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Fisheries Resources of Williston Reservoir Twenty Years After Impoundment

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April 1992

PWFWCP Report No. 239

The Peace/Williston Fish & Wildlife Compensation Program is a cooperative venture of BC Hydro and the provincial fish and wildlife management agencies, supported by funding from BC Hydro. The Program was established to enhance and protect fish and wildlife resources affected by the construction of the W.A.C. Bennett and Peace Canyon dams on the Peace River, and the subsequent creation of the Williston and Dinosaur Reservoirs.

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This report has been approved by the Peace/Williston Fish and Wildlife Compensation Program Fish Technical Committee.

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SUMMARY

1. Species composition and relative abundance has changed from 1975 to 1988 to favour species adapted to the lacustrine habitat.

2. Species such as mountain whitefish, Arctic grayling and possibly native rainbow trout, which are all species dependant upon insects as a prime food source have declined in part because insect production is limited by the fluctuating water levels.

3. Those species best able to utilize plankton as a food supply such as kokanee are increasing.

4. Bull trout have increased in relative abundance because of their ability to utilize lake whitefish as a food source. However, because of the slow growth and late maturity of this species populations will be severely limited in areas with heavy angling pressure.

5. Sportfish species comprised only 14% of the total catch in 1988, a decline from 24% in 1974-5. Most of this decline can be attributed to the severe declines in the Arctic grayling (1.9% to 0.1%) and mountain whitefish (12.0% to 0.5%) populations.

6. Lake whitefish remained stable in terms of relative numbers but declined significantly in size from 1984-5 to 1988.

7. Rainbow trout populations have declined, particularly in the Peace Reach where there were very few fish in the older age classes.

8. The peamouth chub population has increased from 9% of the total catch in 1974-5 to 24% in 1988, and is up to 35% in the Parsnip Reach.

INTRODUCTION

Williston Reservoir is the largest body of fresh water in British Columbia. It was formed in 1968 by the completion of B.C. Hydro's W.A.C. Bennett Dam, on the Peace River.

The annual drawdown from 1972 to 1987 for Williston Reservoir has averaged 16.8 m, with the lowest water levels occurring in spring. The extensive drawdown has resulted in a basically abiotic littoral zone with no aquatic vegetation and very limited insect populations. Therefore, the primary food source in the lake is plankton. Species relying on insects are severely restricted except in areas where invertebrates are washed into the lake from tributary streams.

The impoundment of a river causes profound environmental changes which have a marked effect on fish populations. Studies (Nilsson 1958, Grimas 1961, Lindstrom 1962, and Frey 1967) indicate that fish populations in a new reservoir follow a characteristic pattern. In the first few years after flooding, tremendous increases occur, and then numbers decline and eventually stabilize. At the same time major changes in species composition occur; the original riverine species decline and the system becomes dominated by species adapted to a lacustrine or lake habitat.

In the case of Williston Reservoir this may change further to a system dominated by species which feed on plankton and by those piscivorous fish adapted to prey on the plankton feeders.

Williston Reservoir has a major potential for recreational use due to its proximity to the population centres of Prince George, Mackenzie, Fort St. John, Dawson Creek and Chetwynd. It is particularly important to the Peace River area because there are few accessible lakes. Angling is one of the most important recreational activities on the lake. However, in the past fishing pressure has been light relative to the size of the reservoir, primarily due to limited access and floating debris.

A number of fisheries and water quality investigations have been conducted on Williston Reservoir and its tributaries. A preliminary overview of the fisheries resource and potential of the lake was conducted in 1975. The program documented species presence, certain life history parameters, limnology and tributary stream assessment. Most of the data collected was too general and may no longer be applicable in the formulation of management strategies because of the early developmental stage of the reservoir when the data was collected.

There have been increasing reports about the decline of the fisheries as reflected in reduced catch rates compared to the 1970's. The rainbow trout fishery appears to have declined significantly and is essentially restricted to a few tributary streams and embayment areas; Bull trout appear to be maintaining their relative numbers, although large fish are not standing up to the intensive angling pressure at the tributary mouths; Arctic grayling have virtually disappeared from the lake; Kokanee populations have been steadily increasing but are not present in sufficient numbers to provide a fishery.

The status of lake whitefish and coarse fish populations are presently unknown, and there has been a renewed interest in the potential of Williston Reservoir to support a commercial fishery for lake whitefish.

Due to the lack of up to date information on the status of these fish stocks the Provincial Fisheries Branch has been unable to formulate an effective management program for this important watershed. For this reason a three year study, funded by B.C. Hydro and under the direction of BC Environment and B.C. Hydro has been initiated to evaluate the status of the fish stocks and to identify enhancement opportunities within the Williston Lake watershed.

This report is a summary of the results of a gillnetting project conducted in 1988 as part of this three year program.

STUDY AREA

Williston Lake is located in northeastern British Columbia at 56 N latitude and 124 W longitude (Fig 1). The reservoir was formed by the construction of the W.A.C.Bennett dam in 1968 and reached full storage level in 1972. The dam is 183 m in height and has a crest length of 2134 m. The reservoir has a surface area of 1736 square km, and a shoreline perimeter of 1770 km at maximum water levels.

Three major rivers, the Peace, Finlay and Parsnip were impounded to create Williston Lake. Each has remained relatively distinct creating the three reaches of the lake. The peace reach extends 119 km west from the dam site, where it joins the main body of the lake, lying in a north south direction (223 km) in the rocky mountain trench (fig 1-4). The morphometry of the Parsnip (south) and Finlay (north) reaches are typically bench land formations, resulting in large shallow (1.5-6 m) areas. This contrasts sharply to the fjord-like characteristics of the Peace reach (Table 1).

Pre-impoundment clearing of timber was limited to a navigational channel and as a result most of the bottom of the lake is covered with dead standing timber. The timber presents few navigational hazards except in some stream mouths and in some areas of the Finlay reach. In the early stages of the reservoir great masses of floating debris were present, however most of this has been cleared.

Numerous large rivers enter the lake (Table 2). Sediment loads during the spring run off (May-July) are high, with some glacial systems remaining turbid throughout the summer. Maximum flows occur during spring run off and minimum flows are in December to February.

TABLE 1. **Physical and chemical characterises of Williston Reservoir.**

		Parsnip Basin	Finlay Basin	Peace Basin	Total Reservoir
Area	hectares	63,653	62,852	30,462	156,968
Volume	x 1 mill cubic meters	22,920	16,340	25,590	64,360
Depth	max m	51	69	140	140
	mean m	36	26	84	41
TDS	avg. mg/l	85	107	100	98

Calculations based on a reservoir level of 665 m above sea level,
(from Barrett and Halsey 1985)

TABLE 2. **Williston Lake Tributary Streams.**

Reach	Streams	Small	Medium	Large	Major	Drainage Area (km)	Drainage Names of Major Systems
E. Parsnip	52	40	11	0	1	6,459	Parsnip
W. Parnsip	79	65	8	1	5	21,845	Omineca Manson Nation, Pack, Osilinka
Total	131	105	19	1	6	28,304	
E. Finlay	57	45	9	2	1	5,467	Ospika, Finlay
W. Finlay	19	8	8	0	3	26,976	Mesilinka, Ingenika
Total	77	53	17	2	4	32,443	
S. Peace	58	51	5	2	0	2,672	
N. Peace	63	63	8	2	0	2,868	
Total	121	104	13	4	0	5,540	
TOTALS	329	262	42	7	10	66,287	

major > 1500 km, large 400-1500 km, medium 50-400 km, small < 50 km
(from Bruce and Starr 1977)

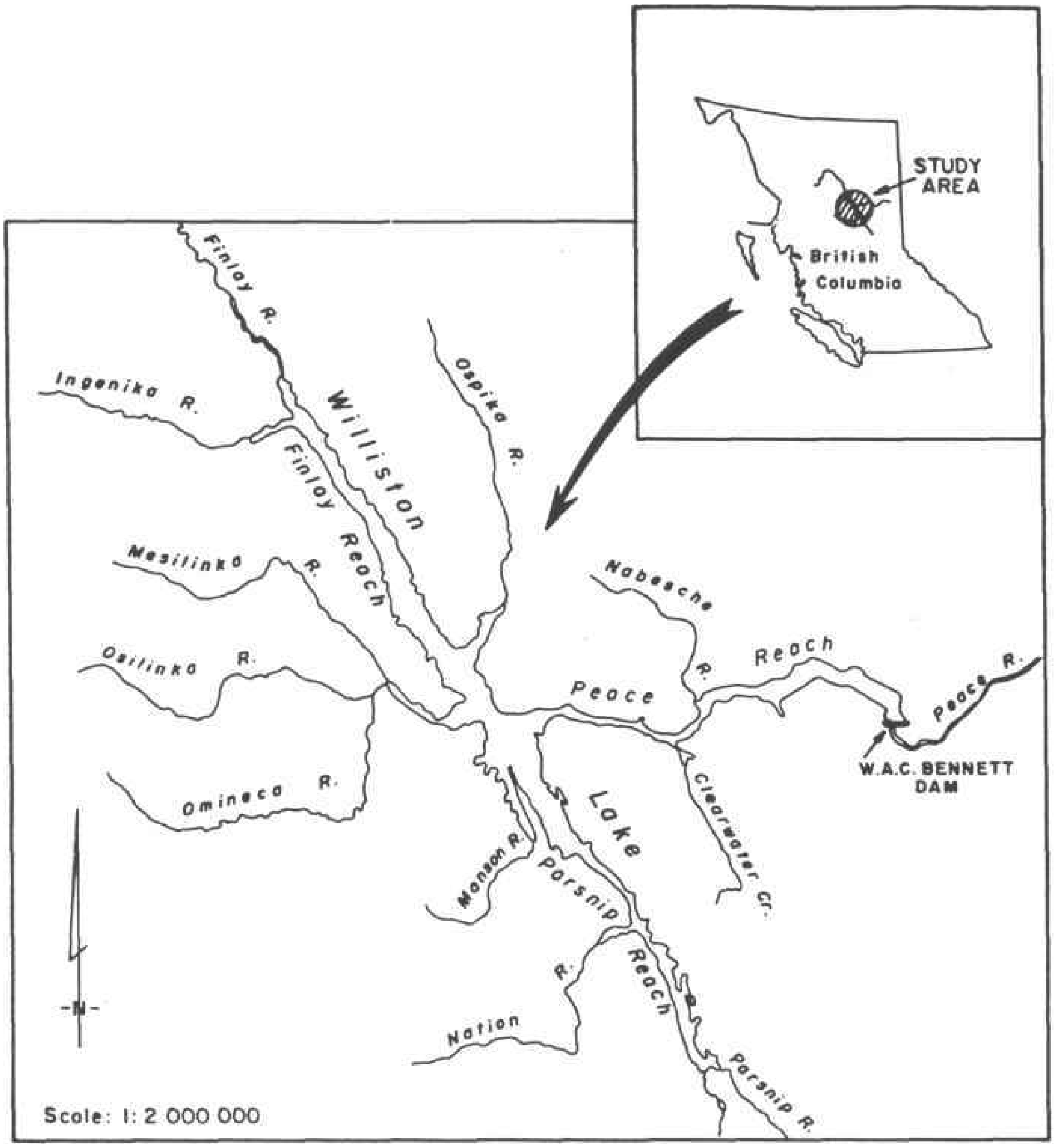


Figure I Study Area Location - Williston Reservoir.

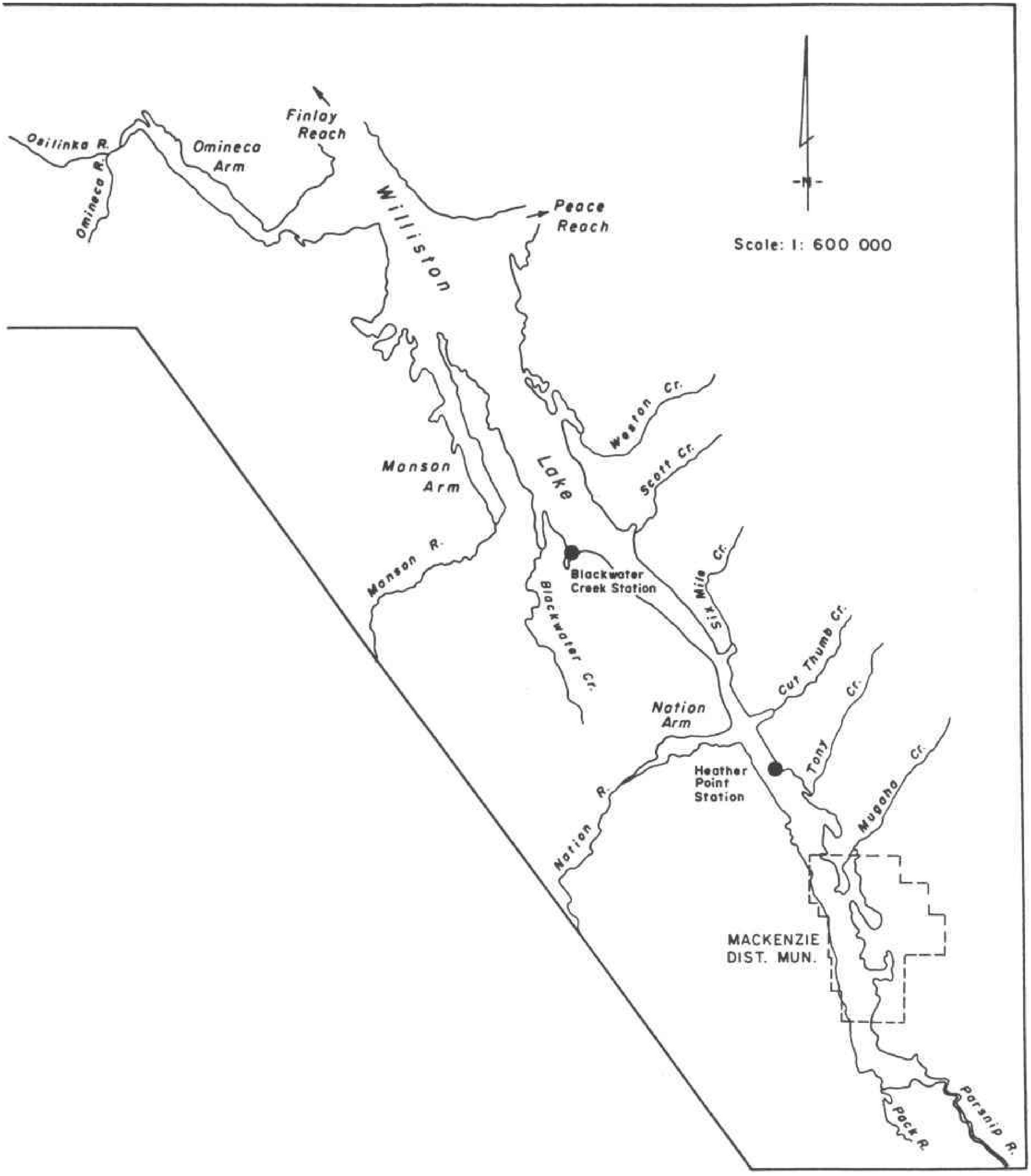


Figure 2 Parsnip Reach Gillnet Station Locations.

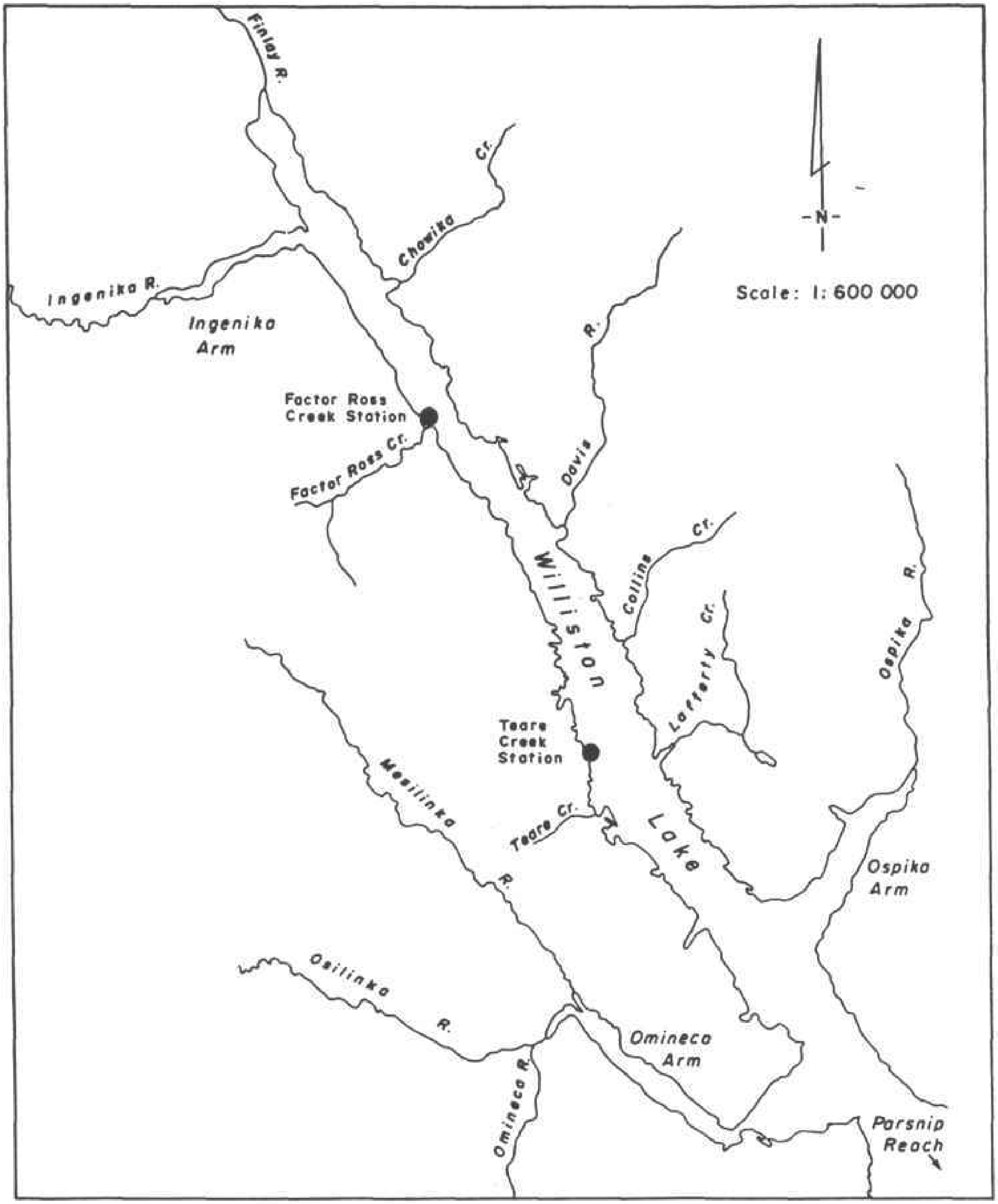


Figure 3 Finlay Reach Gillnet Station Locations.

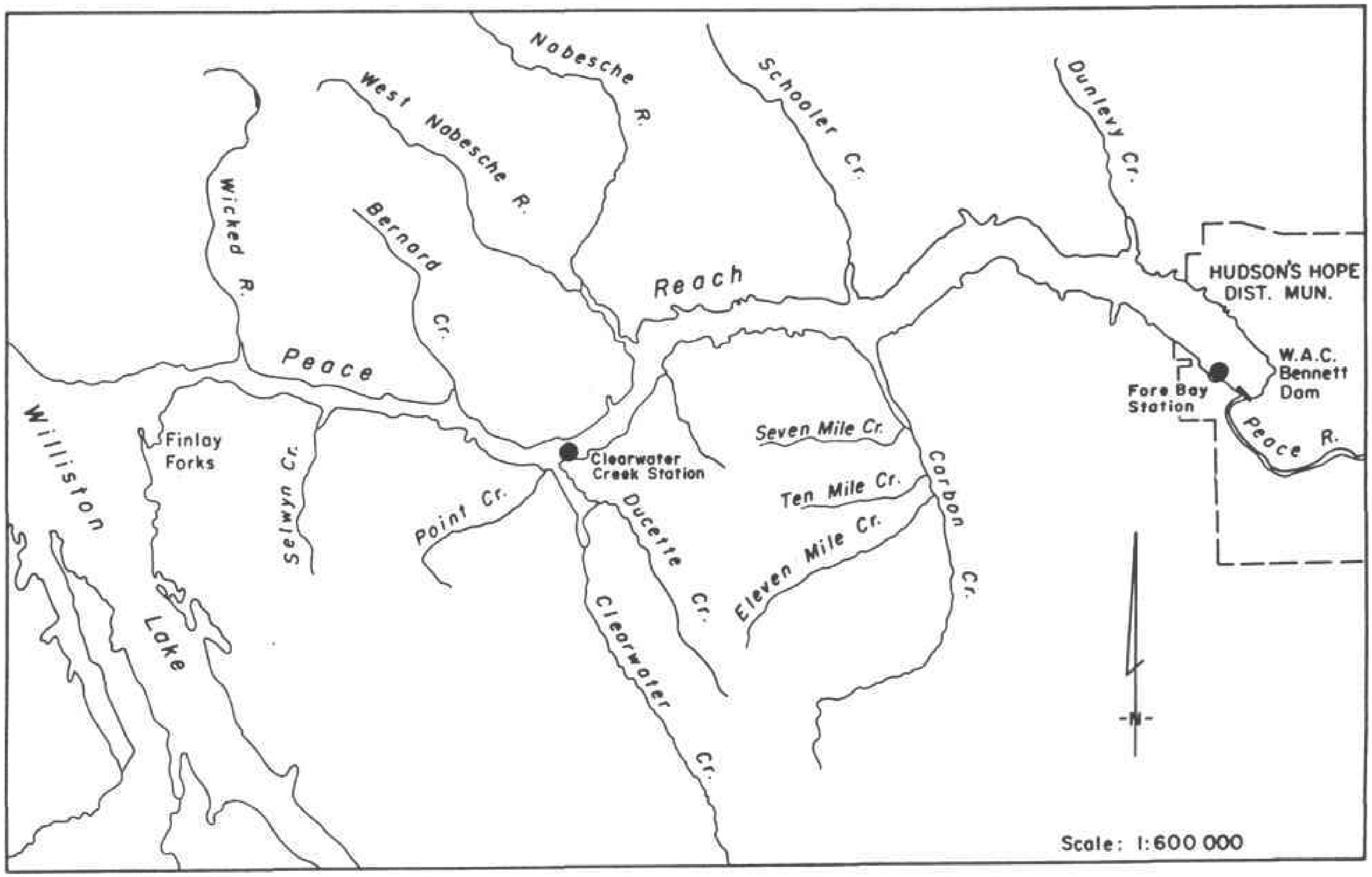


Figure 4 Peace Reach Gillnet Station Locations.

METHODS

The 1988 gill netting program was divided into three periods: Spring (June 22 - July 2), Summer (August 10 - 19), and Fall (September 27 - October 18). There were six netting stations, two in each reach (Fig 2, 3 & 4). Site selection for each station was based on Barrett and Halsey 1985.

Three monofilament gill nets were set at each station. Each net consisted of six 15.2 x 2.4 m panels with the following mesh size arrangement: 3.8, 12.7, 5.1, 10.2, 6.4, and 7.6 cm panels. Nets were set along predetermined depth contours. One floating net was set in 30 m of water and the two sinking nets were set in 7.5 and 15 m of water. A Lowrance X-15 recording depth sounder was used to identify the respective contours.

In addition, a vertical pelagic net was set during the spring sample period. This net was 4.6 m wide and 30.5 m deep. The mesh size was a heavier gauge than the others. This net was in the deepest part of the channel and was hung to fish from 1 to 31.5 meters below the surface.

The vertical pelagic net was replaced by a horizontal net during the summer and fall periods. This net was 15.2 m deep and 45.6 m long and consisted of six 7.6 x 15.2 m panels with the same mesh sixes and gauge as the other three nets. The pelagic net was hung from floats to fish from 5 to 20.2 m below the surface, and was fished in approximately 60 meters of water, except at Heater Point where the maximum depth was only 30 m. Additional nets were set at Heather Point (30 m sinking summer and fall), and Blackwater Creek (60 m sinking, fall). A summary of set times, locations and omissions due to equipment problems are given in Appendix I.

BIOLOGICAL SAMPLING

All fish caught were enumerated by station, net type, mesh size and species. Sports fish were sampled for fork length, weight, sex, maturity, diet, obvious parasites and age. Similar sub-samples were taken from coarse fish. Fork lengths were measured to the nearest mm and weights were taken to the nearest 5 grams using a Hardey spring balance. Scale samples or otolith were taken from the appropriate species for age determination from a minimum of 25 fish per species per site.

Twenty-five tissue samples (20-40 grams) were collected per species per reach for mercury analysis. The tissues were taken from the posterior portion of the fillet and frozen for laboratory analysis at a later date.

RESULTS

Species Composition and Distribution

A total of 14 species were collected during the 1988 sampling season (Table 3). Ten of the 14 were present all six netting sites. Arctic grayling were found only at two sites, lake trout at three, mountain whitefish at all but one and white suckers were found at four sites.

Total Catch

The total number of fish caught during the 1988 netting program was 3,468. Using just the spring and fall data to compensate for the incomplete summer schedule, the total catch from the Parsnip reach was 1207 fish, more than the 940 from the Finlay reach and the 803 from the Peace reach (Table 3). No reach was higher with respect to lake whitefish with 469 from the Parsnip reach, 458 from the Peace reach and 541 from the Finlay reach.

Relative Abundance

Lake whitefish were the most abundant species, comprising 48.9 % of the total catch. Peamouth chub were the second most numerous species at 24%. Dolly Varden were the most abundant sports species at 5.8 % with rainbow trout (3.8%), kokanee (2.3%) and ling (1.1%) close behind. The other sports species, such as arctic grayling, mountain whitefish and lake trout were all significantly less the 1 % of the total catch.

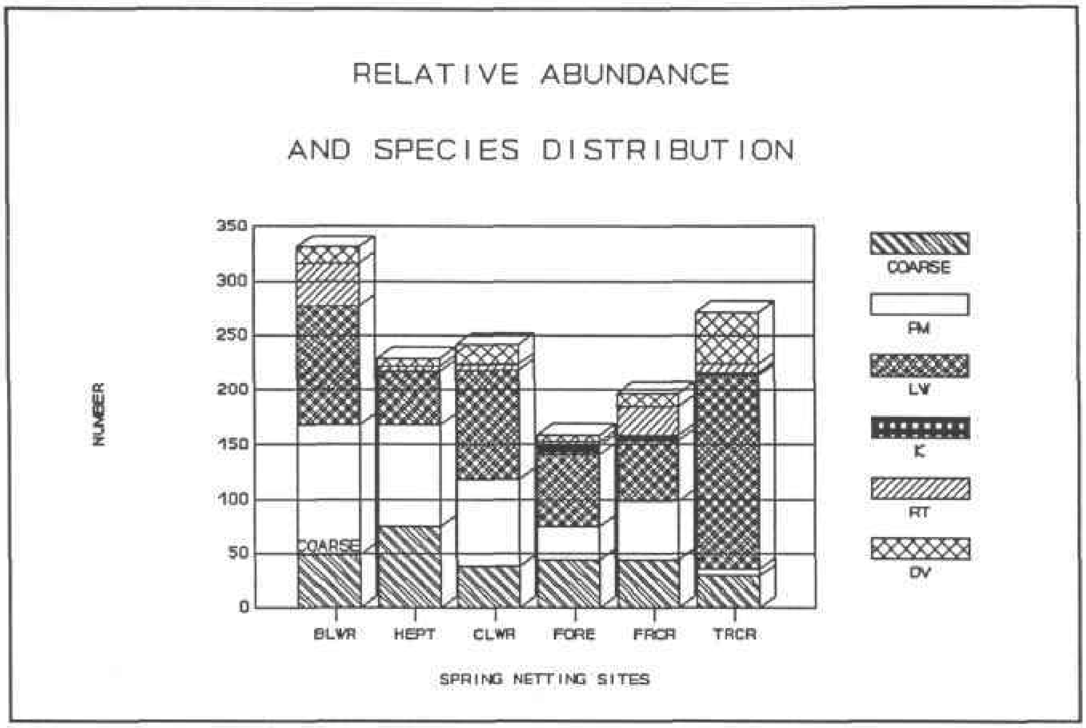
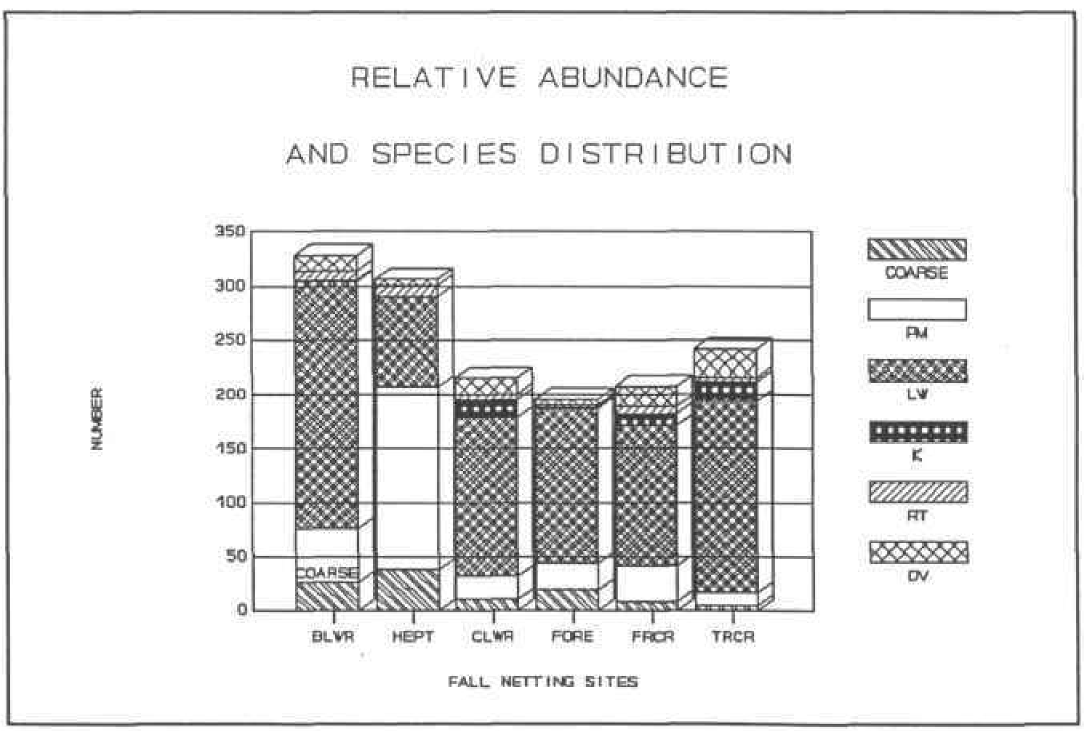


Figure 5



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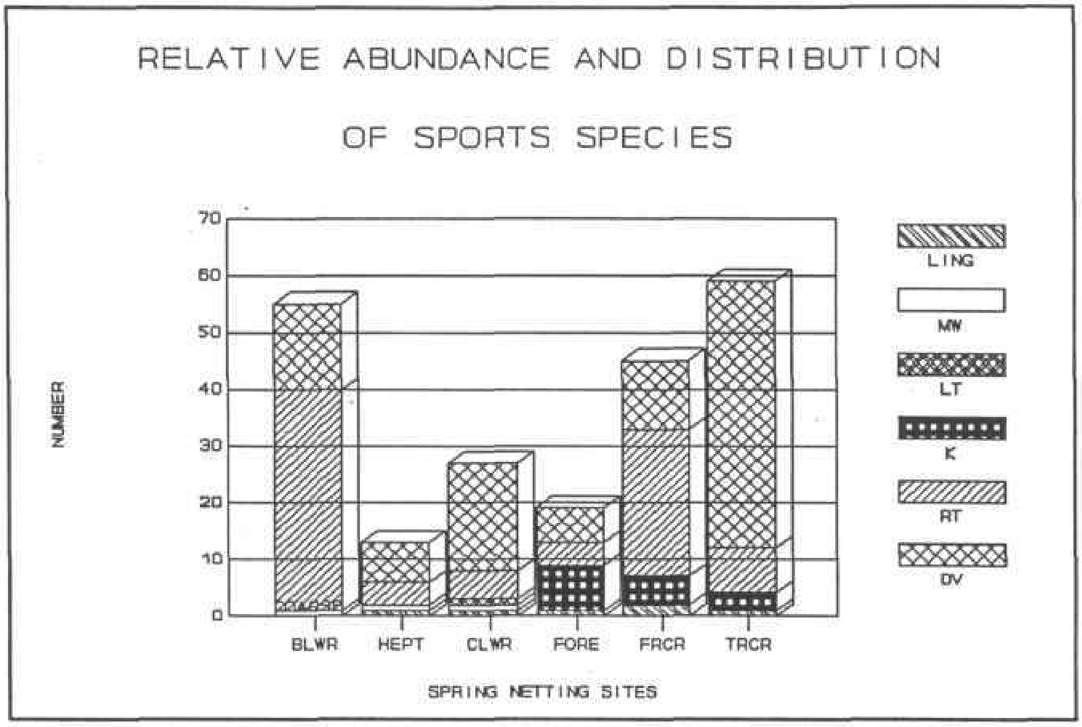

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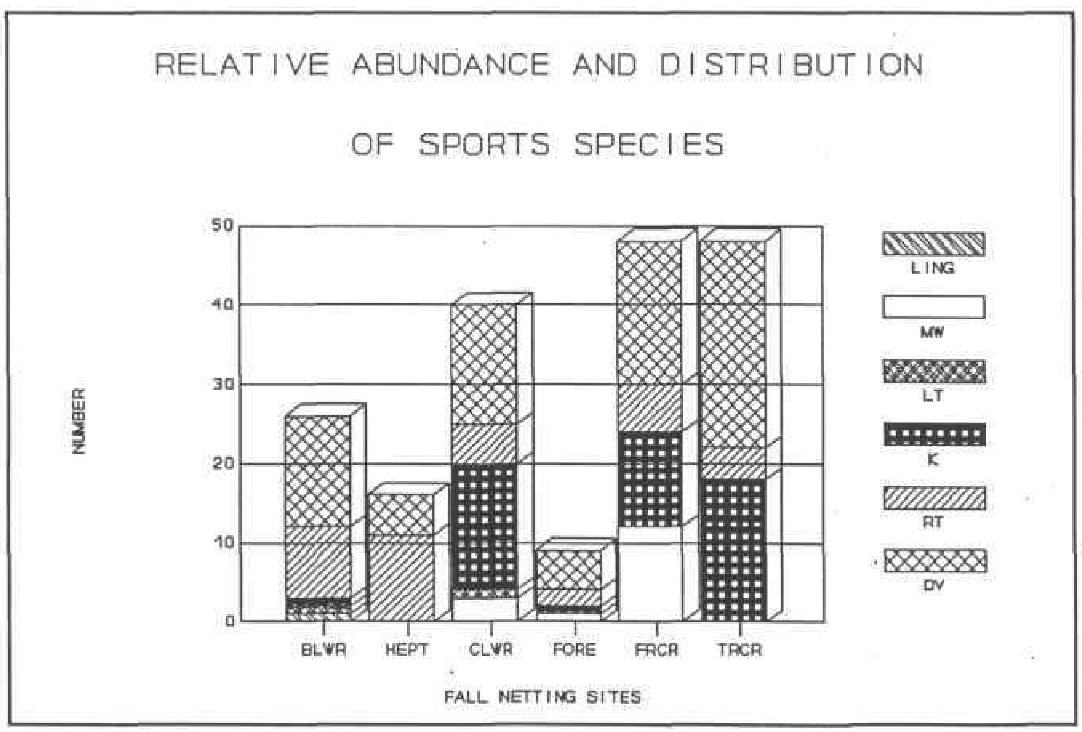


Figure 8

TABLE 3. Species Composition and Distribution.

