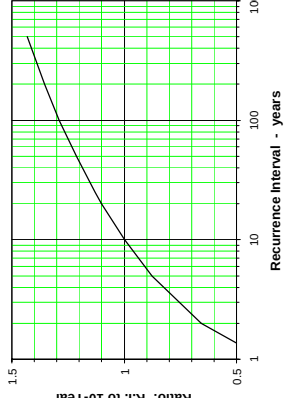
Annual Flow Variation



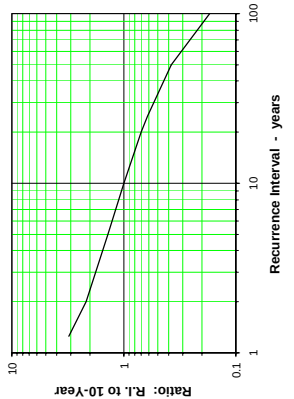
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



SALMON RIVER ABOVE MEMEKAY RIVER

08HD007 (CORRECTED FOR DIVERSION TO CAMPBELL LA Location:

50°11'56"N, 125°44'45"W

Monthly and Annual Discharge in m³/s

Drainage Area = 437 km²

Median Elevation = 619 m

Instantaneous Peak Flow (not corrected)

7-Day Low Flow (not corrected)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Jun-Sep	Annual	Year
1966	38.6	19.3	31.5	29.1	25.9	23.7	12.7	3.01	6.51	33.8	31.7	67.0	27.0	1.59	1.59	1966
1967	26.2	23.9	20.2	16.8	39.9	33.2	7.03	2.21	4.09	5.4	26	44.7	24.9	1.51	1.51	1967
1968	72.4	33.3	35.3	15	28	16	7.56	4.39	11.2	53.3	44.0	25.3	28.8	2.21	2.21	1968
1969	18.6	14.3	21.3	37.1	49.9	30.9	8.65	5.88	14.6	19.1	14.3	35.1	24.9	2.72	2.72	1969
1970	17.6	24.9	16.3	18.4	25.5	16.6	4.38	2.10	3.14	13.9	13.9	15.7	13.8	1.16	1.16	1970
1971	34.8	34.8	16.3	26.1	49.1	31.2	15.1	4.93	12.3	20.5	46.9	13.9	25.4	2.49	2.49	1971
1972	7.54	27.7	47.1	29.0	54.0	37.7	14.4	3.94	6.04	2.91	18.7	32.7	23.5	1.75	1.75	1972
1973	34.0	15.22	20.6	18.5	28.5	48.1	8.23	1.96	1.96	24.5	15.8	44.9	19.4	1.12	1.12	1973
1974	29.9	21.8	29.3	41.5	35.3	43.1	26.4	6.56	2.99	3.79	29.3	36.1	25.5	1.47	1.47	1974
1975	12.7	6.17	16.3	28.2	45.1	27.5	8.37	7.97	3.35	25.4	85.3	30.3	24.7	1.59	1.59	1975
1976	23.2	14.4	12.8	21.0	31.7	25.0	15.3	7.10	4.14	12.0	20.0	32.4	18.3	2.40	2.13	1976
1977	12.8	31.7	18.4	18.64	10.7	8.50	3.70	1.61	4.26	19.5	38.4	13.4	15.9	1.04	1.13	1977
1978	15.4	22.2	25.8	18.65	16.8	13.6	3.81	5.52	15.5	14.2	25.8	8.26	15.4	1.41	1.41	1978
1979	6.77	16.0	25.6	24.0	23.6	8.87	4.99	2.48	11.8	21.5	10.2	16.5	371	2.32	2.32	1979
1980	16.0	27.6	22.5	19.1	20.1	14.6	11.7	2.07	9.21	9.56	40.5	65.6	22.2	1.45	1.45	1980
1981	27.6	25.3	10.9	19.5	15.3	13.1	3.93	1.35	8.27	29.2	43.7	23.3	18.4	1.08	1.08	1981
1982	16.0	22.4	18.6	15.9	30.9	27.0	6.69	2.47	3.60	32.9	16.2	31.0	18.6	1.47	1.47	1982
1983	48.2	46.0	28.1	14.8	22.2	17.8	18.0	4.99	3.44	3.44	43.8	7.16	355	2.16	2.05	1983
1984	35.0	28.9	26.9	14.7	23.9	20.2	9.65	2.78	4.77	35.5	29.8	14.4	20.5	2.28	2.22	1984
1985	12.1	10.4	11.5	31.8	27.6	11.8	2.56	1.00	1.03	16.0	12.2	11.9	12.5	0.679	0.679	1985
1986	48.1	26.5	31.6	15.4	26.4	14.3	5.03	1.75	1.27	2.47	30.2	35.4	19.7	0.831	0.828	1986
1987	44.2	31.1	34.1	18.8	23.1	22.0	5.02	2.05	3.34	3.01	22.1	23.5	19.5	1.04	0.810	1987
1988	18.7	23.4	20.7	27.7	23.4	17.4	7.91	3.52	2.83	10.1	41.9	26.6	18.6	1.23	1.23	1988
1989	13.7	13.5	17.8	34.0	19.9	10.2	6.00	2.45	1.18	12.4	34.7	38.3	17.5	1.02	1.02	1989
1990	25.5	14.2	20.0	24.1	14.5	16.7	3.86	1.17	1.24	33.5	81.8	35.9	22.7	0.870	0.870	1990
1991	10.2	34.3	7.12	14.6	11.2	6.34	5.07	8.74	3.94	1.70	40.0	27.6	14.0	1.52	0.862	1991
1992	50.6	36.5	9.98	7.74	5.91	3.62	2.70	2.30	2.58	19.2	24.2	8.93	14.5	0.536	0.536	1992
1993	14.5	15.8	30.3	26.2	13.4	16.4	6.83	6.81	1.89	3.75	15.1	39.4	17.3	1.15	1.01	1993
1994	28.6	19.2	40.4	30.4	12.9	9.54	3.66	2.13	3.86	14.6	22.6	26.3	19.4	1.46	1.45	1994
1995	32.5	34.8	29.0	19.9	28.3	14.2	7.06	4.86	3.71	41.7	71.7	36.0	26.9	1.81	1.81	1995
1996	44.5	31.6	18.8	35.1	15.8	8.46	4.15	1.25	3.85	27.3	26.2	13.9	19.2	0.961	0.961	1996
1997	29.9	17.6	29.1	33.3	34.7	19.6	13.8	3.99	18.7	58.8	42.4	33.6	32.7	1.39	1.39	1997
1998	45.1	35.0	21.3	12.4	26.2	14.2	5.10	1.30	0.793	12.1	43.9	31.1	20.6	0.680	0.680	1998
1999	33.1	22.1	18.6	27.0	37.3	42.8	24.1	7.93	2.83	10.4	38.6	28.0	24.4	1.65	1.65	1999
2000	9.00	15.6	18.1	20.5	22.4	23.6	6.18	2.44	1.99	14.3	14.0	18.3	13.8	1.17	1.07	2000
2001	23.7	10.6	15.0	20.0	18.9	15.8	4.89	5.31	3.34	19.3	54.3	20.2	17.5	1.71	1.71	2001

Avg.

S. D.

Normal

Normal

mm

m³/s

10-Year

433

0.830

0.549

1.43

m³/s

298

102

0.547

1.47

m³/s

277

140

1.17

1.07

2000

1.65

1999

0.680

1998

1.39

1997

0.961

1996

1.81

1995

1.45

1994

1.01

1993

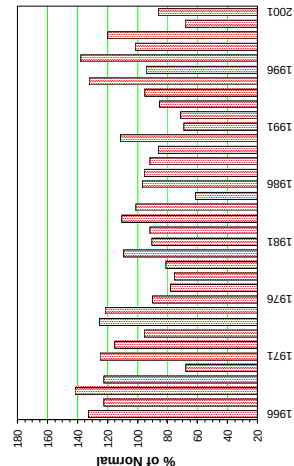
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1992

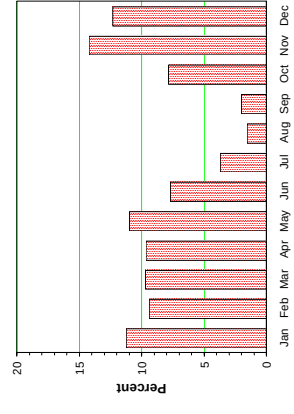
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1991

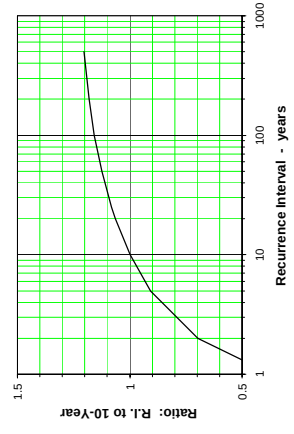
Annual Flow Variation



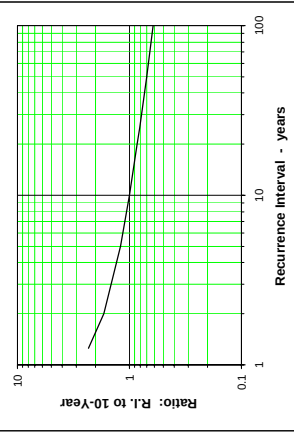
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



SALMON RIVER NEAR SAYWARD 08HD006 (CORRECTED FOR DIVERSION TO CAMPBELL LAKE)

Location: 50°18'24"N, 125°53'50"W

Monthly and Annual Discharge in m³/s

Drainage Area = 1,200 km²

Median Elevation = 627 m

Instantaneous Peak Flow (not corrected)

7-Day Low Flow (not corrected)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Jun-Sep	Annual	Year
1966	105	67.7	98.7	89.2	86.3	83.1	45.3	13.6	23.8	105	99.3	196	84.6	730	6.53	1966
1967	84.0	68.5	63.7	48.4	129	109	24.5	8.76	16.9	185	72.6	127	78.3	710	3.74	1967
1968	176	111	109	51.4	86.1	58.6	30.9	17.1	40.7	175	123	57.5	930	930	8.19	1968
1969	40.4	40.9	59.5	113	158	107	25.0	16.7	47.2	54.0	132	92.4	680	580	5.80	1969
1970	49.3	70.1	46.5	57.0	82.1	62.9	10.3	22.0	15.9	43.2	55.6	90.8	46.8	510	6.02	1970
1971	94.7	103	49.1	76.3	143	108	59.9	22.0	52.7	73.9	145	37.5	80.0	770	12.7	1971
1972	16.7	61.1	146	93.2	171	130	65.4	22.8	25.7	13.9	68.5	91.6	75.5	710	7.27	1972
1973	102	33.6	62.1	61.2	97.4	73.5	35.8	9.69	7.03	77.2	50.9	154	780	551	5.51	1973
1974	87.8	68.1	89.0	121	116	140	92.8	28.9	15.9	15.3	114	106	82.8	770	8.21	1974
1975	42.3	25.4	47.9	69.9	136	97.4	36.2	40.3	14.2	99.6	248	115	81.2	1100	6.18	1975
1976	75.9	47.7	44.1	63.3	120	100	64.4	31.9	21.7	42.4	61.1	121	66.3	680	12.6	1976
1977	38.0	95.7	59.8	70.7	50.0	40.6	19.5	8.16	18.8	72.2	121	70.4	55.0	770	5.84	1977
1978	42.6	68.3	82.4	61.9	68.8	54.6	16.7	19.6	53.7	59.1	74.3	30.8	52.5	870	4.81	1978
1979	14.5	47.3	84.0	82.1	97.6	46.6	25.3	6.72	45.7	59.3	38.6	123	56.0	770	3.74	1979
1980	48.2	84.9	64.3	84.3	70.4	49.7	41.1	8.89	43.8	28.9	121	190	69.5	960	7.42	1980
1981	92.7	91.5	42.8	72.0	63.8	56.2	16.1	8.68	37.7	109	123	67.4	79.3	900	7.93	1981
1982	45.5	78.9	58.0	51.7	110	109	30.8	13.1	15.8	120	68.9	99.8	66.8	661	10.3	1982
1983	150	149	94.2	57.6	78.1	60.4	59.4	19.2	18.6	63.9	138	26.4	75.6	871	13.0	1983
1984	110	86.7	88.0	55.1	77.3	71.7	44.5	16.2	23.7	113	86.7	44.1	68.3	673	12.9	1984
1985	38.3	34.6	36.5	97.6	95.8	45.7	14.6	6.42	5.80	55.5	36.8	33.9	41.8	281	4.04	1985
1986	142	86.9	115	60.4	104	63.5	25.9	8.41	6.01	12.0	97.3	118	69.9	672	3.91	1986
1987	151	113	125	71.2	104	86.1	26.6	8.20	12.8	8.10	84.4	85.8	72.9	1190	5.93	1987
1988	58.8	76.6	70.9	89.8	86.0	68.2	33.6	17.0	11.7	35.5	122	108	64.7	686	6.15	1988
1989	57.4	45.3	50.7	105	70.4	42.5	25.1	10.2	4.86	14.3	111	116	57.0	674	3.86	1989
1990	88.6	56.5	61.4	71.4	52.1	66.3	18.1	6.67	6.18	130	325	150	85.9	1560	4.10	1990
1991	59.7	186	27.8	55.9	54.3	31.4	26.8	39.2	13.9	64.7	146	109	62.0	712	6.09	1991
1992	188	137	50.2	46.6	36.0	23.4	10.2	6.45	9.53	93.9	117	37.1	62.7	1030	3.58	1992
1993	38.8	51.2	149	89.7	117	59.3	26.6	28.1	7.93	16.3	49.6	123	63.2	1000	5.36	1993
1994	89.4	41.8	132	100	48.3	41.8	132	7.94	12.9	55.1	74.4	149	65.4	783	5.52	1994
1995	109	158	88.6	69.3	95.0	55.7	28.4	21.4	15.0	139	247	139	96.7	1430	7.79	1995
1996	159	93.3	63.0	136	55.5	34.8	17.6	6.80	16.7	91.7	83.4	44.0	66.7	1030	6.06	1996
1997	92.9	57.5	94.3	112	126	82.0	48.8	21.9	58.9	182	138	109	93.9	811	8.14	1997
1998	144	113	73.6	43.0	87.9	49.8	21.4	5.90	4.24	46.5	141	106	69.4	610	3.63	1998
1999	110	78.7	67.6	91.9	128	157	98.0	37.8	16.1	38.2	141	104	89.0	695	10.1	1999
2000	31.4	47.8	58.8	70.1	81.5	82.9	30.3	15.0	10.1	62.1	53.2	60.8	50.3	562	6.78	2000
2001	74.4	36.2	48.9	68.0	68.8	58.1	21.2	31.9	17.9	71.6	176	63.5	61.4	681	8.77	2001

Avg.