SPECIES	TOTAL	PARSNIP REACH		PEACE REACH		FINLAY REACH	
		Blwr	Hept	Clwr	Fore	Frcr	Trcr
Arctic Grayling	2	2	0	1	0	0	1
Bull Trout	202	29	14	45	11	30	73
Kokanee	79	1	1	27	12	17	21
Rainbow Trout	133	48	15	20	6	32	12
Lake Trout	4	1	1	2	0	0	0
Ling (Burbot)	37	5	15	1	6	8	2
Mountain Whitefish	19	1	1	4	1	12	0
Lake Whitefish	1691	337	147	367	299	185	356
Long Nose Sucker	338	37	104	56	66	45	30
Large Scale Sucker	57	24	22	5	2	3	1
White Sucker	16	1	11	0	3	1	0
Peamouth Chub	831	170	282	182	91	88	18
Northern Squawfish	48	12	22	6	3	3	2
Redside Shiner	1	0	0	1	0	0	0
TOTAL	3468	666	635	717	500	424	516
Corrected for summer omissions		666	423	478	333	424	516

SPECIES CATCH	SCIENTIFIC NAME	% OF TOTAL
Arctic Grayling	Thymallus arcticus	0.1
Bull Trout (Dolly Varden Char)	Salvelinus confluentus	5.8
Kokanee	Oncorhyncus nerka	2.3
Rainbow Trout	Oncorhyncus mykiss	3.8
Lake Trout	Salvelinus namaycush	0.1
Ling (Burbot)	Lota lota	1.1
Mountain Whitefish	Prosopium williamsoni	0.5
Lake Whitefish	Coregonus clupeaformis	48.9
Longnose Sucker	Catostomus commersoni	9.8
Largescale Sucker	Catostomus macrocheilus	1.6
White Sucker	Catostomus catostomus	0.5
Peamouth Chub	Mylocheilus caurinus	24.0
Northern Squawfish	Ptychocheilus oregonensis	1.4
Redside Shiner	Richardsoius balteatus	0.1

TABLE 4. Mean Fork Length (mm) by Site by Species.

SPECIES	HEPT	BLWR	TRCR	FRCR	CLWR	FORE
AG			304.1		360.1	
DV	307.1	455.2	458.5	388.9	335.5	377.8
K	170.1	230.1	230.7	277.2	246.5	215.7
LING	430.4	417.6	375.1	403.2	333.1	427.7
LNS	315.1	330.8	315.8	294.2	351.6	348.5
LSS	353.9	379.2	420.1	313.7	417.4	378.5
LT	395.1	390.1			442.5	
LW	252.3	265.6	281.5	278.9	294.2	282.5
MW	183.1	312.1		213.2	286.2	258.1
PM	178.9	182.6	186.4	195.5	191.1	198.8
RT	286.5	313.8	301.9	322.6	304.3	285.5
NSF	322.8	266.8	340.1	391.1	332.7	287.3

TABLE 5. Mean Weight (g) by Site by Species.

SPECIES	HEFT	BLWR	TRCR	FRCR	CLWR	FORE
AG			330.1		500.1	
DV	329.6	1358.7	1366.8	951.9	491.9	858.2
K	50.1	270.1	172.2	288.8	197.8	137.5
LING	798.6	440.1	330.1	354.4	170.1	510.1
LNS	374.6	424.4	403.5	439.4	535.8	637.6
LSS	557.1	705.6	820.1		705.1	
LT	520.1	670.1			930.1	
LW	198.1	225.7	231.1	239.8	248.1	255.6
MW	60.1	330.1		102.1	292.5	200.1
PM	61.1	73.6	68.6		73.8	84.4
RT	274.6	381.9	333.8	363.1	309.5	213.3
NSF	521.5	213.7	515.1	786.7	435.1	293.3

TABLE 6. Mean Condition Factor by Site by Species

SPECIES	HEFT	BLWR	TRCR	FRCR	CLWR	FORE
AG			1.175		1.072	
DV	0.962	1.053	1.005	0.904	0.907	0.987
K	1.018	2.219	1.351	1.335	1.265	1.334
LING	0.619	0.606	0.593	0.516	0.461	0.585
LNS	1.155	1.127	1.246	1.187	1.185	1.291
LSS	1.177	1.321	1.107		1.144	
LT	0.844	1.129			1.061	
LW	0.997	1.081	1.037	1.023	0.978	1.048
MW	0.979	1.087		0.892	1.195	1.165
PM	1.041	1.238	1.001		0.982	1.018
RT	1.198	1.085	1.164	1.169	1.109	1.141
NSF	1.151	1.138	1.303	1.322	1.172	1.064

AG = ARCTIC GRAYLING; DV = DOLLY VARDEN; K = KOKANEE; LING = BURBOT;
LSS = LARGESCALE SUCKER; LT = LAKE TROUT; LW = LAKE WHITEFISH;
MW = MOUNTAIN WHITEFISH; PM = PEAMOUTH CHUB; RT = RAINBOW TROUT;
NFS = NORTHERN SQUAWFISH; LNS = LONGNOSE SUCKER
HEPT = HEATHER POINT; BLWR = BLACKWATER; TRCR = TEARE CREEK;
FRCR = FACTOR ROSS CREEK; CLWR = CLEARWATER CREEK; FORE = FOREBAY

Length Weight and Condition Factors

Analysis of variance of fork lengths weights and condition factors indicates significant differences between sites within the same reach and for this reason the analysis will be presented on a site to site basis rather than by reach. The mean fork lengths, weights and condition factors for each species are summarized in Tables 4, 5, 6.

There were no significant differences between lengths, weights, or condition factors of the fish between seasons. Lake whitefish were significantly (P>.05) smaller (fl & wt)in the Parsnip reach than the Finlay of Peace reaches although the whitefish from the Blackwater site had the highest condition factors. Both 1 + and 3+ whitefish from the Finlay reach had significantly (0.5%) smaller fork lengths than fish of similar ages from the Peace and Parsnip reaches. Whitefish caught in the pelagic net were significantly (P>.05) longer than those from the other nets and the mean weights from the pelagic and 15 m nets were significantly (P> .05) greater than those from the 7.5 and 30 m nets.

Rainbow trout showed no significant difference in size between sites, nets or season. The condition factors of the trout at the Clearwater site were significantly (P>.05) greater than the other sites during the spring netting.

Bull Trout from Blackwater and Teare Creek were significantly (P>.05) longer and heavier than those from the other sites during the spring. The condition factors of Bull Trout from Forebay were significantly (P>.05) higher than from Clearwater or Teare Creek and during the fall netting Blackwater was significantly (P>.05) greater than Clearwater and Factor ROSS (Appendix II).

Age Class Distributions

Three year old fish were the dominant age class in the lake whitefish (44%) and the rainbow trout (49%) sampled (Figs 9 & 10). The dominant age classes in Bull Trout were the 6 and 7 year fish. Seventy four percent of the fish sampled were between 5 and 9 years old, while 8% were younger and 18% were older (Fig 11). Rainbow trout and Bull Trout had no significant difference in fork lengths between reaches for fish of the same age.

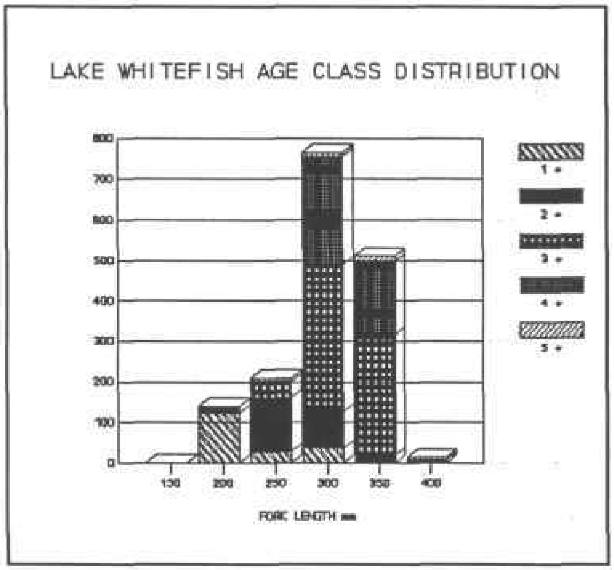
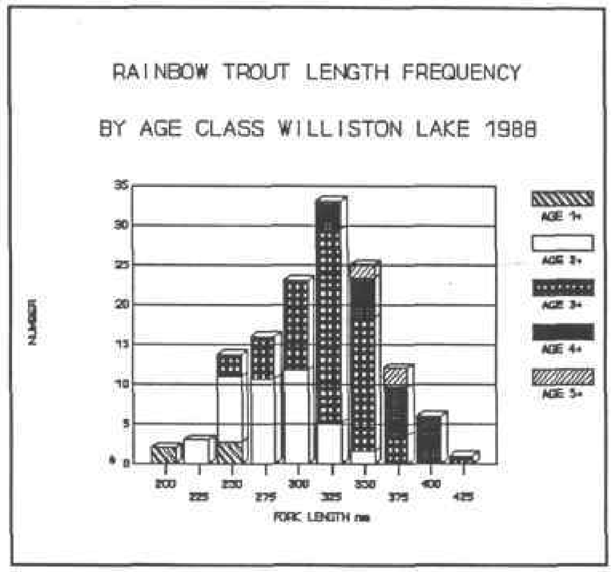


Figure 9



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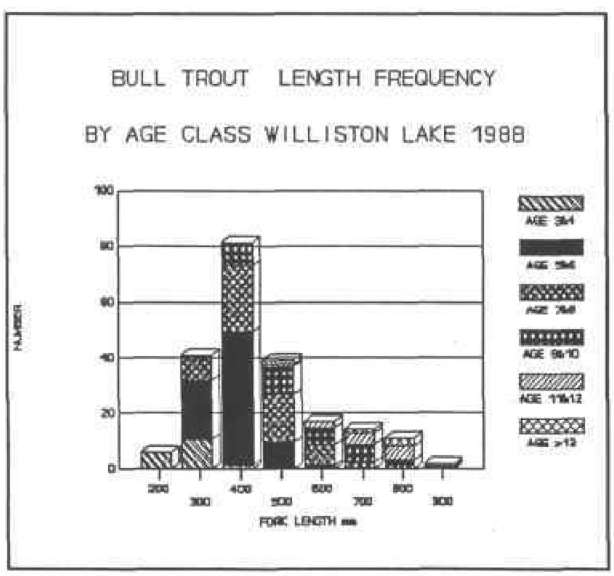

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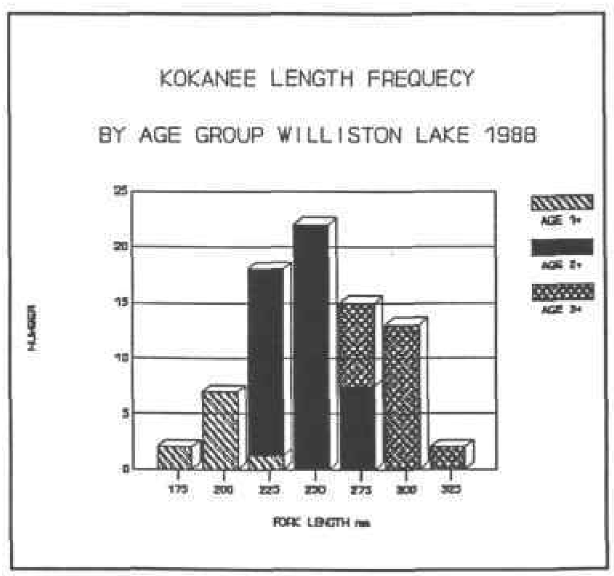

Figure 12

POTENTIAL FOR A COMMERCIAL FISHERY

Lake whitefish were the most abundant species comprising 49.9 % of the total catch. The average fork length was 282 mm and the average weight was 239 gms (Table 4). In approximately 1200 hours of netting 1690 whitefish were captured. During the fall portion of the program 949 whitefish were caught in 482 net hours. However the pelagic net appeared to be the most suitable for a potential fishery in that 88.5 % of the fish captured were whitefish and less than 4% of the fish captured were sports species.

During the fall program this net (15 x 150 m) captured 291 whitefish in 114.3 net hours (Tables 7 & 8).

TABLE 7. Lake Whitefish Fall Netting Summary

NET	BLWR		HEPT		TRCK		FRCK		FORE		CLWR	
	hrs.	#	hrs.	#	hrs.	f	hrs.	#	hrs.	f	hrs.	#
15m sinking	20.0	46	23.5	9	20.0	52	14.5	28	24.5	41	22.0	37
Pelagic	24.0	80	23.0	9	15.5	78	14.5	18	17.5	45	20.0	61
30m floating	24.5	31	19.5	15	17.3	8	12.8	19	20.0	12	19.8	14
7.5m sinking	23.5	71	21.5	42	21.5	40	16.5	114	23.3	42	23.0	37
TOTAL	92.0	228	87.5	75	74.3	178	58.0	179	85.3	140	84.8	149

TABLE 8. Harvest by Mesh Size

MESH SIZE	BLWR	HEFT	TRCK	FRCK	FORE	CLWR
38mm	37	27	25	12	12	2
51mm	93	30	49	43	60	32
64mm	81	15	68	53	44	69
76mm	17	3	36	69	12	42
102mm	0	0	0	2	3	2
127mm	0	0	0	0	0	1

DISCUSSION

Species Composition and Distribution

There were some rather dramatic changes in species composition and distribution since the 1974-5 studies (Table 9). Arctic grayling and mountain whitefish were abundant (1.9 and 12% respectively) and distributed throughout the lake in 1974-5. Grayling have almost completely disappeared with only 2 caught in 1988. Mountain whitefish have suffered a similar fate with only 19 caught in 1988. However, large numbers of mountain whitefish were observed in the mouths of streams. These fish did not show up in the netting program primarily because of site selection. The same is not true for the grayling although they are still present in many streams. Kokanee are more abundant and were present at all sites except in the Parsnip reach. Lake trout, reported in the southern Parsnip drainage (Withler 1959) were not found during the 1974-5 surveys but were captured at Clearwater, Heather Point and Blackwater sites during 1988 (Table 3). Lake whitefish have increased in the Finlay Reach and decreased in the Parsnip (Figs 13-15).

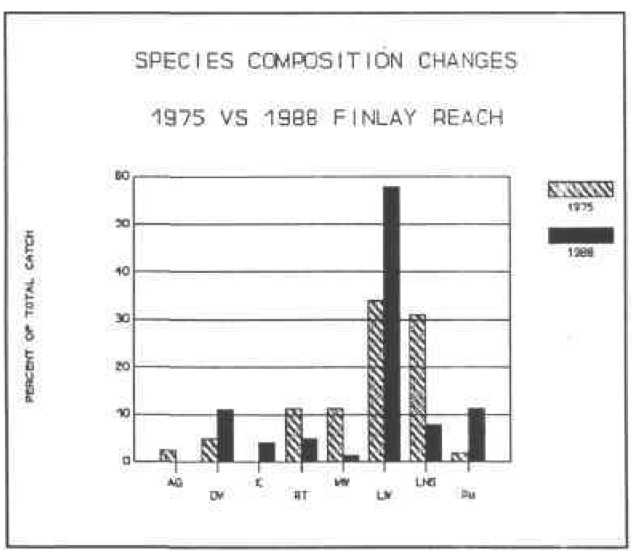

Figure 13

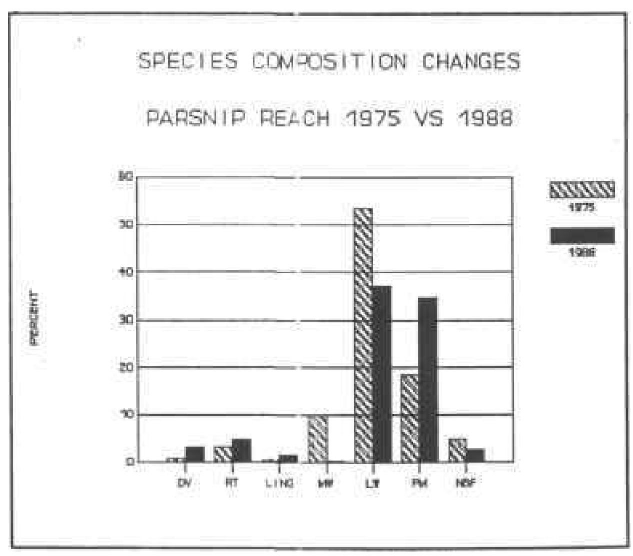

Figure 14

Relative Abundance

Changes in relative abundance since the 1974-5 studies have been quite dramatic. However, one should be careful in interpreting changes in relative abundance, as an increase in one species could make the data appear as if other species had declined. As mentioned previously Arctic grayling and mountain whitefish populations have been reduced significantly (1.9 to 0.06% and 12.0 to 0.5% respectively).

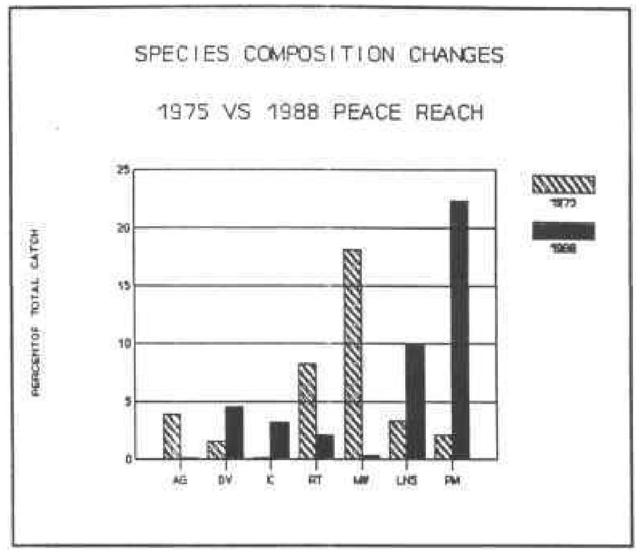

Figure 15

TABLE 9. Changes in Williston Lake Species Relative Abundance.

SPECIES	1988		1974-5 *	
	No.	%	No.	%
Rainbow Trout	134	3.0	426	7.6
Bull Trout	202	5.8	150	2.6
Lake Trout	4	0.1	0	0.0
Arctic Grayling	2	0.1	106	1.9
Mountain Whitefish	19	0.5	660	12.0
Lake Whitefish	1691	48.9	2720	48.0
Kokanee	79	2.3	4	0.1
Burbot (Ling)	37	1.1	8	0.1
Northern Squawfish	48	1.4	97	1.7
Longnose Sucker	338	9.8	792	14.2
Largescale Sucker	57	1.6	118	2.1
White Sucker	16	0.5	3	0.1
Peamouth Chub	831	24.0	486	8.7
Redside Shiner	1	0.1	3	0.1

% sports fish 1988 477/3458 = 13.8%
1974-5 1351/5573 = 24.2%

* from Barret and Halsey 1985
adjusted to include only sites used in the 1988 study.

Sports fish now comprise only 14% of the total catch in comparison to 24% in 1974-5 (Figs 16-19) but this is in part due to the decline in mountain whitefish and Arctic grayling. Rainbow trout have been reduced from 7.6% to 3.0% (Table 9). On the other hand Bull trout have increased from 2.6 to 5.8%, and Kokanee have increased from 0.07 % to 2.3%. Ling or burbot have increased from 0.1 to 1.1% and peamouth chub have increased from 8.7 to 24.0%.

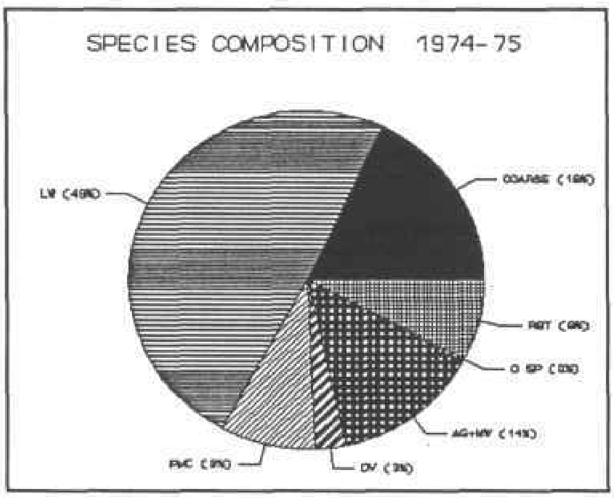

Figure 16

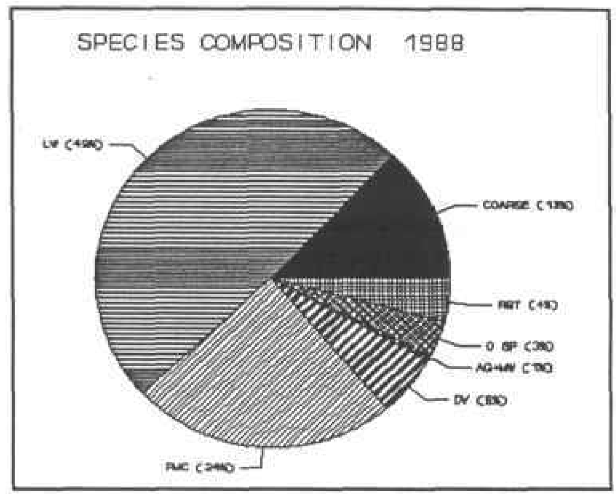

Figure 17

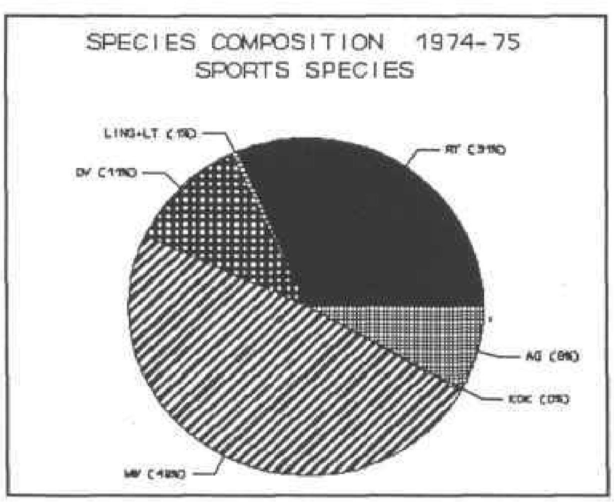

Figure 18

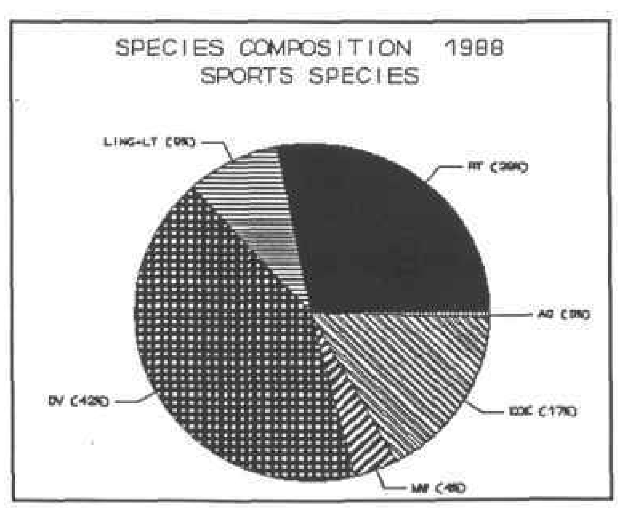

Figure 19

There are differences in relative abundance between reaches, seasons and net types. For instance Bull trout comprised only 3.4% of the total catch in the Parsnip reach but 11.0% in the Finlay (Table 3, Figs 13 and 14). Rainbow trout were 5.9% of the total catch in the spring but only 2.4% in the fall. The sucker species demonstrated a similar pattern comprising 17.9 % in the spring and only 7.2% in the fall. Lake whitefish did not change in overall abundance since 1975 but there was a significant decline from approx. 53% to 37% in the Parsnip Reach and a corresponding increase from 34% to 58% in the Finlay Reach (Figs 13-15).

Net selectivity was exhibited for example, only 48 lake whitefish were captured in the pelagic net during the spring but a change in net design resulted in 260 being caught in the fall. Rainbow trout were captured more frequently in the 30m floating net (63%) as opposed to the 7.5m (19%), 15m (18%) and the pelagic nets (0%). Kokanee demonstrated a similar pattern with 75% from the floating net, and 4%, 13% and 8% from the 7.5, 15, and pelagic nets.

Length Weight and Condition Factor

There appears to be little difference in the fork lengths of fish in the different age classes for bull trout and rainbow trout in comparison to the 1974-5 studies (Fig 20 - 23). The Lake whitefish appear to be much smaller, particularly in the older age classes. The lake whitefish captured in 1988 appear to have fairly rapid growth up to three years in age (275-310 mm) and then their growth abruptly stops.

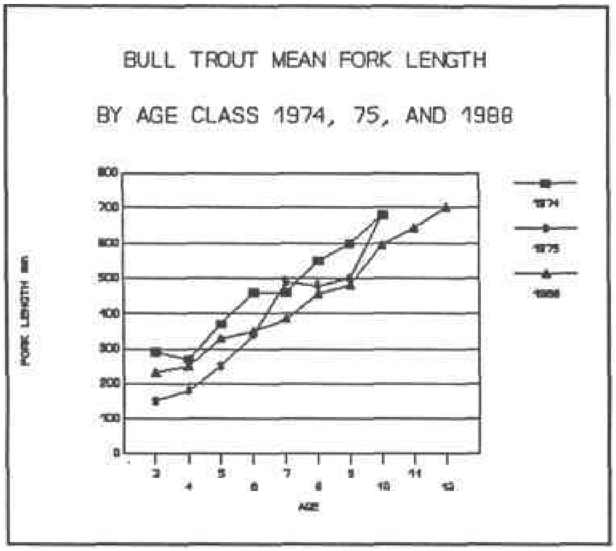

Figure 20

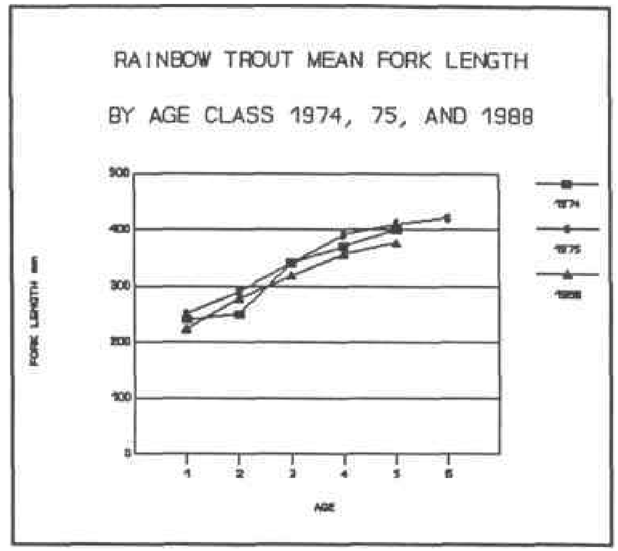

Figure 21

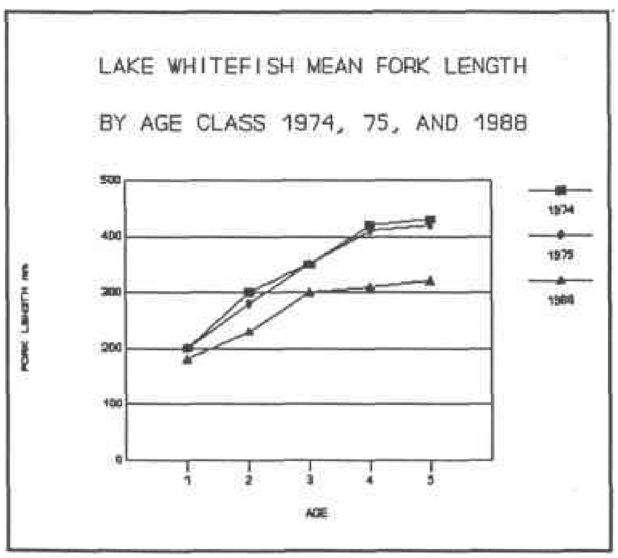

Figure 22

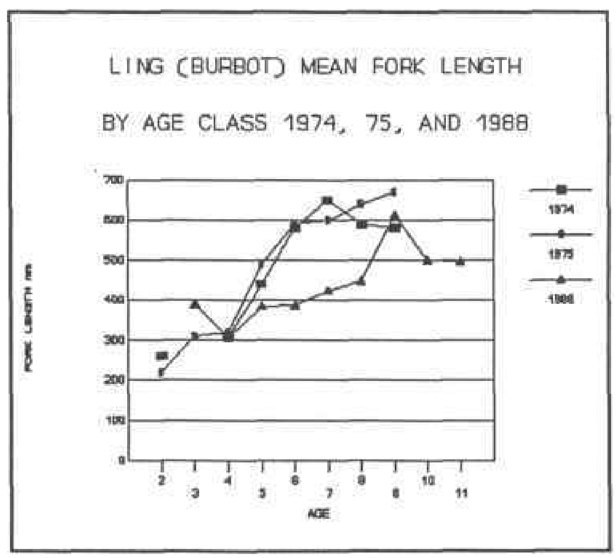

Figure 23

Significant differences were found between species caught in the different nets indicating differences in the populations utilizing different zones of the lake. For example the lake whitefish captured in the pelagic net had significantly (P> .05) greater fork lengths than those caught in the other nets and significantly (P>.05) lower condition factors. A comparison of the variance of the fork lengths of the pelagic and inshore nets indicates two separate populations (Figs 24-27, Figs 28-31, & Appendix II). Similarly the Bull trout caught in the 30 m floating net were significantly (P>.05) heavier than those caught in the 7.5 and 15m sinking nets.

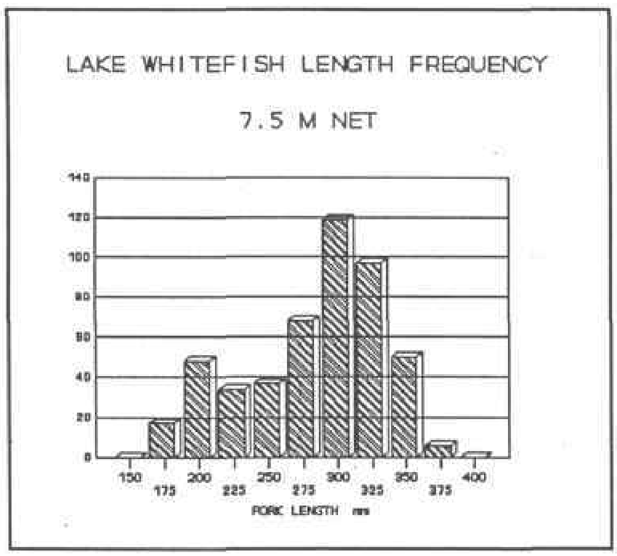

Figure 24

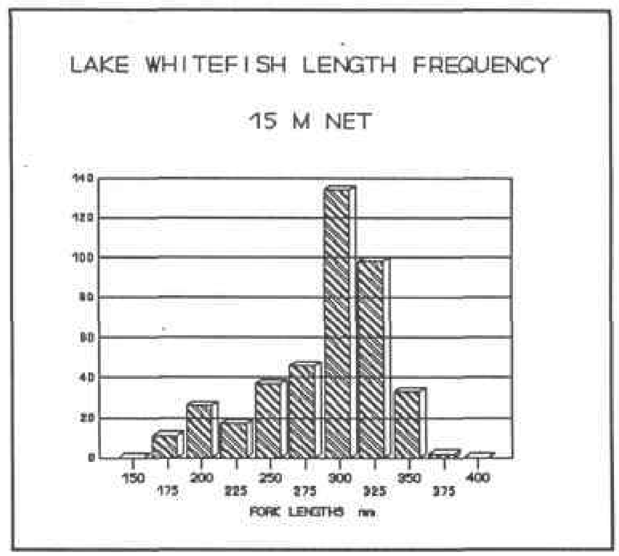

Figure 25

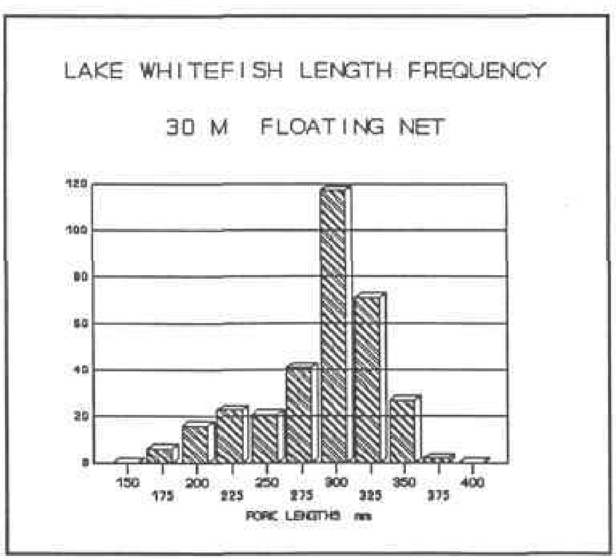

Figure 26

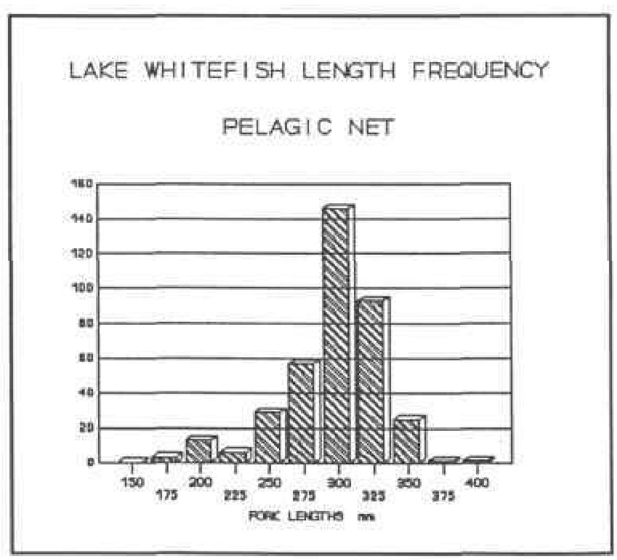

Figure 27

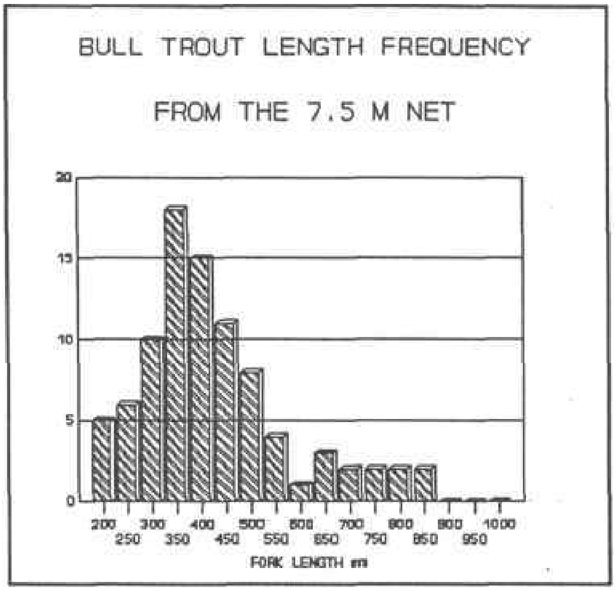

Figure 28

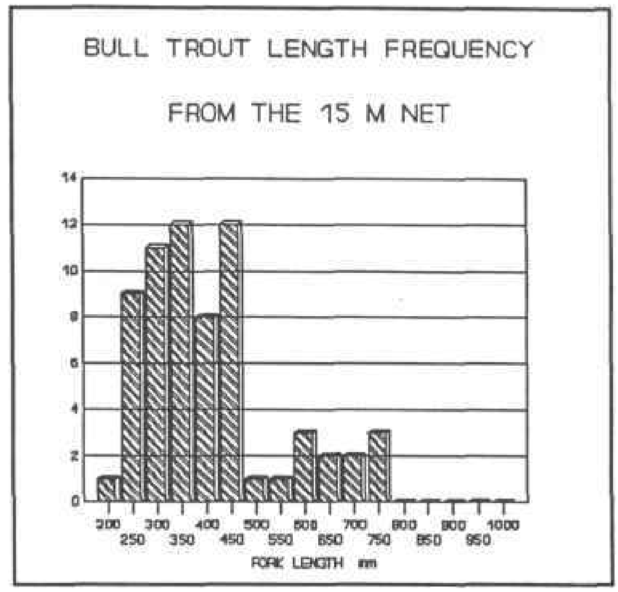

Figure 29

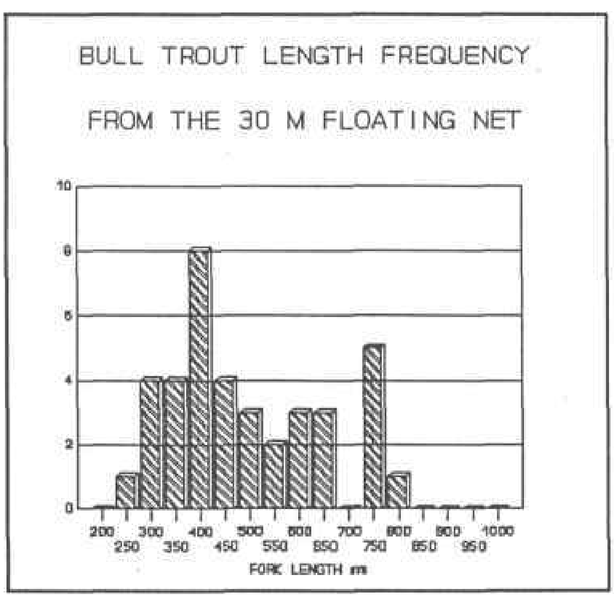

Figure 30

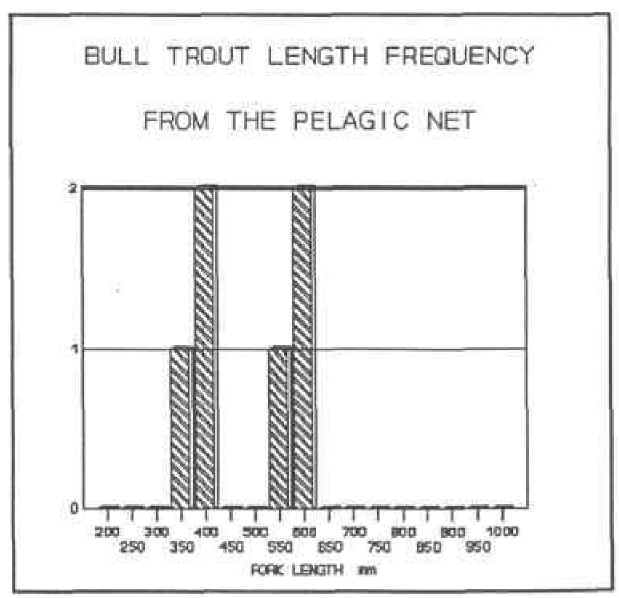

Figure 31

Age Class Distribution

Age class structures were similar to those found in 1974-5 for lake whitefish and rainbow trout with 3 year old fish dominating the population. There was a dramatic difference in the whitefish population structure between the reaches. In the Parsnip reach 59% of the fish captured were in the 1 + and 2 + age classes, and only 13 and 19 percent of the fish from the Peace and Finlay Reaches were that age (Figs 32-34).

The age class distribution from the 1988 studies were similar to those found in the 1974-5 studies however from the appearance of the growth slope of these fish (Figs 30 & 36), there is very little growth after three years of age (approx 300 mm).

Recent studies on age determinations (Beamish and McFarlane 1987) indicate that fish that have extended periods of no or reduced growth will have little or no scale growth and that serious underestimates of age can occur when scales are used for aging. This was found to hold true for lake whitefish (Mills and Beamish 1980, Barnes and Power 1984) where considerable discrepancies occurred in age 4 and 5 year old fish.

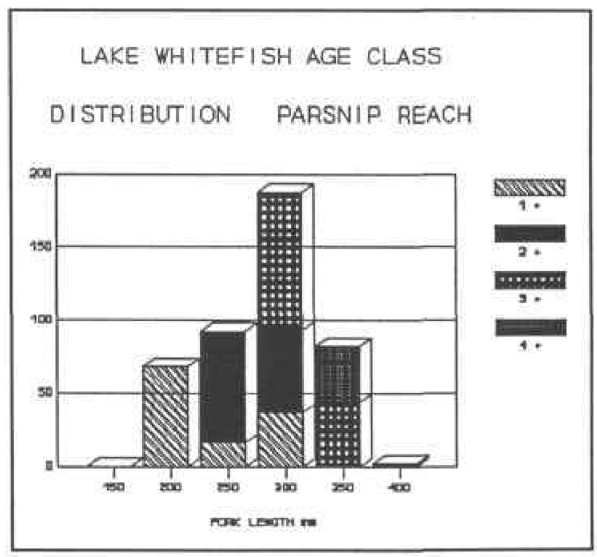

Figure 32

Bull trout populations were found to be composed of much older individuals than in 1974-5.

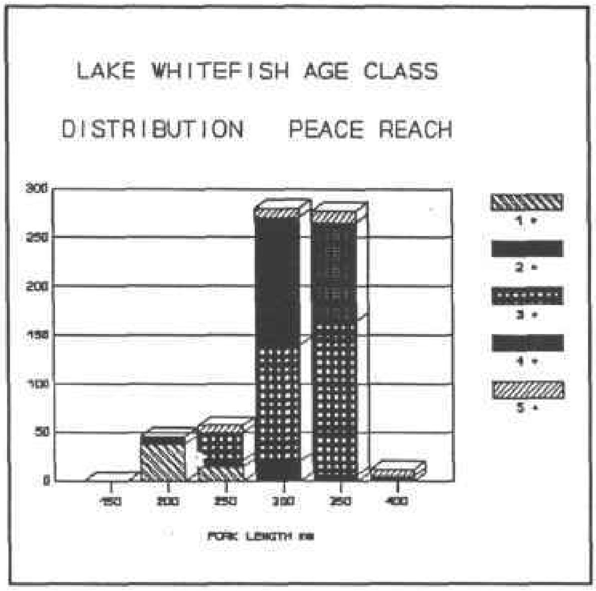

Figure 33

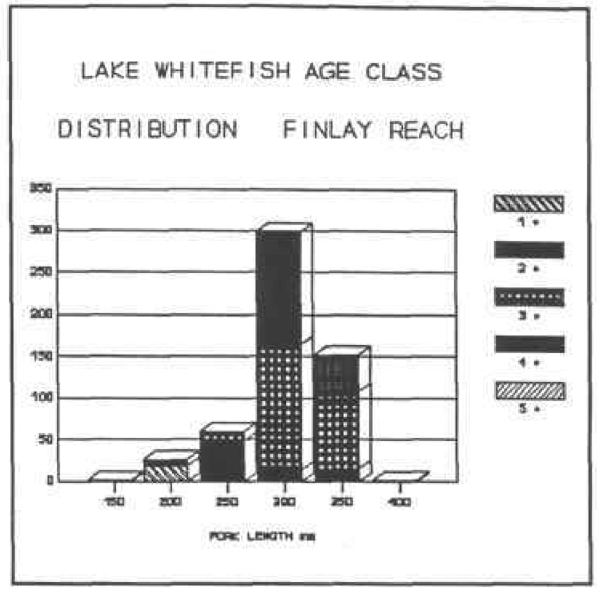

Figure 34

POTENTIAL FOR A COMMERCIAL LAKE WHITEFISH FISHERY

There has been an interest in promoting a commercial fishery for lake whitefish on Williston lake ever since the studies were conducted in 1974-5. As suggested in the introduction, fish populations in a new reservoir show tremendous increases in the first few years after flooding and then numbers decline and eventually stabilize. This appears to be what has happened in Williston Reservoir, there has been a significant change in the size of the whitefish, since the 1974-5 studies. The average fork length of the three year old whitefish is now approximately 50 mm less and the four and five year old fish are nearly 100 mm smaller. The minimum size of whitefish for the commercial market is 450 gms dressed weight (small). The average size of the whitefish from Williston lake in 1988 was only 239 gms and very few individuals exceeded 400 gms (Fig 36). This small size precludes any possibility of marketing Williston Reservoir whitefish.

The raw data from the 1988 netting studies were given to Mr. K. Zelt, Head of the Commercial Fisheries Branch in Alberta. He suggested that a commercial fishery was not feasible because of the small size of the fish and that there could possibly be serious problems with impacts on the sports species of the lake. As well he suggested that the small size of the fish could quite possibly be that result of a lack of benthic invertebrates.

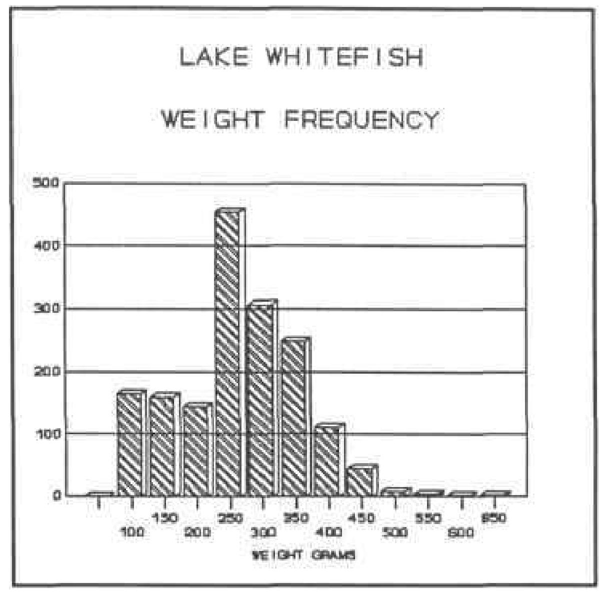

Figure 35

Similar studies and proposals were made for Smallwood Reservoir (Bruce 1984) in Western Labrador where the estimated yield was 2.85 kg/ha as opposed to 1.9 kg/ha for Williston (Barrett and Halsey 1985). The fishery in Labrador failed because of no market for the fish (John Pippy Director F.W. Fisheries NFLD pers comm). Studies have been conducted on other lakes near Williston (Ellickson and Larkin 1969) and the conclusions were that neither Francois nor Uncha Lake (Fig 36) were capable of maintaining an extensive fishery and the other lakes had less potential.

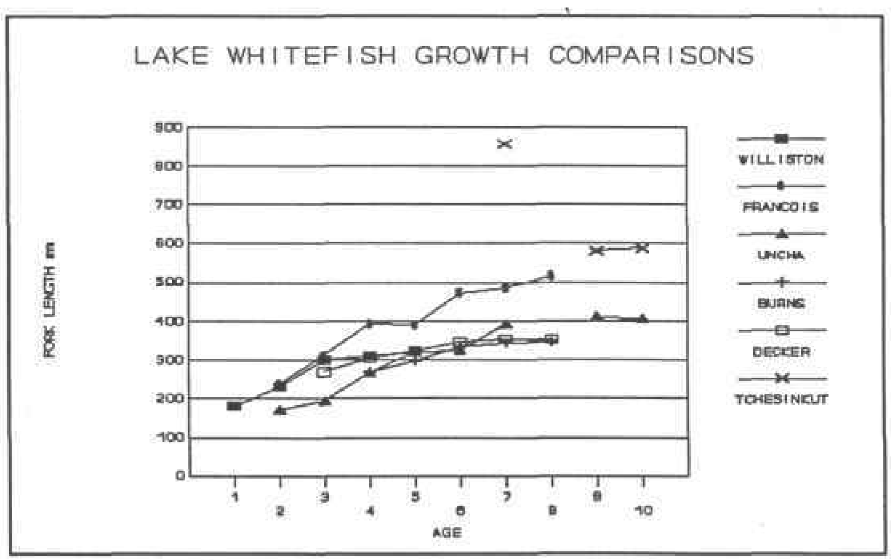

Figure 36

Bull Trout (Dolly Varden)

Bull trout have become the dominant sports species, increasing in relative abundance from 11% of the total sports catch in 1974-5 to 42% (Figs 18 & 19) in 1988. This species is most predominant in the Finlay Reach where it constituted 50% of the sports catch. There appears to be little difference in the size and growth rates of the fish in comparison to the 1974-5 studies (Fig 20). However the age class distribution has shifted to the older age classes. This may be due to the young "age" of the reservoir during the earlier studies. This may not give a true picture of the population, in that areas with heavy angler pressure may have reductions in the older age classes because of over harvesting.

The majority (78%) of the fish were captured in the inshore nets (7.5 & 15 m), (Figs 28-31) but the fish captured in the offshore nets (30m 19% & pelagic 3%) were on average larger (Appendix ID.

Analysis of stomach contents indicates that the fish fed almost exclusively on lake whitefish (only one peamouth chub was found).

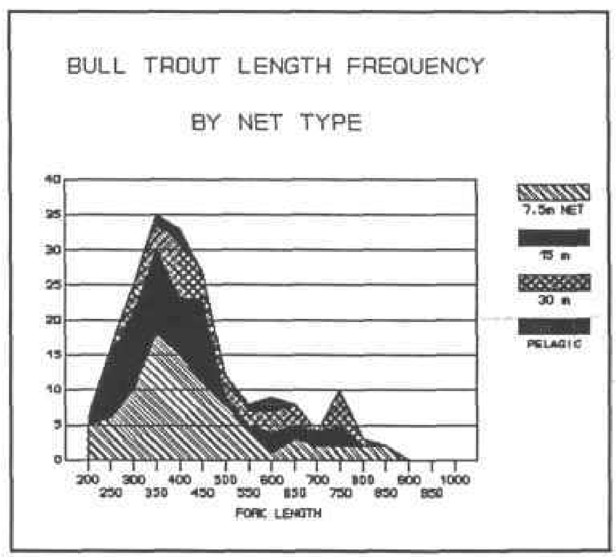

Figure 37

Examinations of the sexual maturity of the fish indicated that most are alternate year spawners and that 73% of the fish that could be sexed were female. This was more pronounced during the fall when 86% were female.

Rainbow Trout

The relative abundance of rainbow trout has declined from 7.6% of the fish captured to 3.0% (Figs 16 & 17). Forty seven percent of the rainbow were captured in the Parsnip Reach and the trout comprised 63% of the total number of sports fish captured there. The majority (60%) of the trout were captured in the 30m floating net and 64% of the total were captured in the spring.

There appears to be no change in the size, growth rates or age class distribution since the 1974-5 studies (Fig 21).

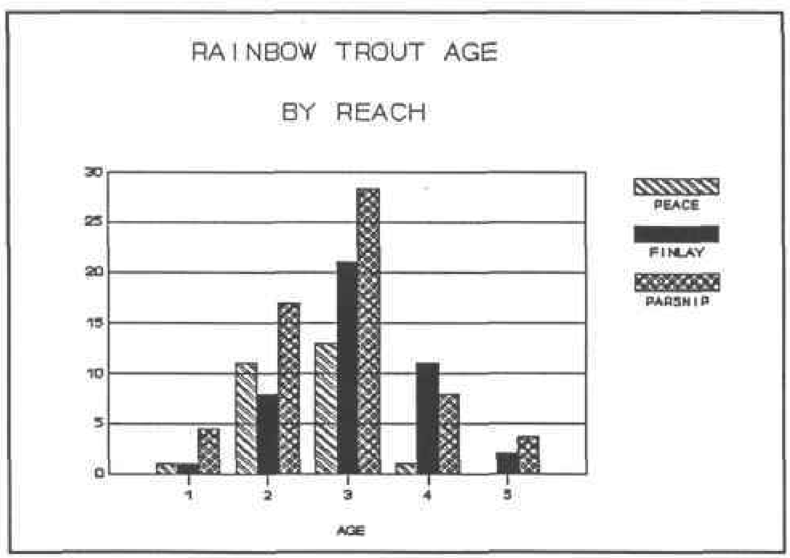

Figure 38

The sex ratios of the Rainbow trout were similar to those of the Bull trout in that 70% of the fish captured were female and this increased to 80% during the fall netting.

Kokanee

Kokanee have become widely distributed and more numerous since the earlier studies. They constitute 2.3% of the total catch, a dramatic increase from 0.07% in 1974-5. Kokanee are most predominant in the Peace (49%) and Finlay (48%) reaches but very scarce in the Parsnip (3%). Most of the kokanee were captured in the 30 m floating net (76%).

Scale samples indicate that most fish spawn at the end of their 3rd summer although some males may spawn at 2 +. The three year old fish average 283 mm f.l. and may weigh up to 380 gms. The average condition factor was 1.32 much higher than any other sports species.

Kokanee are well suited to the lake and will probably continue to increase. The only factor that may be slowing the expansion of the population would be reproductive potential (400 eggs/female), suitable spawning habitat in some areas and possibly competition for food from lake whitefish.

Arctic Grayling

Arctic grayling have all but disappeared from the lake during the last few years. There are probably populations remaining in some of the larger tributary streams, but these fish are thought to exist independent of the reservoir.

Mountain Whitefish

Mountain whitefish have suffered a similar fate as the grayling. They have gone from 12% of the total catch to 0.5%. However, large schools of this species were observed in the mouths of numerous streams. Mountain whitefish populations will probably remain strong in the tributary streams and embayments but they are unsuited for the lake environment and numbers will stay at a low level.

Lake Trout

Lake trout were reported in the watershed before the construction of the dam (Withler 1959) but during the 1974-5 studies none were captured. A total of four lake trout were captured during the 1988 studies. These fish ranged in size from 390 mm to 490 mm F.L. and weighed 520-1160 gms. The average condition factor was 1.12 (omitting one fish from Heather point which appeared to be very unhealthy) second only to kokanee and higher than both rainbow trout and Bull trout.

This species should do very well in the lake but reproduction will be severely restricted because of the lake drawdown in winter and there could be potential mercury problems. The potential harvest from the Peace Reach is estimated at 9500 kg/yr (but this would require an extensive stocking program.

Lake Whitefish

The population of lake whitefish utilizing the Parsnip Reach appears to have declined while the whitefish of the Finlay Reach have increased in relative abundance. The whitefish from the Parsnip Reach were on average smaller but this is because of the predominance of younger year classes. During late October large numbers of whitefish were observed moving into the Parsnip Reach presumably prior to spawning in the Parsnip River.

The lake whitefish utilizing the pelagic zone of the lake appear to be a distinct group in that the fish captured there were longer and had lower condition factors and had much lower variability that the fish captured in the inshore nets.

Lake whitefish will continue to be the dominant species in the lake for quite some time. However the maximum size of the fish will remain small because of the lac of benthic invertebrates and the limited ability of the larger fish to utilize plankton as a food source. Similar patterns were found in reservoirs in Labrador where whitefish populations exploded during the early stages of the reservoirs and then were reduced in size and numbers as the system aged (Bruce 1984).

Peamouth Chub

The peamouth chub population has dramatically increased since 1974-5 (8.7 to 24.0%). This species will probably continue to increase and has replaced whitefish as the most numerous species in the lower Parsnip Reach. It is unknown at the present time why the Bull trout population has not taken advantage of this abundant food source.

MANAGEMENT IMPLICATIONS

The primary food source in this lake is and will continue to be plankton, therefore and enhancement should concentrate on plankton feeders or species that will feed on the plankton feeders.

Bull trout are now the predominant sports species and although the population has shown an increase, numbers are low in areas with heavy angling pressure. This species is basically a slow growing, late maturing fish that concentrates near the stream mouths. In order to prevent overfishing, river mouth fisheries may have to be restricted. Another option would be to reduce pressure on these areas by creating additional fisheries. The obvious choice would be to bring in Gerrard rainbow trout a pelagic predator well suited to feeding on fish similar in size to the lake whitefish and an excellent game fish.

The native stocks of rainbow trout have seriously declined in recent years. This is not surprising as the species is not particularly suited for this environment. Insufficient food and egg mortalities in the lower reaches of the rivers will continue to depress this stock. However those fish that have survived have similar growth rates and age class structures to the fish from the 1974-5 studies. This may mean that the decline may be in part due to a decline in the quantity of habitat available rather that the quality ie. shallow embayments and river mouths are still "good" areas but the open lake is no longer suitable. Enhancement of the native stocks should therefore be restricted to specific fisheries, (i.e. Dunlevy) until alternate fisheries can be established.

Kokanee appear to be the most suitable species for the lake. All fish captured showed excellent growth and condition factors. It appears that the population is increasing, but is probably limited by reproductive capacity and by limited suitable spawning habitat in many areas.

Lake trout may have some potential in this lake but stocking and potential mercury problems will have to be investigated.

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APPENDIX I

WILLISTON GILL NET SAMPLING TIMES

SPRING

REACH	STATION	NET	SET TIME hrs/mo,day	PULL TIME hrs/mo,day	HOURS FISHING
P	Forebay	7.5m sink	1950/07,03	1230/07,04	17.25
E		15 m sink	1945/07,03	1400/07,04	18.50
A		30 m float	2000/ 07,03	*	
C		pelagic	2030/07,03	1415/07,04	17.75
E	Clearwater				
	River	7.5 m sink	1145/06,22	0900/06,23	21.25
		15 m sink	1730/06,22	**	
		30 m float	1900/06,22	0930/06,23	14.50
		pelagic	1700/06,22	0830/06,23	15.50
F	Teare	7.5 m sink	1900/06,26	1630/06,27	20.50
I	Creek	15 m sink	1830/06,26	1445/06,27	20.25
N		30 m float	1800/06,26	1700/06,27	23.00
L	***	pelagic	1730/06,26	1730/06,27	24.00
A					
Y	Factor	7.5 m sink	1600/06,25	0930/06,26	17.50
	Ross +	15 m float	1730/06,25	1045/06,26	17.25
	Creek	30 m float	1800/06,25	1145/06,26	17.75
		pelagic	1930/06/25	1230/06,26	17.00
P	Heather	7.5 sink	2245/07,02	1330/07,03	14.75
A	Point	15 m sink	2215/07,02	1245/07,03	14.50
R		30 m float	2130/07,02	1300/07,03	15.50
S		pelagic	2100/07,02	1400/07,03	17.00
	Blackwater	7.5 m sink	1530/06,29	1630/07,01	49.00
	Creek	15 m sink	1500/06,29	1430/07,01	47.50
	++	30 m float	1345/06,29	1130/07,01	46.50
		pelagic	1300/06,29	1845/07,01	53.75

* presumed stolen

** lost (snagged on bottom)

*** additional 50'X 8' horizontal floating panel with 2" mesh attached to pelagic net.

\+ 15.0 m floating net set due to unsuitable bottom

++ winds prevented access on June 30.

APPENDIX I (cont)

SUMMER

REACH	STATION	NET	SET TIME hrs/mo,day	PULL TIME hrs/mo,day	HOURS FISHING
P A R S N I P	Heather Point	7.5 m sink	2100/08,10	1000/08,11	13.00
		15 m sink	1000/08,11	1600/08,12	30.00
		30 m float	2000/08,10	1100/08,11	15.00
	*	30 m sink	1200/08,11	1700/08,12	29.00
P E A C E	Forebay	7.5 m sink	1400/08,15	0830/08,16	18.50
		15 m sink	1500/08,15	1030/08,16	19.50
		30 m float	1430/08,15	0930/08,16	19.00
	**	pelagic	1530/08,15	1200/08,16	20.50
	Clearwater River	7.5 m sink	1600/08,17	1430/08,18	22.50
		15 m sink	1730/08,17	1500/08,18	21.50
		30 m float	1645/08,17	1530/08,18	22.75
		pelagic	1830/08,17	1130/08,18	17.00

* no pelagic net was available

** pelagic net sunk during the night (fish near bottom for part of set time

No other nets were set because of boat problems

<u>FALL</u>

REACH	STATION	NET	SET TIME hrs/mo,day	PULL TIME hrs/mo,day	HOURS FISHING
P	Forebay	7.5 m sink	1130/09,28	1045/09,29	23.25
E		15 m sink	1100/09,28	1130/09,29	24.50
A		30 m float	2000/09,27	1600/09,28	20.00
C		pelagic	1900/09.27	1230/09,28	17.50
E					
	Clearwater	7.5 m sink	1400/09,30	1300/10,01	23.00
		15 m sink	1430/09,30	1230/10,01	22.00
		30 m float	1600/09,30	1145/10,01	19.75
		pelagic	1500/09,30	1100/10,01	20.00
F	Teare	7.5 m sink	1530/10,04	1300/10,05	21.50
I	Creek	15 m sink	1600/10,04	1200/10,05	20.00
N		30 m float	1630/10,04	0945/10,05	17.25
L		pelagic	1730/10,04	0900/10,05	15.50
A					
Y	Factor	7.5 m sink	1700/10,07	0930/10,08	16.50
	Ross	15 m sink	1930/10,07	1000/10,08	14.50
	Creek	30 m float	2045/10,06	0930/10,07	12.75
		pelagic	1945/10,06	1000/10,07	14.25
P	Heather	7.5 m sink	1630/10,13	1400/10,14	21.50
A	Point	15 m sink	1230/10,14	1200/10,15	23.50
R		30 m float	1700/10/13	1330/10,14	20.50
S	*	30 m sink	1730/10/13	1300/10,14	19.50
N		pelagic	1200/10/14	1100/10,15	23.00
I					
P	Blackwater	7.5 m sink	1130/10,17	1200/10,18	23.50
	Creek	15 m sink	1600/10,16	1200/10,17	20.00
		30 m float	1100/10,17	1130/10,18	24.50
	*	60 m sink	1630/10,16	1100/10,18	19.50
		pelagic	1230/10,16	1230/10,17	24.00

* additional sets

APPENDIX II

Williston Lake - 1988 Gill Netting Studies

BULL TROUT

	TOTAL	SPRING	FALL
Number	195	97	84
Mean F.L.	455.24	410.47	420.38
Std	134.74	140.13	151.20
Number	190	97	84
Mean Wt.	1041.7	1031.6	1129.8
Std	1342.6	1343.3	1387.5

	BLWR	CLWR	FORE	FRCR	HEFT	TRCR
Mean F.L.	455.24	335.27	377.82	388.90	307.14	461.80
Std	134.74	105.71	131.14	150.67	62.97	141.80
Number	29	45	11	30	14	64
Mean Wt.	1488.60	488.78	728.18	968.43	302.86	1354.70
Std	1804.20	533.88	931.70	1289.20	209.78	1377.60
Number	29	45	11	30	14	64

	7.5 m	15.0 m	30.0 m	Pelagic
Mean F.L.	386.40	383.55	476.37	454.25
Std	129.49	134.88	155.86	101.36
Number	84	65	38	4
Mean Wt.	857.26	858.92	1543.10	1045
Std	1241.70	1095.10	1610.30	688.49

RAINBOW TROUT

	TOTAL	SPRING	FALL
Number	133	85	37
Mean F.L.	308.96	306.82	301.24
Std	49.81	41.25	37
Number	133	78	34
Mean Wt.	344.71	322.16	335.51
Std	171.58	126.46	162.15

	BLWR	CLWR	FORE	FRCR	HEPT	TRCR
Mean F.L.	313.42	304.26	285.5	322.63	286.47	301.9
Std	57.856	27.704	29.675	44.078	47.893	51.55
Number	48	19	6	32	15	12
Mean Wt.	358.6	309.5	213.33	363.1	374.64	333.7
Std	144.5	88.514	78.245	139.76	104.55	146.5
Number	43	20	6	30	14	12

	7.5 m	15.0 m	30.0 m	Pelagic
Mean F.L.	320.17	314.83	300.81	0
Std	51.979	31.317	46.255	
Number	20	23	76	0
Mean Wt.	398.5	352.61	314.87	
Std	148.26	102.02	137.1	

LAKE WHITEFISH

	TOTAL	SPRING	FALL
Mean F.L.	278.93	252.23	277.72
Std	42.336	87.545	41.353
Number	1633	551	909
Mean Wt.	238.79	236.97	233.78
Std	87.823	84.068	98.925
Number	874	421	233

	BLWR	CLWR	FRCR	TRCR	FORE	HEPT
Mean F.L.	292.56	246.23	278.91	279.94	282.94	219.7
Std	45.162	80.599	34.219	41.86	42.746	96.40
Number	367	329	185	356	306	147
Mean Wt.	248.02	222.6	239.74	231.03	255.7	198.0
Std	81.065	98.963	70.783	81.414	95.148	95.88
Number	250	86	97	209	185	57

	7.5 m	15.0 m	30.0 m	Pelagic
Mean F.L.	261.67	274.48	264.03	292.1
Std	72.121	59.537	76.759	29.754
Number	422	375	355	260
Mean Wt.	213.13	250.46	238.54	249.2
Std	107.51	99.586	72.739	64.224
Number	174	208	274	143

APPENDIX III

GILL NETTING DATA FISH SAMPLES

KEY

Species Code	
RT	rainbow trout
DV	bull trout
LT	lake trout
AG	Arctic grayling
MW	mountain whitefish
LW	lake whitefish
K	kokanee
LNS	longnose sucker
WS	white sucker
LSS	largescale sucker
LING	burbot
NSF	northern squawfish
PM	peamouth chub
RSS	redside shiner

Sex/cod

male	female	description
99		immature
01	11	immature will not spawn this season
02	12	maturity questionable
03	13	has not spawned before but will spawn this season
04	14	developing,fish has spawned before and will spawn this season
05	15	developing fish has spawned before but will not spawn this season
06	16	developing when can't determine if 04,05 or 06
07	17	gravid
08	17	ripe
09	19	spent

AGE y/md age in years/ method sc= scale sample ot= otolith

CM capture method GN= gill net, AN = angling

MESH SIZE gill net mesh size in mm

CAPT SITE capture site CLWR = Clearwater, BLWR = Blackwater, KEPT = Heather Point, FORE = Forebay, FRCK = Factor Ross, TRCR = Teare Creek

X net used 4 = 7.5 m sinking, 5 = 15 m sinking, 6 = 30 m floating
7 = spring pelagic nets , 9 = pelagic

P preservation code 5 = tissue samples taken

SPRING 88 NETTING DATA

NET1

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX COD	AGE ,y	md	C M	,MESH SIZE	DATE DY MO YR	CAPT SITE	X	P
0	DV	875	6776				C	0	02 07 88	WICR		6
1	LW	205	90	01	1	SC	G	38	23 06 88	CLWR	4	
2	LW	187	60		1	SC	G	38	23 06 88	CLWR	4	
3	LW	175	60		1	SC	G	38	23 06 88	CLWR	4	
4	LW	252	160	01	3	SC	G	38	23 06 88	CLWR	4	
5	LW	195	60	02			G	38	23 06 88	CLWR	4	
6	LW	175	50				G	38	23 06 88	CLWR	4	
7	PM	198	80				G	38	23 06 88	CLWR	6	
7	LW	215	100	01	1	SC	G	38	23 06 88	CLWR	4	
8	LW	195	70				G	38	23 06 88	CLWR	4	
9	LW	187	60				G	38	23 06 88	CLWR	4	
10	LW	190	70				G	38	23 06 88	CLWR	4	
11	LW	191	80				G	38	23 06 88	CLWR	4	
12	LW	180	60				G	38	23 06 88	CLWR	4	
13	LW	180	50				G	38	23 06 88	CLWR	4	
14	LW	190	60				G	38	23 06 88	CLWR	4	
15	LW	185	60				G	38	23 06 88	CLWR	4	
16	LW	192	70				G	38	23 06 88	CLWR	4	
17	LW	197	60				G	38	23 06 88	CLWR	4	
18	LW	182	60				G	38	23 06 88	CLWR	4	
19	LW	191	70				G	38	23 06 88	CLWR	4	
20	LW	180	60				G	38	23 06 88	CLWR	4	
21	LW	212	90				G	38	23 06 88	CLWR	4	
22	LW	185	60				G	38	23 06 88	CLWR	4	
23	LW	190	60				G	38	23 06 88	CLWR	4	
24	LNS	370	540	06			G	38	23 06 88	CLWR	4	
25	LNS	280	260	06			G	38	23 06 88	CLWR	4	
26	LNS	340	440	16			G	38	23 06 88	CLWR	4	
27	LNS	365	530	16			G	38	23 06 88	CLWR	4	
28	LNS	410	630	17			G	38	23 06 88	CLWR	4	
29	DV	232	110	99	4	OT	G	38	23 06 88	CLWR	4	
30	DV	250	140	99	5	OT	G	38	23 06 88	CLWR	4	
31	DV	200	80	99	4	OT	G	38	23 06 88	CLWR	4	
32	DV	200	70	99	4	OT	G	38	23 06 88	CLWR	4	
33	LT	490	1160	16	6	OT	G	38	23 06 88	CLWR	4	
34	PM	176	60	99			G	38	23 06 88	CLWR	4	
35	PM	174	60	01			G	38	23 06 88	CLWR	4	
36	PM	210	110	17			G	38	23 06 88	CLWR	4	
37	PM	198	100	01			G	38	23 06 88	CLWR	4	
38	PM	193	80	17			G	38	23 06 88	CLWR	4	
39	PM	208	100	06			G	38	23 06 88	CLWR	4	
40	PM	185	60	99			G	38	23 06 88	CLWR	4	
41	PM	188	70	99			G	38	23 06 88	CLWR	4	
42	PM	200	90	06			G	38	23 06 88	CLWR	4	
43	PM	180	60	99			G	38	23 06 88	CLWR	4	
44	PM	209	100	99			G	38	23 06 88	CLWR	4	
45	PM	205	100	99			G	38	23 06 88	CLWR	4	
46	PM	188	80	01			G	38	23 06 88	CLWR	4	
47	PM	202	80	01			G	38	23 06 88	CLWR	4	
48	PM	205	100	06			G	38	23 06 88	CLWR	4	
49	PM	196	80	06			G	38	23 06 88	CLWR	4	
50	PM	173	0				G	38	23 06 88	CLWR	4	
51	PM	186	0				G	38	23 06 88	CLWR	5	
52	PM	200	0				G	38	23 06 88	CLWR	5	
53	PM	187	0				G	38	23 06 88	CLWR	5	
54	PM	178	0				G	38	23 06 88	CLWR	5	
55	PM	200	0				G	38	23 06 88	CLWR	5	
56	PM	178	0				G	38	23 06 88	CLWR	5	
57	PM	192	0				G	38	23 06 88	CLWR	5	
58	PM	195	0				G	38	23 06 88	CLWR	5	

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX COD	AGE ,y	md	C M	,MESH ,SIZ	DATE DY MO YR	CAPT SITE	X	P
347	LNS	0	0				G	75	02 07 88	HEPT	4	
348	LNS	0	0				G	75	02 07 88	HEPT	4	
349	LNS	0	0				G	75	02 07 88	HEPT	4	
350	LNS	0	0				G	75	02 07 88	HEPT	4	
351	LNS	0	0				G	75	02 07 88	HEPT	4	
352	LNS	0	0				G	75	02 07 88	HEPT	4	
353	LNS	0	0				G	75	02 07 88	HEPT	4	
354	LSS	0	0				G	75	02 07 88	HEPT	4	
355	LSS	0	0				G	75	02 07 88	HEPT	4	
356	LSS	0	0				G	75	02 07 88	HEPT	4	
357	LSS	0	0				G	75	02 07 88	HEPT	4	
358	LSS	0	0				G	75	02 07 88	HEPT	4	
359	WS	0	0				G	75	02 07 88	HEPT	4	
360	LW	0	0				G	50	01 07 88	BLWR	4	
361	LW	0	0				G	50	01 07 88	BLWR	4	
362	LW	0	0				G	50	01 07 88	BLWR	4	
363	LW	0	0				G	50	01 07 88	BLWR	4	
364	LW	0	0				G	50	01 07 88	BLWR	4	
365	LW	0	0				G	50	01 07 88	BLWR	4	
366	LW	0	0				G	50	01 07 88	BLWR	4	
367	LW	0	0				G	50	01 07 88	BLWR	4	
368	LW	0	0				G	50	01 07 88	BLWR	4	
369	LW	0	0				G	50	01 07 88	BLWR	4	
370	LW	0	0				G	50	01 07 88	BLWR	4	
371	LW	0	559				G	50	01 07 88	BLWR	4	
372	LW	0	0				G	50	01 07 88	BLWR	4	
373	LNS	0	0				G	50	01 07 88	BLWR	4	
374	LSS	0	0				G	50	01 07 88	BLWR	4	
375	LSS	0	0				G	50	01 07 88	BLWR	4	
376	LSS	0	0				G	50	01 07 88	BLWR	4	
377	LSS	0	0				G	50	01 07 88	BLWR	4	
378	LSS	0	0				G	63	01 07 88	BLWR	4	
379	LNS	0	0				G	63	01 07 88	BLWR	4	
380	LW	0	0				G	63	01 07 88	BLWR	4	
381	LW	0	0				G	63	01 07 88	BLWR	4	
382	LW	0	0				G	63	01 07 88	BLWR	4	
383	LW	0	0				G	63	01 07 88	BLWR	4	
384	PM	0	0				G	38	01 07 88	BLWR	4	
385	PM	0	0				G	38	01 07 88	BLWR	4	
386	PM	0	0				G	38	01 07 88	BLWR	4	
387	PM	0	0				G	38	01 07 88	BLWR	4	
388	PM	0	0				G	38	01 07 88	BLWR	4	
389	PM	0	0				G	38	01 07 88	BLWR	4	
390	PM	0	0				G	38	01 07 88	BLWR	4	
391	PM	0	0				G	38	01 07 88	BLWR	4	
392	PM	0	0				G	38	01 07 88	BLWR	4	
393	PM	0	0				G	38	01 07 88	BLWR	4	
394	PM	0	0				G	38	01 07 88	BLWR	4	
395	PM	0	0				G	38	01 07 88	BLWR	4	
396	PM	0	0				G	38	01 07 88	BLWR	4	
397	PM	0	0				G	38	01 07 88	BLWR	4	
398	PM	0	0				G	38	01 07 88	BLWR	4	
399	PM	0	0				G	38	01 07 88	BLWR	4	
400	LW	285	265	16	3	SC	G	50	26 06 88	FRCR	5	
401	LW	266	200	16	4	SC	G	50	26 06 88	FRCR	5	
402	LW	290	270	16	3	SC	G	50	26 06 88	FRCR	5	
403	LW	308	230	16			G	50	26 06 88	FRCR	5	
404	LW	257	190	11	3	SC	G	50	26 06 88	FRCR	5	
405	LW	270	220	16	4	SC	G	50	26 06 88	FRCR	5	
406	LW	275	240	16	4	SC	G	50	26 06 88	FRCR	5	