S. D.

Normal

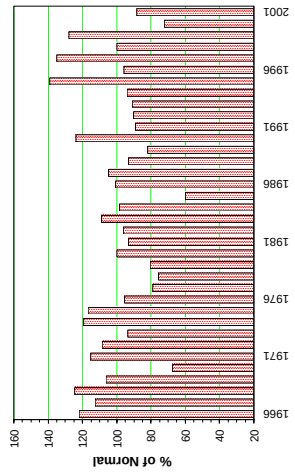
Normal

m³/s

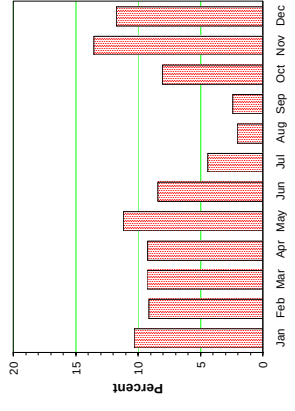
mm

10-Year

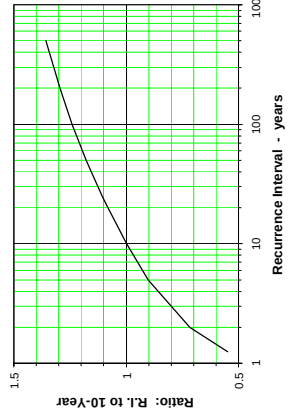
Annual Flow Variation



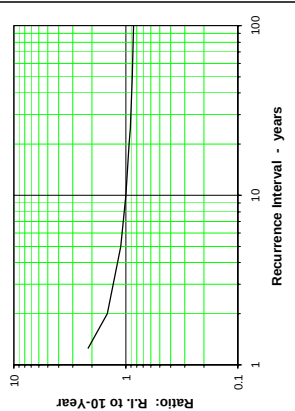
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



SOOKE LAKE INFLOW

(Monthly Reservoir Data provided by Capital Regional District)

Location: 48°31'03"N, 123°42'00"W

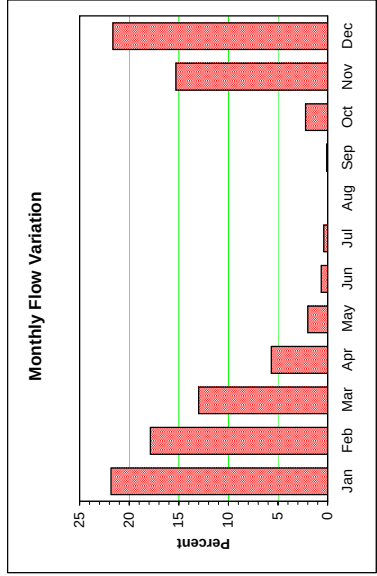
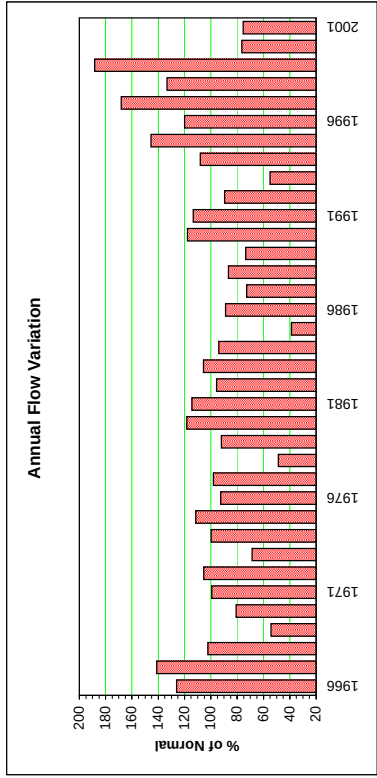
Monthly and Annual Inflow in m³/s

Drainage Area = 72.6 km²

Median Elevation = 326 m

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	% of Normal	Year
1966	12.6	4.07	3.92	1.56	0.372	0.190	0.188	0.088	0.127	1.04	3.22	11.6	3.26	126	1966
1967	13.4	6.31	4.15	1.19	0.686	0.049	0.019	-0.070	0.070	5.85	3.42	8.70	3.65	141	1967
1968	9.32	5.50	1.25	0.620	0.501	0.228	-0.182	-0.029	0.115	2.04	4.13	8.32	2.65	102	1968
1969	4.00	4.08	0.000	0.000	1.02	0.076	-0.133	-0.234	0.353	0.547	1.21	6.06	1.41	54	1969
1970	9.76	5.05	0.821	0.596	0.246	-0.246	-0.085	-0.441	0.763	0.100	2.33	6.32	2.09	81	1970
1971	10.2	5.15	6.04	2.28	0.586	0.044	-0.285	-0.304	0.326	-0.306	3.67	3.57	2.57	99	1971
1972	7.23	5.91	6.76	2.08	0.100	-0.507	-0.081	-0.847	-0.040	-0.348	0.766	11.6	2.73	105	1972
1973	3.23	1.43	0.849	0.032	0.029	-0.347	-0.382	-0.492	0.043	0.625	9.09	7.28	1.78	69	1973
1974	7.10	7.77	4.13	1.49	0.984	0.121	-0.577	-0.486	-0.333	4.54	5.87	2.58	1.98	100	1974
1975	3.99	2.41	3.10	1.28	0.158	-0.228	0.100	0.218	-0.022	5.10	9.81	8.67	2.89	111	1975
1976	8.73	5.94	5.43	2.57	0.842	-0.279	2.30	0.847	-0.136	0.144	0.042	2.29	2.39	92	1976
1977	2.59	4.18	6.92	1.08	0.301	-0.071	0.148	0.014	0.619	0.491	6.80	7.55	2.54	98	1977
1978	4.25	2.65	2.10	0.932	0.643	-0.028	0.069	-0.078	0.190	0.175	1.06	3.21	1.26	49	1978
1979	1.19	7.82	3.64	1.08	0.498	0.081	0.136	-0.042	0.272	0.944	0.822	12.4	2.38	92	1979
1980	4.50	6.25	3.61	1.34	0.506	0.555	0.129	-0.234	0.154	0.213	6.71	13.1	3.06	118	1980
1981	2.79	10.5	1.42	3.40	0.787	0.316	0.417	0.024	0.279	1.13	6.69	8.48	2.96	114	1981
1982	6.80	7.11	2.33	1.68	0.388	0.229	0.096	0.176	-0.066	0.641	2.32	8.31	2.48	96	1982
1983	7.04	7.92	1.86	1.17	0.340	0.624	0.428	0.081	0.201	0.120	9.50	4.10	2.74	106	1983
1984	5.24	2.19	3.27	1.89	1.97	0.837	0.098	-0.090	0.024	0.863	7.78	5.14	2.43	94	1984
1985	1.48	2.23	1.62	1.79	0.777	0.312	0.052	-0.230	-0.153	0.913	2.13	1.24	1.00	39	1985
1986	7.85	7.46	2.26	0.899	1.07	0.505	0.176	-0.225	-0.104	0.103	4.92	3.11	2.30	89	1986
1987	5.91	4.25	3.88	1.31	0.616	0.409	-0.086	-0.104	-0.096	-0.114	0.866	5.86	1.89	73	1987
1988	4.23	2.87	4.45	4.18	0.605	0.374	0.077	-0.022	0.149	0.415	6.01	3.71	2.25	87	1988
1989	6.76	1.86	4.29	2.97	0.391	-0.069	0.167	-0.362	-0.027	0.321	2.20	4.30	1.91	74	1989
1990	7.13	6.07	3.80	1.14	0.580	0.694	0.165	-0.080	0.111	0.999	12.0	4.29	3.05	118	1990
1991	7.82	9.32	3.10	3.48	0.464	0.143	0.121	0.135	0.306	-0.126	5.35	5.67	2.94	113	1991
1992	11.8	7.83	1.35	0.722	0.570	0.131	-0.169	-0.246	-0.072	0.231	2.50	3.33	2.32	89	1992
1993	3.87	1.31	3.68	1.91	1.49	0.365	0.042	-0.061	-0.122	0.076	0.388	4.03	1.42	55	1993
1994	3.35	4.63	7.36	2.38	0.119	0.063	-0.109	-0.303	-0.022	0.301	3.97	11.9	2.80	108	1994
1995	6.50	12.4	4.55	0.940	0.094	-0.166	-0.366	-0.056	-0.029	0.626	10.2	11.3	3.77	146	1995
1996	10.2	7.49	2.41	3.53	0.980	0.114	-0.250	-0.140	-0.297	1.25	4.00	8.09	3.11	120	1996
1997	15.4	5.45	10.3	2.78	1.34	0.563	0.692	0.020	0.347	4.54	3.73	6.95	4.35	168	1997
1998	11.6	5.34	3.35	0.600	0.194	-0.106	-0.143	-0.299	-0.199	0.312	10.4	10.5	3.46	133	1998
1999	15.6	18.5	7.14	2.37	0.651	0.061	-0.072	-0.085	-0.142	0.823	5.85	8.78	3.46	188	1999
2000	6.48	5.79	4.36	0.579	0.460	0.723	0.046	-0.228	-0.025	0.424	1.02	4.19	1.98	76	2000
2001	3.83	2.13	1.88	1.06	0.748	0.194	-0.172	0.049	-0.008	0.301	3.95	9.46	1.96	76	2001

Avg.	7.05	5.76	3.65	1.64	0.614	0.183	0.091	-0.117	0.067	0.845	4.54	6.93	2.59	m³/s
S. D.	6.69	6.00	3.98	1.80	0.62	0.20	0.12	-0.12	0.03	0.69	4.84	6.63	2.61	m³/s
Normal	247	202	147	64	23	7	4	-4	1	25	173	245	1130	mm



TSITIKA RIVER BELOW CATHERINE CREEK 08HF004

Location: 50°26'13"N, 126°34'27"W

Monthly and Annual Discharge in ft^3/s 359 km^2

Median Elevation = 773 m

Instantaneous Peak Flow

7-day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year
1966	18.5	9.3	11.5	13.5	33.9	31.6	13.9	10.3	4.05	28.8	102	38.4	26.3	Nov 13	1010	1966
1967	23	23	23	23	23	23	23	12.8	9.82	13.4	24.3	53.9	23	Dec 15	583	1967
1968	13.3	35.2	25.3	31.8	19.6	17.4	12.0	3.85	5.63	31.1	44.4	28.6	22.2	Oct 23	541	1968
1969	17.2	18.5	26.7	13.8	15.5	21.1	6.2	7.56	19.8	23.1	30.3	9.64	17.4	Nov 06	470	1969
1970	4.52	16.2	31.8	22.0	31.4	18.7	11.2	2.94	15.9	20.6	12.3	43.5	19.3	Dec 17	295	1970
1971	15.4	21.2	15.5	23.4	21.5	15.7	12.0	4.95	18.7	9.20	38.5	49.4	20.4	Dec 10	348	1971
1972	27.1	30.1	9.52	24.0	22.4	15.2	4.82	1.99	11.5	36.2	31.4	20.7	19.5	Oct 31	325	1972
1973	20.3	27.7	11.1	11.5	30.8	34.7	13.9	3.91	5.25	31.3	17.5	18.7	18.8	Oct 22	191	1973
1974	43.2	40.5	20.2	15.8	20.0	18.2	18.8	5.11	8.03	22.3	40.9	10.2	21.8	Feb 11	373	1974
1975	50.5	30.9	19.0	15.9	20.2	20.6	14.5	5.39	14.4	37.0	24.5	16.0	22.4	Jan 04	347	1975
1976	21.1	14.8	9.07	25.7	27.3	16.1	5.18	1.89	1.49	28.2	13.0	10.8	14.6	Apr 01	160	1976
1977	42.3	24.6	29.7	15.7	29.2	20.6	9.17	2.24	2.24	6.02	42.2	35.9	21.6	Jan 18	409	1977
1978	41.1	33.6	27.9	5.93	22.3	30.4	9.94	2.73	5.93	4.00	35.7	24.4	21.6	Jan 11	447	1978
1979	21.5	30.6	24.2	29.9	31.1	25.9	14.9	7.83	6.05	15.6	38.9	23.1	22.4	Nov 05	269	1979
1980	26.6	8.47	10.0	29.2	22.6	14.8	6.22	3.07	1.31	19.0	49.2	32.0	18.6	Nov 09	477	1980
1981	23.5	18.3	18.8	22.8	16.4	14.1	5.67	1.77	1.72	48.0	95.3	51.2	27.0	Nov 23	873	1981
1982	22.6	57.6	6.25	12.8	15.9	12.6	8.07	14.6	2.99	1.78	56.1	71.3	23.3	Nov 19	337	1982
1983	122	67.1	13.9	27.0	18.2	10.8	3.54	1.82	7.06	53.5	38.9	16.9	31.7	Oct 23	702	1983
1984	15.5	18.6	35.9	17.9	30.6	18.5	6.58	7.78	2.62	7.41	27.3	48.5	19.3	Dec 03	722	1984
1985	24.7	17.7	39.4	25.6	13.9	12.3	5.04	2.33	5.27	27.2	18.7	48.5	20.1	Dec 22	430	1985
1986	17.5	22.1	14.5	14.9	24.2	14.1	9.85	10.3	4.37	63.6	65.9	19.4	23.4	Nov 08	660	1986
1987	47.7	24.7	14.3	36.2	12.3	8.21	4.34	2.24	4.69	31.8	24.1	15.4	18.8	Jan 11	580	1987
1988	41.0	25.3	31.3	34.3	50.1	39.2	16.9	6.97	18.2	55.8	46.7	53.3	35.0	Dec 29	287	1988
1989	43.7	30.4	22.0	2.33	30.3	17.7	6.68	1.98	2.33	21.1	40.1	47.0	23.1	Dec 12	359	1989
1990	35.7	26.6	18.6	26.2	39.2	54.9	37.9	17.0	10.2	16.8	43.6	36.8	30.3	Nov 09	266	1990
1991	11.0	13.4	13.0	21.4	24.6	24.5	10.8	6.26	6.41	20.9	23.3	20.7	16.3	Oct 20	235	1991
1992	23.5	11.3	17.2	21.3	26.1	21.5	9.18	14.6	8.70	34.0	67.6	26.8	23.5	Nov 15	361	1992
1993	30.4	25.8	20.0	21.9	24.9	21.2	11.1	6.05	7.56	26.2	40.5	32.0	23.1	Nov 15	447	1993
1994	30.6	26.4	20.1	21.9	24.9	21.2	11.2	5.72	7.52	25.9	39.4	32.2	22.4	Nov 15	206	1994
1995	229	179	150	158	185	153	83.5	42.7	54.3	193	285	241	1970	Nov 15	721	1995

Avg.

S. D.

Normal

Normal

m^3/s

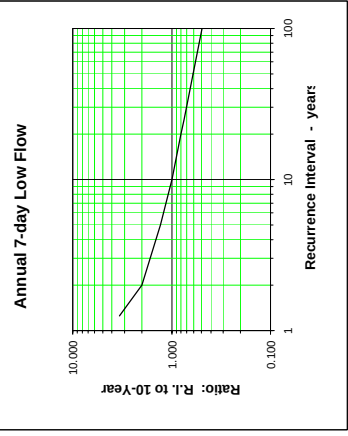
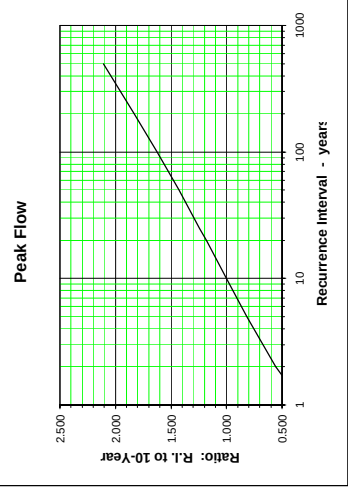
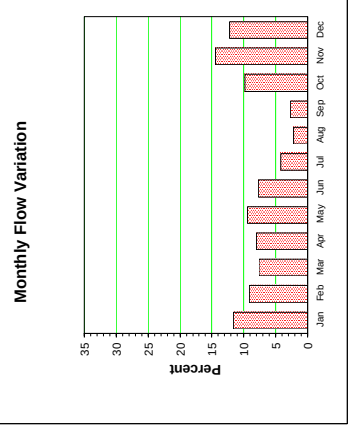
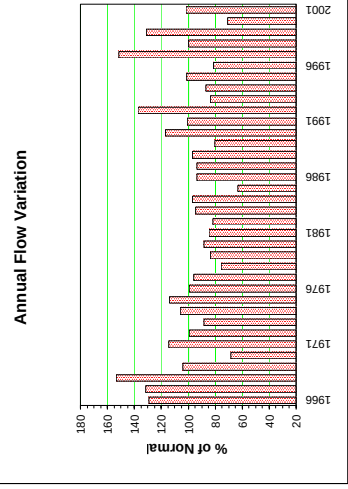
mm