SPRING 88 NETTING DATA

NET1

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX COD	AGE ,y	md	C M	,MESH SIZE	DY	MO	YR	CAPT SITE	X P
59	PM	170	0				G	38	23	06	88	CLWR	5
60	PM	172	0				G	38	23	06	88	CLWR	5
61	PM	205	0				G	38	23	06	88	CLWR	5
62	PM	202	0				G	38	23	06	88	CLWR	5
63	PM	158	0				G	38	23	06	88	CLWR	5
64	PM	185	0				G	38	23	06	88	CLWR	5
65	PM	163	0				G	38	23	06	88	CLWR	5
66	PM	165	0				G	38	23	06	88	CLWR	5
67	PM	177	0				G	38	23	06	88	CLWR	5
68	PM	209	0				G	38	23	06	88	CLWR	5
69	PM	190	0				G	38	23	06	88	CLWR	5
70	PM	186	0				G	38	23	06	88	CLWR	5
71	PM	200	0				G	38	23	06	88	CLWR	5
72	PM	172	0				G	38	23	06	88	CLWR	5
73	PM	170	0				G	38	23	06	88	CLWR	5
74	PM	192	0				G	38	23	06	88	CLWR	5
75	PM	190	0				G	38	23	06	88	CLWR	5
76	PM	201	0				G	38	23	06	88	CLWR	4
77	PM	168	0				G	38	23	06	88	CLWR	4
78	PM	158	40	99			G	38	23	06	88	CLWR	4
79	PM	215	0				G	38	23	06	88	CLWR	4
80	PM	210	0				G	38	23	06	88	CLWR	4
81	PM	179	0				G	38	23	06	88	CLWR	4
82	PM	210	0				G	38	23	06	88	CLWR	4
83	PM	217	0				G	38	23	06	88	CLWR	4
84	PM	175	0				G	38	23	06	88	CLWR	4
85	LSS	333	460	06		SC	G	75	23	06	88	CLWR	4
86	LNS	400	620	16			G	75	23	06	88	CLWR	4
87	LNS	372	620	16			G	75	23	06	88	CLWR	4
88	LNS	365	540	16			G	75	23	06	88	CLWR	4
89	LNS	365	530	06			G	75	23	06	88	CLWR	4
90	LNS	323	430	06			G	75	23	06	88	CLWR	4
91	LNS	375	650	16			G	75	23	06	88	CLWR	4
92	LNS	338	510	16			G	75	23	06	88	CLWR	4
93	LNS	378	620	16			G	75	23	06	88	CLWR	4
94	NSF	345	450	11		SC	G	75	23	06	88	CLWR	4
95	DV	190	80	99	4	OT	G	75	23	06	88	CLWR	4
96	PM	217	100				G	38	23	06	88	CLWR	6
98	PM	190	100				G	38	23	06	88	CLWR	6
99	PM	185	80				G	38	23	06	88	CLWR	6
100	PM	166	60				G	38	23	06	88	CLWR	6
101	MW	236	150	99		SC	G	38	23	06	88	CLWR	6
102	LW	160	50	99			G	38	23	06	88	CLWR	6
103	LW	200	100	01			G	38	23	06	88	CLWR	6
104	LW	240	160	01			G	38	23	06	88	CLWR	6
105	DV	375	480	16		OT	G	38	23	06	88	CLWR	6
106	RT	230	140	11		SC	G	38	23	06	88	CLWR	6
107	LW	293	270	16			G	63	23	06	88	CLWR	6
108	LW	275	230	16			G	63	23	06	88	CLWR	6
109	LW	268	200	16			G	63	23	06	88	CLWR	6
110	LW	325	330	06			G	63	23	06	88	CLWR	6
111	LW	284	270	06			G	63	23	06	88	CLWR	6
112	DV	335	350	01		OT	G	63	23	06	88	CLWR	6
113	DV	350	370	11	8	OT	G	63	23	06	88	CLWR	6
114	DV	590	2000	06	8	OT	G	63	23	06	88	CLWR	6
115	LW	280	250	11			G	50	23	06	88	CLWR	6
116	LW	275	230	11			G	50	23	06	88	CLWR	6
117	LW	300	260	01			G	50	23	06	88	CLWR	6
118	LW	280	240	16			G	50	23	06	88	CLWR	6
119	LW	275	240	01			G	50	23	06	88	CLWR	6

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX COD	AGE ,y	md	C M	,MESH SIZ	DY	MO	YR	CAPT SITE	X P
407	LW	327	330	16	4	SC	G	50	26	06	88	FRCR	5
408	K	290	310	99	3	SC	G	50	26	06	88	FRCR	5
409	RT	329	290	11	3	SC	G	50	26	06	88	FRCR	5
410	RT	312	330	16	3	SC	G	50	26	06	88	FRCR	5
411	RT	321	380	11	3	SC	G	50	26	06	88	FRCR	5
412	RT	369	530	11	5	SC	G	50	26	06	88	FRCR	5
413	RT	275	250	01	2	SC	G	50	26	06	88	FRCR	5
414	RT	318	340	16	4	SC	G	50	26	06	88	FRCR	5
415	RT	367	480	19	4	SC	G	125	26	06	88	FRCR	5
416	RT	274	225	01	3	SC	G	125	26	06	88	FRCR	5
417	LW	272	240	16	4	SC	G	63	26	06	88	FRCR	5
418	LW	303	270	06	3	SC	G	63	26	06	88	FRCR	5
419	LW	295	260	06	3	SC	G	63	26	06	88	FRCR	5
420	LW	287	255	06	4	SC	G	63	26	06	88	FRCR	5
421	K	280	290	06	3	SC	G	63	26	06	88	FRCR	5
422	PM	0	0				G	38	02	07	88	HEPT	6
422	DV	377	470	16	5	OT	G	63	26	06	88	FRCR	5
423	DV	330	350	16	7	OT	G	63	26	06	88	FRCR	5
424	LNS	361	600	17		SC	G	75	26	06	88	FRCR	5
425	LNS	361	580	06		SC	G	75	26	06	88	FRCR	5
426	LNS	360	540	19		SC	G	75	26	06	88	FRCR	5
427	LNS	332	380	17		SC	G	75	26	06	88	FRCR	5
428	NSF	400	760	16		SC	G	75	26	06	88	FRCR	5
429	RT	363	520	16	4	SC	G	100	26	06	88	FRCR	5
430	LNS	302	305	99		SC	G	38	26	06	88	FRCR	5
431	LNS	344	460	06		SC	G	38	26	06	88	FRCR	5
432	LNS	187	90	99		SC	G	38	26	06	88	FRCR	5
433	LW	315	330	16	4	SC	G	63	26	06	88	FRCR	6
434	LW	331	310	16	4	SC	G	63	26	06	88	FRCR	6
435	LW	302	290	99			G	63	26	06	88	FRCR	6
436	LW	308	300	16			G	63	26	06	88	FRCR	6
437	LW	335	300	16	4	SC	G	63	26	06	88	FRCR	6
438	LW	316	300	16			G	63	26	06	88	FRCR	6
439	LW	307	250	16			G	63	26	06	88	FRCR	6
440	LW	291	260	16			G	63	26	06	88	FRCR	6
441	LW	290	250	06			G	63	26	06	88	FRCR	6
442	LW	283	220	06			G	63	26	06	88	FRCR	6
443	RT	372	445	16	4	SC	G	63	26	06	88	FRCR	6
444	RT	390	720	09	4	SC	G	63	26	06	88	FRCR	6
445	RT	311	325	16	3	SC	G	63	26	06	88	FRCR	6
446	RT	314	340	16	3	SC	G	63	26	06	88	FRCR	6
447	RT	309	320	16	3	SC	G	63	26	06	88	FRCR	6
448	LW	328	380	16	4	SC	G	50	26	06	88	FRCR	6
449	LW	283	230	16			G	50	26	06	88	FRCR	6
450	LW	301	270	16			G	50	26	06	88	FRCR	6
451	LW	310	270	16			G	50	26	06	88	FRCR	6
452	LW	305	265	16			G	50	26	06	88	FRCR	6
453	LW	266	210	16			G	50	26	06	88	FRCR	6
454	LW	268	205	06			G	50	26	06	88	FRCR	6
455	LW	313	285	16			G	50	26	06	88	FRCR	6
456	LW	333	250	16			G	50	26	06	88	FRCR	6
457	LW	305	270	16			G	50	26	06	88	FRCR	6
458	LW	267	200	06			G	50	26	06	88	FRCR	6
459	LW	282	0	16			G	50	26	06	88	FRCR	6
460	LW	316	0	16			G	50	26	06	88	FRCR	6
461	LW	312	0	16			G	50	26	06	88	FRCR	6
462	LW	325	0	06			G	50	26	06	88	FRCR	6
463	LW	272	0	16			G	50	26	06	88	FRCR	6
464	LW	280	0	06			G	50	26	06	88	FRCR	6
465	LW	223	0	11			G	50	26	06	88	FRCR	6

SPRING 88 NETTING DATA

NET1

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX COD	AGE ,y	md	C M	,MESH SIZE	DATE DY	MO	YR	CAPT SITE	X P
120	LW	270	240	16			G	50	23	06	88	CLWR	6
121	LW	290	270	06			G	50	23	06	88	CLWR	6
122	LW	280	260	16			G	50	23	06	88	CLWR	6
123	LW	277	230	16			G	50	23	06	88	CLWR	6
124	LW	260	200	01			G	50	23	06	88	CLWR	6
125	LW	237	140	11			G	50	23	06	88	CLWR	6
126	LW	282	250	01			G	50	23	06	88	CLWR	6
127	LW	327	270	11			G	50	23	06	88	CLWR	6
128	LW	285	280	16			G	50	23	06	88	CLWR	6
129	LW	229	130	01			G	50	23	06	88	CLWR	6
130	RT	302	310	99	3	SC	G	50	23	06	88	CLWR	6
131	RT	285	300	06	3	SC	G	50	23	06	88	CLWR	6
132	RT	273	250	01	2	SC	G	50	23	06	88	CLWR	6
133	RT	295	300	16	2	SC	G	100	23	06	88	CLWR	6
134	LNS	318	380	06			G	125	23	06	88	CLWR	4
135	LNS	270	260	06			G	125	23	06	88	CLWR	4
136	LNS	385	490	99			G	50	23	06	88	CLWR	4
137	LNS	390	610	02			G	50	23	06	88	CLWR	4
138	LNS	380	580	16			G	50	23	06	88	CLWR	4
139	LNS	340	520	16			G	50	23	06	88	CLWR	4
140	LNS	390	600	16			G	50	23	06	88	CLWR	4
141	LNS	285	350	06			G	50	23	06	88	CLWR	4
142	LNS	362	620	16			G	50	23	06	88	CLWR	4
143	LNS	375	700	17			G	50	23	06	88	CLWR	4
144	LNS	382	590	16			G	50	23	06	88	CLWR	4
145	LNS	370	550	17			G	50	23	06	88	CLWR	4
146	PM	205	110	17			G	50	23	06	88	CLWR	4
147	PM	220	130	17			G	50	23	06	88	CLWR	4
148	PM	217	120	17			G	50	23	06	88	CLWR	4
149	PM	250	170	17			G	50	23	06	88	CLWR	4
150	LING	333	170	06	8	OT	G	50	23	06	88	CLWR	4
151	DV	256	160	99		OT	G	50	23	06	88	CLWR	4
152	DV	310	330	11	6	OT	G	50	23	06	88	CLWR	4
153	DV	298	240	99	7	OT	G	50	23	06	88	CLWR	4
154	DV	503	1340	16	8	OT	G	50	23	06	88	CLWR	4
155	LW	320	290	06	1	SC	G	50	23	06	88	CLWR	4
156	LW	228	110	99	2	SC	G	50	23	06	88	CLWR	4
157	LW	320	350	06	4	SC	G	50	23	06	88	CLWR	4
158	LW	245	150	99	3	SC	G	50	23	06	88	CLWR	4
159	LW	315	340	16	4	SC	G	50	23	06	88	CLWR	4
160	LW	262	200	01	4	SC	G	50	23	06	88	CLWR	4
161	LW	288	260	01	4	SC	G	50	23	06	88	CLWR	4
162	LW	280	260	16			G	50	23	06	88	CLWR	4
163	LW	285	215	16			G	50	23	06	88	CLWR	4
164	LW	298	260	16			G	50	23	06	88	CLWR	4
165	LW	282	230	06			G	50	23	06	88	CLWR	4
166	LW	280	270	06			G	50	23	06	88	CLWR	4
167	LW	274	250	16			G	50	23	06	88	CLWR	4
168	LW	270	210	16			G	50	23	06	88	CLWR	4
169	LW	310	270	16			G	50	23	06	88	CLWR	4
170	LW	310	250	16			G	50	23	06	88	CLWR	4
171	LW	315	300	16			G	50	23	06	88	CLWR	4
172	LW	274	210	16			G	50	23	06	88	CLWR	4
173	LNS	395	800	16			G	100	23	06	88	CLWR	4
174	LNS	400	840	16			G	100	23	06	88	CLWR	4
175	LNS	415	890	16			G	100	23	06	88	CLWR	4
176	LSS	450	950	99		SC	G	100	23	06	88	CLWR	4
177	LW	227	120	02			G	100	23	06	88	CLWR	4
178	LW	290	260	16			G	100	23	06	88	CLWR	4
179	DV	420	650	16	5	OT	G	100	23	06	88	CLWR	4

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX COD	AGE ,y	md	C M	,MESH ,SIZ	DATE DY	MO	YR	CAPT SITE	X P
466	LW	242	0	06			G	50	26	06	88	FRCR	6
467	LW	291	0	16			G	50	26	06	88	FRCR	6
468	K	254	220	16	3	SC	G	50	26	06	88	FRCR	6
469	K	246	190	16	3	SC	G	50	26	06	88	FRCR	6
470	RT	332	370	19	3	SC	G	50	26	06	88	FRCR	6
471	RT	340	420	01	3	SC	G	50	26	06	88	FRCR	6
472	RT	241	160	99	2	SC	G	50	26	06	88	FRCR	6
473	RT	249	165	16	3	SC	G	50	26	06	88	FRCR	6
474	DV	376	500	16	5	OT	G	50	26	06	88	FRCR	6
475	DV	300	220	01	6	OT	G	50	26	06	88	FRCR	6
476	DV	259	160	99	6	OT	G	50	26	06	88	FRCR	6
477	DV	598	2480	06	9	OT	G	50	26	06	88	FRCR	6
478	K	253	220	16	3	SC	G	50	26	06	88	FRCR	6
479	RT	353	525	16	3	SC	G	75	26	06	88	FRCR	6
480	RT	340	400	01	4	SC	G	75	26	06	88	FRCR	6
481	RT	360	0	16	4	SC	G	38	26	06	88	FRCR	6
482	RT	335	0	16	3	SC	G	38	26	06	88	FRCR	6
483	RT	290	260	16	3	SC	G	38	26	06	88	FRCR	6
484	RT	300	290	19	3	SC	G	38	26	06	88	FRCR	6
485	RT	263	200	99	3	SC	G	38	26	06	88	FRCR	6
486	RT	232	150	99	2	SC	G	38	26	06	88	FRCR	6
487	DV	351	390	01	10	OT	G	38	26	06	88	FRCR	6
488	DV	226	105	99	5	OT	G	38	26	06	88	FRCR	6
489	LW	233	0				G	38	26	06	88	FRCR	6
490	PM	203	0				G	38	26	06	88	FRCR	6
491	PM	192	0				G	38	26	06	88	FRCR	6
492	PM	175	0				G	38	26	06	88	FRCR	6
493	PM	205	0				G	38	26	06	88	FRCR	6
494	PM	181	0				G	38	26	06	88	FRCR	6
495	PM	186	0				G	38	26	06	88	FRCR	6
496	PM	197	0				G	38	26	06	88	FRCR	6
497	PM	191	0				G	38	26	06	88	FRCR	6
498	PM	198	0				G	38	26	06	88	FRCR	6
499	PM	192	0				G	38	26	06	88	FRCR	6
500	PM	177	0				G	38	26	06	88	FRCR	6
501	PM	156	0				G	38	26	06	88	FRCR	6
502	PM	185	0				G	38	26	06	88	FRCR	6
503	PM	176	0				G	38	26	06	88	FRCR	6
504	PM	203	0				G	38	26	06	88	FRCR	6
505	PM	190	0				G	38	26	06	88	FRCR	6
506	PM	205	0				G	38	26	06	88	FRCR	6
507	PM	0	0				G	38	26	06	88	FRCR	6
508	PM	0	0				G	38	26	06	88	FRCR	6
509	PM	0	0				G	38	26	06	88	FRCR	6
510	PM	0	0				G	38	26	06	88	FRCR	6
511	PM	0	0				G	38	26	06	88	FRCR	6
512	PM	0	0				G	38	26	06	88	FRCR	6
513	LW	187	70		2	SC	G	38	26	06	88	FRCR	6
514	LW	191	80		2	SC	G	38	26	06	88	FRCR	6
515	LW	184	0				G	38	26	06	88	FRCR	6
516	LW	169	0				G	38	26	06	88	FRCR	6
517	LW	197	0				G	38	26	06	88	FRCR	6
518	LW	174	55		2	SC	G	38	26	06	88	FRCR	6
519	LW	172	0				G	38	26	06	88	FRCR	6
520	WS	352	490				G	63	26	06	88	FRCR	4
521	LW	331	270	11			G	63	26	06	88	FRCR	4
522	LNS	362	560	16			G	63	26	06	88	FRCR	4
523	LING	451	445	99	8	OT	G	63	26	06	88	FRCR	4
524	DV	609	2950	16	9	OT	G	125	26	06	88	FRCR	4
525	LW	330	360	06	4	SC	G	125	26	06	88	FRCR	4

SPRING 88 NETTING DATA

NET1

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX COD	AGE ,y	md	C M	,MESH SIZE	DATE DY	MO	YR	CAPT SITE	X P
180	LNS	400	700	16			G	63	23	06	88	CLWR	4
181	LNS	392	690	06			G	63	23	06	88	CLWR	4
182	LNS	410	780	06			G	63	23	06	88	CLWR	4
183	LNS	370	590	06			G	63	23	06	88	CLWR	4
184	NSF	338	500	06		SC	G	63	23	06	88	CLWR	4
185	AG	360	500	06			G	63	23	06	88	CLWR	4
186	LW	315	300	01	3	SC	G	63	23	06	88	CLWR	4
187	LW	315	320	01	4	SC	G	63	23	06	88	CLWR	4
188	LW	336	360	16	4	SC	G	63	23	06	88	CLWR	4
189	LW	260	230	16	3	SC	G	63	23	06	88	CLWR	4
190	LW	345	320	01	4	SC	G	63	23	06	88	CLWR	4
191	LW	330	330	16	3	SC	G	63	23	06	88	CLWR	4
192	LW	325	340	16			G	63	23	06	88	CLWR	4
193	LW	320	280	01			G	63	23	06	88	CLWR	4
194	LW	320	310	16			G	63	23	06	88	CLWR	4
195	LW	312	300	16			G	63	23	06	88	CLWR	4
196	LW	274	220	01			G	63	23	06	88	CLWR	4
197	LW	323	300	16			G	63	23	06	88	CLWR	4
198	LW	320	300	16			G	63	23	06	88	CLWR	4
199	LW	320	270	16			G	63	23	06	88	CLWR	4
200	LW	270	220	06			G	63	23	06	88	CLWR	4
201	LW	345	310	11			G	63	23	06	88	CLWR	4
202	LW	330	310	06			G	63	23	06	88	CLWR	4
203	LW	282	220	01			G	63	23	06	88	CLWR	4
204	LW	335	320	06			G	63	23	06	88	CLWR	4
205	LW	320	320	16			G	63	23	06	88	CLWR	4
206	LW	273	220	06			G	63	23	06	88	CLWR	4
207	LW	340	350	16			G	63	23	06	88	CLWR	4
208	LW	310	300	16			G	63	23	06	88	CLWR	4
209	LW	310	280	16			G	63	23	06	88	CLWR	4
210	DV	325	300	11	9	OT	G	63	23	06	88	CLWR	4
211	DV	310	290	11	7	OT	G	63	23	06	88	CLWR	4
212	DV	410	580	16	8	OT	G	63	23	06	88	CLWR	4
213	DV	360	460	16	7	OT	G	63	23	06	88	CLWR	4
214	PM	210	100	99			G	63	23	06	88	CLWR	4
215	PM	180	60	99			G	63	23	06	88	CLWR	4
216	PM	202	90	99			G	63	23	06	88	CLWR	4
217	PM	170	50	99			G	63	23	06	88	CLWR	4
218	PM	200	90	06			G	63	23	06	88	CLWR	4
219	PM	205	110	17			G	63	23	06	88	CLWR	4
220	PM	175	60	99			G	63	23	06	88	CLWR	4
221	PM	176	60	99			G	63	23	06	88	CLWR	4
222	PM	182	0				G	63	23	06	88	CLWR	4
223	PM	175	0				G	63	23	06	88	CLWR	4
224	PM	167	0				G	63	23	06	88	CLWR	4
225	PM	188	0				G	63	23	06	88	CLWR	4
226	PM	184	0				G	63	23	06	88	CLWR	4
227	PM	178	0				G	63	23	06	88	CLWR	4
228	PM	187	0				G	63	23	06	88	CLWR	4
229	PM	173	0				G	63	23	06	88	CLWR	4
230	PM	190	0				G	63	23	06	88	CLWR	4
231	PM	173	0				G	63	23	06	88	CLWR	4
232	PM	180	0				G	63	23	06	88	CLWR	4
233	PM	174	0				G	63	23	06	88	CLWR	4
234	LNS	367	560	16			G	75	23	06	88	CLWR	6
235	LNS	350	490	06			G	75	23	06	88	CLWR	6
236	LW	330	340	16			G	75	23	06	88	CLWR	6
237	LW	340	320	11			G	75	23	06	88	CLWR	6
238	LW	320	340	11			G	75	23	06	88	CLWR	6
239	LW	355	390	06			G	75	23	06	88	CLWR	6

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX COD	AGE ,y	md	C M	,MESH ,SIZ	DATE DY	MO	YR	CAPT SITE	X P
526	LW	326	320	99			G	125	26	06	88	FRCR	4
527	LW	318	340	06			G	125	26	06	88	FRCR	4
528	LW	310	260	16			G	125	26	06	88	FRCR	4
529	LING	456	670	99	7	OT	G	75	26	06	88	FRCR	4
530	PM	194	0				G	38	26	06	88	FRCR	4
531	PM	201	0				G	38	26	06	88	FRCR	4
532	PM	183	0				G	38	26	06	88	FRCR	4
533	PM	184	0				G	38	26	06	88	FRCR	4
534	PM	198	0				G	38	26	06	88	FRCR	4
535	PM	197	0				G	38	26	06	88	FRCR	4
536	PM	195	0				G	38	26	06	88	FRCR	4
537	PM	212	0				G	38	26	06	88	FRCR	4
538	PM	200	0				G	38	26	06	88	FRCR	4
539	PM	196	0				G	38	26	06	88	FRCR	4
540	PM	182	0				G	38	26	06	88	FRCR	4
541	PM	206	0				G	38	26	06	88	FRCR	4
542	PM	183	0				G	38	26	06	88	FRCR	4
543	PM	210	0				G	38	26	06	88	FRCR	4
544	PM	200	0				G	38	26	06	88	FRCR	4
545	PM	199	0				G	38	26	06	88	FRCR	4
546	PM	200	0				G	38	26	06	88	FRCR	4
547	PM	179	0				G	38	26	06	88	FRCR	4
548	PM	203	0				G	38	26	06	88	FRCR	4
549	PM	182	0				G	38	26	06	88	FRCR	4
550	PM	204	0				G	38	26	06	88	FRCR	4
551	PM	220	0				G	38	26	06	88	FRCR	4
552	PM	213	0				G	38	26	06	88	FRCR	4
553	PM	190	0				G	38	26	06	88	FRCR	4
554	PM	207	0				G	38	26	06	88	FRCR	4
555	PM	178	0				G	38	26	06	88	FRCR	4
556	PM	182	0				G	38	26	06	88	FRCR	4
557	PM	195	0				G	38	26	06	88	FRCR	4
558	LW	189	0				G	38	26	06	88	FRCR	4
559	PM	0	0				G	38	26	06	88	FRCR	4
560	PM	0	0				G	38	26	06	88	FRCR	4
561	LNS	283	0				G	38	26	06	88	FRCR	4
562	LNS	164	0				G	38	26	06	88	FRCR	4
563	DV	272	200				G	38	26	06	88	FRCR	4
564	DV	253	0				G	38	26	06	88	FRCR	4
565	DV	210	0				G	38	26	06	88	FRCR	4
566	LNS	380	0				G	63	26	06	88	FRCR	4
567	LNS	297	0				G	63	26	06	88	FRCR	4
568	LNS	301	0				G	63	26	06	88	FRCR	4
569	LNS	298	0				G	63	26	06	88	FRCR	4
570	LNS	284	0				G	63	26	06	88	FRCR	4
571	LNS	277	0				G	63	26	06	88	FRCR	4
572	LNS	260	0				G	63	26	06	88	FRCR	4
573	LNS	282	0				G	63	26	06	88	FRCR	4
574	LNS	287	0				G	63	26	06	88	FRCR	4
575	LNS	293	0				G	63	26	06	88	FRCR	4
576	LNS	300	0				G	63	26	06	88	FRCR	4
577	LNS	272	0				G	63	26	06	88	FRCR	4
578	LNS	382	0				G	63	26	06	88	FRCR	4
579	LNS	271	0				G	63	26	06	88	FRCR	4
580	LNS	256	0				G	63	26	06	88	FRCR	4
581	LNS	274	0				G	63	26	06	88	FRCR	4
582	LNS	325	0				G	125	26	06	88	FRCR	4
583	LNS	297	0				G	125	26	06	88	FRCR	4
584	LNS	232	0				G	125	26	06	88	FRCR	4
585	LNS	259	0				G	125	26	06	88	FRCR	4

SPRING 88 NETTING DATA

NET1

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX COD	AGE ,y	md	C M	,MESH SIZE	DATE DY	MO	YR	CAPT SITE	X	P
240	LW	333	320	06			G	75	23	06	88	CLWR	6	
241	DV	387	500	16			G	75	23	06	88	CLWR	6	
242	LW	298	260	06			G	63	23	06	88	CLWR	6	
243	LW	202	250	16			G	63	23	06	88	CLWR	6	
244	LW	295	220	16			G	63	23	06	88	CLWR	6	
245	PM	0	0				G	38	02	07	88	HEPT	4	
246	PM	0	0				G	38	02	07	88	HEPT	4	
247	PM	0	0				G	38	02	07	88	HEPT	4	
248	PM	0	0				G	38	02	07	88	HEPT	4	
249	PM	0	0				G	38	02	07	88	HEPT	4	
250	PM	0	0				G	38	02	07	88	HEPT	4	
251	PM	0	0				G	38	02	07	88	HEPT	4	
252	PM	0	0				G	38	02	07	88	HEPT	4	
253	PM	0	0				G	38	02	07	88	HEPT	4	
254	PM	0	0				G	38	02	07	88	HEPT	4	
255	PM	0	0				G	38	02	07	88	HEPT	4	
256	PM	0	0				G	38	02	07	88	HEPT	4	
257	PM	0	0				G	38	02	07	88	HEPT	4	
258	PM	0	0				G	38	02	07	88	HEPT	4	
259	PM	0	0				G	38	02	07	88	HEPT	4	
260	PM	0	0				G	38	02	07	88	HEPT	4	
261	PM	0	0				G	38	02	07	88	HEPT	4	
262	PM	0	0				G	38	02	07	88	HEPT	4	
263	PM	0	0				G	38	02	07	88	HEPT	4	
264	PM	0	0				G	38	02	07	88	HEPT	4	
265	PM	0	0				G	38	02	07	88	HEPT	4	
266	PM	0	0				G	38	02	07	88	HEPT	4	
267	PM	0	0				G	38	02	07	88	HEPT	4	
268	PM	0	0				G	38	02	07	88	HEPT	4	
269	PM	0	0				G	38	02	07	88	HEPT	4	
270	PM	0	0				G	38	02	07	88	HEPT	4	
271	PM	0	0				G	38	02	07	88	HEPT	4	
272	PM	0	0				G	38	02	07	88	HEPT	4	
273	PM	0	0				G	38	02	07	88	HEPT	4	
274	PM	0	0				G	38	02	07	88	HEPT	4	
275	PM	0	0				G	38	02	07	88	HEPT	4	
276	PM	0	0				G	38	02	07	88	HEPT	4	
277	PM	0	0				G	38	02	07	88	HEPT	4	
278	PM	0	0				G	38	02	07	88	HEPT	4	
279	PM	0	0				G	38	02	07	88	HEPT	4	
280	PM	0	0				G	38	02	07	88	HEPT	4	
281	PM	0	0				G	38	02	07	88	HEPT	4	
282	PM	0	0				G	38	02	07	88	HEPT	4	
283	PM	0	0				G	38	02	07	88	HEPT	4	
284	PM	0	0				G	38	02	07	88	HEPT	4	
285	PM	0	0				G	38	02	07	88	HEPT	4	
286	PM	0	0				G	38	02	07	88	HEPT	4	
287	PM	0	0				G	38	02	07	88	HEPT	4	
288	PM	0	0				G	38	02	07	88	HEPT	4	
289	PM	0	0				G	38	02	07	88	HEPT	4	
290	PM	0	0				G	38	02	07	88	HEPT	4	
291	PM	0	0				G	38	02	07	88	HEPT	4	
292	PM	0	0				G	38	02	07	88	HEPT	4	
293	PM	0	0				G	38	02	07	88	HEPT	4	
294	PM	0	0				G	38	02	07	88	HEPT	4	
295	PM	0	0				G	38	02	07	88	HEPT	4	
296	PM	0	0				G	38	02	07	88	HEPT	4	
297	PM	0	0				G	38	02	07	88	HEPT	4	
298	PM	0	0				G	38	02	07	88	HEPT	4	
299	PM	0	0				G	38	02	07	88	HEPT	4	

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX COD	AGE ,y	md	C M	,MESH ,SIZ	DATE DY	MO	YR	CAPT SITE	X	P
586	LNS	265	0				G	125	26	06	88	FRCR	4	
587	LNS	220	0				G	125	26	06	88	FRCR	4	
588	LNS	211	0				G	125	26	06	88	FRCR	4	
589	LNS	213	0				G	125	26	06	88	FRCR	4	
590	LNS	225	0				G	125	26	06	88	FRCR	4	
591	LNS	372	0				G	75	26	06	88	FRCR	4	
592	LNS	370	0				G	75	26	06	88	FRCR	4	
593	LNS	349	0				G	75	26	06	88	FRCR	4	
594	LNS	313	0				G	75	26	06	88	FRCR	4	
595	LNS	321	0				G	75	26	06	88	FRCR	4	
596	LNS	320	0				G	75	26	06	88	FRCR	4	
597	LNS	355	0				G	75	26	06	88	FRCR	4	
598	DV	350	400	01	6	OT	G	63	27	06	88	TRCR	5	
599	DV	416	640	16	6	OT	G	63	27	06	88	TRCR	5	5
600	DV	325	300	11	6	OT	G	63	27	06	88	TRCR	5	
601	DV	575	2000	16	9	OT	G	63	27	06	88	TRCR	5	5
602	AG	304	330	16		SC	G	63	27	06	88	TRCR	5	5
603	RT	340	450	06	4	SC	G	63	27	06	88	TRCR	5	
604	RT	342	450	16	4	SC	G	63	27	06	88	TRCR	5	
605	LW	315	270	16			G	63	27	06	88	TRCR	5	
606	LW	294	270	06			G	63	27	06	88	TRCR	5	
607	LW	281	240	06			G	63	27	06	88	TRCR	5	
608	LW	290	260	06			G	63	27	06	88	TRCR	5	
609	LW	310	300	06			G	63	27	06	88	TRCR	5	
610	LW	298	270	16			G	63	27	06	88	TRCR	5	
611	LW	308	250	16			G	63	27	06	88	TRCR	5	
612	LW	295	280	06			G	63	27	06	88	TRCR	5	
613	LW	325	330	06	4	SC	G	63	27	06	88	TRCR	5	
614	LNS	277	270				G	63	27	06	88	TRCR	5	
615	LW	316	280	16			G	63	27	06	88	TRCR	5	
616	PM	136	0				G	63	27	06	88	TRCR	5	
617	DV	620	2300	16	7	OT	G	125	27	06	88	TRCR	5	5
618	DV	569	2200	06	7	OT	G	125	27	06	88	TRCR	5	5
619	DV	692	3700	06	10	OT	G	75	27	06	88	TRCR	5	5
620	DV	565	1950	16	11	OT	G	75	27	06	88	TRCR	5	5
621	DV	404	600	11	7	OT	G	75	27	06	88	TRCR	5	
622	DV	415	640	01	9	OT	G	75	27	06	88	TRCR	5	
623	DV	425	660	16	9	OT	G	75	27	06	88	TRCR	5	
624	DV	430	760	11	7	OT	G	75	27	06	88	TRCR	5	
625	DV	473	980	06	9	OT	G	75	27	06	88	TRCR	5	
626	RT	359	470	16	4	SC	G	75	27	06	88	TRCR	5	
627	LW	300	290	06			G	75	27	06	88	TRCR	5	
628	LW	322	370	06			G	75	27	06	88	TRCR	5	
629	LW	320	340	06			G	75	27	06	88	TRCR	5	
630	LW	297	280	06			G	75	27	06	88	TRCR	5	
631	PM	190	70				G	75	27	06	88	TRCR	5	
632	LNS	365	740				G	75	27	06	88	TRCR	5	
633	LNS	346	520				G	75	27	06	88	TRCR	5	
634	LNS	350	560				G	75	27	06	88	TRCR	5	
635	LNS	323	410				G	75	27	06	88	TRCR	5	
636	DV	712	4650	06	12	OT	G	100	27	06	88	TRCR	5	5
637	DV	432	800	16	7	OT	G	100	27	06	88	TRCR	5	
638	DV	610	2900	16	10	OT	G	38	27	06	88	TRCR	5	5
639	DV	412	670	16	8	OT	G	38	27	06	88	TRCR	5	
640	PM	203	80				G	38	27	06	88	TRCR	5	
641	LW	228	120				G	38	27	06	88	TRCR	5	
642	LW	195	80				G	38	27	06	88	TRCR	5	
643	LW	278	230	16			G	38	27	06	88	TRCR	5	
644	LW	233	130				G	38	27	06	88	TRCR	5	
645	LW	210	100				G	38	27	06	88	TRCR	5	

SPRING 88 NETTING DATA

NET1

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX COD	AGE ,y	md	C M	,MESH SIZE	DATE DY	MO	YR	CAPT SITE	X P
300	PM	0	0				G	38	02	07	88	HEPT	4
301	PM	0	0				G	38	02	07	88	HEPT	4
302	PM	0	0				G	38	02	07	88	HEPT	4
303	PM	0	0				G	38	02	07	88	HEPT	4
304	PM	0	0				G	38	02	07	88	HEPT	4
305	PM	0	0				G	38	02	07	88	HEPT	4
306	PM	0	0				G	38	02	07	88	HEPT	4
307	PM	0	0				G	38	02	07	88	HEPT	4
308	PM	0	0				G	38	02	07	88	HEPT	4
309	LNS	0	0				G	38	02	07	88	HEPT	4
310	LNS	0	0				G	38	02	07	88	HEPT	4
311	LNS	0	0				G	38	02	07	88	HEPT	4
312	LNS	0	0				G	38	02	07	88	HEPT	4
313	LNS	0	0				G	50	02	07	88	HEPT	4
314	LNS	0	0				G	50	02	07	88	HEPT	4
315	LNS	0	0				G	50	02	07	88	HEPT	4
316	LNS	0	0				G	50	02	07	88	HEPT	4
317	LNS	0	0				G	50	02	07	88	HEPT	4
318	LNS	0	0				G	50	02	07	88	HEPT	4
319	LNS	0	0				G	50	02	07	88	HEPT	4
320	LNS	0	0				G	50	02	07	88	HEPT	4
321	LNS	0	0				G	50	02	07	88	HEPT	4
322	LNS	0	0				G	50	02	07	88	HEPT	4
323	LNS	0	0				G	50	02	07	88	HEPT	4
324	LNS	0	0				G	63	02	07	88	HEPT	4
325	LNS	0	0				G	63	02	07	88	HEPT	4
326	LNS	0	0				G	63	02	07	88	HEPT	4
327	LNS	0	0				G	63	02	07	88	HEPT	4
328	LNS	0	0				G	63	02	07	88	HEPT	4
329	LNS	0	0				G	63	02	07	88	HEPT	4
330	LNS	0	0				G	63	02	07	88	HEPT	4
331	LNS	0	0				G	63	02	07	88	HEPT	4
332	LNS	0	0				G	63	02	07	88	HEPT	4
333	LNS	0	0				G	63	02	07	88	HEPT	4
334	LNS	0	0				G	63	02	07	88	HEPT	4
335	LNS	0	0				G	63	02	07	88	HEPT	4
336	LSS	0	0				G	63	02	07	88	HEPT	4
337	LSS	0	0				G	63	02	07	88	HEPT	4
338	LSS	0	0				G	63	02	07	88	HEPT	4
339	LSS	0	0				G	63	02	07	88	HEPT	4
340	LSS	0	0				G	63	02	07	88	HEPT	4
341	WS	0	0				G	63	02	07	88	HEPT	4
342	WS	0	0				G	63	02	07	88	HEPT	4
343	WS	0	0				G	63	02	07	88	HEPT	4
344	WS	0	0				G	63	02	07	88	HEPT	4
345	WS	0	0				G	63	02	07	88	HEPT	4
346	LNS	0	0				G	75	02	07	88	HEPT	4