10-Year

1.08

1.00

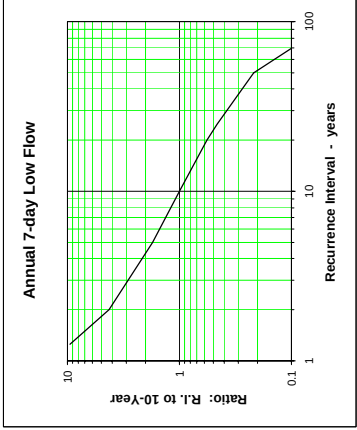
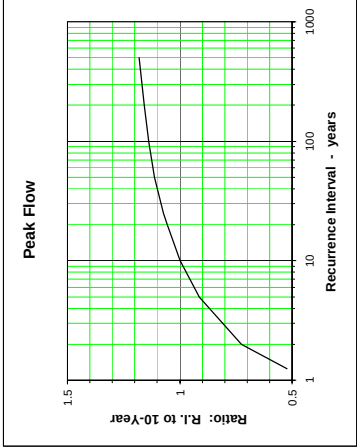
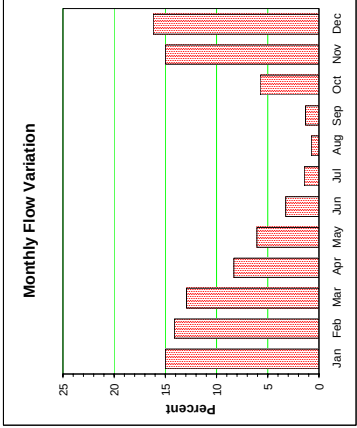
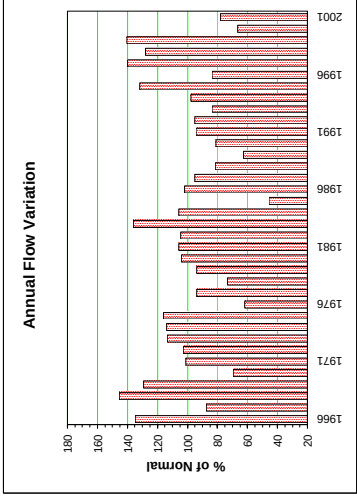
m^3/s



TSOLUM RIVER NEAR COURTENAY 08HB011

Location: 49°42'26"N, 125°00'41"W

Year	Monthly and Annual Discharge in m³/s												Drainage Area = 258 km²				Median Elevation = 230 m				Instantaneous Peak Flow				7-Day Low Flow									
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year
1966	33.6	17.0	21.6	8.72	4.79	3.07	1.40	0.741	1.55	3.38	24.5	51.4	14.3	Nov 28	250	0.444	0.444	1966																
1967	19.9	10.3	21.1	6.91	6.79	3.58	0.386	0.210	0.687	15.3	8.5	17.3	9.29	Mar 16	131	0.210	0.034	1967																
1968	42.1	19.6	22.6	4.62	4.95	2.15	0.513	1.50	1.62	25.3	31.0	29.0	15.5	Jan 14	206	0.051	0.051	1968																
1969	5.94	22.6	19.5	30.6	15	7.4	1.8	1.0	4.8	5.45	22.8	29.3	13.7	Dec 22	163	0.137	0.137	1969																
1970	10.2	10.8	9.16	6.21	3.36	1.86	0.709	0.406	0.245	8.47	10.9	26.5	7.40	Dec 11	129	0.127	0.127	1970																
1971	17.9	14.7	12.7	11.3	16.1	7.10	2.57	0.556	1.59	4.63	29.0	11.5	10.8	Nov 10	189	0.260	0.260	1971																
1972	5.35	17.4	33	15	10	4.9	1.88	0.496	2.27	1.55	15.2	23.3	10.9	Dec 19	159	0.253	0.253	1972																
1973	34.0	7.76	14.7	5.9	8.57	3.90	1.74	0.498	1.11	6.24	16.8	42.4	12.1	Jan 15	224	0.270	0.270	1973																
1974	19.6	19.9	29.5	19.5	8.04	5.39	3.65	0.478	0.763	0.666	17	22	12.1	Mar 27	180	0.243	0.243	1974																
1975	9.01	7.92	15.9	11.5	13.70	3.54	0.784	1.15	1.00	20.1	44.6	18.9	12.3	Nov 13	223	0.074	0.074	1975																
1976	15.8	10.2	8.7	9.6	8.4	4.16	2.50	0.654	1.0	2.7	5.0	10.1	6.56	Dec 26	61.2	0.188	0.188	1976																
1977	5.66	19.0	17.1	8.3	5.34	4.65	0.719	0.203	2.34	13.2	25.3	18.6	10.0	Nov 13	107	0.082	0.082	1977																
1978	14.0	18.7	15.0	11.4	4.70	2.40	0.747	4.90	7.99	1.63	5.1	8.02	7.81	Feb 07	146	0.230	0.230	1978																
1979	4.03	24.7	14.5	11.2	7.35	1.42	1.61	0.423	6.09	12.8	7.8	28.9	10.0	Dec 17	192	0.170	0.170	1979																
1980	12.2	25.3	14.1	12.1	4.35	4.69	4.47	0.430	0.847	1.16	22.8	30.9	11.0	Dec 27	215	0.188	0.188	1980																
1981	20.4	17.5	5.47	7.42	6.72	3.49	1.80	1.09	3.77	14.4	29.9	23.6	11.2	Jan 21	147	0.097	0.097	1981																
1982	13.8	21.6	15.7	10.8	9.68	4.34	1.00	0.263	0.672	20.3	10.1	25.2	11.1	Oct 25	140	0.084	0.084	1982																
1983	30.7	43.2	26.7	8.02	5.13	2.81	2.56	0.682	1.50	3.53	44.9	6.81	14.5	Feb 11	235	0.356	0.356	1983																
1984	14.3	25.5	17.9	10.4	11.2	3.18	0.986	0.332	0.490	13.9	27.1	10.6	11.3	Oct 09	136	0.139	0.139	1984																
1985	3.46	6.76	8.30	11.5	6.50	1.76	0.135	0.039	0.871	6.52	4.17	8.26	4.84	Oct 21	72.2	0.005	0.005	1985																
1986	36.5	13.5	16.0	7.23	9.70	3.88	1.08	0.119	0.104	0.859	11.8	30.1	10.9	Dec 22	186	0.040	0.040	1986																
1987	28.1	23.7	23.2	6.27	5.71	2.40	1.04	0.214	0.156	0.229	6.94	24.0	10.1	Mar 05	170	0.135	0.135	1987																
1988	17.2	8.23	10.7	11.6	6.08	3.49	0.776	0.263	0.252	0.578	29.5	15.3	8.64	Jan 14	133	0.105	0.105	1988																
1989	9.10	8.32	14.0	14.0	4.01	1.49	2.51	0.625	0.206	5.95	6.77	13.5	6.67	Dec 04	110	0.152	0.152	1989																
1990	15.6	11.3	11.1	6.02	3.80	9.47	1.03	0.087	0.155	7.66	26.4	11.1	8.60	Nov 23	168	0.061	0.061	1990																
1991	9.86	39.5	6.82	10.6	2.43	1.42	0.82	6.18	2.02	0.331	21.1	22.0	10.0	Nov 19	208	0.441	0.441	1991																
1992	42.8	27.7	5.43	6.20	2.41	1.10	0.77	0.09	0.30	7.59	17.9	9.75	10.1	Jan 30	201	0.037	0.037	1992																
1993	10.0	7.43	17.8	17.7	11.3	9.39	2.94	1.24	0.23	0.962	2.21	24.9	8.87	Dec 13	151	0.145	0.145	1993																
1994	19.4	17.6	18.1	11.3	2.58	2.56	0.819	1.81	1.35	3.50	16.6	29.3	10.4	Dec 19	175	0.267	0.267	1994																
1995	29.5	18.7	22.6	10.2	7.06	2.16	1.01	1.08	0.686	7.83	34.8	32.9	14.0	Nov 18	226	0.457	0.457	1995																
1996	17.8	19.6	10.4	17.1	5.77	1.73	0.707	0.09	0.994	8.14	10.5	14.4	8.89	Feb 05	96.2	0.046	0.046	1996																
1997	24.1	9.73	21.4	13.6	12.4	7.21	4.69	2.54	0.972	30.3	20.2	21.8	14.9	Oct 10	224	0.871	0.871	1997																
1998	42.5	32.9	15.0	4.12	5.02	2.00	1.20	0.312	0.477	5.28	30.3	25.6	13.6	Jan 23	225	0.177	0.177	1998																
1999	24.7	38.2	21.8	11.8	15.0	12.6	4.69	0.788	0.644	3.56	27.6	19.8	14.9	Nov 09	188	0.522	0.522	1999																
2000	7.60	16.1	13.4	5.40	5.13	6.15	0.83	0.289	0.774	6.57	7.00	16.1	7.09	Nov 30	66.0	0.009	0.009	2000																
2001	13.3	8.39	7.82	7.67	4.45	2.21	0.43	1.04	0.688	3.00	27.7	22.9	8.28	Nov 21	167	0.185	0.185	2001																
Avg.	18.9	18.4	16.1	10.6	7.29	4.03	1.59	0.912	1.67	7.59	19.4	21.6	10.6		167	0.224	0.218	m³/s																
S. D.													2.65		49.6	0.223	0.220	m³/s																
Normal	18.5	19.1	15.9	10.6	7.45	4.16	1.74	0.931	1.68	7.07	19.1	20.0	10.5		233	0.035	0.035	m³/s																
Normal	192	181	165	106	77	42	18	10	17	73	192	207	1280	10-Year				m³/s																



UCONA RIVER AT THE MOUTH 08HC002

Location: 49°42'32"N, 126°05'52"W

Drainage Area = 189 km² Median Elevation = 873 m

Instantaneous Peak Flow 7-Day Low Flow

Monthly and Annual Discharge in ft³/s

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Year
1966	28.5	15.2	23.5	19.1	17.7	22.8	17.0	8.34	11.9	25.9	25.7	48	22	Mar 29	243	4.12	1966
1967	23	16.8	11.2	7.52	21.8	27.7	11.8	4.93	7.05	47.2	21.3	37.0	20	Dec 10	436	2.13	1967
1968	62.6	21.2	18.0	9.40	17.6	15.5	11.5	5.38	9.60	48.8	33.9	18.5	22.7	Jan 20	705	2.82	1968
1969	10	10.4	14.2	23.1	34.1	30.8	14.2	7.80	17.4	14.5	31.6	22.5	19	Nov 19	188	4.46	1969
1970	11.0	12.6	10.4	15.6	17.9	17.2	7.98	4.61	6.63	11.8	13.1	10.0	11.5	Apr 05	104	2.27	1970
1971	33	25	10.4	13.9	25.7	28.0	19.9	12.8	14.2	20.1	34.8	5.88	20	Nov 09	185	5.07	1971
1972	6.28	15.0	33.2	16.7	24.9	25.3	17.3	6.31	9.46	4.08	16.0	27.1	16.8	Dec 19	181	2.74	1972
1973	20.5	11.2	10.6	10.5	23.8	20.6	14.0	5.40	2.85	21.5	13.6	34.1	16.3	Dec 15	292	1.63	1973
1974	28.3	15	20	21	23	31.6	25.5	15.3	9.48	7.41	26.2	28.9	21	Jan 15	411	4.63	1974
1975	13.2	7.43	11.4	12.3	23.6	24.8	15.1	12.1	6.53	30.2	79.0	27.9	22.0	Nov 13	949	3.20	1975
1976	21.5	12.2	11.9	12.8	26.0	24.8	22.6	13.5	10.3	12.5	19.5	31.0	18.3	Nov 17	162	5.81	1976
1977	10.0	23.4	14.6	18.0	14.7	16.7	7.26	3.99	7.13	22.9	30.1	20.1	15.6	Oct 23	300	3.35	1977
1978	13.2	16.6	22.1	9.36	14.5	18.8	9.63	10.6	20.5	15.1	20.1	12.3	15.2	Nov 07	272	3.37	1978
1979	4.90	18.7	22.9	11.8	20.5	14.4	11.5	2.09	17.5	16.4	10.4	40.2	15.9	Dec 17	303	1.48	1979
1980	12.4	23.0	13.3	17.7	17.3	15.6	11.0	3.33	8.08	8.13	33.1	51.2	17.8	Dec 26	386	2.70	1980
1981	28.8	26.5	8.72	20.9	19.6	15.9	5.59	2.13	10.6	29	30	17	18		1.67	1981	
1982	13	22	10	11	20	23	10	6.3	7.4	34	16	21	16				1982
1983	40	35	18	13	16	15	15	6.4	6.8	17	35	9.3	19				1983
1984	32	20	19	16	19	16	12	6.5	7.63	30.2	19.2	11.1	17				1984
1985	10.5	9.31	6.59	18.4	21.1	14.3	6.89	4.7	4	14	9.2	7.6	11	Nov 01	882		1985
1986	36.6	22.3	28.7	11.6	28.4	21.3	9.58	3.14	1.84	5.65	28.6	27.8	18.8	Nov 23	241	1.09	1986
1987	33.0	28.0	25.6	16.4	23.0	26.2	10.7	3.88	4.86	2.50	28.8	18.0	18.3	Jan 11	337	2.12	1987
1988	16.1	19.1	16.4	22.6	27.5	22.5	15.5	6.76	4.18	9.71	31.1	17.6	17.4	Nov 05	167	2.21	1988
1989	17.4	8.49	9.86	24.8	19.1	17.0	7.48	3.20	1.45	16.9	34.2	20.9	15.1	Nov 09	383	1.04	1989
1990	19.6	13.2	13.0	16.7	13.5	17.2	5.83	1.38	1.17	29.8	64.8	24.8	18.4	Nov 11	668	0.726	1990
1991	14.9	40.0	4.80	10.8	14.4	11.3	7.16	15.2	4.79	1.74	33.1	29.9	15.5	Nov 19	231	1.88	1991
1992	44.3	27.9	10.2	14.3	10.8	9.3	4.23	2.63	3.63	25.0	23.7	11.2	15.6	Oct 23	318	1.28	1992
1993	10.3	13.6	22.6	16.3	26.6	16.3	5.91	4.82	1.63	3.74	15.6	27.3	13.7	Dec 03	251	1.07	1993
1994	23.0	14.7	28.3	18.2	13.5	16.0	6.88	2.88	4.02	13.1	21.0	36.7	16.6	Mar 02	231	1.86	1994
1995	24.0	30.2	18.7	12.8	23.1	20.0	12.0	5.27	3.21	33.6	59.0	30.1	22.6	Nov 08	662	2.08	1995
1996	27.7	19.4	14.0	31.4	13.9	13.1	7.20	2.47	5.25	20.8	19.0	12.6	15.5	Apr 05	278	1.94	1996
1997	27.0	14.8	24.2	22.0	31.6	30.0	18.8	8.15	16.0	39.0	33.4	31.4	24.8	Nov 03	191	3.39	1997
1998	37.9	25.3	16.7	8.11	20.8	16.9	10.8	3.20	1.62	11.4	32.1	29.9	17.9	Jan 23	187	1.18	1998
1999	23.3	21.5	13.1	15.0	22.3	34.2	28.6	18.6	7.12	12.3	40.1	25.6	21.8	Nov 09	190	4.34	1999
2000	8.38	11.7	9.70	16.3	20.6	23.6	16.3	7.59	5.14	19.0	14.2	15.5	14.0	Oct 20	196	2.91	2000
2001	15.3	7.82	11.2	14.1	17.4	17.5	9.38	12.0	7.87	18.1	43.5	18.4	16.1	Nov 15	204	3.80	2001

Avg.

S. D.

Normal

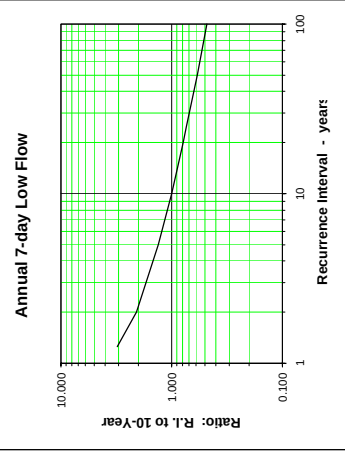
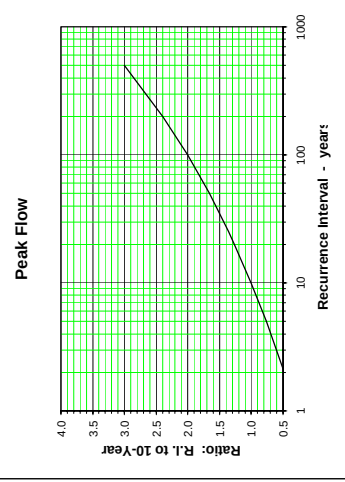
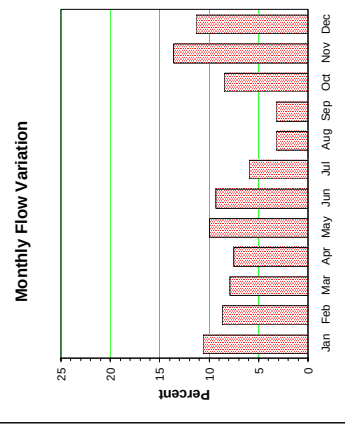
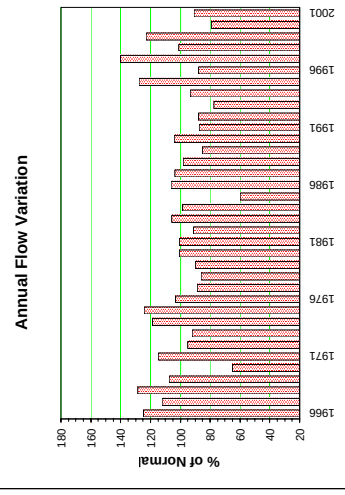
Normal

m³/s

mm

10-Year

m³/s



UPPER CAMPBELL LAKE INFLOW

(Monthly Reservoir Data provided by BC Hydro is preliminary and subject to revision)

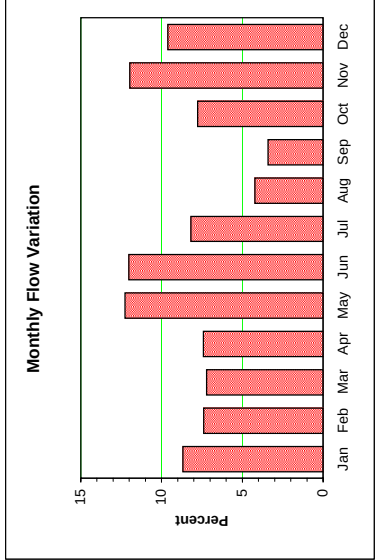
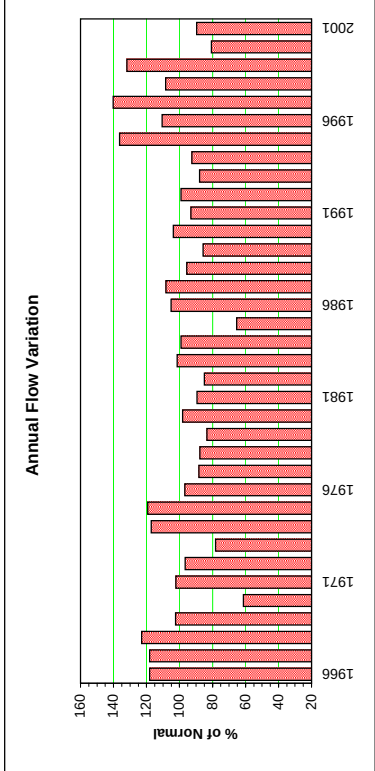
Location: 49°59'42"N, 125°34'55"W

Monthly and Annual Inflow in m³/s

Drainage Area = 1170 km²

Median Elevation = 932 m

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	% of Normal	Year
1966	77.3	44.7	81.0	92.9	108	123	104	41.9	41.3	102	103	187	92.5	118	1966
1967	86.4	66.0	41.6	27.2	131	183	74.5	33.4	32.6	195	91.2	144	92.5	118	1967
1968	227	91.2	85.5	39.6	103	88.6	66.8	30.3	40.5	181	134	64.3	96.2	123	1968
1969	30.3	20.2	32.3	95.8	191	202	70.7	32.7	57.2	54.6	106	68.4	80.2	102	1969
1970	33.7	50.2	35.7	55.1	96.6	114	43.5	18.8	19.3	32.7	44.4	34.7	48.1	61	1970
1971	88.3	93.1	35.1	48.4	135	135	111	57.5	54.5	62.4	117	27.1	80.1	102	1971
1972	22.0	45.0	134	65.2	144	165	115	39.2	29.7	13.6	47.6	84.8	75.6	97	1972
1973	86.4	31.1	38.1	39.6	106	97.3	70.6	25.5	21.5	84.4	41.5	87.4	61.1	78	1973
1974	101	63.8	85.5	84.5	103	165	135	86.8	49.2	34.9	83.7	106	91.7	117	1974
1975	46.3	26.2	46.6	52.0	135	132	86.8	65.2	32.9	121	270	106	93.4	119	1975
1976	79.8	45.3	27.5	46.0	122	128	113	72.5	46.6	42.0	75.8	108	75.7	97	1976
1977	42.1	92.6	51.8	76.4	63.5	88.5	44.7	36.5	37.0	87.4	130	83.7	69.2	88	1977
1978	38.3	67.0	94.6	62.1	86.7	127	64.9	55.2	71.3	53.5	78.7	25.9	68.6	88	1978
1979	15.3	32.8	100.5	51.8	104	76.5	52.1	14.1	73.6	76.5	38.3	145	65.3	83	1979
1980	42.4	72.3	51.8	72.3	95.8	93.8	66.2	14.6	37.2	27.5	128	220	76.8	98	1980
1981	108	85.3	32.8	68.2	84.9	62.1	35.3	10.5	36.8	113	140	66.3	70.0	89	1981
1982	36.0	67.5	29.9	30.0	99.7	171	66.7	16.2	15.0	145	49.3	72.4	66.6	85	1982
1983	121	126	81.3	50.4	118	111	78.1	30.4	13.5	54.0	145	27.7	79.4	101	1983
1984	122	77.4	68.3	59.5	69.9	118	89.3	34.3	33.8	135	74.8	48.9	77.7	99	1984
1985	41.5	35.7	31.9	81.1	105	84.3	42.6	19.0	14.0	76.1	45.3	36.3	51.2	65	1985
1986	136	96.4	118	51.6	129	115	57.6	27.4	16.4	24.9	101	115	82.4	105	1986
1987	117	107	121	79.1	127	147	78.7	33.2	26.8	12.9	103	68.9	84.8	108	1987
1988	51.4	70.4	63.2	100	123	108	82.5	39.6	20.1	39.0	128	74.6	74.9	96	1988
1989	50.6	30.4	18.8	132	106	94.5	45.4	26.4	16.5	68.1	126	89.6	67.2	86	1989
1990	71.8	46.4	48.3	87.4	82.1	88.4	41.2	21.6	14.0	123	251	100	81.3	104	1990
1991	54.8	169	28.9	47.5	79.0	71.7	53.3	78.0	29.8	17.2	137	118	72.9	93	1991
1992	174	118	60.6	79.0	75.6	73.0	40.4	33.2	33.3	106	98.3	40.9	77.5	99	1992
1993	40.4	62.2	96.4	73.3	156	93.8	44.2	34.5	18.1	30.8	63.8	111	68.8	88	1993
1994	95.6	60.3	120	93.0	84.5	75.3	45.1	21.2	26.0	46.0	72.9	128	72.5	93	1994
1995	94.7	127	81.3	63.9	143	119	78.7	38.5	20.5	124	263	132	107	136	1995
1996	136	103	72.1	134	164	76.4	96.3	21.9	20.2	81.9	89.3	44.5	86.6	111	1996
1997	97.4	59.1	87.0	96.1	164	147	96.3	45.8	79.6	170	156	115	110	140	1997
1998	134	105	77.2	44.6	144	123	70.0	22.1	12.2	47.3	132	109	84.9	108	1998
1999	104	77.6	55.0	65.4	115	202	168	101	40.6	49.8	162	97.5	103	132	1999
2000	42.0	38.6	26.2	74.5	109	131	83.6	39.8	30.0	71.2	55.0	56.3	63.2	81	2000
2001	66.5	32.3	46.4	65.2	94.8	97.5	59.1	51.0	27.9	51.0	183	66.1	70.1	90	2001
Avg.	80.9	70.4	64.0	69.0	114	117	74.2	38.1	33.0	76.5	113	89.2	78.3	m³/s	
S. D.	79.7	74.3	66.1	70.3	112	114	75.1	38.7	32.3	71.3	113	88.2	78.0	m³/s	
Normal	182	155	151	156	257	252	172	89	72	163	251	202	2100	mm	



Zone 29

ASH RIVER BELOW MORAN CREEK 08HB023

Location: 49°22'10"N, 124°58'58"W

378 km²

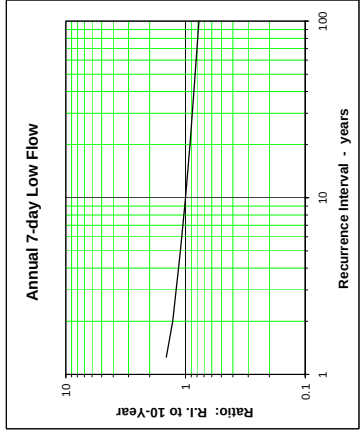
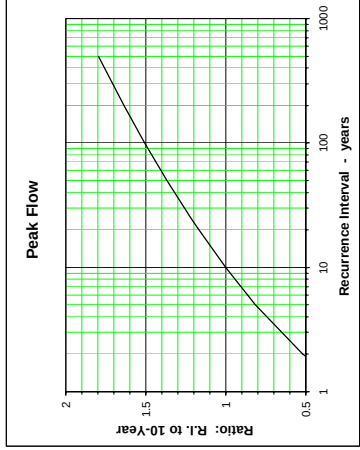
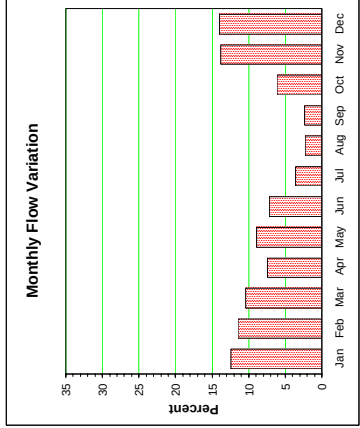
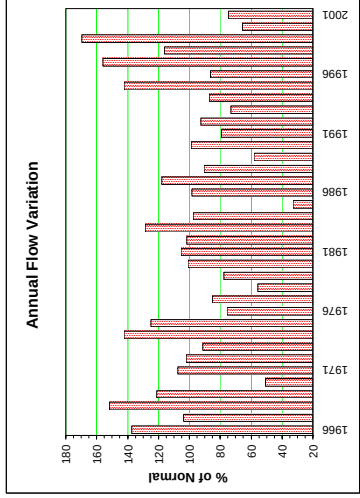
Median Elevation = 134 m

Drainage Area = Monthly and Annual Discharge in m³/s

7-Day Low Flow

Instantaneous Peak Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	28.8	17.6	24.1	22.7	19.5	17.3	7.37	3.61	4.12	8.88	35.0	82.7	22.7	Dec 18	278	3.31	3.31	1966
1967	26.8	18.3	13.9	4.95	17.0	24.0	3.96	3.70	3.94	38.8	20.9	29.8	17.2	Dec 24	112	3.31	3.20	1967
1968	85.5	27.5	32.0	6.01	17.8	7.04	3.92	4.21	4.41	40.5	40.5	25.7	25.1	Oct 29	487	3.44	3.37	1968
1969	5.60	15.5	17.1	24.3	58.4	40.0	4.27	3.94	28.3	6.95	28.5	28.3	20.0	May 29	104	3.28	3.28	1969
1970	9.06	11.2	11.1	14.4	8.29	6.64	3.71	3.63	3.82	7.08	9.45	12.5	8.38	Apr 10	70	3.37	3.12	1970
1971	14.3	22.1	15.0	14.9	38.3	27.9	12.6	5.79	5.11	8.02	44.8	5.84	17.8	Nov 09	405	3.78	3.72	1971
1972	7.42	14.4	40.2	20.6	30.5	24.8	11.7	3.73	5.11	3.72	10.8	29.4	16.9	Mar 18	225	3.49	3.49	1972
1973	39.4	11.9	10.8	3.58	25.7	11.0	4.13	3.61	3.86	8.64	12.8	44.3	15.1	Dec 16	183	3.52	3.06	1973
1974	37.5	19.4	39.7	29.1	28.3	41.1	20.8	5.37	4.35	4.27	16.6	35.0	23.5	Jan 16	326	3.95	3.95	1974
1975	7.90	6.22	13.6	8.91	9.12	20.8	4.29	5.45	4.03	32.1	106.0	30.0	20.6	Nov 04	580	3.60	3.58	1975
1976	18.2	15.5	14.0	11.7	21.8	20.2	12.7	4.16	4.03	5.16	8.39	15.8	12.5	Dec 26	101	3.65	3.11	1976
1977	6.8	25.9	16.3	15.0	6.99	8.59	3.97	3.75	4.04	12.4	35.1	31.2	14.1	Nov 14	138	3.31	3.31	1977
1978	15.2	19.4	22.3	8.62	5.18	4.45	3.86	4.92	6.86	4.41	8.79	7.04	9.19	Feb 08	91	3.39	3.39	1978
1979	3.6	16.3	14.9	6.29	16.8	4.41	3.76	3.61	7.68	19.7	9.49	12.9	12.9	Dec 18	219	3.20	2.33	1979
1980	14.9	26.4	16.7	19.8	6.85	4.60	4.01	3.68	4.22	3.93	30.4	65.0	16.7	Dec 27	358	3.43	2.76	1980
1981	29.8	31.2	6.05	13.1	8.34	4.42	4.30	3.81	5.87	19.4	57.3	27.3	17.4	Nov 01	278	3.38	3.38	1981
1982	9.0	21.6	12.2	9.31	20.3	30.3	6.82	3.64	3.65	35.5	14.9	34.3	16.8	Oct 26	210	3.27	3.27	1982
1983	52.6	62.2	32.8	10.0	13.6	8.89	6.95	3.89	3.77	5.36	51.5	6.99	21.2	Nov 15	265	3.45	3.45	1983
1984	23.5	30.5	23.1	15.0	16.7	11.0	4.39	3.60	3.89	24.7	25.9	11.5	16.1	Feb 20	129	3.24	3.05	1984
1985	5.14	6.55	6.55	8.01	5.43	3.90	3.76	3.63	3.47	8.21	4.67	6.03	5.44	Oct 22	41	3.23	2.64	1985
1986	33.9	24.6	36.0	5.13	21.6	7.17	3.29	3.44	3.17	3.65	12.5	40.2	16.3	Mar 27	230	2.89	2.89	1986
1987	42.5	42.4	42.6	13.7	22.7	17.6	4.16	3.22	2.81	2.92	11.2	28.1	19.5	Mar 05	294	2.66	2.66	1987
1988	14.6	14.2	15.4	27.8	29.1	15.3	3.81	3.16	3.16	3.58	34.1	15.8	14.9	Nov 22	118	2.87	2.87	1988
1989	9.43	6.82	10.4	22.8	12.2	5.14	3.20	3.13	3.00	8.33	9.43	21.2	9.61	Dec 04	156	2.52	2.52	1989
1990	16.6	12.0	11.1	13.4	4.86	13.0	3.35	3.55	3.61	11.3	72.2	31.4	16.3	Nov 23	277	2.73	2.73	1990
1991	11.6	58.6	4.9	6.62	3.72	3.64	3.52	7.76	4.02	3.39	16.0	36.8	13.1	Feb 05	243	3.40	2.98	1991
1992	67.8	46.0	10.3	6.73	5.88	3.90	3.77	3.85	3.64	9.32	15.7	8.0	15.3	Jan 30	276	3.23	3.13	1992
1993	7.63	10.7	24.2	27.7	27.6	9.31	3.41	3.60	3.45	3.47	4.74	18.6	12.1	Mar 23	142	3.17	1.90	1993
1994	25.7	16.5	38.2	17.4	5.65	4.11	3.67	3.71	3.78	5.80	13.3	34.9	14.4	Mar 02	322	3.26	3.09	1994
1995	41.0	40.1	28.5	11.3	18.8	8.53	4.12	4.34	3.68	8.32	63.3	51.3	23.5	Nov 18	391	4.24	3.72	1995
1996	34.7	27.5	14.3	36.1	7.88	6.41	6.60	4.55	4.79	10.6	9.20	9.78	14.3	Feb 19	138	4.24	3.73	1996
1997	22.3	11.8	26.0	29.1	37.9	24.8	12.0	5.58	16.0	52.2	40.1	30.3	25.8	Oct 02	228	3.83	3.83	1997
1998	60.6	42.2	20.1	5.41	10.9	11.6	6.41	4.08	3.95	6.01	26.9	33.2	19.2	Jan 24	270	3.80	3.80	1998
1999	29.1	28.7	18.9	19.1	36.7	51.0	34.2	11.5	6.88	16.4	49.6	15.8	28.1	Nov 09	158	4.21	4.21	1999
2000	15.3	14.9	12.5	7.72	15.0	17.2	5.00	4.46	4.58	12.4	9.16	12.2	10.9	Oct 20	630	4.17	4.17	2000
2001	18.4	8.10	9.05	8.57	13.3	6.96	6.06	10.6	4.69	6.54	36.1	19.6	12.4	Nov 21	221	4.26	4.26	2001
Avg.	24.8	22.9	19.6	14.6	18.0	14.6	6.61	4.51	4.70	13.0	27.6	27.9	16.5		226	3.42	3.24	m ³ /s
S. D.													5.13		121	0.422	0.523	m ³ /s
Normal	23.9	24.2	19.9	14.8	17.1	14.2	6.95	4.42	4.68	11.8	27.5	26.8	16.3		395	2.89	2.55	m ³ /s
Normal	169	156	141	101	121	97.2	49.3	31.3	32.1	83.4	189	190	1360	10-Year				