W

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX COD	AGE ,y	md	C M	,SIZ	DATE DY	MO	YR	CAPT SITE	X P
646	LW	183	50				G	38	27	06	88	TRCR	5
647	LW	0	0				G	38	27	06	88	TRCR	5
648	LW	230	110				G	38	27	06	88	TRCR	5
649	LW	170	50				G	38	27	06	88	TRCR	5
650	LW	322	310	16			G	38	27	06	88	TRCR	5
651	LW	274	250	06			G	38	27	06	88	TRCR	5
652	LW	188	70				G	38	27	06	88	TRCR	5
653	DV	312	270	99	5	OT	G	50	27	06	88	TRCR	5
654	DV	284	210	01	7	OT	G	50	27	06	88	TRCR	5
655	DV	257	160				G	50	27	06	88	TRCR	5
656	DV	328	320	16	9	OT	G	50	27	06	88	TRCR	5
657	DV	365	450	16	6	OT	G	50	27	06	88	TRCR	5
658	DV	390	550	06	8	OT	G	50	27	06	88	TRCR	5
659	DV	365	460	16			G	50	27	06	88	TRCR	5
660	DV	376	430				G	50	27	06	88	TRCR	5
661	DV	340	360	01			G	50	27	06	88	TRCR	5
662	LNS	355	510				G	50	27	06	88	TRCR	5
663	LNS	372	670				G	50	27	06	88	TRCR	5
664	LNS	288	280				G	50	27	06	88	TRCR	5
665	LNS	352	510				G	50	27	06	88	TRCR	5
666	LNS	306	350				G	50	27	06	88	TRCR	5
667	LNS	232	150				G	50	27	06	88	TRCR	5
668	LNS	243	200				G	50	27	06	88	TRCR	5
669	LW	261	200	06			G	50	27	06	88	TRCR	5
670	LW	277	210	16			G	50	27	06	88	TRCR	5
671	LW	227	110	99			G	50	27	06	88	TRCR	5
672	LW	270	230	06			G	50	27	06	88	TRCR	5
673	LW	302	300	16			G	50	27	06	88	TRCR	5
674	LW	287	240	16			G	50	27	06	88	TRCR	5
675	LW	260	190	99			G	50	27	06	88	TRCR	5
676	LW	325	290	06			G	50	27	06	88	TRCR	5
677	LW	311	300	06			G	50	27	06	88	TRCR	5
678	LW	232	130	99			G	50	27	06	88	TRCR	5
679	LW	302	250	16			G	50	27	06	88	TRCR	5
680	LW	292	240	16			G	50	27	06	88	TRCR	5
681	LW	283	230	16			G	50	27	06	88	TRCR	5
682	LW	307	300	06			G	50	27	06	88	TRCR	5
683	LW	300	270	16			G	50	27	06	88	TRCR	7
684	LW	279	330	16			G	50	27	06	88	TRCR	7
685	LW	291	280	06			G	50	27	06	88	TRCR	7
686	LW	277	220	06			G	50	27	06	88	TRCR	7
687	LW	266	200	16			G	50	27	06	88	TRCR	7
688	LW	282	240	06			G	50	27	06	88	TRCR	7
689	LW	283	230	16			G	50	27	06	88	TRCR	7
690	LW	240	150	11			G	50	27	06	88	TRCR	7
691	LW	268	210	06			G	50	27	06	88	TRCR	7
692	LW	262	190	06			G	50	27	06	88	TRCR	7
693	LW	257	190	06			G	50	27	06	88	TRCR	7

SUMMER GILL NETTING WILLISTON LAKE
1988

SAMPLE NO	SPECIES	FL mm	WT gms	SEX Cd	AGE Yr	AGE Md	CA Md	MESH SIZE	DATE DY	DATE MO	DATE YR	CAPT SITE	X	P
1628	PM	175	60				GN	38	16	08	88	FORE	5	
1629	PM	175	50				GN	38	16	08	88	FORE	5	
1630	PM	175	60				GN	38	16	08	88	FORE	5	
1631	LW	290	290				GN	51	16	08	88	FORE	5	
1632	NSF	340	410	06		SC	GN	51	16	08	88	FORE	5	
1633	LNS	300	350				GN	51	16	08	88	FORE	5	
1634	LW	305	250				GN	51	16	08	88	FORE	5	
1634	LW	295	270				GN	51	16	08	88	FORE	5	
1636	LW	220	100				GN	51	16	08	88	FORE	5	
1637	LW	275	230				GN	51	16	08	88	FORE	5	
1638	LW	250	180				GN	51	16	08	88	FORE	5	
1639	LNS	260	200				GN	51	16	08	88	FORE	5	
1640	WS	280	300	06			GN	64	16	08	88	FORE	5	
1641	WS	340	340				GN	64	16	08	88	FORE	5	
1642	LW	390	610	16	5	SC	GN	64	16	08	88	FORE	5	5
1643	LW	300	260				GN	64	16	08	88	FORE	5	
1644	LW	290	250				GN	64	16	08	88	FORE	5	
1645	LW	310	280				GN	64	16	08	88	FORE	5	
1646	LW	305	280				GN	64	16	08	88	FORE	5	
1647	LW	290	270				GN	64	16	08	88	FORE	5	
1648	LW	285	230				GN	64	16	08	88	FORE	5	
1649	LW	280	280				GN	64	16	08	88	FORE	5	
1650	LING	470	540	06	8	OT	GN	64	16	08	88	FORE	5	5
1651	LING	395	330	06	9	OT	GN	64	16	08	88	FORE	5	5
1652	LNS	410	920	16			GN	76	16	08	88	FORE	5	
1653	LW	310	280	16			GN	76	16	08	88	FORE	5	
1654	LW	310	280	16			GN	76	16	08	88	FORE	5	
1655	LING	440	530	06	8	OT	GN	76	16	08	88	FORE	5	5
1656	LW	340	470	16			GN	76	16	08	88	FORE	9	
1657	LW	280	240	06			GN	76	16	08	88	FORE	9	
1658	LW	325	300	16			GN	64	16	08	88	FORE	9	
1659	LW	305	260	16			GN	64	16	08	88	FORE	9	
1660	LW	295	245				GN	64	16	08	88	FORE	9	
1661	LW	285	260				GN	64	16	08	88	FORE	9	
1662	LNS	390	720				GN	64	16	08	88	FORE	9	
1663	LNS	340	420				GN	64	16	08	88	FORE	9	
1664	RT	355	400	06	3	SC	AL	0	17	08	88	SCHL		5
1665	PM	200	65	06			GN	38	19	08	88	CLWR	6	
1666	PM	205	80	06			GN	38	19	08	88	CLWR	6	
1667	PM	190	60	06			GN	38	19	08	88	CLWR	6	
1668	PM	190	60	06			GN	38	19	08	88	CLWR	6	
1669	PM	175	50				GN	38	19	08	88	CLWR	6	
1670	PM	155	20	06			GN	38	19	08	88	CLWR	6	
1671	PM	190	60	06			GN	38	19	08	88	CLWR	6	
1672	PM	190	60				GN	38	19	08	88	CLWR	6	
1673	RT	345	420	16	3	SC	GN	38	19	08	88	CLWR	6	5
1674	RT	295	270	06	3	SC	GN	38	19	08	88	CLWR	6	5
1675	K	275	285	06	3	SC	GN	38	19	08	88	CLWR	6	5
1676	LW	285	245	16	4	SC	GN	38	19	08	88	CLWR	6	
1677	PM	225	100				GN	38	19	08	88	CLWR	6	
1678	PM	190	50				GN	38	19	08	88	CLWR	6	
1679	PM	210	65				GN	38	19	08	88	CLWR	6	
1680	PM	190	60				GN	38	19	08	88	CLWR	6	
1681	PM	185	60				GN	38	19	08	88	CLWR	6	
1682	PM	170	40				GN	38	19	08	88	CLWR	6	
1683	PM	175	40				GN	38	19	08	88	CLWR	6	
1684	PM	180	40				GN	38	19	08	88	CLWR	6	
1685	LW	225	100				GN	38	19	08	88	CLWR	6	
1686	LW	320	300	16	3	SC	GN	51	19	08	88	CLWR	6	

SUMMER GILL NETTING WILLISTON LAKE
1988

SAMPLE NO	SPECIES	FL mm	WT gms	SEX Cd	AGE Yr	AGE Md	CA Md	MESH SIZE	DATE DY	DATE MO	DATE YR	CAPT SITE	X	P
1873	PM	220	0				GN	38	19	08	88	CLWR	4	
1874	PM	195	0				GN	38	19	08	88	CLWR	4	
1875	PM	200	0				GN	38	19	08	88	CLWR	4	
1876	PM	200	0				GN	38	19	08	88	CLWR	4	
1877	PM	180	0				GN	38	19	08	88	CLWR	4	
1878	PM	185	0				GN	38	19	08	88	CLWR	4	
1879	PM	215	0				GN	38	19	08	88	CLWR	4	
1880	PM	210	0				GN	38	19	08	88	CLWR	4	
1881	PM	210	0				GN	38	19	08	88	CLWR	4	
1882	PM	195	0				GN	38	19	08	88	CLWR	4	
1883	PM	200	0				GN	38	19	08	88	CLWR	4	
1884	PM	220	0				GN	38	19	08	88	CLWR	4	
1885	PM	220	0				GN	38	19	08	88	CLWR	4	
1886	PM	220	0				GN	38	19	08	88	CLWR	4	
1887	PM	185	0				GN	38	19	08	88	CLWR	4	
1888	PM	205	0				GN	38	19	08	88	CLWR	4	
1889	PM	160	0				GN	38	19	08	88	CLWR	4	
1890	PM	180	0				GN	38	19	08	88	CLWR	4	
1891	PM	175	0				GN	38	19	08	88	CLWR	4	
1892	PM	170	0				GN	38	19	08	88	CLWR	4	
1893	PM	205	0				GN	38	19	08	88	CLWR	4	
1894	PM	180	0				GN	38	19	08	88	CLWR	4	
1895	PM	185	0				GN	38	19	08	88	CLWR	4	
1896	PM	195	0				GN	38	19	08	88	CLWR	4	
1897	PM	205	0				GN	38	19	08	88	CLWR	4	
1898	PM	195	0				GN	38	19	08	88	CLWR	4	
1899	DV	325	320	06			GN	64	19	08	88	CLWR	4	
1900	LNS	395	660				GN	64	19	08	88	CLWR	4	
1901	DV	295	200	11			GN	64	19	08	88	CLWR	4	
1902	NSF	320	320				GN	64	19	08	88	CLWR	4	
1903	LW	310	280				GN	64	19	08	88	CLWR	4	
1904	LW	235	105				GN	64	19	08	88	CLWR	4	
1905	LW	300	260				GN	64	19	08	88	CLWR	4	
1906	LW	290	260				GN	64	19	08	88	CLWR	4	
1907	LW	320	290				GN	64	19	08	88	CLWR	4	
1908	LW	330	260				GN	64	19	08	88	CLWR	4	
1909	LW	335	320				GN	64	19	08	88	CLWR	4	
1910	LW	295	220				GN	64	19	08	88	CLWR	4	
1911	LW	340	360				GN	64	19	08	88	CLWR	4	
1912	LW	320	280				GN	64	19	08	88	CLWR	4	
1913	LW	310	280				GN	64	19	08	88	CLWR	4	
1914	PM	230	0				GN	64	19	08	88	CLWR	4	
1915	LNS	374	490	16		SC	GN	51	11	08	88	HEPT	4	
1916	PM	175	40				GN	38	12	08	88	HEPT	5	
1917	PM	190	60	06			GN	38	16	08	88	FORE	4	
1918	PM	190	80				GN	38	16	08	88	FORE	5	
1919	PM	180	50				GN	38	16	08	88	FORE	5	
1920	DV	415	660	16		OT	GN	38	19	08	88	CLWR	5	
1921	PM	165	30				GN	38	19	08	88	CLWR	6	
1922	LNS	345	420	06		SC	GN	51	11	08	88	HEPT	4	
1923	LNS	315	320	16		SC	GN	51	11	08	88	HEPT	4	
1924	LNS	345	460	16		SC	GN	51	11	08	88	HEPT	4	
1925	LNS	325	400	06		SC	GN	51	11	08	88	HEPT	4	
1926	LNS	329	260	06		SC	GN	51	11	08	88	HEPT	4	
1927	LNS	255	0	99		SC	GN	51	11	08	88	HEPT	4	
1928	LW	210	90	06	2	SC	GN	51	11	08	88	HEPT	4	
1929	NSF	235	125	99		SC	GN	51	11	08	88	HEPT	4	
1930	LING	327	160	99		OT	GN	51	11	08	88	HEPT	4	
1931	LW	224	110	06	2	SC	GN	51	11	08	88	HEPT	4	

SUMMER GILL NETTING WILLISTON LAKE 1988

SAMPLE NO	SPECIES	FL mm	WT gms	SEX Cd	AGE Yr	AGE Md	CA Md	MESH SIZE	DATE DY	DATE MO	DATE YR	CAPT SITE	X	P
1566	LW	270	200				GN	38	16	08	88	FORE	6	
1567	LW	250	160				GN	38	16	08	88	FORE	6	
1568	LW	215	100				GN	38	16	08	88	FORE	6	
1569	LU	280	0				GN	38	16	08	88	FORE	6	
1570	LW	200	80	99	2	SC	GN	38	16	08	88	FORE	6	
1571	LW	210	100				GN	38	16	08	88	FORE	6	
1572	LW	220	105				GN	38	16	08	88	FORE	6	
1573	LW	225	120				GN	38	16	08	88	FORE	6	
1574	LW	300	260				GN	38	16	08	88	FORE	6	
1575	LW	200	80	99	2	SC	GN	38	16	08	88	FORE	6	
1576	LW	290	220				GN	38	16	08	88	FORE	6	
1577	LW	265	220				GN	38	16	08	88	FORE	6	
1578	LW	270	220				GN	38	16	08	88	FORE	6	
1579	K	170	60	06	1	SC	GN	38	16	08	88	FORE	6	
1580	PM	210	90				GN	38	16	08	88	FORE	6	
1581	PM	230	120				GN	38	16	08	88	FORE	6	
1582	PM	195	70				GN	38	16	08	88	FORE	6	
1583	PM	185	60				GN	38	16	08	88	FORE	6	
1584	PM	195	70				GN	38	16	08	88	FORE	6	
1585	PM	190	70				GN	38	16	08	88	FORE	6	
1586	PM	205	80				GN	38	16	08	88	FORE	6	
1587	LW	165	40				GN	38	16	08	88	FORE	6	
1588	LW	165	30		1	SC	GN	38	16	08	88	FORE	6	
1589	LW	285	260				GN	51	16	08	88	FORE	6	
1590	LW	285	260				GN	51	16	08	88	FORE	6	
1591	LW	280	245	06	5	SC	GN	51	16	08	88	FORE	6	
1592	LW	255	200				GN	51	16	08	88	FORE	6	
1593	LW	290	260				GN	51	16	08	88	FORE	6	
1594	LW	270	220				GN	51	16	08	88	FORE	6	
1595	LW	290	270				GN	51	16	08	88	FORE	6	
1596	LW	295	260				GN	51	16	08	88	FORE	6	
1597	LW	290	260				GN	51	16	08	88	FORE	6	
1598	LW	290	300				GN	51	16	08	88	FORE	6	
1599	LW	335	300				GN	51	16	08	88	FORE	6	
1600	LW	275	220				GN	51	16	08	88	FORE	6	
1601	LW	285	260				GN	51	16	08	88	FORE	6	
1603	LW	295	290				GN	51	16	08	88	FORE	6	
1604	LW	300	280				GN	51	16	08	88	FORE	6	
1605	LW	280	260				GN	51	16	08	88	FORE	6	
1606	LW	285	260				GN	51	16	08	88	FORE	6	
1607	LW	340	320	16	4	SC	GN	51	16	08	88	FORE	6	
1607	LW	320	250				GN	51	16	08	88	FORE	6	
1608	LW	310	280	06	4	SC	GN	51	16	08	88	FORE	6	
1609	K	215	130		2	SC	GN	51	16	08	88	FORE	6	
1610	PM	285	200	16		SC	GN	51	16	08	88	FORE	6	
1611	LNS	420	820	16			GN	102	16	08	88	FORE	5	
1612	LW	265	200	06			GN	38	16	08	88	FORE	5	
1613	PM	215	100				GN	38	16	08	88	FORE	5	
1614	PM	225	110				GN	38	16	08	88	FORE	5	
1615	PM	210	80				GN	38	16	08	88	FORE	5	
1616	PM	220	100				GN	38	16	08	88	FORE	5	
1617	NSF	210	80	99		SC	GN	38	16	08	88	FORE	5	
1618	PM	210	100				GN	38	16	08	88	FORE	5	
1619	PM	225	80				GN	38	16	08	88	FORE	5	
1620	PM	210	85				GN	38	16	08	88	FORE	5	
1621	PM	235	120				GN	38	16	08	88	FORE	5	
1622	PM	205	85				GN	38	16	08	88	FORE	5	
1623	PM	210	100				GN	38	16	08	88	FORE	5	
1624	PM	195	80				GN	38	16	08	88	FORE	5	
1625	PM	190	70				GN	38	16	08	88	FORE	5	
1626	PM	185	60				GN	38	16	08	88	FORE	5	
1627	PM	165	40				GN	38	16	08	88	FORE	5	

SUMMER GILL NETTING WILLISTON LAKE 1988

SAMPLE NO	SPECIES	FL mm	WT gms	SEX Cd	AGE Yr	AGE Md	CA Md	MESH SIZE	DATE DY	DATE MO	DATE YR	CAPT SITE	X	P
1811	PM	195	80				GN	38	19	08	88	CLWR	5	
1812	PM	190	60				GN	38	19	08	88	CLWR	5	
1813	PM	200	70				GN	38	19	08	88	CLWR	5	
1814	PM	195	60				GN	38	19	08	88	CLWR	5	
1815	PM	165	30				GN	38	19	08	88	CLWR	5	
1816	PM	180	40				GN	38	19	08	88	CLWR	5	
1817	PM	185	60				GN	38	19	08	88	CLWR	5	
1818	PM	190	60				GN	38	19	08	88	CLWR	5	
1819	PM	170	25				GN	38	19	08	88	CLWR	5	
1820	DV	190	40	99		OT	GN	38	19	08	88	CLWR	5	
1821	DV	235	80	99		OT	GN	38	19	08	88	CLWR	5	
1822	LW	320	320				GN	51	19	08	88	CLWR	5	
1823	LW	290	230				GN	51	19	08	88	CLWR	5	
1824	LW	320	280				GN	51	19	08	88	CLWR	5	
1825	LW	310	260				GN	51	19	08	88	CLWR	5	
1826	LW	280	230				GN	51	19	08	88	CLWR	5	
1827	LW	310	260				GN	51	19	08	88	CLWR	5	
1828	PM	240	120				GN	51	19	08	88	CLWR	5	
1829	LNS	245	430				GN	51	19	08	88	CLWR	5	
1830	LNS	375	540				GN	51	19	08	88	CLWR	5	
1831	LNS	210	100				GN	51	19	08	88	CLWR	5	
1832	DV	300	215	06	6	OT	GN	51	19	08	88	CLWR	5	
1833	DV	450	880	16			GN	76	19	08	88	CLWR	4	
1834	LNS	375	600				GN	76	19	08	88	CLWR	4	
1835	LW	340	440				GN	76	19	08	88	CLWR	4	
1836	LW	340	340				GN	76	19	08	88	CLWR	4	
1837	LNS	410	880				GN	64	19	08	88	CLWR	4	
1838	LNS	320	370				GN	64	19	08	88	CLWR	4	
1839	LNS	345	530				GN	64	19	08	88	CLWR	4	
1840	LNS	325	400				GN	64	19	08	88	CLWR	4	
1841	LNS	291	280				GN	64	19	08	88	CLWR	4	
1842	NSF	300	360				GN	64	19	08	88	CLWR	4	
1843	NSF	355	580				GN	64	19	08	88	CLWR	4	
1844	LW	305	330				GN	64	19	08	88	CLWR	4	
1845	LW	325	360				GN	64	19	08	88	CLWR	4	
1846	LW	310	300				GN	64	19	08	88	CLWR	4	
1847	LW	310	260				GN	64	19	08	88	CLWR	4	
1848	LW	315	280				GN	64	19	08	88	CLWR	4	
1849	RT	315	320	16	4	SC	GN	64	19	08	88	CLWR	4	
1850	DV	330	300	11		OT	GN	64	19	08	88	CLWR	4	
1851	PM	180	0				GN	38	19	08	88	CLWR	4	
1852	PM	210	0				GN	38	19	08	88	CLWR	4	
1853	PM	165	0				GN	38	19	08	88	CLWR	4	
1854	PM	165	0				GN	38	19	08	88	CLWR	4	
1855	PM	170	0				GN	38	19	08	88	CLWR	4	
1856	PM	195	0				GN	38	19	08	88	CLWR	4	
1857	PM	185	0				GN	38	19	08	88	CLWR	4	
1858	PM	165	0				GN	38	19	08	88	CLWR	4	
1859	PM	200	0				GN	38	19	08	88	CLWR	4	
1860	PM	210	0				GN	38	19	08	88	CLWR	4	
1861	PM	210	0				GN	38	19	08	88	CLWR	4	
1862	PM	170	0				GN	38	19	08	88	CLWR	4	
1863	PM	190	0				GN	38	19	08	88	CLWR	4	
1864	PM	215	0				GN	38	19	08	88	CLWR	4	
1865	PM	190	0				GN	38	19	08	88	CLWR	4	
1866	PM	190	0				GN	38	19	08	88	CLWR	4	
1867	PM	165	0				GN	38	19	08	88	CLWR	4	
1868	PM	175	0				GN	38	19	08	88	CLWR	4	
1869	PM	205	0				GN	38	19	08	88	CLWR	4	
1870	PM	195	0				GN	38	19	08	88	CLWR	4	
1871	PM	175	0				GN	38	19	08	88	CLWR	4	
1872	PM	190	0				GN	38	19	08	88	CLWR	4	

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SAMPLE NO	SPECIES	FL mm	WT gms	SEX Cd	AGE Yr	AGE Md	CA Md	MESH SIZE	DATE DY	DATE MO	DATE YR	CAPT SITE	X	P
1442	LT	395	520	16	8	OT	GN	51	11	08	88	HEPT	4	5
1443	NSF	220	100	99		SC	GN	38	11	08	88	HEPT	4	5
1444	PM	180	50	06		SC	GN	38	11	08	88	HEPT	4	5
1445	LW	162	40	99	1	SC	GN	38	11	08	88	HEPT	4	5
1446	PM	187	60	06		SC	GN	38	11	08	88	HEPT	4	5
1447	PM	190	60	16		SC	GN	38	11	08	88	HEPT	4	5
1448	PM	175	45	06			GN	38	11	08	88	HEPT	4	5
1449	PM	185	60	16		SC	GN	38	11	08	88	HEPT	4	5
1450	PM	181	60	06		SC	GN	38	11	08	88	HEPT	4	5
1451	PM	160	35	06		SC	GN	38	11	08	88	HEPT	4	5
1452	PM	170	40	06		SC	GN	38	11	08	88	HEPT	4	5
1453	LW	170	40	99	1	SC	GN	38	11	08	88	HEPT	4	5
1454	PM	165	40	06		SC	GN	38	11	08	88	HEPT	4	5
1455	PM	175	50	06		SC	GN	38	11	08	88	HEPT	4	5
1456	PM	165	40	06		SC	GN	38	11	08	88	HEPT	4	5
1457	PM	185	60	06		SC	GN	38	11	08	88	HEPT	4	5
1458	PM	190	60	06		SC	GN	38	11	08	88	HEPT	4	5
1459	PM	160	40	06		SC	GN	38	11	08	88	HEPT	4	5
1460	LNS	285	250	16		SC	GN	64	11	08	88	HEPT	4	5
1461	LNS	325	370	06		SC	GN	64	11	08	88	HEPT	4	5
1462	LNS	340	420	16			GN	64	11	08	88	HEPT	4	5
1463	LW	270	190	16	2	SC	GN	64	11	08	88	HEPT	4	5
1464	LW	270	220	06	3	SC	GN	64	11	08	88	HEPT	4	5
1465	LNS	284	270	06		SC	GN	64	11	08	88	HEPT	4	5
1466	LNS	265	220	06		SC	GN	64	11	08	88	HEPT	4	5
1467	LW	285	240	16	4	SC	GN	64	11	08	88	HEPT	4	
1468	LNS	225	360	16		SC	GN	64	11	08	88	HEPT	4	
1469	LING	390	300	06	7	OT	GN	64	11	08	88	HEPT	4	5
1470	LNS	320	300	06		SC	GN	76	11	08	88	HEPT	4	
1471	LW	225	100	99	2	SC	GN	38	11	08	88	HEPT	6	
1472	PM	180	60	06			GN	38	11	08	88	HEPT	6	
1473	K	170	50	99	2	SC	GN	38	11	08	88	HEPT	6	
1474	PM	180	60	06		SC	GN	38	11	08	88	HEPT	6	
1475	LW	225	120	06	2	SC	GN	51	11	08	88	HEPT	6	
1476	LW	210	100	06	2	SC	GN	51	11	08	88	HEPT	6	
1477	LW	215	100	06	2	SC	GN	51	11	08	88	HEPT	6	
1478	LW	220	110	99	2	SC	GN	51	11	08	88	HEPT	6	
1479	LW	240	150	06			GN	51	11	08	88	HEPT	6	
1480	LNS	395	720	16		SC	GN	76	11	08	88	HEPT	6	
1481	LW	330	270	16	4	SC	GN	64	11	08	88	HEPT	6	
1482	LW	265	200	99	4	SC	GN	64	12	08	88	HEPT	6	
1483	PM	170	50				GN	38	12	08	88	HEPT	5	
1484	PM	160	40				GN	38	12	08	88	HEPT	5	
1485	LNS	168	50	99		SC	GN	38	12	08	88	HEPT	5	
1486	LNS	334	430	06			GN	51	12	08	88	HEPT	5	
1487	LING	322	0	06			GN	51	12	08	88	HEPT	5	5
1488	LING	244	160	06	7	OT	GN	51	12	08	88	HEPT	5	
1489	LNS	232	120				GN	51	12	08	88	HEPT	5	
1490	DV	272	200	11	5	OT	GN	51	12	08	88	HEPT	5	
1491	LNS	243	140	99		SC	GN	51	12	08	88	HEPT	5	
1492	LNS	375	620	16		SC	GN	51	12	08	88	HEPT	5	
1493	LING	350	250	06	6	OT	GN	51	12	08	88	HEPT	5	
1494	LNS	332	400	06			GN	51	12	08	88	HEPT	5	
1495	LNS	287	270	99			GN	51	12	08	88	HEPT	5	
1496	LNS	343	490	16			GN	64	12	08	88	HEPT	5	
1497	LNS	295	280	16			GN	64	12	08	88	HEPT	5	
1498	LNS	256	200	99			GN	64	12	08	88	HEPT	5	
1499	LING	398	320	06	6	OT	GN	64	12	08	88	HEPT	5	5
1500	LNS	411	820	16		SC	GN	64	12	08	88	HEPT	5	5
1501	LING	402	320	06	6	OT	GN	64	12	08	88	HEPT	5	5
1502	LNS	280	250				GN	64	12	08	88	HEPT	5	
1503	LNS	317	260				GN	64	12	08	88	HEPT	5	

SUMMER GILL NETTING WILLISTON LAKE 1988

SAMPLE NO	SPECIES	FL mm	WT gms	SEX Cd	AGE Yr	AGE Md	CA Md	MESH SIZE	DATE DY	DATE MO	DATE YR	CAPT SITE	X	P
1687	LW	225	280	16	5	SC	GN	51	19	08	88	CLWR	6	
1688	K	255	200	16	2	SC	GN	51	19	08	88	CLWR	6	5
1689	LW	290	280	16	4	SC	GN	51	19	08	88	CLWR	6	
1690	LW	310	300	06	4	SC	GN	51	19	08	88	CLWR	6	
1691	LW	230	120		3	SC	GN	51	19	08	88	CLWR	6	
1692	LW	275	220	16	4	SC	GN	51	19	08	88	CLWR	6	
1693	LW	305	280	16	5	SC	GN	51	19	08	88	CLWR	6	
1694	LW	305	260	06	3	SC	GN	51	19	08	88	CLWR	6	5
1695	LW	245	140	99	3	SC	GN	51	19	08	88	CLWR	6	5
1696	LW	310	280	16	3	SC	GN	51	19	08	88	CLWR	6	5
1697	LW	305	240	16	3	SC	GN	51	19	08	88	CLWR	6	
1698	LW	285	240	06	4	SC	GN	51	19	08	88	CLWR	6	
1699	LW	320	300	16	3	SC	GN	51	19	08	88	CLWR	6	
1700	LW	320	300	16	5	SC	GN	51	19	08	88	CLWR	6	
1701	RT	320	340	06	2	SC	GN	51	19	08	88	CLWR	6	5
1702	RT	285	240	06	2	SC	GN	51	19	08	88	CLWR	6	5
1703	RT	310	310	16	2	SC	GN	51	19	08	88	CLWR	6	5
1704	RT	360	465	16	3	SC	GN	51	19	08	88	CLWR	6	5
1705	RT	310	330	16	3	SC	GN	51	19	08	88	CLWR	6	5
1706	K	290	280	16	3	SC	GN	51	19	08	88	CLWR	6	5
1707	K	215	120	99	2	SC	GN	51	19	08	88	CLWR	6	
1708	K	225	140	99	2	SC	GN	51	19	08	88	CLWR	6	
1709	RT	350	480	16	3	SC	GN	51	19	08	88	CLWR	6	5
1710	DV	325	240	06	7	OT	GN	51	19	08	88	CLWR	6	5
1711	LW	275	200	06	3	SC	GN	51	19	08	88	CLWR	6	
1712	LW	310	260	16	3	SC	GN	51	19	08	88	CLWR	6	
1713	LW	280	240	16	3	SC	GN	51	19	08	88	CLWR	6	
1714	K	240	180	06	2	SC	GN	51	19	08	88	CLWR	6	
1715	PM	230	120				GN	51	19	08	88	CLWR	6	
1716	LW	340	300	16	3	SC	GN	64	19	08	88	CLWR	6	
1717	LW	310	320	06	3	SC	GN	64	19	08	88	CLWR	6	
1718	LW	270	220	06	3	SC	GN	64	19	08	88	CLWR	6	
1719	LW	310	260	06	4	SC	GN	64	19	08	88	CLWR	6	
1720	LW	310	225	06	3	SC	GN	64	19	08	88	CLWR	6	
1721	LW	305	280	16	2	SC	GN	64	19	08	88	CLWR	6	
1722	LW	315	290	06	4	SC	GN	64	19	08	88	CLWR	6	
1723	LW	295	240	16	4	SC	GN	64	19	08	88	CLWR	6	
1724	LW	290	240	06	3	SC	GN	64	19	08	88	CLWR	6	
1725	LW	340	320	16	4	SC	GN	64	19	08	88	CLWR	6	
1726	LW	305	270	16			GN	64	19	08	88	CLWR	6	
1727	LW	300	280	06			GN	64	19	08	88	CLWR	6	
1728	K	270	260	16	2	SC	GN	64	19	08	88	CLWR	6	
1729	K	265	240	06	2	SC	GN	64	19	08	88	CLWR	6	
1730	RT	310	380	16	3	SC	GN	64	19	08	88	CLWR	6	
1731	DV	345	360	16	9	OT	GN	64	19	08	88	CLWR	6	
1732	LW	325	300	06	3	SC	GN	76	19	08	88	CLWR	6	
1733	LW	315	320	16		SC	GN	76	19	08	88	CLWR	6	
1734	LW	345	340	16	3	SC	GN	76	19	08	88	CLWR	6	
1735	LW	350	310	16	3	SC	GN	76	19	08	88	CLWR	6	
1736	LW	340	320	06	3	SC	GN	76	19	08	88	CLWR	6	
1737	LW	310	340	16			GN	76	19	08	88	CLWR	6	
1738	LW	325	285	06			GN	76	19	08	88	CLWR	6	
1739	K	255	220	16	2	SC	GN	102	19	08	88	CLWR	6	
1740	LW	335	320				GN	76	19	08	88	CLWR	9	
1741	LW	315	240				GN	76	19	08	88	CLWR	9	
1742	LW	330	260				GN	76	19	08	88	CLWR	9	
1743	LW	310	270				GN	76	19	08	88	CLWR	9	
1744	LW	325	300				GN	76	19	08	88	CLWR	9	
1745	LW	300	260				GN	76	19	08	88	CLWR	9	
1746	LW	300	280				GN	76	19	08	88	CLWR	9	
1747	LW	275	240				GN	76	19	08	88	CLWR	9	
1748	LNS	350	490				GN	76	19	08	88	CLWR	9	

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SAMPLE NO	SPECIES	FL mm	WT gms	SEX Cd	AGE Yr	AGE Md	CA Md	MESH SIZE	DATE DY	DATE MO	DATE YR	CAPT SITE	X	P
1504	LING	403	330	06	7	OT	GN	64	12	08	88	HEPT	5	5
1505	LNS	282	240	99			GN	64	12	08	88	HEPT	5	
1506	LNS	335	460				GN	64	12	08	88	HEPT	5	
1507	LNS	336	380				GN	64	12	08	88	HEPT	5	
1508	LNS	418	0				GN	76	12	08	88	HEPT	5	
1509	LNS	347	420				GN	76	12	08	88	HEPT	5	
1510	LING	497	700	06	11	OT	GN	76	12	08	88	HEPT	5	5
1511	LNS	0	0				GN	76	12	08	88	HEPT	5	
1512	LNS	0	0				GN	76	12	08	88	HEPT	5	
1513	LNS	0	0				GN	76	12	08	88	HEPT	5	
1514	DV	251	140	99	5	OT	GN	76	12	08	88	HEPT	5	
1515	LNS	0	0				GN	76	12	08	88	HEPT	5	
1516	LNS	0	0				GN	76	12	08	88	HEPT	5	
1517	LNS	0	0				GN	76	12	08	88	HEPT	5	
1518	LNS	0	0				GN	76	12	08	88	HEPT	5	
1519	LNS	0	0				GN	76	12	08	88	HEPT	5	
1520	LNS	0	0				GN	76	12	08	88	HEPT	5	
1521	LNS	0	0				GN	76	12	08	88	HEPT	5	
1522	LNS	0	0				GN	76	12	08	88	HEPT	5	
1523	LNS	0	0				GN	76	12	08	88	HEPT	5	
1524	LW	355	520	16	5	SC	GN	64	16	08	88	FORE	4	5
1525	LW	295	290	16	3	SC	GN	64	16	08	88	FORE	4	
1526	LW	280	250	06	3	SC	GN	64	16	08	88	FORE	4	5
1527	LW	335	290	16	3	SC	GN	64	16	08	88	FORE	4	7
1528	LW	270	220	06	4	SC	GN	64	16	08	88	FORE	4	
1529	LW	335	300	06	4	SC	GN	64	16	08	88	FORE	4	5
1530	LW	320	280	16	3	SC	GN	64	16	08	88	FORE	4	
1531	LW	325	320	06	3	SC	GN	64	16	08	88	FORE	4	
1532	LW	335	300	16	3	SC	GN	64	16	08	88	FORE	4	5
1533	LW	285	240	06	3	SC	GN	64	16	08	88	FORE	4	
1534	LW	300	260	06			GN	64	16	08	88	FORE	4	
1535	LW	290	270	06	4	SC	GN	51	16	08	88	FORE	4	5
1536	LW	275	240	06	4	SC	GN	51	16	08	88	FORE	4	
1537	PM	250	140	06		SC	GN	51	16	08	88	FORE	4	
1538	PM	225	140	06		SC	GN	51	16	08	88	FORE	4	
1539	LING	320	170	06	5	OT	GN	51	16	08	88	FORE	4	5
1540	LW	280	260	06			GN	76	16	08	88	FORE	4	
1541	LW	320	280	06			GN	76	16	08	88	FORE	4	
1542	K	285	250	06	3	SC	GN	76	16	08	88	FORE	4	5
1543	WS	325	460	16		SC	GN	76	16	08	88	FORE	4	5
1544	LW	320	310	06			GN	38	16	08	88	FORE	4	
1545	LW	255	180	99	2	SC	GN	38	16	08	88	FORE	4	
1546	LW	235	130	99	3	SC	GN	38	16	08	88	FORE	4	
1547	LW	215	100	99			GN	38	16	08	88	FORE	4	
1548	LW	215	100	99			GN	38	16	08	88	FORE	4	
1549	LW	160	30	99	1	SC	GN	38	16	08	88	FORE	4	5
1550	LW	160	40	99			GN	38	16	08	88	FORE	4	
1551	LW	165	40	99			GN	38	16	08	88	FORE	4	
1552	PM	205	100	06		SC	GN	38	16	08	88	FORE	4	
1553	PM	200	70	06		SC	GN	38	16	08	88	FORE	4	
1554	PM	195	70	06			GN	38	16	08	88	FORE	4	
1555	PM	195	65	05			GN	38	16	08	88	FORE	4	
1556	PM	180	60	06		SC	GN	38	16	08	88	FORE	4	
1557	PM	175	50	99			GN	38	16	08	88	FORE	4	
1558	LW	330	320	16			GN	64	16	08	88	FORE	6	
1559	LW	290	260	16			GN	64	16	08	88	FORE	6	
1560	LW	315	300	06			GN	64	16	08	88	FORE	6	
1561	LW	310	230	06			GN	64	16	08	88	FORE	6	
1562	LW	300	290	06			GN	64	16	08	88	FORE	6	
1563	LW	310	250	06			GN	64	16	08	88	FORE	6	
1564	LW	290	240	16			GN	64	16	08	88	FORE	6	
1565	LW	255	180				GN	38	16	08	88	FORE	6	

SUMMER GILL NETTING WILLISTON LAKE
1988

SAMPLE NO	SPECIES	FL mm	WT gms	SEX Cd	AGE Yr	AGE Md	CA Md	MESH SIZE	DATE DY	DATE MO	DATE YR	CAPT SITE	X	P
1749	K	225	140	12	2	SC	GN	38	19	08	88	CLWR	9	
1750	LW	200	70		2	SC	GN	38	19	08	88	CLWR	9	
1751	LW	275	210				GN	51	19	08	88	CLWR	9	
1752	K	305	325	06	3	SC	GN	102	19	08	88	CLWR	9	
1753	LW	320	300				GN	64	19	08	88	CLWR	9	
1754	LW	290	240				GN	64	19	08	88	CLWR	9	
1755	LW	285	240				GN	64	19	08	88	CLWR	9	
1756	LW	320	300				GN	64	19	08	88	CLWR	9	
1757	LW	330	260				GN	64	19	08	88	CLWR	9	
1758	LW	335	320				GN	64	19	08	88	CLWR	9	
1759	LW	325	220				GN	64	19	08	88	CLWR	9	
1760	LW	340	340				GN	64	19	08	88	CLWR	9	
1761	LW	290	200				GN	64	19	08	88	CLWR	9	
1762	LW	285	280				GN	64	19	08	88	CLWR	9	
1763	LW	310	280				GN	64	19	08	88	CLWR	9	
1764	LW	310	220				GN	64	19	08	88	CLWR	9	
1765	LW	310	260				GN	64	19	08	88	CLWR	9	
1766	LW	285	220				GN	64	19	08	88	CLWR	9	
1767	LW	345	380				GN	64	19	08	88	CLWR	9	
1768	LW	305	260				GN	64	19	08	88	CLWR	9	
1769	LW	325	280				GN	64	19	08	88	CLWR	9	
1770	LW	310	280				GN	64	19	08	88	CLWR	9	
1771	LW	290	240				GN	64	19	08	88	CLWR	9	
1772	LW	355	320				GN	64	19	08	88	CLWR	9	
1773	LW	290	220				GN	64	19	08	88	CLWR	9	
1774	LW	305	220				GN	64	19	08	88	CLWR	9	
1775	LW	310	290				GN	64	19	08	88	CLWR	9	
1776	LW	310	260				GN	64	19	08	88	CLWR	9	
1777	LW	295	260				GN	64	19	08	88	CLWR	9	
1778	LW	295	250				GN	64	19	08	88	CLWR	9	
1779	LW	290	220				GN	64	19	08	88	CLWR	9	
1780	LW	280	240				GN	64	19	08	88	CLWR	9	
1781	LW	315	260				GN	64	19	08	88	CLWR	9	
1782	LW	295	240				GN	64	19	08	88	CLWR	9	
1783	LW	320	230				GN	64	19	08	88	CLWR	9	
1784	LW	280	220				GN	64	19	08	88	CLWR	9	
1785	LW	330	220				GN	64	19	08	88	CLWR	9	
1786	LNS	280	240				GN	64	19	08	88	CLWR	9	
1787	LW	330	300				GN	76	19	08	88	CLWR	5	
1788	LW	345	300				GN	76	19	08	88	CLWR	5	
1789	LW	310	340				GN	76	19	08	88	CLWR	5	
1790	LW	350	290		4	SC	GN	76	19	08	88	CLWR	5	
1791	LW	315	350				GN	76	19	08	88	CLWR	5	
1792	LW	320	270				GN	76	19	08	88	CLWR	5	
1793	LW	330	320				GN	76	19	08	88	CLWR	5	
1794	LNS	380	520				GN	76	19	08	88	CLWR	5	
1795	LNS	365	540				GN	76	19	08	88	CLWR	5	
1796	LW	295	240				GN	64	19	08	88	CLWR	5	
1797	LW	340	400				GN	64	19	08	88	CLWR	5	
1798	LW	325	260				GN	64	19	08	88	CLWR	5	
1799	LW	310	300				GN	64	19	08	88	CLWR	5	
1800	LW	340	340				GN	64	19	08	88	CLWR	5	
1801	LW	310	340				GN	64	19	08	88	CLWR	5	
1802	LW	300	160				GN	64	19	08	88	CLWR	5	
1803	DV	220	80	01		OT	GN	64	19	08	88	CLWR	5	
1804	RSS	103	0				GN	64	19	08	88	CLWR	5	
1805	LNS	355	500				GN	64	19	08	88	CLWR	5	
1806	LNS	260	200				GN	64	19	08	88	CLWR	5	
1807	PM	220	100				GN	38	19	08	88	CLWR	5	
1808	PM	170	40				GN	38	19	08	88	CLWR	5	
1809	PM	180	45				GN	38	19	08	88	CLWR	5	
1810	PM	205	80				GN	38	19	08	88	CLWR	5	

SAMPL NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	AGE M	C	MESH SIZE	DATE DY	DATE M	DATE YR	CAPT SITE	NT C	NT P
2031	LW	200	0		1	SC	G	38	29	09	88	FORE	5	
2032	LW	205	0				G	38	29	09	88	FORE	5	
2033	LW	230	0				G	38	29	09	88	FORE	5	
2034	LW	223.	0				G	38	29	09	88	FORE	5	
2035	LW	283	0				G	38	29	09	88	FORE	5	
2036	LW	187	0		1	SC	G	38	29	09	88	FORE	5	
2037	PM	183	0				G	38	29	09	88	FORE	5	
2038	LW	345	0				G	51	29	09	88	FORE	5	
2039	LW	303	0				G	51	29	09	88	FORE	5	
2040	LW	282	0				G	51	29	09	88	FORE	5	
2041	LW	253	0				G	51	29	09	88	FORE	5	
2042	LW	244	0				G	51	29	09	88	FORE	5	
2043	LW	274	0				G	51	29	09	88	FORE	5	
2044	LW	323	0				G	51	29	09	88	FORE	5	
2045	LW	260	0				G	51	29	09	88	FORE	5	
2046	LW	277	0				G	51	29	09	88	FORE	5	
2047	LW	233	0				G	51	29	09	88	FORE	5	
2048	LW	265	0				G	51	29	09	88	FORE	5	
2049	LW	302	0				G	51	29	09	88	FORE	5	
2050	LW	302	0				G	51	29	09	88	FORE	5	
2051	LW	292	0				G	51	29	09	88	FORE	5	
2052	LW	282	0				G	51	29	09	88	FORE	5	
2053	LW	242	0				G	51	29	09	88	FORE	5	
2054	LNS	310	0				G	51	29	09	88	FORE	5	
2055	LNS	385	0				G	51	29	09	88	FORE	5	
2056	LNS	310	0				G	51	29	09	88	FORE	5	
2057	LNS	260	0				G	51	29	09	88	FORE	5	
2058	LW	334	0				G	76	29	09	88	FORE	5	
2059	LNS	362	0				G	76	29	09	88	FORE	5	
2060	LNS	327	0				G	76	29	09	88	FORE	5	
2061	LNS	410	0				G	102	29	09	88	FORE	5	
2062	LNS	335	0				G	102	29	09	88	FORE	5	
2063	LW	382	840	07	5	SC	G	102	29	09	88	FORE	5	5
2064	LING	563	1120		8	OT	G	102	29	09	88	FORE	5	5
2065	LW	268	0				G	64	29	09	88	FORE	5	
2066	LW	282	0				G	64	29	09	88	FORE	5	
2067	LW	300	0				G	64	29	09	88	FORE	5	
2068	LW	326	0				G	64	29	09	88	FORE	5	
2069	LW	376	660	17	4	SC	G	64	29	09	88	FORE	5	5
2070	LW	311	0				G	64	29	09	88	FORE	5	
2071	LW	262	0				G	64	29	09	88	FORE	5	
2072	LW	297	0				G	64	29	09	88	FORE	5	
2073	LW	290	0				G	64	29	09	88	FORE	5	
2074	LW	284	0				G	64	29	09	88	FORE	5	
2075	LW	248	0				G	64	29	09	88	FORE	5	
2076	LW	324	0				G	64	29	09	88	FORE	5	
2077	LW	328	0				G	64	29	09	88	FORE	5	
2078	LNS	302	0				G	64	29	09	88	FORE	5	
2079	LNS	310	0				G	64	29	09	88	FORE	5	
2080	LNS	310	0				G	64	29	09	88	FORE	5	
2081	LNS	346	0				G	64	29	09	88	FORE	5	
2082	LW	220	0				G	38	29	09	88	FORE	4	
2083	LW	282	0				G	38	29	09	88	FORE	4	
2084	LW	186	0				G	38	29	09	88	FORE	4	
2085	PM	165	0				G	38	29	09	88	FORE	4	
2086	PM	214	0				G	38	29	09	88	FORE	4	
2087	PM	181	0				G	38	29	09	88	FORE	4	
2088	PM	182	0				G	38	29	09	88	FORE	4	
2089	PM	187	0				G	38	29	09	88	FORE	4	
2090	PM	205	0				G	38	29	09	88	FORE	4	
2091	PM	203	0				G	38	29	09	88	FORE	4	
2092	PM	190	0				G	38	29	09	88	FORE	4	
2093	LW	221	0				G	38	29	09	88	FORE	4	
2094	LW	231	0				G	38	29	09	88	FORE	4	
2095	PM	179	0				G	38	29	09	88	FORE	4	
2096	LW	221	0				G	38	29	09	88	FORE	4	
2097	LW	223	0				G	38	29	09	88	FORE	4	
2098	LW	177	0				G	38	29	09	88	FORE	4	
2099	PM	180	0				G	38	29	09	88	FORE	4	
2100	LW	189	0				G	38	29	09	88	FORE	4	
2101	LW	280	0				G	38	29	09	88	FORE	4	
2102	PM	178	0				G	38	29	09	88	FORE	4	
2103	PM	184	0				G	38	29	09	88	FORE	4	

APP1FALL FALL 1988 NETTING WILLISTON LAKE

SAMPL NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	AGE M	C	MESH SIZE	DATE DY	DATE M	DATE YR	CAPT SITE	NT C
2442	LW	269	220	17	3	SC	G	76	05	10	88	TRCR	9
2443	LW	290	220	07			G	76	05	10	88	TRCR	9
2444	LW	315	0	16			G	76	05	10	88	TRCR	9
2445	LW	280	240	16	3	SC	G	76	05	10	88	TRCR	9
2446	LW	303	0	17			G	76	05	10	88	TRCR	9
2447	LW	275	200	07			G	76	05	10	88	TRCR	9
2448	LW	287	0	17			G	76	05	10	88	TRCR	9
2449	LW	314	0	07			G	76	05	10	88	TRCR	9
2450	LW	273	0	07			G	76	05	10	88	TRCR	9
2451	LW	254	200	16	3	SC	G	76	05	10	88	TRCR	9
2452	LW	293	0	17			G	76	05	10	88	TRCR	9
2453	LW	310	0	06			G	76	05	10	88	TRCR	9
2454	LW	305	0	07			G	76	05	10	88	TRCR	9
2455	LW	270	240	07			G	76	05	10	88	TRCR	9
2456	LW	297	0	17			G	76	05	10	88	TRCR	9
2457	LW	280	260	16			G	76	05	10	88	TRCR	9
2458	LW	318	0	06			G	76	05	10	88	TRCR	9
2459	LW	272	200	16	3	SC	G	51	05	10	88	TRCR	9
2460	LW	302	0	16			G	51	05	10	88	TRCR	9
2461	LW	282	220	07	4	SC	G	51	05	10	88	TRCR	9
2462	LW	278	220	07			G	51	05	10	88	TRCR	9
2463	LW	326	300	17	2	SC	G	51	05	10	88	TRCR	9
2464	LW	305	0	16			G	51	05	10	88	TRCR	9
2465	LW	330	300	16	3	SC	G	51	05	10	88	TRCR	9
2466	LW	278	260	07			G	51	05	10	88	TRCR	9
2467	LW	311	0	06			G	51	05	10	88	TRCR	9
2468	LW	280	0	16			G	51	05	10	88	TRCR	9
2469	LW	270	240	07			G	51	05	10	88	TRCR	9
2470	LW	272	0	17			G	51	05	10	88	TRCR	9
2471	LW	287	0	16			G	51	05	10	88	TRCR	9
2472	LW	281	0	17			G.	51	05	10	88	TRCR	9
2473	LW	322	0	16			G	51	05	10	88	TRCR	9
2474	DV	372	500	16	8	OT	G	51	05	10	88	TRCR	9
2475	DV	578	2650	16	5	OT	G	51	05	10	88	TRCR	9
2476	LW	295	0	07			G	64	05	10	88	TRCR	9
2477	LW	295	0	06			G	64	05	10	88	TRCR	9
2478	LW	255	180	99	2	SC	G	64	05	10	88	TRCR	9
2479	LW	302	0	07			G	64	05	10	88	TRCR	9
2480	LW	283	220	07			G	64	05	10	88	TRCR	9
2481	LW	287	0	17			G	64	05	10	88	TRCR	9
2482	LW	302	0	07			G	64	05	10	88	TRCR	9
2483	LW	275	0	17			G	64	05	10	88	TRCR	9
2484	LW	311	0	06			G	64	05	10	88	TRCR	9
2485	LW	297	0	07			G	64	05	10	88	TRCR	9
2486	LW	296	0	07			G	64	05	10	88	TRCR	9
2487	LW	325	320	07	2	SC	G	64	05	10	88	TRCR	9
2488	LW	304	0	17			G	64	05	10	88	TRCR	9
2489	LW	296	0	07			G	64	05	10	88	TRCR	9
2490	LW	262	210	07			G	64	05	10	88	TRCR	9
2491	LW	282	0	16			G	64	05	10	88	TRCR	9
2492	LW	313	0	17			G	64	05	10	88	TRCR	9
2493	LW	285	0	17			G	64	05	10	88	TRCR	9
2494	LW	268	0	17			G	64	05	10	88	TRCR	9
2495	LW	294	0	17			G	64	05	10	88	TRCR	9
2496	LW	297	0	07			G	64	05	10	88	TRCR	9
2497	LW	302	0	17			G	64	05	10	88	TRCR	9
2498	LW	316	0	07			G	64	05	10	88	TRCR	9
2499	LW	302	0	04			G	64	05	10	88	TRCR	9
2500	LW	294	0	07			G	64	05	10	88	TRCR	9
2501	LW	292	0	17			G	64	05	10	88	TRCR	9
2502	LW	284	0	07			G	64	05	10	88	TRCR	9
2503	LW	272	0				G	64	05	10	88	TRCR	9
2504	LW	252	170	16	3	SC	G	64	05	10	88	TRCR	9
2505	LW	279	0	17			G	64	05	10	88	TRCR	9
2506	LW	238	160	16	2	SC	G	64	05	10	88	TRCR	9
2507	LW	311	0	17			G	64	05	10	88	TRCR	9
2508	LW	297	0				G	64	05	10	88	TRCR	9
2509	LW	276	0	07			G	64	05	10	88	TRCR	9
2510	LW	294	0	17			G	64	05	10	88	TRCR	9
2511	LW	280	0	07			G	64	05	10	88	TRCR	9
2520	LW	300	260	06			G	38	05	10	88	TRCR	5
2521	LW	250	180	16			G	38	05	10	88	TRCR	5
2522	LW	205	100	99	2	SC	G	38	05	10	88	TRCR	5

APP1FALL

FALL 1988 NETTING WILLISTON LAKE

SAMPL NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	M	C	MESH SIZE	DATE DY	M	YR	CAPT SITE	NT C	P
2104	LW	187	0				G	38	29	09	88	FORE	4	
2105	LW	291	0				G	38	29	09	88	FORE	4	
2106	PM	208	0				G	51	29	09	88	FORE	4	
2107	LW	275	0				G	51	29	09	88	FORE	4	
2108	LW	268	0				G	51	29	09	88	FORE	4	
2109	LW	232	0				G	51	29	09	88	FORE	4	
2110	LW	273	0				G	51	29	09	88	FORE	4	
2111	LW	318	0				G	51	29	09	88	FORE	4	
2112	LW	279	0				G	51	29	09	88	FORE	4	
2113	LW	273	0				G	51	29	09	88	FORE	4	
2114	LW	272	0				G	51	29	09	88	FORE	4	
2115	LW	307	0				G	51	29	09	88	FORE	4	
2116	LW	249	0				G	51	29	09	88	FORE	4	
2117	LW	321	0				G	51	29	09	88	FORE	4	
2118	LW	243	0				G	51	29	09	88	FORE	4	
2119	LW	244	0				G	51	29	09	88	FORE	4	
2120	LW	366	0				G	51	29	09	88	FORE	4	
2121	LW	272	0				G	51	29	09	88	FORE	4	
2122	LW	260	0				G	51	29	09	88	FORE	4	
2123	LW	264	0				G	51	29	09	88	FORE	4	
2124	LW	300	0				G	51	29	09	88	FORE	4	
2125	LW	282	0				G	51	29	09	88	FORE	4	
2126	LW	223	0				G	51	29	09	88	FORE	4	
2127	PM	234	0				G	51	29	09	88	FORE	4	
2128	PM	234	0				G	51	29	09	88	FORE	4	
2129	PM	242	0				G	51	29	09	88	FORE	4	
2130	PM	213	0				G	51	29	09	88	FORE	4	
2131	LSS	370	0				G	51	29	09	88	FORE	4	
2132	DV	303	200	16		OT	G	51	29	09	88	FORE	4	5
2133	LW	335	0				G	64	29	09	88	FORE	4	
2134	LW	342	0				G	64	29	09	88	FORE	4	
2135	LW	362	600	07	4	SC	G	64	29	09	88	FORE	4	
2136	LW	372	0				G	64	29	09	88	FORE	4	
2137	LW	326	0				G	64	29	09	88	FORE	4	
2138	LW	292	0				G	64	29	09	88	FORE	4	
2139	LW	284	0				G	64	29	09	88	FORE	4	
2140	LW	311	0				G	64	29	09	88	FORE	4	
2141	LW	357	0				G	64	29	09	88	FORE	4	
2142	MW	258	200	17		SC	G	64	29	09	88	FORE	4	
2143	LW	331	0				G	64	29	09	88	FORE	4	
2144	LNS	382	0				G	64	29	09	88	FORE	4	
2145	LNS	334	0				G	64	29	09	88	FORE	4	
2146	LNS	326	0				G	64	29	09	88	FORE	4	
2147	LW	370	0				G	76	29	09	88	FORE	4	
2148	LW	338	0				G	76	29	09	88	FORE	4	
2149	LNS	403	0				G	76	29	09	88	FORE	4	
2150	LSS	387	0				G	76	29	09	88	FORE	4	
2151	DV	287	210	16	3	OT	G	76	29	09	88	FORE	4	5
2152	LNS	470	0				G	102	29	09	88	FORE	4	
2153	DV	417	740	16	6	OT	G	127	29	09	88	FORE	4	5
2154	DV	281	210	16	5	OT	G	127	29	09	88	FORE	4	5
2160	K	270	260	07	3	SC	G	38	01	10	88	CLWR	6	5
2161	K	295	330	17	3	SC	G	38	01	10	88	CLWR	6	5
2162	K	260	240	07	3	SC	G	38	01	10	88	CLWR	6	5
2163	K	236	160	07	2	SC	G	38	01	10	88	CLWR	6	5
2164	K	250	200	99	2	SC	G	38	01	10	88	CLWR	6	5
2165	K	196	100	99	1	SC	G	38	01	10	88	CLWR	6	
2166	K	246	200	99	2	SC	G	38	01	10	88	CLWR	6	5
2167	RT	238	125	99	1	SC	G	38	01	10	88	CLWR	6	5
2168	K	256	200	99	2	SC	G	51	01	10	88	CLWR	6	5
2169	K	239	220	99	2	SC	G	51	01	10	88	CLWR	6	5
2170	K	200	110	99	1	SC	G	51	01	10	88	CLWR	6	5
2171	K	246	200	99	2	SC	G	51	01	10	88	CLWR	6	5
2172	RT	331	380	16	2	SC	G	51	01	10	88	CLWR	6	5
2173	RT	292	260	16	2	SC	G	51	01	10	88	CLWR	6	5
2174	DV	430	800	99	6	OT	G	51	01	10	88	CLWR	6	5
2175	LW	304	0				G	51	01	10	88	CLWR	6	
2176	LW	307	0				G	51	01	10	88	CLWR	6	
2177	LW	257	0				G	51	01	10	88	CLWR	6	
2178	PM	210	0				G	76	01	10	88	CLWR	6	
2179	LW	302	0				G	76	01	10	88	CLWR	6	
2180	LW	296	0				G	76	01	10	88	CLWR	6	
2181	LW	325	0				G	76	01	10	88	CLWR	6	

APP1FALL

FALL 1988 NETTING WILLISTON LAKE

SAMPL NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	M	C	MESH SIZE	DATE DY	M	YR	CAPT SITE	NT C
2523	LW	175	40	99	1	SC	G	38	05	10	88	TRCR	5
2524	LW	125	0	99	1	SC	G	38	05	10	88	TRCR	5
2525	LW	185	60	99	1	SC	G	38	05	10	88	TRCR	5
2526	LW	230	140	06	3	SC	G	38	05	10	88	TRCR	5
2527	LW	175	30	99	1	SC	G	38	05	10	88	TRCR	5
2528	LW	170	30	99	1	SC	G	38	05	10	88	TRCR	5
2529	LW	180	40	99	1	SC	G	38	05	10	88	TRCR	5
2530	LW	185	40	99			G	38	05	10	88	TRCR	5
2531	LW	230	120	99			G	38	05	10	88	TRCR	5
2532	LW	185	50	99			G	38	05	10	88	TRCR	5
2533	LW	215	100	06	2	SC	G	38	05	10	88	TRCR	5
2534	LW	165	30	99			G	38	05	10	88	TRCR	5
2535	LW	155	0	99			G	38	05	10	88	TRCR	5
2536	PM	200	100				G	38	05	10	88	TRCR	5
2537	PM	170	30				G	38	05	10	88	TRCR	5
2538	DV	395	640	16	4	OT	G	38	05	10	88	TRCR	5
2539	DV	305	240	16	6	OT	G	38	05	10	88	TRCR	5
2540	DV	295	220	99	4	OT	G	38	05	10	88	TRCR	5
2541	LW	280	0	16		OT	G	51	05	10	88	TRCR	5
2542	LW	295	0	17			G	51	05	10	88	TRCR	5
2543	LW	275	0	07			G	51	05	10	88	TRCR	5
2544	LW	285	0	16			G	51	05	10	88	TRCR	5
2545	LW	245	140	07	2	SC	G	51	05	10	88	TRCR	5
2546	LW	235	140	06	2	SC	G	51	05	10	88	TRCR	5
2547	LW	280	0	16			G	51	05	10	88	TRCR	5
2548	LW	315	280	06	3	SC	G	51	05	10	88	TRCR	5
2549	LW	255	0	06			G	51	05	10	88	TRCR	5
2550	LW	310	300	06	3	SC	G	51	05	10	88	TRCR	5
2551	LW	300	0	07			G	51	05	10	88	TRCR	5
2552	LW	295	0	16			G	51	05	10	88	TRCR	5
2553	LW	290	0	07			G	51	05	10	88	TRCR	5
2554	LW	290	0	16			G	51	05	10	88	TRCR	5
2555	LW	310	0	16			G	51	05	10	88	TRCR	5
2556	LW	305	0	17			G	51	05	10	88	TRCR	5
2557	LW	310	0	16			G	51	05	10	88	TRCR	5
2558	LW	300	0	07			G	51	05	10	88	TRCR	5
2559	DV	275	180	99	3	OT	G	51	05	10	88	TRCR	5
2560	DV	225	300	06	7	OT	G	51	05	10	88	TRCR	5
2561	DV	320	280	06	6	OT	G	51	05	10	88	TRCR	5
2562	LW	300	0				G	64	05	10	88	TRCR	5
2563	LW	210	0				G	64	05	10	88	TRCR	5
2564	LW	315	0				G	64	05	10	88	TRCR	5
2565	LW	345	310	16	3	SC	G	64	05	10	88	TRCR	5
2566	LW	315	0				G	64	05	10	88	TRCR	5
2567	LW	320	0				G	64	05	10	88	TRCR	5
2568	LW	305	0				G	64	05	10	88	TRCR	5
2569	LNS	300	320				G	64	05	10	88	TRCR	5
2570	LSS	420	820				G	64	05	10	88	TRCR	5
2571	LW	300	0				G	64	05	10	88	TRCR	5
2572	LW	310	0				G	64	05	10	88	TRCR	5
2573	LW	250	0				G	64	05	10	88	TRCR	5
2574	LW	300	0				G	64	05	10	88	TRCR	5
2575	LW	270	0				G	64	05	10	88	TRCR	5
2576	LW	300	0				G	64	05	10	88	TRCR	5
2577	LING	360	200	06	6	OT	G	64	05	10	88	TRCR	5
2578	DV	335	320	99	6	OT	G	64	05	10	88	TRCR	5
2579	DV	685	3600	06	10	OT	G	76	05	10	88	TRCR	5
2580	LW	310	0				G	76	05	10	88	TRCR	5
2581	LW	300	0				G	76	05	10	88	TRCR	5
2582	LW	340	300		3	SC	G	76	05	10	88	TRCR	5
2583	LW	315	0				G	76	05	10	88	TRCR	5
2584	LW	285	0				G	76	05	10	88	TRCR	5
2585	DV	390	460	16	6	OT	G	76	05	10	88	TRCR	5
2586	DV	705	3600	16	12	OT	G	76	05	10	88	TRCR	5
2587	PM	250	0				G	38	05	10	88	TRCR	4
2588	PM	180	0				G	38	05	10	88	TRCR	4
2589	PM	170	0				G	38	05	10	88	TRCR	4
2590	PM	165	0				G	38	05	10	88	TRCR	4
2591	LW	185	35				G	38	05	10	88	TRCR	4
2592	LW	275	0	17			G	38	05	10	88	TRCR	4
2593	LW	230	0				G	38	05	10	88	TRCR	4
2594	LW	210	0				G	38	05	10	88	TRCR	4
2595	LW	225	0				G	38	05	10	88	TRCR	4

SAMPL NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	M	C	MESH SIZE	DATE DY	M	YR	CAPT SITE	NT C	P
2182	LW	300	0	17			G	76	01	10	88	CLWR	6	
2183	DV	630	3500	16	7	OT	G	76	01	10	88	CLWR	6	5
2184	LW	280	0				G	64	01	10	88	CLWR	6	
2185	LW	297	0				G	64	01	10	88	CLWR	6	
2186	K	234	180	16	2	SC	G	64	01	10	88	CLWR	6	5
2187	DV	471	1300	16	7	OT	G	64	01	10	88	CLWR	6	5
2188	LW	348	0	16			G	64	01	10	88	CLWR	6	
2189	LW	334	0	99			G	64	01	10	88	CLWR	6	
2190	LW	287	0	06			G	64	01	10	88	CLWR	6	
2191	LW	332	0	06			G	64	01	10	88	CLWR	6	
2192	LW	339	0	99			G	64	01	10	88	CLWR	6	
2193	PM	0	0				G	38	01	10	88	CLWR	4	
2194	PM	0	0				G	38	01	10	88	CLWR	4	
2195	PM	210	0				G	38	01	10	88	CLWR	4	
2196	PM	168	0				G	38	01	10	88	CLWR	4	
2197	PM	195	0				G	38	01	10	88	CLWR	4	
2198	PM	187	0				G	38	01	10	88	CLWR	4	
2199	PM	193	0				G	38	01	10	88	CLWR	4	
2200	PM	166	0				G	38	01	10	88	CLWR	4	
2201	PM	176	0				G	38	01	10	88	CLWR	4	
2202	PM	212	0				G	38	01	10	88	CLWR	4	
2203	PM	220	0				G	38	01	10	88	CLWR	4	
2204	PM	200	0				G	38	01	10	88	CLWR	4	
2205	PM	157	0				G	38	01	10	88	CLWR	4	
2206	PM	189	0				G	38	01	10	88	CLWR	4	
2207	LW	220	0				G	38	01	10	88	CLWR	4	
2208	K	180	40	99	1	SC	G	38	01	10	88	CLWR	4	
2209	DV	186	45	99	3	OT	G	38	01	10	88	CLWR	4	
2210	DV	180	40	99	3	OT	G	38	01	10	88	CLWR	4	
2211	LW	330	0	06			G	51	01	10	88	CLWR	4	
2212	LW	283	0	16			G	51	01	10	88	CLWR	4	
2213	LW	307	0	06			G	51	01	10	88	CLWR	4	
2214	LW	283	0	07			G	51	01	10	88	CLWR	4	
2215	LW	274	0	07			G	51	01	10	88	CLWR	4	
2216	LW	232	0	16			G	51	01	10	88	CLWR	4	
2217	LW	283	0	07			G	51	01	10	88	CLWR	4	
2218	PM	221	0				G	51	01	10	88	CLWR	4	
2219	DV	260	120	99	6	OT	G	51	01	10	88	CLWR	4	
2220	LW	278	0	07			G	64	01	10	88	CLWR	4	
2221	MW	282	330	17		SC	G	64	01	10	88	CLWR	4	
2222	LW	330	0	16			G	64	01	10	88	CLWR	4	
2223	LW	327	0	06			G	64	01	10	88	CLWR	4	
2224	LW	310	0	16			G	64	01	10	88	CLWR	4	
2225	LW	271	0	07			G	64	01	10	88	CLWR	4	
2226	LW	300	0	16			G	64	01	10	88	CLWR	4	
2227	LW	307	0	16			G	64	01	10	88	CLWR	4	
2228	LW	330	0	16			G	64	01	10	88	CLWR	4	
2229	LW	342	0	06			G	64	01	10	88	CLWR	4	
2230	LW	333	0	06			G	64	01	10	88	CLWR	4	
2231	LW	322	0	06			G	64	01	10	88	CLWR	4	
2232	LW	323	0	16			G	64	01	10	88	CLWR	4	
2233	LW	314	0	17			G	64	01	10	88	CLWR	4	
2234	LW	283	0	07			G	64	01	10	88	CLWR	4	
2235	DV	382	485	16	8	OT	G	64	01	10	88	CLWR	4	5
2236	DV	303	250	99	5	OT	G	64	01	10	88	CLWR	4	
2237	LW	313	0	17			G	76	01	10	88	CLWR	4	
2238	LW	337	0	06			G	76	01	10	88	CLWR	4	
2239	LW	318	0	16			G	76	01	10	88	CLWR	4	
2240	LW	330	0	06			G	76	01	10	88	CLWR	4	
2241	LW	323	0	17			G	76	01	10	88	CLWR	4	
2242	LW	313	0	17			G	76	01	10	88	CLWR	4	
2243	LW	342	0	17			G	76	01	10	88	CLWR	4	
2244	LW	315	0				G	76	01	10	88	CLWR	4	
2245	LW	329	0	16			G	76	01	10	88	CLWR	4	
2246	LW	348	0	16			G	76	01	10	88	CLWR	4	
2247	LW	307	0	16			G	76	01	10	88	CLWR	4	
2248	LW	309	0	07			G	76	01	10	88	CLWR	4	
2249	LW	287	0	17			G	76	01	10	88	CLWR	4	
2250	LW	330	0	17			G	76	01	10	88	CLWR	4	
2251	DV	461	820	16	7	OT	G	76	01	10	88	CLWR	4	5
2252	DV	334	350	16	8	OT	G	76	01	10	88	CLWR	4	5
2253	DV	202	70	99	4	OT	G	76	01	10	88	CLWR	4	
2254	DV	383	560	99	7	OT	G	102	01	10	88	CLWR	4	5