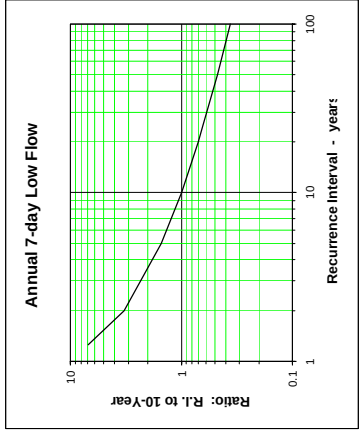
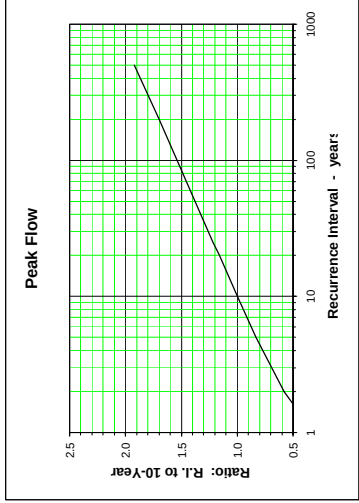
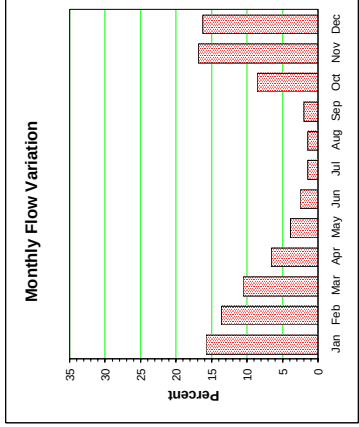
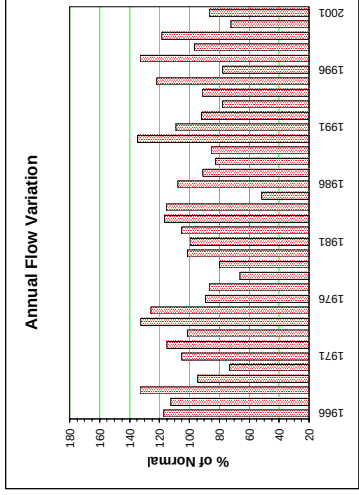
CARNATION CREEK AT THE MOUTH 08HB048

Location: 48°54'56"N, 124°59'52"W

Monthly and Annual Discharge in m^3/s Drainage Area = 10.3 km^2 Median Elevation = 246 m

Instantaneous Peak Flow 7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year
1966													0.98	Dec 25	26	1966
1967													0.94	Dec 15	19.3	1967
1968													1.11	Nov 11	22.3	1968
1969													0.79	Nov 15	31.4	1969
1970													0.61	Nov 25	16.0	1970
1971													0.88	Nov 17	34.8	1971
1972													0.96	Feb 12	43.9	1972
1973	2.03	0.737	0.974	0.293	0.503	0.464	0.069	0.025	0.031	0.861	1.62	2.34	0.96	Nov 07	0.013	1973
1974	2.10	2.09	2.410	1.11	0.731	0.369	0.267	0.077	0.088	0.262	1.89	1.97	1.11	Nov 11	0.057	1974
1975	1.22	0.710	0.905	0.430	0.506	0.227	0.106	0.616	0.143	2.31	3.14	2.24	1.05	Nov 15	0.091	1975
1976	1.68	1.51	1.24	0.548	0.495	0.298	0.191	0.170	0.236	0.491	1.80	1.50	0.746	Nov 27	0.045	1976
1977	0.730	1.56	1.16	0.460	0.365	0.169	0.109	0.122	0.189	0.886	1.80	1.22	0.726	Feb 12	0.035	1977
1978	0.717	0.737	0.826	0.494	0.277	0.198	0.056	0.591	0.841	0.328	0.716	0.870	0.553	Nov 07	0.037	1978
1979	0.233	1.86	0.900	0.341	0.221	0.090	0.252	0.040	0.577	0.744	0.469	2.38	0.669	Dec 17	0.037	1979
1980	0.876	1.36	0.874	0.799	1.145	0.145	0.287	0.082	0.508	0.224	2.28	2.61	0.845	Dec 26	0.069	1980
1981	0.580	1.38	0.426	1.45	0.399	0.589	0.114	0.074	0.519	1.54	1.55	1.46	0.834	Oct 30	0.060	1981
1982	1.98	1.89	0.688	0.776	0.197	0.043	0.053	0.019	0.072	1.83	1.11	1.94	0.879	Jan 23	0.006	1982
1983	2.50	2.67	1.28	0.330	0.196	0.201	0.615	0.036	0.079	0.459	2.80	0.680	0.975	Feb 11	0.016	1983
1984	2.35	1.57	0.952	0.903	0.903	0.153	0.178	0.032	0.288	1.81	1.61	0.852	0.966	Jan 03	0.024	1984
1985	0.184	0.704	0.576	0.774	0.300	0.100	0.013	0.010	0.154	1.32	0.566	0.492	0.431	Nov 01	0.004	1985
1986	1.88	2.03	1.41	0.654	0.948	0.259	0.193	0.024	0.083	0.246	1.34	1.80	0.900	Feb 23	0.015	1986
1987	2.05	1.18	1.43	0.738	0.621	0.442	0.045	0.014	0.010	0.035	1.09	1.50	0.762	Nov 24	0.009	1987
1988	0.905	0.961	0.985	0.957	0.586	0.279	0.050	0.036	0.153	0.387	2.01	1.00	0.689	Nov 05	0.018	1988
1989	1.58	0.517	1.01	0.851	0.062	0.043	0.205	0.069	0.028	0.908	2.39	0.914	0.715	Nov 09	0.022	1989
1990	1.81	2.15	0.807	0.223	0.164	0.772	0.091	0.036	0.030	1.60	4.04	1.91	1.13	Nov 10	0.020	1990
1991	1.44	3.04	0.386	0.658	0.213	0.062	0.063	1.34	0.090	0.025	1.98	1.83	0.912	Feb 04	0.029	1991
1992	3.36	1.27	0.779	0.880	0.104	0.028	0.028	0.068	0.218	1.05	1.22	0.715	0.769	Jan 29	0.014	1992
1993	1.37	0.18	1.31	1.26	0.637	0.405	0.046	0.043	0.010	0.142	1.78	1.78	0.649	Jan 24	0.007	1993
1994	1.36	1.80	1.37	0.308	0.075	0.339	0.075	0.007	0.055	0.458	1.44	1.95	0.763	Dec 19	0.004	1994
1995	1.61	1.70	1.34	0.466	0.082	0.097	0.045	0.069	0.032	1.11	4.02	1.72	1.02	Nov 28	0.013	1995
1996	1.54	1.19	0.460	1.12	0.317	0.093	0.021	0.012	0.154	1.03	0.939	0.951	0.650	Nov 08	0.004	1996
1997	2.37	0.855	2.03	0.775	0.515	0.628	0.417	0.221	0.657	1.64	1.43	1.77	1.11	Jan 30	0.068	1997
1998	2.18	1.56	0.505	0.070	0.128	0.044	0.085	0.020	0.022	0.330	2.36	2.43	0.807	Nov 15	0.015	1998
1999	1.73	2.86	1.39	0.527	0.403	0.267	0.083	0.047	0.045	0.615	2.34	1.74	0.991	Nov 09	0.020	1999
2000	0.976	1.06	1.00	0.433	0.643	0.343	0.111	0.034	0.206	0.906	0.494	1.05	0.605	Oct 17	0.012	2000
2001	1.08	0.436	0.742	0.699	0.441	0.171	0.055	0.415	0.198	0.705	1.67	2.06	0.725	Jan 04	0.038	2001
Avg.	1.53	1.43	1.02	0.666	0.385	0.254	0.135	0.150	0.197	0.836	1.71	1.61	0.836		0.027	m^3/s
S. D.													0.173		0.023	m^3/s
Normal	1.55	1.47	1.03	0.665	0.383	0.257	0.138	0.141	0.197	0.841	1.71	1.59	0.831		0.006	m^3/s
Normal	403	348	269	167	100	64.6	35.9	36.5	49.6	219	429	414	2550		50.7	m^3/s



COWICHAN RIVER AT LAKE COWICHAN 08HA002

Location: 48°49'34"N, 124°03'07"W

Drainage Area = 596 km² Median Elevation = 510 m

7-Day Low Flow

Instantaneous Peak Flow

Monthly and Annual Discharge in m ³ /s											
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
1966	104	72.4	62.6	65.7	31.8	18.3	15.3	7.54	8.99	16.9	52.2
1967	116	102	71.1	48.1	36.2	17.4	7.94	7.47	6.33	61.1	80.3
1968	155	111	86.5	50.9	22.6	14.2	13.2	18.0	10.2	33.1	85.8
1969	55.2	36.9	51.4	91.5	70.9	34.6	10.7	8.06	16.3	69.7	40.3
1970	60.4	64.7	48.3	56.1	17.0	8.7	6.94	5.98	8.27	16.7	44.6
1971	83.1	107	66.5	64.5	34.9	33.4	18.5	14.0	14.0	23.2	80.1
1972	54.5	74.4	138	72.2	38.9	16.2	19.7	7.66	10.7	9.74	30.7
1973	126	57.8	53.1	21.3	22.1	22.2	9.77	8.23	7.30	13.0	60.5
1974	125	110	94.4	90.9	49.1	44.4	23.5	9.31	8.95	8.05	22.2
1975	70.5	43.6	58.1	39.6	49.6	21.9	11.6	8.80	17.6	60.6	17.4
1976	88.0	75.3	52.6	58.4	54.7	31.2	16.0	10.3	14.0	11.5	25.0
1977	46.2	50.5	65.3	46.8	20.9	14.4	7.38	7.53	9.45	19.1	93.2
1978	58.9	52.3	38.0	34.2	17.4	12.3	7.99	6.89	27.3	23.8	35.1
1979	23.6	55.4	91.7	34.0	22.5	8.2	6.54	7.25	18.0	38.8	74.1
1980	88.2	72.5	72.7	52.7	19.6	8.4	10.7	8.53	8.48	12.4	82.1
1981	90.5	76.8	45.3	51.8	37.5	19.8	15.7	7.50	10.4	11.1	111
1982	57.3	107	68.9	32.8	35.9	18.1	12.4	7.59	7.91	29.4	64.8
1983	103	137	102	39.0	14.5	9.0	26.0	8.57	12.6	10.6	124
1984	87.4	73.0	70.7	56.9	47.0	22.1	11.8	7.39	11.8	46.4	87.5
1985	28.0	24.5	26.9	44.5	34.2	8.6	5.90	4.83	6.50	25.2	51.7
1986	78.6	76.6	85.7	43.6	38.8	14.9	9.40	7.28	7.78	6.48	38.4
1987	110	91.4	83.8	37.9	23.5	19.6	9.15	6.69	6.39	14.9	14.9
1988	50.1	58.5	54.2	70.3	40.3	28.1	7.18	6.65	9.02	13.1	76.5
1989	67.6	48.5	49.5	63.8	26.4	7.3	7.45	7.25	7.24	13.5	58.1
1990	67.0	83.0	56.5	41.6	16.1	29.9	7.75	7.22	9.09	29.2	15.1
1991	69.0	128	44.2	31.8	17.6	8.3	7.18	11.7	33.2	15.9	53.0
1992	111	138	44.2	15.4	15.2	7.2	7.15	5.56	6.32	14.4	47.3
1993	34.1	47.6	51.6	58.7	43.5	19.7	7.67	6.94	8.45	8.73	15.5
1994	72.3	59.9	113	41.3	16.2	12.2	8.27	7.01	6.82	11.1	49.9
1995	96.9	117	88.0	34.0	14.1	6.76	6.74	7.17	7.17	25.7	117
1996	111	77.8	54.3	52.7	39.2	13.7	7.13	7.03	7.09	26.0	53.5
1997	113	73	98.1	79.2	64.9	30.6	33.3	8.64	19.0	80.1	75.8
1998	110	108	64.7	27.3	13.2	7.04	6.41	6.31	6.23	11.4	81.4
1999	107	121	91.0	52.7	50.7	48.2	21.4	9.83	8.17	16.1	89.1
2000	54.6	50.6	44.6	38.8	39.3	28.3	9.53	7.24	9.15	19.9	36.9
2001	60.8	43.0	19.8	36.7	41.6	17.9	9.7	6.4	8.7	17.4	76.1

Avg.

S. D.

Normal

m³/s

10-Year

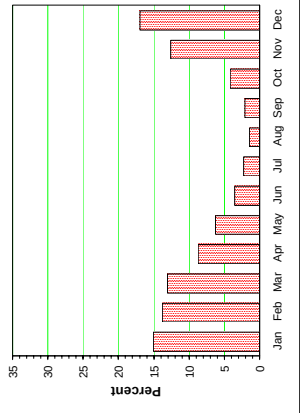
mm

m³/s

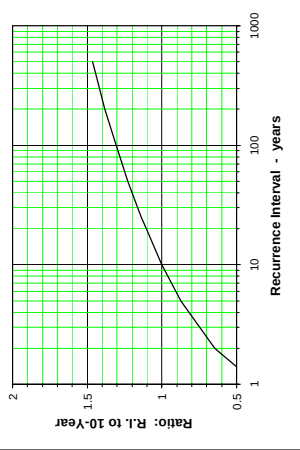
Annual Flow Variation



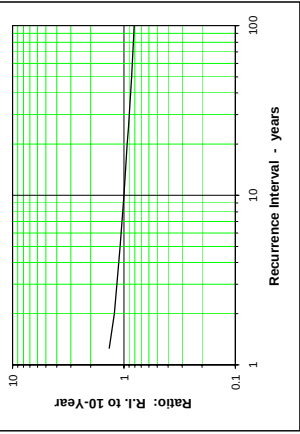
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