APP1FALL FALL 1988 NETTING WILLISTON LAKE

SAMPL NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	M	C	MESH SIZE	DATE DY	M	YR	CAPT SITE	NT C
2596	LW	220	0				G	38	05	10	88	TRCR	4
2597	PM	205	0				G	38	05	10	88	TRCR	4
2598	DV	470	1020	16	9	OT	G	38	05	10	88	TRCR	4
2599	LW	265	0				G	51	05	10	88	TRCR	4
2600	LW	310	0				G	51	05	10	88	TRCR	4
2601	LW	260	0				G	51	05	10	88	TRCR	4
2602	LW	275	0				G	51	05	10	88	TRCR	4
2603	LW	265	0				G	51	05	10	88	TRCR	4
2604	LW	330	300	17	3	SC	G	51	05	10	88	TRCR	4
2605	LW	280	0				G	51	05	10	88	TRCR	4
2606	LW	230	110	99	2	SC	G	51	05	10	88	TRCR	4
2607	LW	310	0				G	51	05	10	88	TRCR	4
2608	LW	265	0				G	51	05	10	88	TRCR	4
2609	LW	275	0				G	51	05	10	88	TRCR	4
2610	LNS	235	140				G	51	05	10	88	TRCR	4
2611	DV	710	4700	19	18	OT	G	51	05	10	88	TRCR	4
2612	LW	280	0				G	64	05	10	88	TRCR	4
2613	LW	290	0				G	64	05	10	88	TRCR	4
2614	LW	330	0				G	64	05	10	88	TRCR	4
2615	LW	300	0				G	64	05	10	88	TRCR	4
2616	LW	325	0				G	64	05	10	88	TRCR	4
2617	LW	300	0				G	64	05	10	88	TRCR	4
2618	LW	285	0				G	64	05	10	88	TRCR	4
2619	LW	310	0				G	64	05	10	88	TRCR	4
2620	LW	290	0				G	64	05	10	88	TRCR	4
2621	LW	275	0				G	64	05	10	88	TRCR	4
2622	LW	315	0				G	64	05	10	88	TRCR	4
2623	LW	315	0				G	64	05	10	88	TRCR	4
2624	LW	315	0				G	64	05	10	88	TRCR	4
2625	LW	285	0				G	64	05	10	88	TRCR	4
2626	LW	285	0				G	64	05	10	88	TRCR	4
2627	LW	270	0				G	64	05	10	88	TRCR	4
2628	LW	280	0				G	64	05	10	88	TRCR	4
2629	DV	470	1100	16	11	OT	G	64	05	10	88	TRCR	4
2630	DV	390	620	16	5	OT	G	64	05	10	88	TRCR	4
2631	DV	335	280	16	7	OT	G	64	05	10	88	TRCR	4
2632	LW	300	0				G	76	05	10	88	TRCR	4
2633	LW	290	0				G	76	05	10	88	TRCR	4
2634	LW	315	0				G	76	05	10	88	TRCR	4
2635	LW	280	0				G	76	05	10	88	TRCR	4
2636	LW	285	0				G	76	05	10	88	TRCR	4
2637	LNS	320	0				G	76	05	10	88	TRCR	4
2638	RT	380	600	17	5	SC	G	76	05	10	88	TRCR	4
2639	DV	380	560	88	6	OT	G	76	05	10	88	TRCR	4
2640	DV	460	940	16			G	76	05	10	88	TRCR	4
2641	DV	440	800	16	8	OT	G	76	05	10	88	TRCR	4
2642	DV	460	950	16	10	OT	G	76	05	10	88	TRCR	4
2643	DV	485	1100	06	8	OT	G	76	05	10	88	TRCR	4
2644	DV	720	4400	16	9	OT	G	76	05	10	88	TRCR	4
2645	LW	305	0				G	64	05	10	88	TRCR	4
2660	LW	265	200	99	3	SC	G	51	07	10	88	FRCR	9
2661	LW	285	260	07	4	SC	G	51	07	10	88	FRCR	9
2662	LW	340	370	17	3	SC	G	64	07	10	88	FRCR	9
2663	LW	255	160	06	3	SC	G	64	07	10	88	FRCR	9
2664	LW	280	260	17	4	SC	G	64	07	10	88	FRCR	9
2665	LW	290	270	99	4	SC	G	64	07	10	88	FRCR	9
2666	LW	300	240	17	3	SC	G	64	07	10	88	FRCR	9
2667	LW	285	280	17	4	SC	G	64	07	10	88	FRCR	9
2668	LW	280	220	06	4	SC	G	64	07	10	88	FRCR	9
2669	LW	290	260	17	3	SC	G	64	07	10	88	FRCR	9
2670	LW	305	280	17	4	SC	G	64	07	10	88	FRCR	9
2671	LW	220	100	06	2	SC	G	64	07	10	88	FRCR	9
2672	LW	295	230	06	2	SC	G	64	07	10	88	FRCR	9
2673	LW	305	230	16	3	SC	G	64	07	10	88	FRCR	9
2674	LW	295	250	07	3	SC	G	64	07	10	88	FRCR	9
2675	LW	305	280	17	3	SC	G	76	07	10	88	FRCR	9
2676	LW	315	270	06	3	SC	G	76	07	10	88	FRCR	9
2677	LW	290	300	17	4	SC	G	76	07	10	88	FRCR	9
2680	DV	705	4200	19	10	OT	G	38	07	10	88	FRCR	6
2681	DV	380	520	06	6	OT	G	38	07	10	88	FRCR	6
2682	RT	300	300	99		SC	G	38	07	10	88	FRCR	6
2683	RT	275	250	16	2	SC	G	38	07	10	88	FRCR	6
2684	K	300	360	07	2	SC	G	38	07	10	88	FRCR	6

APP1FALL FALL 1988 NETTING WILLISTON LAKE

SAMPL NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	M	C	MESH SIZE	DATE DY	M	YR	CAPT SITE	NT C	P
2255	LW	175	45	99		SC	G	38	01	10	88	CLWR	5	
2256	PM	187	0				G	38	01	10	88	CLWR	5	
2257	PM	185	0				G	38	01	10	88	CLWR	5	
2258	PM	175	0				G	38	01	10	88	CLWR	5	
2259	K	252	150	99	2	SC	G	51	01	10	88	CLWR	5	
2260	LW	235	0	99			G	51	01	10	88	CLWR	5	
2261	LW	265	0	99			G	51	01	10	88	CLWR	5	
2262	LW	317	0	17			G	51	01	10	88	CLWR	5	
2263	LW	273	0	16			G	51	01	10	88	CLWR	5	
2264	LW	317	0	06			G	51	01	10	88	CLWR	5	
2265	LW	340	0	07			G	51	01	10	88	CLWR	5	
2266	LW	260	0	99			G	51	01	10	88	CLWR	5	
2267	LW	303	0	16			G	51	01	10	88	CLWR	5	
2268	LW	240	0				G	51	01	10	88	CLWR	5	
2269	LW	280	0	17			G	51	01	10	88	CLWR	5	
2270	LNS	339	0				G	51	01	10	88	CLWR	5	
2271	PM	236	0				G	51	01	10	88	CLWR	5	
2272	LNS	234	0				G	51	01	10	88	CLWR	5	
2273	LW	304	0	17			G	51	01	10	88	CLWR	5	
2274	LW	315	0	16			G	64	01	10	88	CLWR	5	
2275	LW	297	0	07			G	64	01	10	88	CLWR	5	
2276	LW	314	0	07			G	64	01	10	88	CLWR	5	
2277	LW	280	0	07			G	64	01	10	88	CLWR	5	
2278	LW	349	400	07	4	SC	G	64	01	10	88	CLWR	5	5
2279	LW	320	0	07			G	64	01	10	88	CLWR	5	
2280	LW	298	0	16			G	64	01	10	88	CLWR	5	
2281	LW	310	0	06			G	64	01	10	88	CLWR	5	
2282	LW	334	0	16			G	64	01	10	88	CLWR	5	
2283	LW	330	0	16			G	64	01	10	88	CLWR	5	
2284	LW	328	0	17			G	64	01	10	88	CLWR	5	
2285	LW	313	0	06			G	64	01	10	88	CLWR	5	
2286	LW	312	0	06			G	64	01	10	88	CLWR	5	
2287	MW	331	420	07		SC	G	64	01	10	88	CLWR	5	
2288	LW	318	0	07			G	64	01	10	88	CLWR	5	
2289	LW	292	0	17			G	64	01	10	88	CLWR	5	
2290	LW	310	0	07			G	64	01	10	88	CLWR	5	
2291	LNS	358	0				G	64	01	10	88	CLWR	5	
2292	RT	298	325	17	3	SC	G	64	01	10	88	CLWR	5	5
2293	RT	290	300	16	2	SC	G	64	01	10	88	CLWR	5	5
2294	DV	285	200	99	7	OT	G	64	01	10	88	CLWR	5	
2295	LT	395	700	99	5	OT	G	76	01	10	88	CLWR	5	5
2296	LW	314	0	07			G	76	01	10	88	CLWR	5	
2297	LW	285	0	07			G	76	01	10	88	CLWR	5	
2298	LW	302	0	17			G	76	01	10	88	CLWR	5	
2299	LW	313	0	16			G	76	01	10	88	CLWR	5	
2300	LW	310	0	17			G	76	01	10	88	CLWR	5	
2301	LW	270	0	07			G	76	01	10	88	CLWR	5	
2302	LW	290	0	16			G	76	01	10	88	CLWR	5	
2303	LNS	340	0				G	76	01	10	88	CLWR	5	
2304	LNS	340	0				G	76	01	10	88	CLWR	5	
2305	NSF	338	400				G	76	01	10	88	CLWR	5	
2306	DV	450	840	99	8	OT	G	76	01	10	88	CLWR	5	5
2307	LSS	442	0				G	102	01	10	88	CLWR	5	
2308	LSS	434	0				G	102	01	10	88	CLWR	5	
2309	LSS	428	0				G	102	01	10	88	CLWR	5	
2310	DV	429	860	16	5	OT	G	102	01	10	88	CLWR	5	5
2311	LNS	370	0				G	102	01	10	88	CLWR	5	
2312	LW	265	0	16			G	102	01	10	88	CLWR	5	
2313	LW	320	0	07			G	102	01	10	88	CLWR	5	
2314	LW	340	400	16	3	SC	G	76	01	10	88	CLWR	9	5
2315	LW	318	320	07			G	76	01	10	88	CLWR	9	
2316	LW	328	320	17	3	SC	G	76	01	10	88	CLWR	9	5
2317	LW	297	250	16	3	SC	G	76	01	10	88	CLWR	9	5
2318	LW	265	200	16			G	76	01	10	88	CLWR	9	
2319	LW	310	300	17			G	76	01	10	88	CLWR	9	
2320	LW	328	320	16			G	76	01	10	88	CLWR	9	
2321	LW	340	280	16			G	76	01	10	88	CLWR	9	
2322	LW	312	280	16			G	76	01	10	88	CLWR	9	
2323	LW	280	280	17			G	76	01	10	88	CLWR	9	
2324	LW	287	280	17			G	76	01	10	88	CLWR	9	
2325	LW	290	280	17			G	76	01	10	88	CLWR	9	
2326	LW	230	150	06			G	76	01	10	88	CLWR	9	
2327	LW	330	325	06			G	76	01	10	88	CLWR	9	

APP1FALL FALL 1988 NETTING WILLISTON LAKE

SAMPL NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	M	C	MESH SIZE	DATE DY	M	YR	CAPT SITE	N C
2685	K	285	300	17	3	SC	G	38	07	10	88	FRCR	6
2686	K	230	160	06	2	SC	G	38	07	10	88	FRCR	6
2687	LW	310	290	06	3	SC	G	38	07	10	88	FRCR	6
2688	PM	175	0				G	38	07	10	88	FRCR	6
2689	PM	185	0				G	38	07	10	88	FRCR	6
2690	PM	210	0				G	38	07	10	88	FRCR	6
2691	PM	185	0				G	38	07	10	88	FRCR	6
2692	LW	320	300	16	2	SC	G	51	07	10	88	FRCR	6
2693	LW	285	290	07	4	SC	G	51	07	10	88	FRCR	6
2694	LW	290	260	06	3	SC	G	51	07	10	88	FRCR	6
2695	LW	275	200	17	4	SC	G	51	07	10	88	FRCR	6
2696	LW	285	200	07	4	SC	G	51	07	10	88	FRCR	6
2697	LW	265	250	16		SC	G	51	07	10	88	FRCR	6
2698	LW	295	280	07	4	SC	G	51	07	10	88	FRCR	6
2699	LW	285	240	07	4	SC	G	51	07	10	88	FRCR	6
2700	LW	260	200	16	3	SC	G	51	07	10	88	FRCR	6
2701	K	300	350	17	3	SC	G	51	07	10	88	FRCR	6
2702	K	300	360	07	3	SC	G	51	07	10	88	FRCR	6
2703	K	300	350	07	3	SC	G	51	07	10	88	FRCR	6
2704	RT	385	600	07	4	SC	G	51	07	10	88	FRCR	6
2705	LW	305	260	07	3	SC	G	64	07	10	88	FRCR	6
2706	LW	310	290	07			G	64	07	10	88	FRCR	6
2707	LW	295	300	07			G	64	07	10	88	FRCR	6
2708	LW	295	260	07			G	64	07	10	88	FRCR	6
2709	LW	285	280	17			G	64	07	10	88	FRCR	6
2710	LW	290	280	07			G	64	07	10	88	FRCR	6
2711	RT	310	300	99		SC	G	64	07	10	88	FRCR	6
2712	K	250	240	07	2	SC	G	64	07	10	88	FRCR	6
2713	K	295	300	08	3	SC	G	64	07	10	88	FRCR	6
2714	K	290	340	08	3	SC	G	76	07	10	88	FRCR	6
2715	K	270	280	08	3	SC	G	76	07	10	88	FRCR	6
2716	K	270	260	18	2	SC	G	76	07	10	88	FRCR	6
2717	LW	295	280	17			G	76	07	10	88	FRCR	6
2718	LW	285	260	07			G	76	07	10	88	FRCR	6
2719	LW	270	260	07			G	76	07	10	88	FRCR	6
2720	RT	405	680	16	3	SC	G	76	07	10	88	FRCR	6
2721	K	300	380	17	3	SC	G	127	07	10	88	FRCR	6
2722	DV	704	3200	19	12	OT	G	127	07	10	88	FRCR	6
2723	MW	178	40	99		SC	G	38	08	10	88	FRCR	4
2724	PM	185	0				G	38	08	10	88	FRCR	4
2725	PM	207	0				G	38	08	10	88	FRCR	4
2726	MW	215	80	99		SC	G	38	08	10	88	FRCR	4
2727	PM	193	0				G	38	08	10	88	FRCR	4
2728	PM	199	0				G	38	08	10	88	FRCR	4
2729	LW	225	120	99	2	SC	G	38	08	10	88	FRCR	4
2730	PM	187	0				G	38	08	10	88	FRCR	4
2731	PM	205	0				G	38	08	10	88	FRCR	4
2732	PM	192	0				G	38	08	10	88	FRCR	4
2733	PM	180	0				G	38	08	10	88	FRCR	4
2734	PM	172	0				G	38	08	10	88	FRCR	4
2735	PM	183	0				G	38	08	10	88	FRCR	4
2736	PM	222	0				G	38	08	10	88	FRCR	4
2737	PM	217	0				G	38	08	10	88	FRCR	4
2738	PM	190	0				G	38	08	10	88	FRCR	4
2739	PM	187	0				G	38	08	10	88	FRCR	4
2740	PM	163	0				G	38	08	10	88	FRCR	4
2741	LW	255	0	99			G	38	08	10	88	FRCR	4
2742	LW	235	140	16	2	SC	G	38	08	10	88	FRCR	4
2743	LW	283	0	17			G	38	08	10	88	FRCR	4
2744	LW	302	0	17			G	38	08	10	88	FRCR	[illegible]
2745	LW	292	0	17			G	38	08	10	88	FRCR	[illegible]
2746	LW	270	0	07			G	38	08	10	88	FRCR	[illegible]
2747	LW	272	0	17			G	38	08	10	88	FRCR	[illegible]
2748	LW	242	165	07	3	SC	G	38	08	10	88	FRCR	[illegible]
2749	LW	218	110	06	2	SC	G	38	08	10	88	FRCR	[illegible]
2750	LW	166	40	99	1	SC	G	38	08	10	88	FRCR	[illegible]
2751	MW	182	50	99		SC	G	38	08	10	88	FRCR	[illegible]
2752	MW	202	80	99		SC	G	38	08	10	88	FRCR	[illegible]
2753	MW	179	40	99		SC	G	38	08	10	88	FRCR	[illegible]
2754	MW	184	60	99		SC	G	38	08	10	88	FRCR	[illegible]
2755	MW	175	30	99		SC	G	38	08	10	88	FRCR	[illegible]
2756	DV	387	610	16	8	OT	G	38	08	10	88	FRCR	[illegible]
2757	DV	630	2650	19		OT	G	38	08	10	88	FRCR	[illegible]

APP1FALL

FALL 1988 NETTING WILLISTON LAKE

SAMPL NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	M	C	MESH SIZE	DATE DY	M	YR	CAPT SITE	NT C P
2328	LW	323	280	06			G	76	01	10	88	CLWR	9
2329	LW	305	280	07			G	76	01	10	88	CLWR	9
2330	LW	335	360	06			G	76	01	10	88	CLWR	9
2331	LW	280	260	07			G	76	01	10	88	CLWR	9
2332	LW	285	240	07			G	64	01	10	88	CLWR	9
2333	LW	339	340	07			G	64	01	10	88	CLWR	9
2334	LW	297	270	07			G	64	01	10	88	CLWR	9
2335	LW	290	240	16			G	64	01	10	88	CLWR	9
2336	LW	322	280	17			G	64	01	10	88	CLWR	9
2337	LW	295	270	07			G	64	01	10	88	CLWR	9
2338	LW	264	270	07			G	64	01	10	88	CLWR	9
2339	LW	296	250	06			G	64	01	10	88	CLWR	9
2340	LW	276	220	07			G	64	01	10	88	CLWR	9
2341	LW	273	220	07			G	64	01	10	88	CLWR	9
2342	LW	290	260	07			G	64	01	10	88	CLWR	9
2343	LW	311	300	17			G	64	01	10	88	CLWR	9
2344	LW	287	240	07			G	64	01	10	88	CLWR	9
2345	LW	323	0	16			G	64	01	10	88	CLWR	9
2346	LW	332	0	06			G	64	01	10	88	CLWR	9
2347	LW	316	0				G	64	01	10	88	CLWR	9
2348	LW	249	0				G	64	01	10	88	CLWR	9
2349	LW	313	0				G	64	01	10	88	CLWR	9
2350	LW	323	0				G	64	01	10	88	CLWR	9
2351	LW	315	0				G	64	01	10	88	CLWR	9
2352	LW	314	0				G	64	01	10	88	CLWR	9

APP1FALL

FALL 1988 NETTING WILLISTON LAKE

SAMPL NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	M	C	MESH SIZE	DATE DY	M	YR	CAPT SITE	NT C
2758	DV	680	3050	16	13	OT	G	51	08	10	88	FRCR	4
2759	LW	300	0	07			G	51	08	10	88	FRCR	4
2760	LW	305	300	17	3	SC	G	51	08	10	88	FRCR	4
2761	PM	258	0				G	51	08	10	88	FRCR	4
2762	PM	224	0				G	51	08	10	88	FRCR	4
2763	PM	226	0				G	51	08	10	88	FRCR	4
2764	MW	278	210	16		SC	G	51	08	10	88	FRCR	4
2765	MW	226	120	99		SC	G	51	08	10	88	FRCR	4
2766	LW	264	0	06			G	51	08	10	88	FRCR	4
2767	LW	295	320	17	4	SC	G	51	08	10	88	FRCR	4
2768	LW	272	240	07	3	SC	G	51	08	10	88	FRCR	4
2769	LW	318	300	17	3	SC	G	51	08	10	88	FRCR	4
2770	LW	230	100		2	SC	G	51	08	10	88	FRCR	4
2771	LW	280	0	07			G	51	08	10	88	FRCR	4
2772	LW	295	0	17			G	51	08	10	88	FRCR	4
2773	LW	240	140	99	3	SC	G	51	08	10	88	FRCR	4
2774	LW	269	0	07			G	51	08	10	88	FRCR	4
2775	LW	280	0	17			G	51	08	10	88	FRCR	4
2776	LW	280	0	07			G	51	08	10	88	FRCR	4
2777	LW	280	0	17			G	51	08	10	88	FRCR	4
2778	LW	257	0	99			G	51	08	10	88	FRCR	4
2779	LW	230	120	99	2	SC	G	51	08	10	88	FRCR	4
2780	LW	290	0	07			G	51	08	10	88	FRCR	4
2781	LW	238	0	99			G	51	08	10	88	FRCR	4
2782	LW	230	125	99	2	SC	G	51	08	10	88	FRCR	4
2783	LW	274	0	07			G	51	08	10	88	FRCR	4
2784	LW	254	0	16			G	51	08	10	88	FRCR	4
2785	LW	280	0	07			G	51	08	10	88	FRCR	4
2786	LW	220	120	16	2	SC	G	51	08	10	88	FRCR	4
2787	LW	238	0	16			G	51	08	10	88	FRCR	4
2788	PM	221	0				G	51	08	10	88	FRCR	4
2789	PM	210	0				G	51	08	10	88	FRCR	4
2790	RT	372	570	99	3	SC	G	51	08	10	88	FRCR	4
2791	LING	350	220	06	6	OT	G	51	08	10	88	FRCR	4
2792	LING	451	380	06	6	OT	G	51	08	10	88	FRCR	4
2793	DV	304	240	16	5	OT	G	51	08	10	88	FRCR	4
2794	DV	540	650	06	10	OT	G	64	08	10	88	FRCR	4
2795	LW	308	0				G	64	08	10	88	FRCR	4
2796	LW	279	0				G	64	08	10	88	FRCR	4

APP1FALL FALL 1988 NETTING WILLISTON LAKE

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	Md	C M	MESH SIZE	DATE DY	MO	YR	CAPT SITE	X	P
2797	LW	289	0				G	64	08	10	88	FRCR	4	
2798	LW	278	0				G	64	08	10	88	FRCR	4	
2799	LW	275	0				G	64	08	10	88	FRCR	4	
2800	LW	290	0				G	64	08	10	88	FRCR	4	
2801	LW	297	0				G	64	08	10	88	FRCR	4	
2802	LW	285	0				G	64	08	10	88	FRCR	4	
2803	LW	280	0				G	64	08	10	88	FRCR	4	
2804	MW	275	220	07		SC	G	64	08	10	88	FRCR	4	
2805	LW	310	0				G	64	08	10	88	FRCR	4	
2806	LW	290	0				G	64	08	10	88	FRCR	4	
2807	LW	283	0				G	64	08	10	88	FRCR	4	
2808	LW	280	0				G	64	08	10	88	FRCR	4	
2809	LW	292	0				G	64	08	10	88	FRCR	4	
2810	LW	290	0	16			G	64	08	10	88	FRCR	4	
2811	LW	295	0				G	64	08	10	88	FRCR	4	
2812	LW	283	0	17			G	64	08	10	88	FRCR	4	
2813	LW	292	0				G	64	08	10	88	FRCR	4	
2814	LW	274	0	07			G	64	08	10	88	FRCR	4	
2815	LW	268	0	06			G	64	08	10	88	FRCR	4	
2816	LSS	272	0				G	64	08	10	88	FRCR	4	
2817	DV	413	560	99	7	OT	G	64	08	10	88	FRCR	4	
2818	DV	384	520	99	6	OT	G	64	08	10	88	FRCR	4	
2819	DV	388	515	16	7	OT	G	64	08	10	88	FRCR	4	
2820	DV	353	410	99	8	OT	G	64	08	10	88	FRCR	4	
2821	MW	270	220	99		SC	G	64	08	10	88	FRCR	4	
2822	LW	292	0	17			G	76	08	10	88	FRCR	4	
2823	LW	300	0	17			G	76	08	10	88	FRCR	4	
2824	LW	275	0	17			G	76	08	10	88	FRCR	4	
2825	LW	260	0	06			G	76	08	10	88	FRCR	4	
2826	LW	250	0	99			G	76	08	10	88	FRCR	4	
2827	LW	230	120	99	2	SC	G	76	08	10	88	FRCR	4	
2828	LW	250	0	06			G	76	08	10	88	FRCR	4	
2829	LW	320	300	06	3	SC	G	76	08	10	88	FRCR	4	5
2830	DV	252	140	99	4	OT	G	76	08	10	88	FRCR	4	
2831	LW	260	0	07			G	102	08	10	88	FRCR	4	
2832	LNS	210	0				G	38	08	10	88	FRCR	5	
2833	PM	170	0				G	38	08	10	88	FRCR	4	
2834	PM	183	0				G	0	08	10	88	FRCR	5	
2835	PM	195	0				G	38	08	10	88	FRCR	5	
2836	PM	194	0				G	38	08	10	88	FRCR	5	
2837	PM	205	0				G	38	08	10	88	FRCR	5	
2838	PM	178	0				G	38	08	10	88	FRCR	5	
2839	PM	174	0				G	38	08	10	88	FRCR	5	
2840	MW	195	65	16		SC	G	38	08	10	88	FRCR	5	
2841	DV	330	240	16	8	OT	G	38	08	10	88	FRCR	5	
2842	DV	334	340	16	5	OT	G	38	08	10	88	FRCR	5	
2843	DV	234	90	99	5	OT	G	38	08	10	88	FRCR	5	
2844	LING	429	320	16	6	OT	G	38	08	10	88	FRCR	5	
2845	LW	225	120	99	2	SC	G	51	08	10	88	FRCR	5	
2846	PM	210	0				G	51	08	10	88	FRCR	5	
2847	PM	237	0				G	51	08	10	88	FRCR	5	
2848	LSS	330	0				G	51	08	10	88	FRCR	5	
2849	LW	270	0				G	51	08	10	88	FRCR	5	
2850	LW	243	0				G	51	08	10	88	FRCR	5	
2851	LW	225	0				G	51	08	10	88	FRCR	5	
2852	LW	302	0				G	51	08	10	88	FRCR	5	
2853	LW	272	0				G	51	08	10	88	FRCR	5	
2854	LW	278	0				G	51	08	10	88	FRCR	5	
2855	LW	278	0				G	51	08	10	88	FRCR	5	
2856	LW	240	0				G	51	08	10	88	FRCR	5	
2857	PM	222	0				G	51	08	10	88	FRCR	5	

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	Md	C M	MESH SIZE	DATE DY	MO	YR	CAPT SITE	X	P
3187	PM	179	0				G	38	3	10	88	HEPT	9	
3188	PM	168	0				G	38	15	10	88	HEPT	9	
3189	PM	184	0				G	38	15	10	88	HEPT	9	
3190	PM	171	0				G	38	15	10	88	HEPT	9	
3191	PM	204	0				G	38	15	10	88	HEPT	9	
3192	PM	169	0				G	38	15	10	88	HEPT	9	
3193	PM	168	0				G	38	15	10	88	HEPT	9	
3194	PM	169	0				G	38	15	10	88	HEPT	9	
3195	PM	158	0				G	38	15	10	88	HEPT	9	
3196	PM	157	0				G	38	15	10	88	HEPT	9	
3197	PM	186	0				G	38	15	10	88	HEPT	9	
3198	PM	172	0				G	38	15	10	88	HEPT	9	
3199	PM	184	0				G	38	15	10	88	HEPT	9	
3200	PM	184	0				G	38	15	10	88	HEPT	9	
3201	PM	165	0				G	38	15	10	88	HEPT	9	
3202	PM	170	0				G	38	15	10	88	HEPT	9	
3203	PM	190	0				G	38	15	10	88	HEPT	9	
3204	PM	175	0				G	38	15	10	88	HEPT	9	
3205	PM	169	0				G	38	15	10	88	HEPT	9	
3206	PM	188	0				G	38	15	10	88	HEPT	9	
3207	PM	175	0				G	38	15	10	88	HEPT	9	
3208	PM	163	0				G	38	15	10	88	HEPT	9	
3209	PM	172	0				G	38	15	10	88	HEPT	9	
3210	LW	192	100	99	1	SC	G	38	15	10	88	HEPT	9	5
3211	LW	187	70	99	1	SC	G	38	15	10	88	HEPT	9	5
3212	LW	164	25	99	1	SC	G	38	15	10	88	HEPT	9	
3213	LW	190	80	99		SC	G	38	15	10	88	HEPT	9	
3214	LW	178	65	99		SC	G	38	15	10	88	HEPT	9	
3215	LW	240	130	16			G	51	15	10	88	HEPT	9	
3216	PM	208	0				G	51	15	10	88	HEPT	9	
3217	LW	300	300	17			G	64	15	10	88	HEPT	9	
3218	LW	242	135	06			G	64	15	10	88	HEPT	9	
3219	LW	283	260	07			G	64	15	10	88	HEPT	9	
3222	DV	840	8200		11	OT	A	0	16	10	88	FINB		5
3224	LW	215	100				G	38	17	10	88	BLWR	5	
3225	LW	225	145				G	38	17	10	88	BLWR	5	
3226	LW	190	0				G	38	17	10	88	BLWR	5	
3227	LW	175	0				G	38	17	10	88	BLWR	5	
3228	LW	190	0				G	38	17	10	88	BLWR	5	
3229	LW	175	0				G	38	17	10	88	BLWR	5	
3230	LW	180	0				G	38	17	10	88	BLWR	5	
3231	LW	225	0				G	38	17	10	88	BLWR	5	
3232	PM	195	0				G	38	17	10	88	BLWR	5	
3233	PM	180	0				G	38	17	10	88	BLWR	5	
3234	PM	188	0				G	38	17	10	88	BLWR	5	
3235	PM	182	0				G	38	17	10	88	BLWR	5	
3236	PM	190	0				G	38	17	10	88	BLWR	5	
3237	PM	170	0				G	38	17	10	88	BLWR	5	
3238	PM	163	0				G	38	17	10	88	BLWR	5	
3239	PM	179	0				G	38	17	10	88	BLWR	5	
3240	PM	187	0				G	38	17	10	88	BLWR	5	
3241	PM	175	0				G	38	17	10	88	BLWR	5	
3242	PM	180	0				G	38	17	10	88	BLWR	5	
3243	PM	176	0				G	38	17	10	88	BLWR	5	
3244	PM	165	0				G	38	17	10	88	BLWR	5	
3245	LT	390	670	16	4	OT	G	38	17	10	88	BLWR	5	5
3246	DV	222	100	99	6	OT	G	38	17	10	88	BLWR	5	5
3247	PM	185	0				G	38	17	10	88	BLWR	5	
3248	PM	210	0				G	38	17	10	88	BLWR	5	
3249	LW	195	0				G	38	17	10	88	BLWR	5	
3250	LW	321	0				G	51	17	10	88	BLWR	5	

APP1FALL FALL 1988 NETTING WILLISTON LAKE

AMPLE NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	Md	C M	MESH SIZE	DATE DY	MO	YR	CAPT SITE	X	P
2858	LING	344	200	16	4	OT	G	51	08	10	88	FRCR	5	
2859	LING	338	200	16	4	OT	G	51	08	10	88	FRCR	5	
2860	LW	300	0				G	64	08	10	88	FRCR	5	
2861	LW	310	0				G	64	08	10	88	FRCR	5	
2862	LW	284	0				G	64	08	10	88	FRCR	5	
2863	LW	282	0	07			G	64	08	10	88	FRCR	5	
2864	LW	308	0	17			G	64	08	10	88	FRCR	5	
2865	LW	326	0	07			G	64	08	10	88	FRCR	5	
2866	LW	280	0	07			G	64	08	10	88	FRCR	5	
2867	LW	240	0	06			G	64	08	10	88	FRCR	5	
2868	LW	277	0	07			G	64	08	10	88	FRCR	5	
2869	LW	294	0	17			G	64	08	10	88	FRCR	5	
2870	LW	276	0	17			G	64	08	10	88	FRCR	5	
2871	LW	284	0	07			G	64	08	10	88	FRCR	5	
2872	LW	272	0	16			G	64	08	10	88	FRCR	5	
2873	LW	290	0	07			G	64	08	10	88	FRCR	5	
2874	NSF	360	700				G	64	08	10	88	FRCR	5	
2875	LNS	290	0				G	64	08	10	88	FRCR	5	
2876	DV	244	120		6	OT	G	64	08	10	88	FRCR	5	
2877	LING	407	400	06	6	OT	G	64	08	10	88	FRCR	5	5
2878	LW	320	0	06			G	76	08	10	88	FRCR	5	
2879	LW	290	0	17			G	76	08	10	88	FRCR	5	
2880	LW	290	280	17	3	SC	G	76	08	10	88	FRCR	5	5
2881	LW	330	290	06	4	SC	G	76	08	10	88	FRCR	5	5
2882	LNS	323	0				G	76	08	10	88	FRCR	5	
2883	LSS	339	0				G	76	08	10	88	FRCR	5	
2884	DV	234	120	99	5	OT	G	76	08	10	88	FRCR	5	
2885	LW	293	0				G	102	08	10	88	FRCR	5	
2886	NSF	413	900				G	102	08	10	88	FRCR	5	
2900	PM	185	0				G	38	14	10	88	HEPT	4	
2901	PM	175	40				G	38	14	10	88	HEPT	4	
2902	PM	185	60				G	38	14	10	88	HEPT	4	
2903	PM	220	100				G	38	14	10	88	HEPT	4	
2904	PM	175	40				G	38	14	10	88	HEPT	4	
2905	PM	175	50				G	38	14	10	88	HEPT	4	
2906	PM	205	100				G	38	14	10	88	HEPT	4	
2907	PM	185	60				G	38	14	10	88	HEPT	4	
2908	PM	190	60				G	38	14	10	88	HEPT	4	
2909	PM	185	65				G	38	14	10	88	HEPT	4	
2910	PM	165	40				G	38	14	10	88	HEPT	4	
2911	PM	200	80				G	38	14	10	88	HEPT	4	
2912	PM	165	40				G	38	14	10	88	HEPT	4	
2913	PM	170	40				G	38	14	10	88	HEPT	4	
2914	PM	200	80				G	38	14	10	88	HEPT	4	
2915	PM	185	60				G	38	14	10	88	HEPT	4	
2916	PM	165	40				G	38	14	10	88	HEPT	4	
2917	PM	170	40				G	38	14	10	88	HEPT	4	
2918	PM	210	105				G	38	14	10	88	HEPT	4	
2919	PM	185	60				G	38	14	10	88	HEPT	4	
2920	PM	165	30				G	38	14	10	88	HEPT	4	
2921	LW	185	60	99			G	38	14	10	88	HEPT	4	
2922	LW	210	100	99			G	38	14	10	88	HEPT	4	
2923	LW	185	60	99			G	38	14	10	88	HEPT	4	
2924	LW	200	60	99			G	38	14	10	88	HEPT	4	
2925	PM	215	0				G	38	14	10	88	HEPT	4	
2926	PM	165	0				G	38	14	10	88	HEPT	4	
2927	LW	180	0				G	38	14	10	88	HEPT	4	
2928	LW	200	0				G	38	14	10	88	HEPT	4	
2929	LW	220	0				G	38	14	10	88	HEPT	4	
2930	PM	190	0				G	38	14	10	88	HEPT	4	
2931	PM	175	0				G	38	14	10	88	HEPT	4	

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	Md	C M	MESH SIZE	DATE DY	MO	YR	CAPT SITE	X	P
3251	LW	291	0				G	51	17	10	88	BLWR	5	
3252	LW	290	0				G	51	17	10	88	BLWR	5	
3253	LW	334	0				G	51	17	10	88	BLWR	5	
3254	LW	249	0				G	51	17	10	88	BLWR	5	
3255	LW	280	0				G	51	17	10	88	BLWR	5	
3256	LW	223	0				G	51	17	10	88	BLWR	5	
3257	LW	320	0				G	51	17	10	88	BLWR	5	
3258	LW	279	0				G	51	17	10	88	BLWR	5	
3259	LW	300	0				G	51	17	10	88	BLWR	5	
3260	LW	288	0				G	51	17	10	88	BLWR	5	
3261	LW	221	0				G	51	17	10	88	BLWR	5	
3262	LW	269	0				G	51	17	10	88	BLWR	5	
3263	LW	267	0				G	51	17	10	88	BLWR	5	
3264	LW	225	0				G	51	17	10	88	BLWR	5	
3265	LW	235	0				G	51	17	10	88	BLWR	5	
3266	LW	297	0				G	51	17	10	88	BLWR	5	
3267	LW	265	0				G	51	17	10	88	BLWR	5	
3268	LW	239	0				G	51	17	10	88	BLWR	5	
3269	LW	283	0				G	51	17	10	88	BLWR	5	
3270	LW	288	0				G	51	17	10	88	BLWR	5	
3271	LW	280	0				G	51	17	10	88	BLWR	5	
3272	LW	287	0				G	51	17	10	88	BLWR	5	
3273	LW	230	0				G	51	17	10	88	BLWR	5	
3299	LW	227	0				G	51	17	10	88	BLWR	5	
3300	LNS	253	200				G	51	17	10	88	BLWR	5	
3301	LNS	258	220				G	51	17	10	88	BLWR	5	
3302	LNS	350	500				G	51	17	10	88	BLWR	5	
3303	LSS	393	810				G	51	17	10	88	BLWR	5	
3304	LW	278	0				G	51	17	10	88	BLWR	5	
3305	NSF	266	220				G	51	17	10	88	BLWR	5	
3306	DV	355	440	16	6	OT	G	51	17	10	88	BLWR	5	5
3307	LING	386	350	06	7	OT	G	51	17	10	88	BLWR	5	5
3308	LW	285	0				G	64	17	10	88	BLWR	5	
3309	LW	287	0				G	64	17	10	88	BLWR	5	
3310	LW	321	0				G	64	17	10	88	BLWR	5	
3311	LW	296	0				G	64	17	10	88	BLWR	5	
3312	LW	311	0				G	64	17	10	88	BLWR	5	
3313	LW	305	0				G	64	17	10	88	BLWR	5	
3314	LW	288	0				G	64	17	10	88	BLWR	5	
3315	LW	299	0				G	64	17	10	88	BLWR	5	
3316	LSS	350	600				G	64	17	10	88	BLWR	5	
3317	LSS	352	540				G	64	17	10	88	BLWR	5	
3318	LNS	345	480				G	64	17	10	88	BLWR	5	
3319	LNS	347	480				G	64	17	10	88	BLWR	5	
3320	LNS	308	340				G	64	17	10	88	BLWR	5	
3321	LW	302	0				G	64	17	10	88	BLWR	5	
3322	NSF	284	260				G	64	17	10	88	BLWR	5	
3323	NSF	274	260				G	64	17	10	88	BLWR	5	
3324	LSS	320	460				G	64	17	10	88	BLWR	5	
3325	LING	422	390	16	10	OT	G	64	17	10	88	BLWR	5	5
3326	LW	348	360	06	3	SC	G	76	17	10	88	BLWR	5	5
3327	LW	303	0				G	76	17	10	88	BLWR	5	
3328	LNS	365	520				G	76	17	10	88	BLWR	5	
3329	LNS	325	440				G	76	17	10	88	BLWR	5	
3330	LNS	335	460				G	76	17	10	88	BLWR	5	
3333	LW	185	0				G	38	17	10	88	BLWR	9	
3334	LW	180	0				G	38	17	10	88	BLWR	9	
3335	LW	176	0				G	38	17	10	88	BLWR	9	
3336	LW	170	0				G	38	17	10	88	BLWR	9	
3337	LW	172	0				G	38	17	10	88	BLWR	9	
3338	LW	176	0				G	38	17	10	88	BLWR	9	