COWICHAN RIVER NEAR DUNCAN 08HA0011

Location: 48°46'22"N, 123°42'44"W

Drainage Area = 826 km² Median Elevation = 472 m

Monthly and Annual Discharge in m³/s

7-Day Low Flow

Instantaneous Peak Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	124	83.4	74.5	73.0	31.0	16.3	13.9	6.80	7.40	16.9	61.6	215	60.4	Dec 18	405	6.31	6.31	1966
1967	143	111	82.6	49.8	33.0	15.9	6.55	5.54	4.68	70.2	94.9	125	61.7	Jan 20	239	4.32	4.32	1967
1968	205	137	96.1	53.1	12.8	11.5	12.1	7.94	15.9	100	100	123	69.5	Jan 19	504	5.26	5.26	1968
1969	60.3	45.8	64.0	104	69.1	32.6	8.17	5.54	15.2	31.7	40.4	92.7	47.5	Dec 13	168	5.07	5.07	1969
1970	71.7	66.6	52.0	60.8	17.2	7.32	5.24	5.07	7.15	13.3	43.7	94.1	36.9	Dec 11	171	4.64	4.64	1970
1971	96.7	120	82.1	71.4	65.9	34.1	18.6	8.48	12.5	21.9	81.9	59.7	55.6	Feb 15	209	6.72	6.72	1971
1972	67.1	91.3	145	79.0	43.6	16.3	19.2	6.63	9.96	9.13	35.7	124	53.9	Dec 26	476	6.14	6.14	1972
1973	162	64.1	56.5	20.7	20.0	20.1	7.96	5.82	4.95	11.6	79.5	185	53.3	Dec 16	377	4.58	4.57	1973
1974	163	137	117	99.1	51.4	45.4	24.3	7.94	7.30	6.51	52.0	126	69.4	Jan 15	384	6.77	3.71	1974
1975	83.3	51.2	69.4	44.0	52.1	20.7	10.8	8.99	12.5	76.0	21.3	152	66.6	Nov 15	396	6.92	6.92	1975
1976	124	96.1	68.2	69.6	61.6	32.8	14.9	8.82	12.6	9.83	24.8	51.3	47.8	Jan 15	185	5.41	5.41	1976
1977	153	107	103	50.5	45.3	16.5	8.37	5.33	5.80	42.7	40.7	93.8	52.9	Dec 20	447	3.87	3.68	1986
1987	135	109	100	43.6	24.2	18.9	7.70	4.95	4.84	16.7	16.7	101	47.3	Dec 09	224	4.01	3.97	1987
1988	63.2	69.2	64.6	81.5	39.7	27.2	5.59	4.83	7.30	11.2	99.4	83.2	46.1	Jan 14	184	4.53	4.53	1988
1989	83.8	56.2	64.1	74.2	26.6	6.35	5.97	5.49	5.73	12.2	60.3	82.3	40.2	Dec 04	207	5.24	4.37	1989
1990	83.3	105	67.5	45.3	16.7	30.3	6.48	5.39	7.22	28.6	173.0	152	59.7	Dec 04	371	5.25	5.25	1990
1991	82.5	146	48.2	39.1	17.5	7.27	5.33	9.72	31.9	14.2	61.6	96.1	45.9	Feb 05	265	4.77	4.77	1991
1992	139	156	49.8	17.8	15.9	7.19	7.00	4.32	5.53	13.8	52.6	48.8	42.8	Jan 30	345	4.00	4.00	1992
1993	39.1	48.5	58.1	57.7	43.7	18.9	7.33	5.47	6.42	7.04	11.7	97.9	33.5	Dec 10	206	5.09	5.09	1993
1994	87.3	77.4	136	49.7	16.1	11.0	6.87	5.41	5.33	9.69	48.8	119	47.7	Mar 02	274	5.04	5.04	1994
1995	128	157	118	43.4	13.1	5.33	5.28	5.68	5.89	28.5	158	193	71.3	Nov 29	316	4.87	4.87	1995
1996	134	95.0	62.5	62.0	41.3	11.3	5.32	5.05	4.96	27.6	67.5	91.9	50.6	Jan 15	271	4.72	4.72	1996
1997	157	90.4	130	92.7	72.8	32.5	35.4	8.87	19.9	96.5	97.5	116	79.2	Mar 19	401	7.59	7.59	1997
1998	146	128	69.6	26.4	11.7	5.37	4.73	4.37	4.15	10	110	172	57.3	Dec 13	367	4.02	4.02	1998
1999	147	155	107	59.1	57.0	51.7	21.3	8.36	6.50	16.1	105	132	71.7	Jan 29	354	6.24	6.24	1999
2000	64.8	59.4	55.3	43.0	41.4	29.0	8.17	5.67	7.58	21.3	40.7	63.7	36.6	Feb 01	112	5.39	5.39	2000
2001	70.7	49.3	24.6	38.2	40.7	17.8	8.90	5.00	7.01	19.3	88.5	135	42.0	Dec 16	343	4.26	4.26	2001

S. D.

Normal

Normal

m³/s

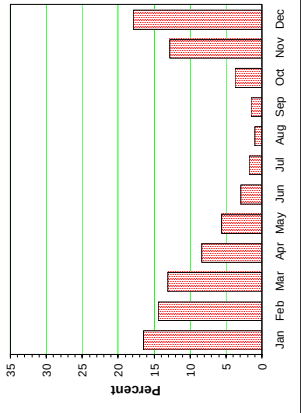
mm

10-Year

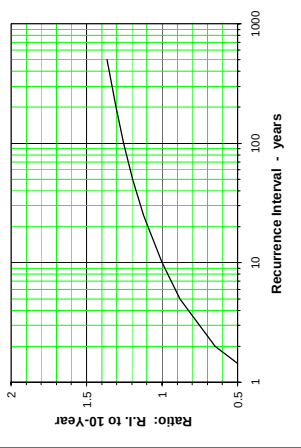
Annual Flow Variation



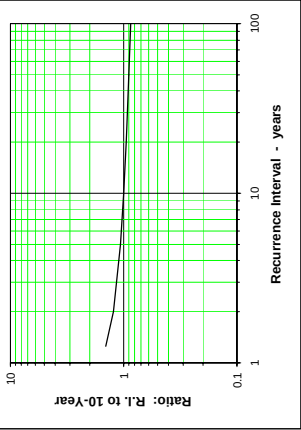
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



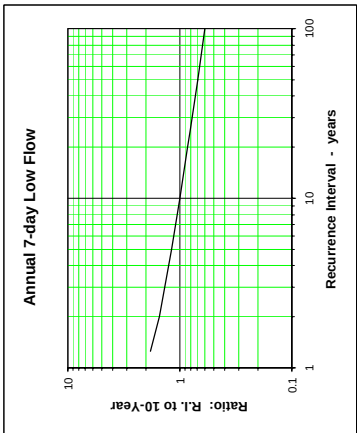
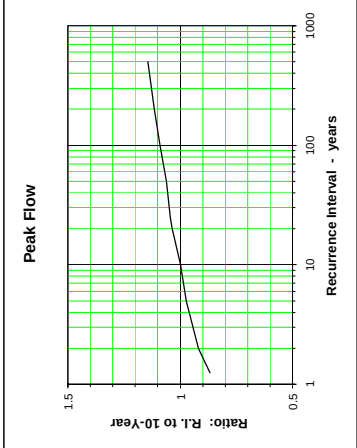
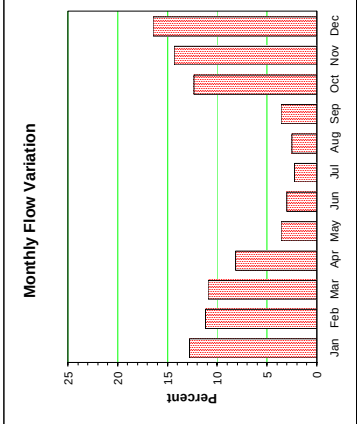
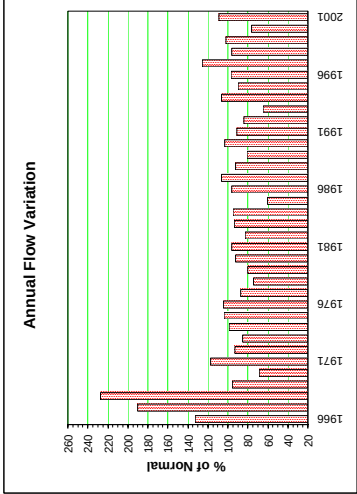
SAN JOSEF RIVER BELOW SHARP CREEK 08HF006

Location: 50°40'11"N, 128°09'51"W

Monthly and Annual Discharge in m³/s 63.7 km² Median Elevation = 150 m

Instantaneous Peak Flow 7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966													11					1966
1967													15					1967
1968													18					1968
1969													7.7					1969
1970													5.5					1970
1971													9.4					1971
1972													7.4					1972
1973													6.8					1973
1974													7.9					1974
1975													8.3					1975
1976													8.4					1976
1977													7.0					1977
1978													6.0					1978
1979													6.4					1979
1980													7.4					1980
1981													7.7					1981
1982													6.6					1982
1983													7.5					1983
1984													7.6					1984
1985													4.9					1985
1986													7.7					1986
1987													8.5					1987
1988													7.4					1988
1989													6.5					1989
1990					1.77	1.77	0.937	0.570	0.414				8.3		0.357	0.357	0.357	1990
1991													7.3					1991
1992													6.7					1992
1993		8.0	8.0	11	4.98	1.82	0.892	0.949	0.723	1.89	8.52	10.0	5.22	Feb 28	107	0.598	0.573	1993
1994		10.9	10.0	11.2	2.85	3.22	1.52	2.31	7.87	11.8	18.7	16.9	8.54	Nov 08	102	0.855	0.855	1994
1995		6.9	10.3	7.18	1.00	0.914	1.01	3.14	0.773	18.1	19.1	11.8	7.18			0.539	0.539	1995
1996		16.7	8.47	8.28	4.02	4.61	1.29	1.64	3.73	11.6	7.60	12.9	7.76	Jan 10	114	0.534	0.534	1996
1997		12.6	10.6	11.8	4.90	5.95	4.60	2.42	4.11	18.4	12.7	24.2	10.0	Dec 11	101	0.801	0.801	1997
1998		15.5	11.1	6.41	1.67	1.43	3.12	1.88	2.61	9.54	11.7	20.4	7.71	Apr 26	96.8	0.799	0.799	1998
1999		11.2	19.7	10.7	7.80	2.94	1.53	4.11	3.92	5.19	16.6	11.9	8.17	Feb 11	93.9	0.765	0.765	1999
2000		7.66	7.63	9.93	6.23	4.18	2.76	2.71	4.97	9.95	8.63	7.15	6.11	Nov 25	99.4	0.746	0.746	2000
2001		9.60	4.54	8.70	7.43	7.01	2.35	6.62	7.40	13.0	20.6	16.2	8.74	Nov 08	111	0.766	0.766	2001
Avg.	11.0	10.0	9.47	7.39	3.53	2.72	1.88	2.64	3.65	11.1	13.8	14.6	8.02		103	0.676	0.674	m ³ /s
S. D.													2.48			0.160	0.162	m ³ /s
Normal	11.2	10.7	9.56	7.38	3.15	2.76	1.96	2.19	3.24	10.8	12.9	14.4	7.42		6.97	0.455	0.452	m ³ /s
Normal	470	411	402	300	132	112	83	92	132	454	527	606	3680	10-Year	112	0.455	0.452	m ³ /s



SARITA RIVER NEAR BAIMFIELD 08HB014

Location: 48°53'34"N, 124°57'54"W

Monthly and Annual Discharge in m³/s

Drainage Area = 162 km²

Median Elevation = 397 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Year	
1966	52.7	20.0	31.3	9.67	5.26	5.89	3.46	2.15	5.55	24.2	39.7	60.9	21.8	Nov 28	384	1.120	1966
1967	35.8	24.4	28.9	9.80	6.06	2.29	1.05	0.588	4.15	69.2	23.4	47.8	21.2	Dec 09	354	0.458	1967
1968	64.8	34.3	33.4	14.3	6.30	4.85	3.93	6.08	10.6	38.3	38.0	36.9	24.3	Jan 13	508	1.530	1968
1969	12.9	19.5	20.0	26.7	15.0	4.09	1.39	3.34	27.5	17.4	30.4	41.6	18.3	Dec 22	451	0.482	1969
1970	23.0	15.0	16.5	22.2	4.16	1.01	0.907	1.29	5.41	17.8	32.9	38.5	14.9	Dec 07	266	0.831	1970
1971	31.1	29.3	30.4	17.2	13.2	9.87	3.41	2.68	5.48	29.8	57.5	11.3	20.0	Nov 08	407	1.200	1971
1972	33.2	41.7	41.4	27.2	6.38	1.45	1.11	1.09	4.65	29.5	29.1	57.8	21.5	Dec 25	403	0.824	1972
1973	58.7	28.4	22.0	7.29	11.1	14.6	1.56	0.570	0.850	23.2	34.0	61.8	21.9	Jan 15	464		1973
1974	48.4	46.2	52.7	23.1	15.7	8.54	6.54	2.81	3.03	9.13	42.1	43.8	24.9	Jan 15			1974
1975	28.5	18.2	22.2	9.74	11.2	5.76	3.38	13.4	4.11	50.6	67.5	49.2	23.7				1975
1976	40.8	34.6	28.2	16.6	13.6	7.26	6.25	4.00	4.98	12.2	15.7	29.2	17.8	Dec 08	188	1.350	1976
1977	13.3	31.5	26.6	13.5	10.6	6.33	1.81	2.59	5.78	25.5	42.2	29.9	17.4	Nov 14	317	0.825	1977
1978	20.3	18.2	22.0	12.2	8.18	4.43	1.13	11.3	21.4	9.01	14.0	20.6	13.5	Nov 07	269	0.881	1978
1979	6.59	49.9	21.9	13.3	11.5	6.64	10.2	1.94	12.9	19.2	11.9	58.7	18.5	Dec 17	380	1.750	1979
1980	18.0	33.1	17.3	20.5	3.64	2.60	6.33	1.18	8.71	6.70	48.8	51.4	18.1	Dec 26	486	1.060	1980
1981	12.5	31.1	8.21	22.6	5.37	7.72	1.95	0.844	7.63	35.0	44.3	45.2	18.4	Oct 31	440	0.659	1981
1982	40.8	48.7	17.4	20.5	7.71	2.15	1.79	0.984	2.24	48.2	28.2	48.4	22.1	Oct 24	335	0.699	1982
1983	62.3	65.9	37.4	9.87	5.48	7.01	12.4	2.10	3.30	12.1	70.0	18.4	25.2	Feb 11	448	1.100	1983
1984	41.6	35.6	21.4	15.1	10.8	2.86	2.67	2.09	3.41	40.8	52.2	21.3	20.8	Jan 04	439	2.030	1984
1985	5.90	17.2	14.8	19.3	7.90	2.41	0.625	0.508	1.85	27.0	12.7	14.1	10.4	Oct 19	162	0.330	1985
1986	48.3	31.1	36.9	19.6	21.1	7.08	3.41	0.834	2.55	7.51	35.4	37.6	20.8	Feb 24	388	0.396	1986
1987	48.2	29.1	34.9	15.9	14.1	16.8	1.48	0.448	0.540	0.598	26.1	35.8	18.6	Nov 24	316	0.342	1987
1988	27.1	23.3	26.7	23.5	17.7	8.40	2.01	0.961	2.43	7.67	47.2	22.9	17.4	Jan 14	312	0.393	1988
1989	31.8	33.2	20.7	19.0	2.22	2.06	5.74	1.43	0.626	21.1	45.7	24.6	16.5	Nov 09	493	0.477	1989
1990	34.3	35.9	21.2	7.08	4.05	14.5	2.09	1.00	0.944	32.6	72.1	38.5	21.9	Nov 10	441	0.543	1990
1991	30.5	54.7	7.80	14.8	7.21	2.17	1.98	24.2	3.57	0.937	37.6	40.5	18.5	Nov 19	467	0.694	1991
1992	69.3	32.4	5.88	16.3	3.34	1.17	0.668	0.986	4.63	22.2	24.7	19.6	16.7	Jan 30	407	0.349	1992
1993	22.0	7.66	28.9	29.3	14.8	7.78	1.63	1.85	0.885	5.49	14.3	41.7	14.8	Jan 24	347	0.710	1993
1994	34.2	42.4	40.3	10.3	3.80	10.9	2.03	0.758	2.19	14.2	40.7	51.6	21.0	Dec 19	442	0.692	1994
1995	40.1	38.5	33.0	11.4	2.09	2.90	1.03	1.53	0.841	27.6	83.2	49.1	24.2	Nov 17	482	0.631	1995
1996	42.3	33.4	14.6	33.7	10.2	3.27	0.948	0.441	3.48	25.3	24.6	29.0	18.4	Jan 06	250	0.387	1996
1997	52.5	17.4	48.1	21.5	14.6	15.1	9.68	5.88	16.0	38.9	32.8	40.7	26.2	Mar 18	442	0.891	1997
1998	60.0	39.6	17.2	4.37	3.92	2.02	3.91	0.784	0.507	11.2	54.5	59.6	21.4	Jan 23	379	0.435	1998
1999	42.7	62.2	33.5	15.8	11.4	7.52	2.90	1.28	1.70	15.6	58.0	38.5	24.0	Jan 29	347	0.603	1999
2000	21.9	26.0	24.5	11.0	15.1	8.24	3.25	1.42	3.13	20.9	12.7	23.3	14.3	Oct 17	240	0.856	2000
2001	22.3	11.6	16.5	16.9	12.7	4.03	1.18	14.1	4.92	16.4	36.9	42.2	16.7	Dec 16	279	0.669	2001

Avg.

S. D.

Normal

Normal

m³/s

mm

10-Year

m³/s

mm

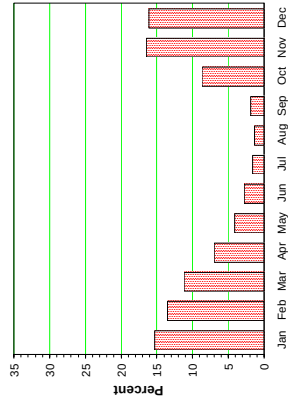
m³/s

mm

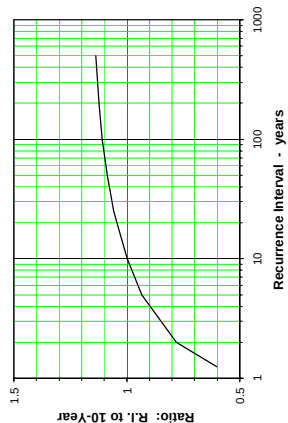
Annual Flow Variation



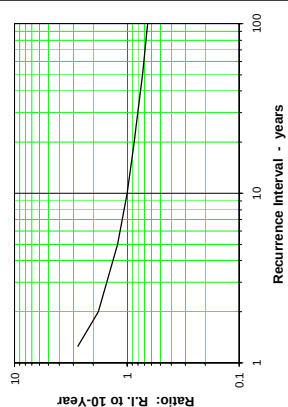
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



SOMASS RIVER NEAR ALBERNI 08HB017

Location: 49°17'07"N, 124°52'00"W

Monthly and Annual Discharge in m³/s

Drainage Area = 1280 km²

Median Elevation = 524 m

Instantaneous Peak Flow

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	209	151	133	160	106	118	83.5	46.4	71.1	112	217	352	147	Dec 19	690	42.2	42.2	1966
1967	195	145	95.7	70.6	120	132	60.3	40.5	38.9	286	172	193	129	Oct 11	550	37.7	37.7	1967
1968	401	193	120	109	88.8	191	64.5	42.5	208	225	273	208	160	Jan 20	1060	38.8	38.8	1968
1969	80.0	97.6	104	187	235	207	67.7	45.3	95.4	134	198	198	137			40.6	40.6	1969
1970	107	113	54.0	89.0	77.5	72.1	44.5	35.4	41.2	72.9	113	113	77.4			33.8	33.8	1970
1971	130	189	103	95.6	199	164	116	72.3	83.9	96.5	248	85.7	131	Nov 10	714	56.6	56.6	1971
1972	64.5	108	253	138	130	131	105	47.8	51.5	47.6	103	220	117	Mar 18	643	38.6	38.6	1972
1973	194	79.4	101	66.2	129	100	52.0	46.1	41.0	60.6	129	256	105			35.2	35.2	1973
1974	228	150	179	143	129	178	129	75.6	53.7	52.9	138	228	145	Jan 16	716	50.7	46.7	1974
1975	102	72.3	103	71.1	114	123	67.8	52.6	67.8	214	501	180	139	Nov 05	1020	31.3	31.3	1975
1976	146	118	85.4	102	140	127	103	57.9	53.0	45.6	119	139	103	Dec 27	311	45.6	32.1	1976
1977	99.0	125	131	108	87.5	83.7	36.3	31.1	52.1	115	253	207	110	Nov 14	504	29.3	29.3	1977
1978	131	138	129	89.4	80.6	70.0	45.3	63.8	121.0	77.2	94.6	75.0	286	Feb 08	286	33.2	33.2	1978
1979	48.5	113	151	82.4	126	66.1	76.8	42.6	114.0	122	115	285	112	Dec 19	702	39.3	39.3	1979
1980	143	162	144	131	88.3	68.6	62.4	42.6	47.1	59.9	223	336	126	Dec 27	981	41.2	41.2	1980
1981	237	203	81.4	102	83.8	62.3	46.5	33.0	53.4	157	329	204	132	Nov 01	773	30.0	30.0	1981
1982	92.3	174	112	81.6	118	112	73.7	50.7	44.9	217	172	226	127	Oct 26	829	40.6	40.4	1982
1983	286	354	220	97.7	101	106	86.5	49.5	53.4	327	327	90.2	153	Nov 15	780	40.1	40.1	1983
1984	172	180	160	116	117	98.1	67.0	37.9	49.3	225	174	120	126	Oct 09	612	32.6	32.6	1984
1985	43.7	56.2	49.5	99.2	87.1	62.4	31.7	26.7	26.6	80.1	68.7	60.5	24.5	Oct 22	266	24.5	24.5	1985
1986	258	159	214	83.5	143	102	47.3	28.4	28.7	35.7	138	247	124	Jan 19	658	27.0	27.0	1986
1987	284	270	224	106	124	133	55.4	27.4	27.5	26.9	127	200	133	Mar 05	758	22.3	22.3	1987
1988	120	123	108	151	160	123	64.1	38.7	28.8	40.5	247	133	111	Nov 05	513	26.6	26.6	1988
1989	98.6	81.3	97.6	135	91.9	69.3	50.5	25.4	22.0	82.8	125	149	87	Dec 04	455	17.9	17.9	1989
1990	131	122	91.4	88.2	62.0	85.9	39.4	29.1	31.1	97.1	382	225	115	Nov 12	802	26.2	26.2	1990
1991	110	322	51.9	67.3	72.7	42.5	30.4	86.0	78.4	36.6	169	221	106	Feb 04	795	26.1	26.1	1991
1992	336	312	79.1	81.6	49.7	30.3	26.8	24.1	23.3	104	149	90.9	108	Jan 30	875	22.7	21.7	1992
1993	79.8	110	156	156	167	89.1	36.1	32.6	28.0	30.5	53	188	93.8	Mar 23	530	25.2	24.2	1993
1994	179	137	235	114	67.8	75.2	37.4	26.6	32.6	61.0	162	265	116	Mar 02	838	25.6	25.6	1994
1995	228	276	189	98.8	113	88.8	51.1	34.6	26.0	129	345	312	157	Nov 18	989	24.0	24.0	1995
1996	223	190	128	209	100	54.9	27.9	21.7	39.8	97.5	118	112	110	Jan 15	456	20.6	20.6	1996
1997	216	133	194	186	203	173	111	51.8	98.9	258	229	217	173	Oct 02	650	24.5	24.5	1997
1998	314	296	147	72.0	90.3	72.7	44.8	32.5	25.5	72.2	225	233	134	Jan 24	764	23.3	23.0	1998
1999	200	201	149	130	159	190	148	89.3	55.3	69.7	298	217	158	Nov 09	613	49.1	46.7	1999
2000	102	116	110	100	134	127	69.4	51.4	35.8	113	91.4	134	98.6	Oct 20	329	29.8	25.0	2000
2001	156	80.9	57.6	100	120	73.8	46.6	58.7	51.6	71.2	284	157	105	Nov 21	738	29.0	29.0	2001

Avg.

S. D.

Normal

Normal

m³/s

mm

10-Year

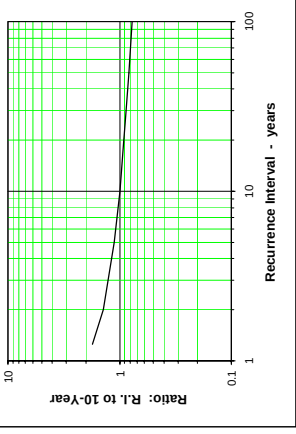
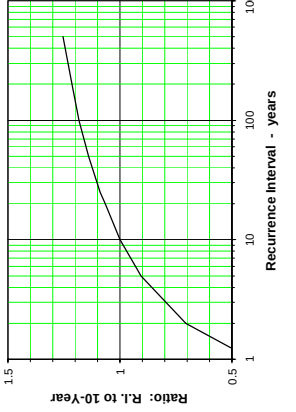
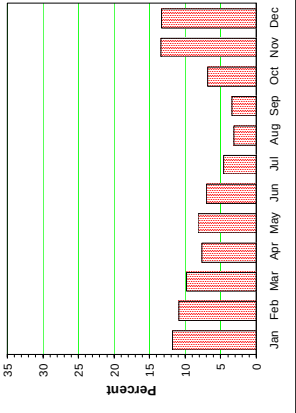
m³/s

Peak Flow

Monthly Flow Variation

Annual Flow Variation

Annual 7-day Low Flow



SPROAT RIVER NEAR ALBERNI 08HB008

Location: 49°17'23"N, 124°54'37"W

Monthly and Annual Discharge in m^3/s

Drainage Area = 347 km^2

Median Elevation = 430 m

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	71.3	58.0	50.5	48.9	28.6	25.9	19.9	7.91	11.6	27.4	67.8	156	48.0	Dec 19	285	4.94	4.94	1966
1967	67.2	51.5	41.1	28.5	27.1	32.5	13.5	3.52	4.89	82.2	57.8	61.1	39.1	Oct 13	158	2.56	2.56	1967
1968	128	61.6	63.8	29.6	26.0	22.7	13.9	5.17	6.56	65.6	93.0	73.6	49.6	Jan 20	374	3.69	3.69	1968
1969	28.6	28.0	35.4	65.1	66.1	59.7	18.3	5.17	21.7	33.1	55.9	65.6	40.2	May 29	108	3.13	3.13	1969
1970	37.6	40.8	34.1	39.3	22.4	16.1	6.34	3.34	3.57	18.4	43.1	44.6	25.7	Nov 12	70	2.54	2.54	1970
1971	46.4	65.2	39.7	38.7	55.5	42.7	32.1	17.2	23.5	29.0	77.1	31.0	41.3	Nov 10	163	12.1	12.1	1971
1972	19.9	37.0	90.0	51.4	35.2	31.5	25.3	8.02	8.13	7.31	36.4	59.9	34.2	Mar 19	174	4.04	4.04	1972
1973	90.1	38.7	63.5	20.2	32.5	35.9	16.4	5.15	3.27	16.0	47.5	101	37.6	Dec 16	188	2.93	2.93	1973
1974	80.4	58.6	42.7	66.7	40.5	46.7	36.1	15.8	7.21	6.13	48.9	80.7	45.8	Jan 17	217	5.91	5.26	1974
1975	35.4	18.2	36.2	23.5	37.4	34.6	16.1	10.8	19.2	64.2	17.0	59.2	43.7	Nov 15	299	6.15	6.15	1975
1976	51.0	46.7	33.0	34.7	39.2	35.3	28.9	12.5	8.66	8.2	33.6	44.8	31.3	Jan 01	82	6.82	5.26	1976
1977	35.0	49.6	47.3	33.4	28.2	23.5	5.90	1.05	6.78	31.7	88.3	69.0	34.8	Nov 02	144	0.400	0.400	1977
1978	45.6	45.7	43.2	31.2	19.6	15.1	4.41	7.38	33.1	20.6	26.7	20.8	26.0	Feb 09	72	0.472	0.472	1978
1979	11.6	40.2	61.9	26.4	32.4	14.1	16.4	3.90	31.6	29.7	39.7	86.8	32.9	Dec 21	177	1.95	1.95	1979
1980	53.3	51.4	53.3	41.3	25.0	11.8	12.2	2.48	3.39	13.7	74.5	105	37.3	Dec 27	376	1.51	1.51	1980
1981	79.7	66.9	31.9	37.1	27.3	16.5	9.75	3.20	10.3	48.4	104	73.1	42.1	Nov 01	166	2.01	2.01	1981
1982	31.0	60.1	41.7	26.7	33.7	38.5	19.1	6.54	4.61	60.7	66.0	75.3	38.5	Oct 26	245	4.37	4.05	1982
1983	87.3	117	79.8	34.3	22.4	24.3	21.6	7.99	5.54	13.5	105	35.9	45.7	Nov 17	209	4.90	3.68	1983
1984	57.6	58.5	58.7	46.1	38.6	28.6	15.7	5.72	4.67	73.4	58.5	43.5	40.8	Oct 10	174	4.22	4.22	1984
1985	14.0	16.6	16.6	35.5	28.0	17.8	5.11	1.65	1.27	20.9	29.2	26.1	17.7	Oct 23	62	1.16	1.15	1985
1986	88.8	55.1	66.4	36.9	38.2	33.2	11.2	2.60	1.53	3.24	42.9	85.7	38.8	Jan 19	190	1.44	1.23	1986
1987	97.5	90.8	80.3	35.8	34.6	38.6	11.0	2.47	1.52	1.41	39.2	77.1	42.3	Jan 12	184	1.38	1.25	1987
1988	39.5	45.9	36.7	47.0	45.6	37.8	13.8	4.36	1.78	6.2	79.3	44.3	33.4	Nov 06	121	1.46	1.46	1988
1989	34.8	25.2	32.5	49.1	29.8	16.9	12.7	3.34	1.41	17.9	46.3	51.0	26.7	Dec 04	103	1.24	1.14	1989
1990	46.0	44.5	29.3	29.1	18.8	23.3	6.99	2.76	2.10	27.0	120	79.0	35.9	Dec 04	215	1.69	1.79	1990
1991	38.0	114	20.8	23.1	21.9	8.95	4.94	21.5	26.4	5.12	52.8	68.8	33.3	Feb 05	308	3.92	3.92	1991
1992	109	120	33.5	23.1	18.7	5.26	2.71	2.00	2.58	27.1	56.1	33.1	35.8	Feb 03	302	1.58	1.58	1992
1993	19.9	41.3	53.3	52.6	50.8	26.2	6.86	3.04	1.86	2.91	15.7	75.1	29.1	Dec 14	207	1.03	0.771	1993
1994	68.9	47.5	80.7	34.0	18.1	21.3	8.55	1.90	2.68	10.2	50.8	90.8	36.3	Mar 02	205	0.814	0.814	1994
1995	75.6	91.1	66.4	33.5	24.0	19.9	14.3	3.55	1.63	34.1	122	113	49.2	Nov 18	273	1.02	1.02	1995
1996	77.3	58.7	44.2	61.7	37.8	14.3	5.07	1.22	1.83	27.7	42.7	42.7	34.4	Jan 15	125	0.514	0.514	1996
1997	73.7	49.3	62.7	60.9	60.8	54.9	36.9	11.0	74.4	80.0	74.4	78.5	55.6	Oct 04	142	5.78	5.78	1997
1998	100	105	53.3	22.2	21.1	15.4	9.67	3.24	0.676	14.7	74.3	88.2	42.0	Jan 29	225	0.469	0.465	1998
1999	68.4	72.0	52.6	46.5	42.1	54.0	39.4	22.6	11.5	12.8	98.4	79.2	49.7	Nov 11	167	8.58	7.18	1999
2000	31.4	37.3	39.0	33.0	44.3	35.9	16.0	9.9	5.61	33.5	33.5	45.9	30.4	Oct 21	96	4.93	4.91	2000
2001	52.7	28.7	24.0	34.6	41.0	21.6	8.45	15.4	15.6	22.2	101.6	65.0	35.9	Nov 21	247	3.13	3.13	2001

Avg.