APP1FALL FALL 1988 NETTING WILLISTON LAKE

AMPLE NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	Md	C M	MESH SIZE	DATE DY	MO	YR	CAPT SITE	X	P
2932	PM	185	0				G	38	14	10	88	HEPT	4	
2933	PM	185	0				G	38	14	10	88	HEPT	4	
2934	PM	190	0				G	38	14	10	88	HEPT	4	
2935	PM	185	0				G	38	14	10	88	HEPT	4	
2936	PM	170	0				G	38	14	10	88	HEPT	4	
2937	PM	160	0				G	38	14	10	88	HEPT	4	
2938	PM	190	0				G	38	14	10	88	HEPT	4	
2939	PM	175	0				G	38	14	10	88	HEPT	4	
2940	PM	165	0				G	38	14	10	88	HEPT	4	
2941	PM	160	0				G	38	14	10	88	HEPT	4	
2942	PM	205	0				G	38	14	10	88	HEPT	4	
2943	LW	185	0				G	38	14	10	88	HEPT	4	
2944	LW	215	0				G	38	14	10	88	HEPT	4	
2945	LW	195	0				G	38	14	10	88	HEPT	4	
2946	LW	200	0				G	38	14	10	88	HEPT	4	
2947	LW	175	0				G	38	14	10	88	HEPT	4	
2948	LW	190	0				G	38	14	10	88	HEPT	4	
2949	PM	185	0				G	38	14	10	88	HEPT	4	
2950	PM	205	0				G	38	14	10	88	HEPT	4	
2951	PM	170	0				G	38	14	10	88	HEPT	4	
2952	LW	170	0				G	38	14	10	88	HEPT	4	
2953	PM	165	0				G	38	14	10	88	HEPT	4	
2954	PM	185	0				G	38	14	10	88	HEPT	4	
2955	LW	180	0				G	38	14	10	88	HEPT	4	
2956	PM	185	0				G	38	14	10	88	HEPT	4	
2957	PM	180	0				G	38	14	10	88	HEPT	4	
2958	PM	180	0				G	38	14	10	88	HEPT	4	
2959	LW	180	0				G	38	14	10	88	HEPT	4	
2960	PM	185	0				G	38	14	10	88	HEPT	4	
2961	LW	190	0				G	38	14	10	88	HEPT	4	
2962	PM	155	0				G	38	14	10	88	HEPT	4	
2963	PM	180	0				G	38	14	10	88	HEPT	4	
2964	PM	180	0				G	38	14	10	88	HEPT	4	
2965	LW	180	0				G	38	14	10	88	HEPT	4	
2966	PM	195	0				G	38	14	10	88	HEPT	4	
2967	PM	175	0				G	38	14	10	88	HEPT	4	
2968	PM	185	0				G	38	14	10	88	HEPT	4	
2969	PM	175	0				G	38	14	10	88	HEPT	4	
2970	LW	185	0				G	38	14	10	88	HEPT	4	
2971	PM	175	0				G	38	14	10	88	HEPT	4	
2972	PM	190	0				G	38	14	10	88	HEPT	4	
2973	PM	210	0				G	38	14	10	88	HEPT	4	
2974	LW	170	0				G	38	14	10	88	HEPT	4	
2975	PM	180	0				G	38	14	10	88	HEPT	4	
2976	PM	170	0				G	38	14	10	88	HEPT	4	
2977	PM	195	0				G	38	14	10	88	HEPT	4	
2978	PM	165	0				G	38	14	10	88	HEPT	4	
2979	PM	175	0				G	38	14	10	88	HEPT	4	
2980	LW	175	0				G	38	14	10	88	HEPT	4	
2981	LW	200	0				G	38	14	10	88	HEPT	4	
2982	PM	185	0				G	38	14	10	88	HEPT	4	
2983	PM	165	0				G	38	14	10	88	HEPT	4	
2984	PM	155	0				G	38	14	10	88	HEPT	4	
2985	DV	250	140	16	7	OT	G	38	14	10	88	HEPT	4	5
2986	DV	350	400	16	6	OT	G	38	14	10	88	HEPT	4	5
2987	LW	305	0	07			G	51	14	10	88	HEPT	4	
2988	LW	240	0	99			G	51	14	10	88	HEPT	4	
2989	LW	275	0	07			G	51	14	10	88	HEPT	4	
2990	LW	265	0	16			G	51	14	10	88	HEPT	4	
2991	NSF	295	300				G	51	14	10	88	HEPT	4	
2992	NSF	300	280				G	51	14	10	88	HEPT	4	

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	Md	C M	MESH SIZE	DATE DY	MO	YR	CAPT SITE	X	P
3339	LW	184	0				G	38	17	10	88	BLWR	9	
3340	LW	179	0				G	38	17	10	88	BLWR	9	
3341	LW	278	0				G	51	17	10	88	BLWR	9	
3342	LW	271	0				G	51	17	10	88	BLWR	9	
3343	LW	279	0				G	51	17	10	88	BLWR	9	
3344	LW	273	0				G	51	17	10	88	BLWR	9	
3345	LW	295	0				G	51	17	10	88	BLWR	9	
3346	LW	220	0				G	51	17	10	88	BLWR	9	
3347	LW	280	0				G	51	17	10	88	BLWR	9	
3348	LW	260	0				G	51	17	10	88	BLWR	9	
3349	LW	273	0				G	51	17	10	88	BLWR	9	
3350	LW	199	0				G	51	17	10	88	BLWR	9	
3351	LW	230	0				G	51	17	10	88	BLWR	9	
3352	LW	234	0				G	51	17	10	88	BLWR	9	
3353	LW	228	0				G	51	17	10	88	BLWR	9	
3354	LW	251	0				G	51	17	10	88	BLWR	9	
3355	LW	243	0				G	51	17	10	88	BLWR	9	
3356	LW	250	0				G	51	17	10	88	BLWR	9	
3357	LW	225	0				G	51	17	10	88	BLWR	9	
3358	LW	227	0				G	51	17	10	88	BLWR	9	
3359	LW	253	0				G	51	17	10	88	BLWR	9	
3360	LW	227	0				G	51	17	10	88	BLWR	9	
3361	LW	228	0				G	51	17	10	88	BLWR	9	
3362	LW	275	0				G	51	17	10	88	BLWR	9	
3363	LW	241	0				G	51	17	10	88	BLWR	9	
3364	LW	285	0				G	64	17	10	88	BLWR	9	
3365	LW	274	0				G	64	17	10	88	BLWR	9	
3366	LW	250	0				G	64	17	10	88	BLWR	9	
3367	LW	220	0				G	64	17	10	88	BLWR	9	
3368	LW	189	0				G	64	17	10	88	BLWR	9	
3369	LW	283	0				G	64	17	10	88	BLWR	9	
3370	LW	242	0				G	64	17	10	88	BLWR	9	
3371	LW	306	0				G	64	17	10	88	BLWR	9	
3372	LW	289	0				G	64	17	10	88	BLWR	9	
3373	LW	300	0				G	64	17	10	88	BLWR	9	
3374	LW	305	0				G	64	17	10	88	BLWR	9	
3375	LW	277	0				G	64	17	10	88	BLWR	9	
3376	LW	290	0				G	64	17	10	88	BLWR	9	
3377	LW	280	0				G	64	17	10	88	BLWR	9	
3378	LW	286	0				G	64	17	10	88	BLWR	9	
3379	LW	267	0				G	64	17	10	88	BLWR	9	
3380	LW	283	0				G	64	17	10	88	BLWR	9	
3381	LW	256	0				G	64	17	10	88	BLWR	9	
3382	LW	285	0				G	64	17	10	88	BLWR	9	
3383	LW	304	0				G	64	17	10	88	BLWR	9	
3384	LW	256	0				G	64	17	10	88	BLWR	9	
3385	LW	281	0				G	64	17	10	88	BLWR	9	
3386	LW	298	0				G	64	17	10	88	BLWR	9	
3387	LW	272	0				G	64	17	10	88	BLWR	9	
3388	LW	310	0				G	64	17	10	88	BLWR	9	
3389	LW	291	0				G	64	17	10	88	BLWR	9	
3390	LW	276	0				G	64	17	10	88	BLWR	9	
3391	LW	283	0				G	64	17	10	88	BLWR	9	
3392	LW	285	0				G	64	17	10	88	BLWR	9	
3393	LW	276	0				G	64	17	10	88	BLWR	9	
3394	LW	276	0				G	64	17	10	88	BLWR	9	
3395	LW	305	0				G	64	17	10	88	BLWR	9	
3396	LW	302	0				G	64	17	10	88	BLWR	9	
3397	LW	283	0				G	64	17	10	88	BLWR	9	
3398	LW	309	0				G	64	17	10	88	BLWR	9	
3399	LW	290	0				G	64	17	10	88	BLWR	9	

APP1FALL FALL 1988 NETTING WILLISTON LAKE

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	AGE Md	C M	MESH SIZE	DATE DY	MO	YR	CAPT SITE	X	P
2993	LW	190	0				G	51	14	10	88	HEPT	4	
2994	LW	275	0				G	51	14	10	88	HEPT	4	
2995	LW	170	0				G	51	14	10	88	HEPT	4	
2996	LW	225	0				G	51	14	10	88	HEPT	4	
2997	LW	215	0				G	51	14	10	88	HEPT	4	
2998	LW	300	0	16			G	51	14	10	88	HEPT	4	
2999	LW	230	0				G	51	14	10	88	HEPT	4	
3000	LW	215	0				G	51	14	10	88	HEPT	4	
3001	LW	230	0				G	51	14	10	88	HEPT	4	
3002	PM	200	0				G	51	14	10	88	HEPT	4	
3003	PM	210	0				G	51	14	10	88	HEPT	4	
3004	NSF	240	120				G	51	14	10	88	HEPT	4	
3005	LNS	325	410				G	51	14	10	88	HEPT	4	
3006	LW	170	0				G	51	14	10	88	HEPT	4	
3007	LW	305	0	07			G	51	14	10	88	HEPT	4	
3008	LW	225	0				G	51	14	10	88	HEPT	4	
3009	LW	240	0				G	51	14	10	88	HEPT	4	
3010	PM	185	0				G	51	14	10	88	HEPT	4	
3011	PM	215	0				G	51	14	10	88	HEPT	4	
3012	PM	185	0				G	51	14	10	88	HEPT	4	
3013	PM	180	0				G	51	14	10	88	HEPT	4	
3014	PM	175	0				G	51	14	10	88	HEPT	4	
3015	RT	315	380	17	3	SC	G	51	14	10	88	HEPT	4	5
3016	RT	320	350	16	3	SC	G	51	14	10	88	HEPT	4	5
3017	LW	305	0	17			G	64	14	10	88	HEPT	4	5
3018	LW	275	0	07			G	64	14	10	88	HEPT	4	5
3019	LSS	390	700				G	64	14	10	88	HEPT	4	5
3020	LSS	305	300				G	64	14	10	88	HEPT	4	5
3021	LNS	255	200				G	64	14	10	88	HEPT	4	5
3022	LNS	280	280				G	64	14	10	88	HEPT	4	5
3023	NSF	295	290				G	64	14	10	88	HEPT	4	5
3024	NSF	320	350				G	64	14	10	88	HEPT	4	5
3025	LING	345	290	06	6	OT	G	64	14	10	88	HEPT	4	5
3026	LW	280	0	17			G	76	14	10	88	HEPT	4	
3027	LNS	350	440				G	76	14	10	88	HEPT	4	
3028	LNS	320	430				G	76	14	10	88	HEPT	4	
3029	LNS	355	480				G	76	14	10	88	HEPT	4	
3030	NSF	450	1190	16			G	102	14	10	88	HEPT	4	
3031	NSF	325	340				G	127	14	10	88	HEPT	4	
3032	DV	310	290	16	5	OT	G	127	14	10	88	HEPT	4	5
3033	LING	830	3800	07	9	OT	G	127	14	10	88	HEPT	4	5
3034	LING	610	1880	17	10	OT	G	127	14	10	88	HEPT	4	5
3040	PM	170	0				G	38	14	10	88	HEPT	6	
3041	RT	225	120	16	1	SC	G	38	14	10	88	HEPT	6	5
3042	RT	255	180	06	2	SC	G	38	14	10	88	HEPT	6	5
3043	RT	330	410	07		SC	G	38	14	10	88	HEPT	6	5
3044	LW	285	0				G	51	14	10	88	HEPT	6	
3045	LW	295	0	17			G	51	14	10	88	HEPT	6	
3046	LW	310	0				G	51	14	10	88	HEPT	6	
3047	LW	265	0				G	51	14	10	88	HEPT	6	
3048	LW	290	0				G	51	14	10	88	HEPT	6	
3049	LW	275	0				G	51	14	10	88	HEPT	6	
3050	LW	275	0				G	51	14	10	88	HEPT	6	
3051	RT	225	130	99	1	SC	G	51	14	10	88	HEPT	6	5
3052	RT	250	160	99	1	SC	G	51	14	10	88	HEPT	6	5
3053	RT	305	270	16	2	SC	G	64	14	10	88	HEPT	6	5
3054	RT	305	300	16	2	SC	G	64	14	10	88	HEPT	6	5
3055	RT	250	160	99	2	SC	G	64	14	10	88	HEPT	6	5
3056	LW	285	0				G	64	14	10	88	HEPT	6	
3057	LW	285	0				G	64	14	10	88	HEPT	6	
3058	LW	290	0				G	64	14	10	88	HEPT	6	
3400	LW	315	0				G	64	17	10	88	BLWR	9	
3401	LW	268	0				G	64	17	10	88	BLWR	9	
3402	LW	280	0				G	64	17	10	88	BLWR	9	
3403	LW	277	0				G	64	17	10	88	BLWR	9	
3404	LW	279	0				G	64	17	10	88	BLWR	9	
3405	LW	307	0				G	64	17	10	88	BLWR	9	
3406	LW	286	0				G	64	17	10	88	BLWR	9	
3407	LW	322	0				G	64	17	10	88	BLWR	9	
3408	LW	321	0				G	64	17	10	88	BLWR	9	
3409	LW	285	0				G	64	17	10	88	BLWR	9	
3410	LW	241	0				G	64	17	10	88	BLWR	9	
3411	LW	275	0				G	76	17	10	88	BLWR	9	
3412	LW	340	0				G	76	17	10	88	BLWR	9	
3415	PM	195	80				G	38	18	10	88	BLWR	6	
3416	PM	183	50				G	38	18	10	88	BLWR	6	
3417	LW	195	70				G	38	18	10	88	BLWR	6	
3418	RT	238	150	99	1	SC	G	38	18	10	88	BLWR	6	5
3419	RT	374	600	07	4	SC	G	38	18	10	88	BLWR	6	5
3420	LW	315	340				G	51	18	10	88	BLWR	6	
3421	LW	285	280				G	51	18	10	88	BLWR	6	
3422	LW	280	0				G	51	18	10	88	BLWR	6	
3423	LW	300	330				G	51	18	10	88	BLWR	6	
3424	LW	285	280				G	51	18	10	88	BLWR	6	
3425	LW	322	320				G	51	18	10	88	BLWR	6	
3426	LW	240	160		2	SC	G	51	18	10	88	BLWR	6	
3427	LW	290	260				G	51	18	10	88	BLWR	6	
3428	LW	267	225				G	51	18	10	88	BLWR	6	
3429	LW	250	180				G	51	18	10	88	BLWR	6	
3430	LW	302	320				G	51	18	10	88	BLWR	6	
3431	LW	309	310				G	51	18	10	88	BLWR	6	
3432	LW	285	280				G	51	18	10	88	BLWR	6	
3433	LW	279	320				G	51	18	10	88	BLWR	6	
3434	LW	294	310				G	51	18	10	88	BLWR	6	
3435	LW	258	200				G	51	18	10	88	BLWR	6	
3436	LW	283	280				G	51	18	10	88	BLWR	6	
3437	K	230	270	06	2	SC	G	51	18	10	88	BLWR	6	
3438	RT	327	410	06	3	SC	G	51	18	10	88	BLWR	6	5
3439	RT	320	400	99	4	SC	G	51	18	10	88	BLWR	6	5
3440	RT	275	210	16	2	SC	G	51	18	10	88	BLWR	6	5
3441	LW	311	320				G	64	18	10	88	BLWR	6	
3442	LW	312	360				G	64	18	10	88	BLWR	6	
3443	LW	313	310				G	64	18	10	88	BLWR	6	
3444	LW	287	260				G	64	18	10	88	BLWR	6	
3445	LW	263	210				G	64	18	10	88	BLWR	6	
3446	LW	292	280				G	64	18	10	88	BLWR	6	
3447	LW	303	300				G	64	18	10	88	BLWR	6	
3448	LW	324	360				G	64	18	10	88	BLWR	6	
3449	LW	303	30				G	64	18	10	88	BLWR	6	
3450	LW	268	260				G	64	18	10	88	BLWR	6	
3451	RT	386	740	17	4	SC	G	64	18	10	88	BLWR	6	5
3452	DV	463	1180	16	6	OT	G	64	18	10	88	BLWR	6	5
3453	LW	295	320				G	76	18	10	88	BLWR	6	
3454	LW	296	340				G	76	18	10	88	BLWR	6	
3455	LW	307	310				G	76	18	10	88	BLWR	6	
3456	RT	330	450	17	3	SC	G	76	18	10	88	BLWR	6	5
3457	DV	594	2200	19	11	OT	G	102	18	10	88	BLWR	6	5
3458	DV	715	4600	19	12	OT	G	127	18	10	88	BLWR	6	5
3459	LW	268	0				G	38	18	10	88	BLWR	4	
3460	LW	180	0				G	38	18	10	88	BLWR	4	
3461	PM	170	0				G	38	18	10	88	BLWR	4	
3462	PM	185	0				G	38	18	10	88	BLWR	4	

APP1FALL FALL 1988 NETTING WILLISTON LAKE

SAMPLE	SPECIE	FL	WT	SEX	AGE		C	MESH	DATE			CAPT		
NO	CODE	mm	gms	Cd	Yr	Md	M	SIZE	DY	MO	YR	SITE	X	P
3059	LW	350	0				G	64	14	10	88	HEPT	6	
3060	LW	270	0				G	64	14	10	88	HEPT	6	
3061	LW	300	0				G	64	14	10	88	HEPT	6	
3062	LW	275	0				G	64	14	10	88	HEPT	6	
3063	LW	235	0				G	76	14	10	88	HEPT	6	
3064	RT	320	400	17	3	SC	G	76	14	10	88	HEPT	6	5
3069	LING	670	2200	07	7	OT	G	127	14	10	88	HEPT	1	5
3070	LING	240	70	99	4	OT	G	38	14	10	88	HEPT	1	5
3071	LNS	395	1000				G	51	14	10	88	HEPT	1	
3072	LNS	330	460				G	51	14	10	88	HEPT	1	
3073	PM	230	0				G	51	14	10	88	HEPT	1	
3074	LW	285	0				G	51	14	10	88	HEPT	1	
3075	LW	255	0				G	51	14	10	88	HEPT	1	
3076	LW	290	0				G	64	14	10	88	HEPT	1	
3077	LW	290	0				G	64	14	10	88	HEPT	1	
3078	NSF	260	200				G	64	14	10	88	HEPT	1	
3079	LW	285	0				G	64	14	10	88	HEPT	1	
3080	LW	280	0				G	64	14	10	88	HEPT	1	
3081	LNS	300	0				G	64	14	10	88	HEPT	1	
3082	LW	250	0				G	76	14	10	88	HEPT	1	
3083	LW	270	0				G	76	14	10	88	HEPT	1	
3084	PM	195	120				G	38	15	10	88	HEPT	5	
3085	PM	170	80				G	38	15	10	88	HEPT	5	
3086	PM	168	60				G	38	15	10	88	HEPT	5	
3087	PM	178	70				G	38	15	10	88	HEPT	5	
3088	PM	169	80				G	38	15	10	88	HEPT	5	
3089	PM	200	100				G	38	15	10	88	HEPT	5	
3090	PM	183	75				G	38	15	10	88	HEPT	5	
3091	PM	168	55				G	38	15	10	88	HEPT	5	
3092	PM	170	60				G	38	15	10	88	HEPT	5	
3093	PM	170	60				G	38	15	10	88	HEPT	5	
3094	PM	168	60				G	38	15	10	88	HEPT	5	
3095	PM	176	65				G	38	15	10	88	HEPT	5	
3096	PM	170	55				G	38	15	10	88	HEPT	5	
3097	PM	165	50				G	38	15	10	88	HEPT	5	
3098	PM	180	70				G	38	15	10	88	HEPT	5	
3099	PM	162	50				G	38	15	10	88	HEPT	5	
3100	PM	178	70				G	38	15	10	88	HEPT	5	
3101	PM	182	80				G	38	15	10	88	HEPT	5	
3102	PM	206	120				G	38	15	10	88	HEPT	5	
3103	PM	192	85				G	38	15	10	88	HEPT	5	
3104	PM	183	0				G	38	15	10	88	HEPT	5	
3105	PM	164	0				G	38	15	10	88	HEPT	5	
3106	PM	183	0				G	38	15	10	88	HEPT	5	
3107	PM	172	0				G	38	15	10	88	HEPT	5	
3108	PM	182	0				G	38	15	10	88	HEPT	5	
3109	PM	177	0				G	38	15	10	88	HEPT	5	
3110	PM	170	0				G	38	15	10	88	HEPT	5	
3111	PM	167	0				G	38	15	10	88	HEPT	5	
3112	PM	182	0				G	38	15	10	88	HEPT	5	
3113	PM	191	0				G	38	15	10	88	HEPT	5	
3114	PM	182	0				G	38	15	10	88	HEPT	5	
3115	PM	185	0				G	38	15	10	88	HEPT	5	
3116	PM	165	0				G	38	15	10	88	HEPT	5	
3117	PM	172	0				G	38	15	10	88	HEPT	5	
3118	PM	177	0				G	38	15	10	88	HEPT	5	
3119	PM	170	0				G	38	15	10	88	HEPT	5	
3120	PM	167	0				G	38	15	10	88	HEPT	5	
3121	PM	178	0				G	38	15	10	88	HEPT	5	
3122	PM	183	0				G	38	15	10	88	HEPT	5	
3123	PM	174	0				G	38	15	10	88	HEPT	5	

SAMPLE	SPECIE	FL	WT	SEX	AGE		C	MESH	DATE			CAPT		
NO	CODE	mm	gms	Cd	Yr	Md	M	SIZE	DY	MO	YR	SITE	X	P
3463	PM	184	0				G	38	18	10	88	BLWR	4	
3464	PM	193	0				G	38	18	10	88	BLWR	4	
3465	PM	187	0				G	38	18	10	88	BLWR	4	
3466	PM	182	0				G	38	18	10	88	BLWR	4	
3467	DV	422	920	16	7	OT	G	38	18	10	88	BLWR	4	5
3468	DV	434	1080	16	8	OT	G	38	18	10	88	BLWR	4	5
3469	DV	418	770	99	6	OT	G	38	18	10	88	BLWR	4	5
3470	DV	353	420	16	8	OT	G	38	18	10	88	BLWR	4	5
3471	LING	391	440	06	3	OT	G	38	18	10	88	BLWR	4	5
3472	LW	239	150	99	2	SC	G	38	18	10	88	BLWR	4	5
3473	LW	218	130	99	2	SC	G	38	18	10	88	BLWR	4	5
3474	LW	200	100	99	1	SC	G	38	18	10	88	BLWR	4	5
3475	LW	210	105		2	SC	G	38	18	10	88	BLWR	4	5
3476	PM	195	0				G	38	18	10	88	BLWR	4	
3477	PM	176	0				G	38	18	10	88	BLWR	4	
3478	PM	189	0				G	38	18	10	88	BLWR	4	
3479	PM	195	85				G	38	18	10	88	BLWR	4	
3480	PM	176	60				G	38	18	10	88	BLWR	4	
3481	PM	180	100				G	38	18	10	88	BLWR	4	
3482	PM	175	60				G	38	18	10	88	BLWR	4	
3483	PM	168	80				G	38	18	10	88	BLWR	4	
3484	PM	175	0				G	38	18	10	88	BLWR	4	
3485	PM	177	0				G	38	18	10	88	BLWR	4	
3486	LW	187	70		1	SC	G	38	18	10	88	BLWR	4	
3487	LW	207	0				G	38	18	10	88	BLWR	4	
3488	LW	182	60		1	SC	G	38	18	10	88	BLWR	4	
3489	LW	313	0				G	38	18	10	88	BLWR	4	
3490	NSF	227	115				G	38	18	10	88	BLWR	4	
3491	LW	274	0				G	38	18	10	88	BLWR	4	
3492	PM	178	0				G	38	18	10	88	BLWR	4	
3493	LW	287	0				G	38	18	10	88	BLWR	4	
3494	LW	197	0				G	38	18	10	88	BLWR	4	
3495	PM	168	0				G	38	18	10	88	BLWR	4	
3496	LW	190	0				G	38	18	10	88	BLWR	4	
3497	LW	285	0				G	38	18	10	88	BLWR	4	
3498	LW	352	350	16	4	SC	G	38	18	10	88	BLWR	4	5
3499	PM	160	0				G	38	18	10	88	BLWR	4	
3500	PM	182	0				G	38	18	10	88	BLWR	4	
3501	PM	169	0				G	38	18	10	88	BLWR	4	
3502	PM	193	0				G	38	18	10	88	BLWR	4	
3503	LW	238	0				G	38	18	10	88	BLWR	4	
3504	LW	217	0				G	38	18	10	88	BLWR	4	
3505	PM	173	0				G	38	18	10	88	BLWR	4	
3506	PM	176	0				G	38	18	10	88	BLWR	4	
3507	PM	186	0				G	38	18	10	88	BLWR	4	
3508	PM	178	0				G	38	18	10	88	BLWR	4	
3509	PM	175	0				G	38	18	10	88	BLWR	4	
3510	PM	155	0				G	38	18	10	88	BLWR	4	
3511	LW	175	0				G	38	18	10	88	BLWR	4	
3512	PM	179	0				G	38	18	10	88	BLWR	4	
3513	PM	156	0				G	38	18	10	88	BLWR	4	
3514	PM	172	0				G	38	18	10	88	BLWR	4	
3515	PM	190	0				G	38	18	10	88	BLWR	4	
3516	DV	462	1060	99	9	OT	G	38	18	10	88	BLWR	4	5
3517	LW	247	0				G	51	18	10	88	BLWR	4	
3518	LW	310	0				G	51	18	10	88	BLWR	4	
3519	LW	289	0				G	51	18	10	88	BLWR	4	
3520	LW	303	0				G	51	18	10	88	BLWR	4	
3521	LW	295	0				G	51	18	10	88	BLWR	4	
3522	LW	247	0				G	51	18	10	88	BLWR	4	
3523	LW	270	0				G	51	18	10	88	BLWR	4	

APP1FALL FALL 1988 NETTING WILLISTON LAKE

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	Md	C M	MESH SIZE	DATE DY	MO	YR	CAPT SITE	X	P
3124	PM	182	0				G	38	15	10	88	HEPT	5	
3125	PM	158	0				G	38	15	10	88	HEPT	5	
3126	PM	180	0				G	38	15	10	88	HEPT	5	
3127	PM	178	0				G	38	15	10	88	HEPT	5	
3128	PM	174	0				G	38	15	10	88	HEPT	5	
3129	PM	179	0				G	38	15	10	88	HEPT	5	
3130	PM	186	0				G	38	15	10	88	HEPT	5	
3131	PM	187	0				G	38	15	10	88	HEPT	5	
3132	PM	167	0				G	38	15	10	88	HEPT	5	
3133	PM	171	0				G	38	15	10	88	HEPT	5	
3134	PM	210	0				G	38	15	10	88	HEPT	5	
3135	PM	178	0				G	38	15	10	88	HEPT	5	
3136	PM	189	0				G	38	15	10	88	HEPT	5	
3137	PM	172	0				G	38	15	10	88	HEPT	5	
3138	PM	167	0				G	38	15	10	88	HEPT	5	
3139	PM	156	0				G	38	15	10	88	HEPT	5	
3140	PM	152	0				G	38	15	10	88	HEPT	5	
3141	PM	172	0				G	38	15	10	88	HEPT	5	
3142	PM	156	0				G	38	15	10	88	HEPT	5	
3143	PM	174	0				G	38	15	10	88	HEPT	5	
3144	PM	172	0				G	38	15	10	88	HEPT	5	
3145	PM	163	0				G	38	15	10	88	HEPT	5	
3146	PM	184	0				G	38	15	10	88	HEPT	5	
3147	PM	176	0				G	38	15	10	88	HEPT	5	
3148	PM	185	0				G	38	15	10	88	HEPT	5	
3149	PM	183	0				G	38	15	10	88	HEPT	5	
3150	PM	169	0				G	38	15	10	88	HEPT	5	
3151	PM	173	0				G	38	15	10	88	HEPT	5	
3152	PM	186	0				G	38	15	10	88	HEPT	5	
3153	PM	191	0				G	38	15	10	88	HEPT	5	
3154	PM	175	0				G	38	15	10	88	HEPT	5	
3155	DV	238	125	06	7	OT	G	38	15	10	88	HEPT	5	5
3156	LW	267	220	99	2	SC	G	51	15	10	88	HEPT	5	
3157	LW	323	300	16	3	SC	G	51	15	10	88	HEPT	5	5
3158	LW	256	220	16	3	SC	G	51	15	10	88	HEPT	5	5
3159	LW	331	360	16	3	SC	G	51	15	10	88	HEPT	5	5
3160	LW	282	270	17		SC	G	51	15	10	88	HEPT	5	5
3161	LNS	312	380				G	51	15	10	88	HEPT	5	
3162	LSS	302	360				G	51	15	10	88	HEPT	5	
3163	LNS	346	200				G	51	15	10	88	HEPT	5	
3164	LNS	220	140				G	51	15	10	88	HEPT	5	
3165	DV	409	660	16	6	OT	G	51	15	10	88	HEPT	5	5
3166	LW	321	390	16		SC	G	64	15	10	88	HEPT	5	5
3167	LW	240	165	06			G	64	15	10	88	HEPT	5	
3168	LNS	295	300				G	64	15	10	88	HEPT	5	
3169	LSS	274	240				G	64	15	10	88	HEPT	5	
3170	LNS	300	320				G	64	15	10	88	HEPT	5	
3171	LSS	300	320				G	64	15	10	88	HEPT	5	
3172	LSS	307	400				G	64	15	10	88	HEPT	5	
3173	LSS	398	780				G	64	15	10	88	HEPT	5	
3174	LW	293	300	07			G	64	15	10	88	HEPT	5	
3175	NSF	330	500				G	64	15	10	88	HEPT	5	
3176	NSF	327	400				G	64	15	10	88	HEPT	5	
3177	NSF	256	210				G	64	15	10	88	HEPT	5	
3178	NSF	410	825				G	76	15	10	88	HEPT	5	
3179	NSF	395	760				G	76	15	10	88	HEPT	5	
3180	LW	327	340	17	3	SC	G	76	15	10	88	HEPT	5	5
3181	LSS	379	580				G	76	15	10	88	HEPT	5	
3182	LNS	302	360				G	76	15	10	88	HEPT	5	
3183	NSF	438	1120			SC	G	102	15	10	88	HEPT	5	
3184	LNS	404	740				G	102	15	10	88	HEPT	5	
3524	LW	280	0				G	51	18	10	88	BLWR	4	
3525	LW	288	0				G	51	18	10	88	BLWR	4	
3526	LW	252	0				G	51	18	10	88	BLWR	4	
3527	LW	292	0				G	51	18	10	88	BLWR	4	
3528	LW	302	0				G	51	18	10	88	BLWR	4	
3529	LW	311	0				G	51	18	10	88	BLWR	4	
3530	LW	268	0				G	51	18	10	88	BLWR	4	
3531	LW	327	0				G	51	18	10	88	BLWR	4	
3532	LW	314	0				G	51	18	10	88	BLWR	4	
3533	LW	224	0				G	51	18	10	88	BLWR	4	
3534	LW	300	0				G	51	18	10	88	BLWR	4	
3535	LW	285	0				G	51	18	10	88	BLWR	4	
3536	LW	314	0				G	51	18	10	88	BLWR	4	
3537	LW	272	0				G	51	18	10	88	BLWR	4	
3538	LW	313	0				G	51	18	10	88	BLWR	4	
3539	LW	256	0				G	51	18	10	88	BLWR	4	
3540	LW	307	0				G	51	18	10	88	BLWR	4	
3541	LW	282	0				G	51	18	10	88	BLWR	4	
3542	PM	240	0				G	51	18	10	88	BLWR	4	
3543	LNS	249	0				G	51	18	10	88	BLWR	4	
3544	LW	226	0				G	51	18	10	88	BLWR	4	
3545	DV	370	430	99	5	OT	G	51	18	10	88	BLWR	4	5
3546	DV	322	320	99	7	OT	G	51	18	10	88	BLWR	4	5
3547	LING	430	500	06	8	OT	G	51	18	10	88	BLWR	4	5
3548	LW	232	0				G	51	18	10	88	BLWR	4	
3549	LW	285	0				G	64	18	10	88	BLWR	4	
3550	LW	289	0				G	64	18	10	88	BLWR	4	
3551	LW	352	360	16	3	SC	G	64	18	10	88	BLWR	4	
3552	LW	332	0				G	64	18	10	88	BLWR	4	
3553	LW	317	0				G	64	18	10	88	BLWR	4	
3554	LW	282	0				G	64	18	10	88	BLWR	4	
3555	LW	304	0				G	64	18	10	88	BLWR	4	
3556	LW	280	0				G	64	18	10	88	BLWR	4	
3557	LW	304	0				G	64	18	10	88	BLWR	4	
3558	LW	305	0				G	64	18	10	88	BLWR	4	
3559	LW	291	0				G	64	18	10	88	BLWR	4	
3560	LW	283	0				G	64	18	10	88	BLWR	4	
3561	LW	281	0				G	64	18	10	88	BLWR	4	
3562	LW	295	0				G	64	18	10	88	BLWR	4	
3563	LW	286	0				G	64	18	10	88	BLWR	4	
3564	RT	328	360	99	3	SC	G	64	18	10	88	BLWR	4	5
3565	RT	330	340	16	3	SC	G	64	18	10	88	BLWR	4	
3566	DV	450	1860	16	8	OT	G	64	18	10	88	BLWR	4	5
3567	LW	318	0				G	76	18	10	88	BLWR	4	
3568	LW	308	0				G	76	18	10	88	BLWR	4	
3569	LW	301	0				G	76	18	10	88	BLWR	4	
3570	LW	323	0				G	76	18	10	88	BLWR	4	
3571	LW	319	0				G	76	18	10	88	BLWR	4	
3572	LW	280	0				G	76	18	10	88	BLWR	4	
3573	LW	315	0				G	76	18	10	88	BLWR	4	
3574	LW	332	0				G	76	18	10	88	BLWR	4	
3575	LW	292	0				G	76	18	10	88	BLWR	4	
3576	LW	278	0				G	76	18	10	88	BLWR	4	
3577	LSS	402	880				G	76	18	10	88	BLWR	4	
3578	LSS	330	500				G	76	18	10	88	BLWR	4	
3579	LSS	387	700				G	76	18	10	88	BLWR	4	
3580	LSS	428	930				G	102	18	10	88	BLWR	4	
3581	LSS	408	930				G	102	18	10	88	BLWR	4	
3582	DV	498	1600	99	10	OT	G	127	18	10	88	BLWR	4	5
3583	LING	459	520	06	5	OT	G	127	18	10	88	BLWR	4	
3586	LNS	371	480			SC	G	76	18	10	88	BLWR	2	

APP1FALL FALL 1988 NETTING WILLISTON LAKE

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	AGE Md	C M	MESH SIZE	DATE DY	DATE MO	DATE YR	CAPT SITE	X	P
3185	PM	170	0				G	38	15	10	88	HEPT	9	
3186	PM	192	0				G	38	15	10	88	HEPT	9	

SAMPLE NO	SPECIE CODE	FL mm	WT gms	SEX Cd	AGE Yr	AGE Md	C M	MESH SIZE	DATE DY	DATE MO	DATE YR	CAPT SITE	X	P
3587	LNS	351	400			SC	G	76	18	10	88	BLWR	2	
3588	LNS	395	620			SC	G	102	18	10	88	BLWR	2	