S. D.

Normal

Normal

m^3/s

mm

10-Year

m^3/s

mm

0.733

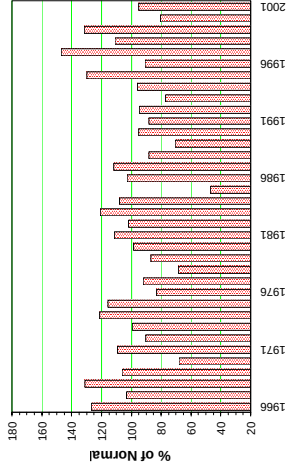
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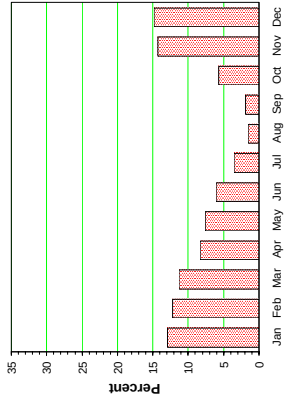
m^3/s

m^3/s

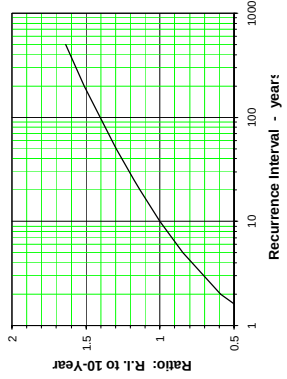
Annual Flow Variation



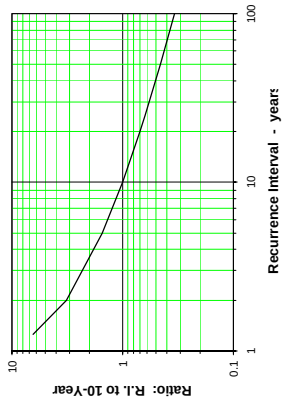
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



STAMP RIVER NEAR GREAT CENTRAL 08HB009

Location: 49°20'23"N, 124°58'31"W

Monthly and Annual Discharge in m³/s

Drainage Area = 456 km²

Median Elevation = 536 m

7-Day Low Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	84.9	63.6	42.0	74.2	54.4	71.2	48.9	33.1	51.8	70.0	101	182	73.2	Dec 19	311	31.2	31.2	1966
1967	86.0	67.3	32.9	31.5	73.6	74.7	37.9	30.1	29.0	147	84.4	83.8	64.9	Oct 08	292	28.7	23.8	1967
1968	157	81.5	83.5	30.3	62.0	53.9	40.1	30.9	38.5	118	118	94.8	75.8	Jan 21	360	28.3	22.0	1968
1969	44.1	44.7	39.6	81.5	116	106	41.6	32.8	60.7	71.0	86.5	87.5	67.7	May 29	183	30.5	27.1	1969
1970	51.4	61.1	26.6	53.5	53.4	50.0	34.5	29.3	33.6	50.2	61.6	51.4	46.2	Apr 05	177	28.3	18.0	1970
1971	63.0	89.5	47.6	46.3	102	94.2	70.4	44.6	57.2	57.3	114	41.9	68.7	Nov 10	224	34.6	31.8	1971
1972	32.3	47.1	110	61.4	72.2	74.0	65.3	31.6	31.8	35.2	63.6	83.8	59.1	Mar 19	227	24.3	24.0	1972
1973	103	47.5	51.2	39.2	73.3	61.5	40.4	34.7	33.6	36.6	71.5	115	59.3	Dec 16	206	30.7	30.7	1973
1974	98.5	85	160	85.5	80.5	97.1	80.3	53.1	39.1	35.7	68.3	106	82.2	Jan 16	261	37.1	29.0	1974
1975	54.1	42.3	42.9	24.7	70.3	75.2	43.6	36.7	47.6	108	203	84.6	70.3	Nov 05	408	19.8	19.8	1975
1976	74.9	46.9	30.5	52.6	81.6	73.4	62.1	38.3	36.0	31.8	76.8	80.5	57.1	Jan 01	147	31.0	23.2	1976
1977	55.4	46.4	61.0	58.5	50.6	51.2	24.1	24.2	36.7	67.4	115	93.1	57.0	Nov 01	225	22.9	22.3	1977
1978	60.3	63.4	54.8	41.1	49.6	43.1	30.7	47.4	73.5	45.7	55.7	38.7	50.2	Aug 26	234	24.3	24.3	1978
1979	26.4	42.0	62.7	39.8	71.1	38.8	49.0	27.0	68.9	60.9	55.2	119	55.2	Dec 19	257	25.6	23.7	1979
1980	62.3	65.6	58.9	60.0	46.1	42.3	26.9	30.1	33.6	35.9	106	136	59.6	Dec 27	327	28.2	28.2	1980
1981	107	86.6	35.4	46.1	43.9	37.4	25.9	22.4	34.4	86.1	139	81.2	62.0	Nov 01	249	19.9	19.9	1981
1982	43.0	74.5	45.6	36.3	60.7	84.4	43.8	32.4	27.6	105	80.4	95.8	60.7	Oct 26	354	24.4	24.4	1982
1983	119	132	86.0	44.8	58.8	67.1	52.0	29.5	35.2	53.5	143	37.4	71.0	Nov 17	256	22.5	22.5	1983
1984	79.9	79.0	71.2	55.9	60.2	57.0	44.6	27.2	36.9	114	80.5	53.0	63.3	Oct 10	319	22.2	22.2	1984
1985	23.6	29.7	24.2	51.1	51.7	40.7	23.5	20.3	20.6	62.8	42.6	33.6	35.4	Oct 22	167	17.7	17.3	1985
1986	112	65.7	90.1	36.1	75.3	55.2	32.7	20.3	21.3	26.0	75.4	99.6	59.2	May 26	273	18.0	18.0	1986
1987	108	108	89.4	53.6	68.1	79.0	40.3	22.6	22.8	22.0	80.2	85.7	64.7	Mar 06	276	18.1	18.1	1987
1988	57.0	59.7	47.0	68.8	82.3	66.5	45.3	31.6	23.3	31.0	121	66.1	58.2	Mar 05	220	21.5	18.6	1988
1989	48.1	40.4	41.2	75.5	50.4	49.3	36.4	19.5	18.0	59.1	76.0	73.9	49.0	Dec 04	161	13.5	13.5	1989
1990	65.1	55.7	42.2	47.0	39.7	52.6	28.3	25.1	25.2	59.0	171	92.4	58.5	Nov 12	328	22.4	21.3	1990
1991	52.2	135.0	19.7	30.5	47.6	28.5	20.0	57.2	44.0	24.6	89.4	94.1	53.0	Aug 30	306	15.8	13.3	1991
1992	130	130	39.5	55.2	28.8	25.4	21.7	18.5	16.6	66.1	74.2	47.5	54.2	Feb 03	327	16.0	14.8	1992
1993	42.5	54.2	65.8	64.5	83.7	48.2	23.7	25.2	22.7	22.8	30.6	89.0	47.8	Mar 23	167	20.5	17.4	1993
1994	81.8	59.9	86.1	54.2	40.2	47.4	25.2	19.6	19.6	37.2	73.9	113	54.8	Mar 02	281	17.6	17.1	1994
1995	90.8	115	78.2	46.7	64.7	56.1	35.0	25.8	19.7	85.0	151	122	73.9	Nov 18	344	17.8	17.8	1995
1996	93.0	85.2	59.4	92.8	48.3	32.5	17.7	16.3	34.4	57.2	67.6	54.1	54.7	Feb 21	184	14.8	14.8	1996
1997	93.7	59.0	73.3	75.5	94.0	87.5	57.0	33.1	53.2	113	99.8	88.3	77.4	Oct 02	290	15.8	15.8	1997
1998	120	119	58.5	33.5	54.8	41.2	26.0	23.4	20.4	49.9	106	90.3	61.6	Jan 26	260	18.1	17.6	1998
1999	85.9	73.6	61.4	65.3	75.7	82.4	73.9	50.4	35.4	42.3	133	79.5	71.5	Nov 10	267	29.6	29.2	1999
2000	37.7												50					2000
2001													53					2001

Avg.

S. D.

Normal

Normal

m³/s

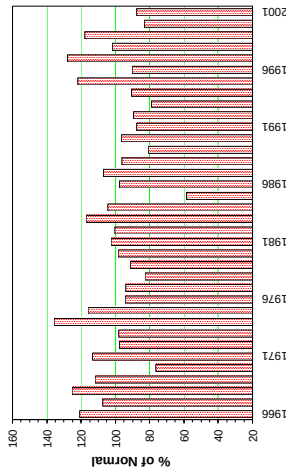
mm

10-Year

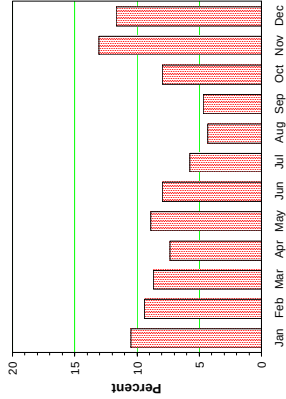
m³/s

m³/s

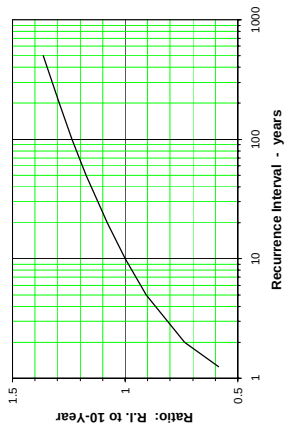
Annual Flow Variation



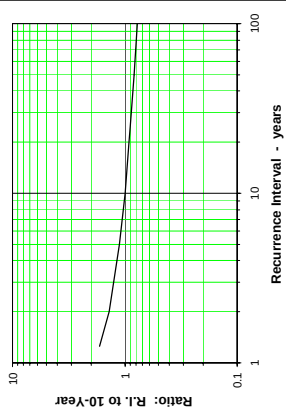
Monthly Flow Variation



Peak Flow



Annual 7-day Low Flow



ZEBALLOS RIVER NEAR ZEBALLOS 08HE006

Location: 50°00'52"N, 126°50'33"W

Drainage Area = 181 km²

Median Elevation = 710 m

7-Day Low Flow

Instantaneous Peak Flow

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Date	Annual	Jun-Sep	Annual	Year
1966	53.3	30.9	42.5	26.4	21.2	24.6	14.9	12.4	48.6	43.4	26.2	91.8	36.4	Mar 29	909	9.50	9.50	1966
1967	139	77.4	43.1	20.8	26.2	23.2	17.4	7.72	70.4	115	33.0	74.5	54.0	Feb 02	1030	5.48	5.48	1967
1968	109	41.6	32.6	27.2	19.6	19.4	19.9	9.62	51.4	140	140	68.6	65.5	Oct 24	1070	6.13	6.13	1968
1969	14.7	13.1	24.3	34.2	33.4	25.9	10.7	15.3	25.8	18.5	50.6	34.1	25.0	Nov 19	512	5.39	5.39	1969
1970	19.6	20.0	19.1	19.4	28.1	13.3	9.14	8.98	13.8	15.1	16.1	17.8	16.7	Dec 30	391	4.79	4.79	1970
1971	58.4	44.4	16.5	19.2	25.5	28.2	17.1	20.6	30.2	43.5	66.4	12.0	31.7	Nov 09	634	8.43	7.31	1971
1972	11.2	24.9	46.4	28.0	31.0	30.3	21.4	8.10	13.4	7.75	25.2	24.2	24.2	Dec 19	521	4.73	4.73	1972
1973	46.3	18.5	13.6	15.6	22.1	20.2	12.6	6.17	11.2	33.7	17.1	44.6	21.9	Dec 15	682	4.89	4.89	1973
1974	40.7	27.3	28.1	24.3	26.7	29.9	23.0	11.1	10.8	14.4	32.0	43.1	26.0	Jan 15	442	6.36	6.36	1974
1975	21.7	15.8	13.1	11.8	21.7	19.8	12.0	16.1	7.49	38.9	109	43.0	27.5	Nov 13	1180	5.85	5.85	1975
1976	34.2	16.9	18.8	18.1	35.7	29.6	27.5	16.4	17.3	22.5	28.9	64.9	27.7	Dec 15	643	9.59	7.77	1976
1977	180	34.0	25.3	24.5	19.4	15.0	12.0	6.55	8.23	32.6	43.1	31.6	22.4	Oct 22	416	4.33	4.33	1977
1978	183	21.2	26.8	11.2	13.3	11.8	6.08	10.3	27.2	22.0	35.3	19.4	18.5	Nov 06	555	4.09	4.09	1978
1979	11.9	23.3	26.5	14.0	18.9	15.4	13.5	5.19	23.8	22.0	15.4	54.0	20.3	Dec 17	542	4.32	4.32	1979
1980	19.1	26.8	17.8	23.2	17.8	12.1	11.7	5.89	22.7	12.3	48.0	71.6	24.0	Dec 26	790	4.94	4.94	1980
1981	34.3	40.7	14.0	32.4	19.9	25.9	8.33	5.21	18.9	40.5	39.3	24.4	25.2	Oct 30	560	3.80	3.80	1981
1982	24.7	32.5	13.2	11.9	13.7	21.1	12.8	8.33	15.3	38.0	26.8	29.8	21.1	Oct 22	307	5.62	5.62	1982
1983	49.9	50.5	24.6	14.0	13.7	19.2	19.8	9.15	11.1	21.6	43.7	17.8	24.4	Feb 11	510	6.03	6.03	1983
1984	40.8	31.0	23.6	22.2	24.6	17.2	16.2	9.88	23.3	38.9	31.0	19.2	24.8	Nov 22	444	8.11	8.11	1984
1985	16.2	16.5	10.2	24.1	19.3	12.2	7.20	4.29	3.16	29.8	16.0	12.3	14.3	Oct 15	248	2.73	2.58	1985
1986	56.5	33.2	36.4	18.6	32.6	16.7	14.2	4.66	4.35	8.94	39.2	37.8	25.3	Jan 18	458	2.97	2.75	1986
1987	55.7	41.0	34.8	28.1	24.5	38.3	9.45	5.58	15.2	11.6	46.7	31.1	28.4	Jan 10	713	4.32	4.32	1987
1988	27.5	31.7	24.0	27.4	29.1	22.8	14.5	8.79	13.6	19.1	45.5	23.9	24.1	Nov 05	342	5.37	5.37	1988
1989	33.5	10.3	14.3	26.6	17.6	15.4	11.7	5.95	4.23	22.8	45.8	36.4	20.4	Dec 03	581	3.90	3.84	1989
1990	34.0	24.0	19.5	18.5	13.1	15.0	8.19	5.60	4.06	49.6	96.8	41.7	27.4	Nov 11	871	3.73	3.73	1990
1991	28.4	64.0	9.06	13.1	13.8	8.62	6.96	21.3	6.59	4.83	55.4	53.8	23.5	Nov 19	635	4.21	3.48	1991
1992	75.7	39.7	9.71	16.1	12.9	6.60	4.48	4.53	9.45	34.9	26.8	17.0	21.5	Oct 23	656	3.37	3.37	1992
1993	15.3	16.6	36.3	22.2	25.1	16.4	8.50	10.1	4.42	9.68	26.4	38.1	19.1	Dec 03	451	3.88	3.61	1993
1994	27.7	26.6	38.1	23.1	13.9	16.1	7.96	5.65	10.6	28.0	35.3	54.5	24.0	Oct 27	519	3.88	3.88	1994
1995	29.4	39.5	21.1	15.8	13.7	12.4	7.97	8.29	4.96	54.1	83.2	44.6	28.0	Nov 08	580	3.95	3.95	1995
1996	58.1	28.0	20.1	58.3	16.8	16.5	6.51	4.84	8.29	26.2	25.3	20.9	24.1	Apr 05	794	2.03	2.03	1996
1997	37.3	23.1	36.9	31.2	33.6	35.7	22.2	13.7	22.2	50.6	46.7	57.7	34.3	Oct 15	600	6.08	6.08	1997
1998	52.3	32.2	23.5	16.8	17.7	12.3	15.1	6.29	6.53	23.6	39.2	50.9	24.7	Dec 12	397	4.32	4.32	1998
1999	32.8	33.3	19.8	20.7	25.3	35.1	21.9	21.9	15.5	21.3	44.1	35.8	27.5	Aug 24	262	8.62	8.31	1999
2000	17.2	18.8	16.2	20.7	21.7	18.8	15.0	12.4	12.7	24.6	24.7	22.8	18.8	Nov 25	309	7.01	7.01	2000
2001	23.9	14.2	18.6	22.1	22.6	16.9	9.72	26.1	17.1	30.7	69.0	49.0	26.7	Dec 16	420	7.45	7.09	2001
Avg.	38.5	30.1	23.8	22.3	22.0	19.9	13.3	10.1	17.1	35.4	44.3	39.8	26.4		583	5.29	5.14	m ³ /s
S. D.													9.44		224	1.87	1.73	m ³ /s
Normal	34.2	29.5	22.6	21.7	21.3	19.8	13.3	9.49	13.0	26.9	41.9	36.6	24.2		882	3.16	3.10	m ³ /s
Normal	506	398	335	311	316	284	196	140	186	399	601	541	4210	10-Year				m ³ /s

