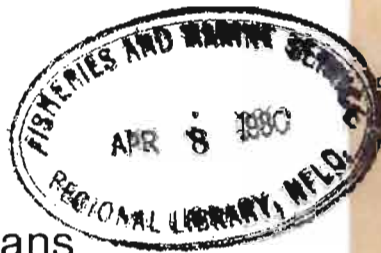


Biological Data on the Major Fish Species from Fifty-Nine Inland Lakes in the Northwest Territories, 1959 - 68

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January 1980

Canadian Data Report of Fisheries & Aquatic Sciences No.175



Government of Canada
Fisheries and Oceans

Gouvernement du Canada
Pêches et Océans

Canadian Data Report of Fisheries and Aquatic Sciences

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Canadian Data Report
of
Fisheries and Aquatic Sciences 175

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FROM FIFTY-NINE INLAND LAKES IN THE
NORTHWEST TERRITORIES, 1959-68

by

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This is the 23rd Data Report
from the Western Region, Winnipeg

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ABSTRACT

Moshenko, R.W. 1980. Biological data on the major fish species from fifty-nine inland lakes in the Northwest Territories, 1959-68. Can. Data Rep. Fish. Aquat. Sci. 175: viii + 81 p.

Biological data (age, length, weight) for lake whitefish, lake trout and other species, collected during the Barren Ground Survey of 1959 and commercial fishery surveys of 1963-68, from 59 inland lakes in the Northwest Territories, are presented in this report.

Key words: commercial fishing; fishery management; fishery surveys; gillnetting; population structure; stock assessment; *Coregonus clupeaformis*; *Salvelinus namaycush*; whitefish, lake; trout, lake.

RESUME

Moshenko, R.W. 1980. Biological data on the major fish species from fifty-nine inland lakes in the Northwest Territories, 1959-68. Can. Data Rep. Fish. Aquat. Sci. 175: viii + 81 p.

Le rapport présente des données biologiques (âge, longueur, poids) concernant le grand corégone, le touladi et d'autres espèces, recueillies au cours du levé des Barren Grounds effectué en 1959 et des enquêtes sur la pêche commerciale (1963-68) pratiquée dans 59 lacs continentaux des Territoires du Nord-Ouest.

Mots-clés: pêche commerciale; gestion des pêches; enquêtes sur la pêche; pêche au filet maillant; structure des populations; évaluation des stocks; *Coregonus clupeaformis*; *Salvelinus namaycush*; grand corégone; touladi.

INTRODUCTION

The Fisheries Research Board of Canada (Arctic Unit) conducted the Barren Ground Fisheries Survey during 1959 in twenty inland lakes in the Northwest Territories. Between 1963-68 the Department of Fisheries carried out commercial gillnetting surveys in various lakes to assess the commercial potential and determine infestation rates of the whitefish-pike parasite, *Triaenophorus crassus*, in lake whitefish and lake trout. The commercial surveys generated biological data on lake whitefish, *Coregonus clupeaformis* (Mitchill) and lake trout, *Salvelinus namaycush* (Walbaum). The Barren Ground Survey provided data primarily on these two species and to a lesser extent on northern pike, *Esox lucius* Linnaeus; round whitefish, *Prosopium cylindraceum* (Pallas); cisco species; walleye, *Stizostedion vitreum* (Mitchill); Arctic char, *Salvelinus alpinus* (Linnaeus); and longnose sucker, *Catostomus catostomus* (Forster).

The results of this work for 59 lakes, from the period 1959 to 1968, are summarized in tabular form in this report. Data are presented in a form similar to that of Moshenko and Low (1978). Some of these data have been previously discussed by Johnson (1972, 1973, 1975, 1976).

MATERIALS AND METHODS

The 59 inland lakes in the Northwest Territories, surveyed between 1959-68 are shown in Fig. 1 and described in Table 1.

The Barren Ground Fisheries Survey consisted of gillnet gangs of 1½ in (38 mm), 2½ in (64 mm), 3½ in (89 mm), 4½ in (114 mm), and 5½ in (140 mm) stretch mesh while the commercial fishery surveys of the 1960's used primarily 4½ in (108 mm), 4½ in (114 mm) and 5½ in (140 mm) gillnets.

Fork length, round weight (few exceptions), and sex were recorded. For aging, scales were collected for all species except char where otoliths were taken. Age data, by scale method, for lake trout are not presented due to the unreliability of this method (Power 1978).

The Barren Ground Survey data have been previously analyzed whereas the commercial survey data were analyzed recently using the computer facilities based at the University of Manitoba.

ACKNOWLEDGMENTS

The author wishes to thank Dr. L. Johnson for providing the data from the Barren Ground Survey and Great Bear Lake, and all who participated in the survey, especially staff of the Arctic Unit. M. B. Howe initiated the commercial fishery surveys. Data from these surveys were collected by fishery officers: M. E. Bogart, D. Dowler, R. W. Fleming, D. G. Hawker, G. E. Jones, D. Olson, J. D. Smith and W. E. Smith. Data were compiled and analyzed by D. Leroux and B. Mackenzie with assistance from R. Hagen, V. Pawlicki and C. J. Read.

Typing was done by K. Mackay and M. Warren. D. Dowler, M. Falk and A. H. Kristofferson reviewed the report.

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KEY TO LIST OF LAKES SHOWN ON FIGURE 1

- | | |
|--------------------|-----------------|
| 1. Angikuni | 31. Maze |
| 2. Baker | 32. Meliadine |
| 3. Beaverlodge | 33. Meridian |
| 4. Beechey | 34. Nonacho |
| 5. Beniah | 35. North Henik |
| 6. Beverly | 36. Nueltin |
| 7. Blatchford | 37. Peter |
| 8. Buckham | 38. Redrock |
| 9. Casmir | 39. Reid |
| 10. Clinton-Colden | 40. Rivett |
| 11. Desperation | 41. Ross |
| 12. Dismal | 42. Rutledge |
| 13. Dubawnt | 43. Saunders |
| 14. Ellice | 44. Slemon |
| 15. Grandin | 45. Snowbird |
| 16. Great Bear | 46. Stagg |
| 17. Hearne | 47. Terry Lakes |
| 18. Hidden | 48. Thekulthili |
| 19. Hill Island | 49. Tibbit |
| 20. Hyde | 50. Tsu |
| 21. Kakisa | 51. Vaillant |
| 22. Kasba | 52. Watta |
| 23. Kathawachaga | 53. Wecho |
| 24. Keller | 54. Wheeler |
| 25. Lady Grey | 55. Whitefish |
| 26. La Loche | 56. Wholdaia |
| 27. La Martre | 57. Wrigley |
| 28. Lockhart | 58. Yathkyed |
| 29. Macdougall | 59. Yatsore |
| 30. Maguse | |

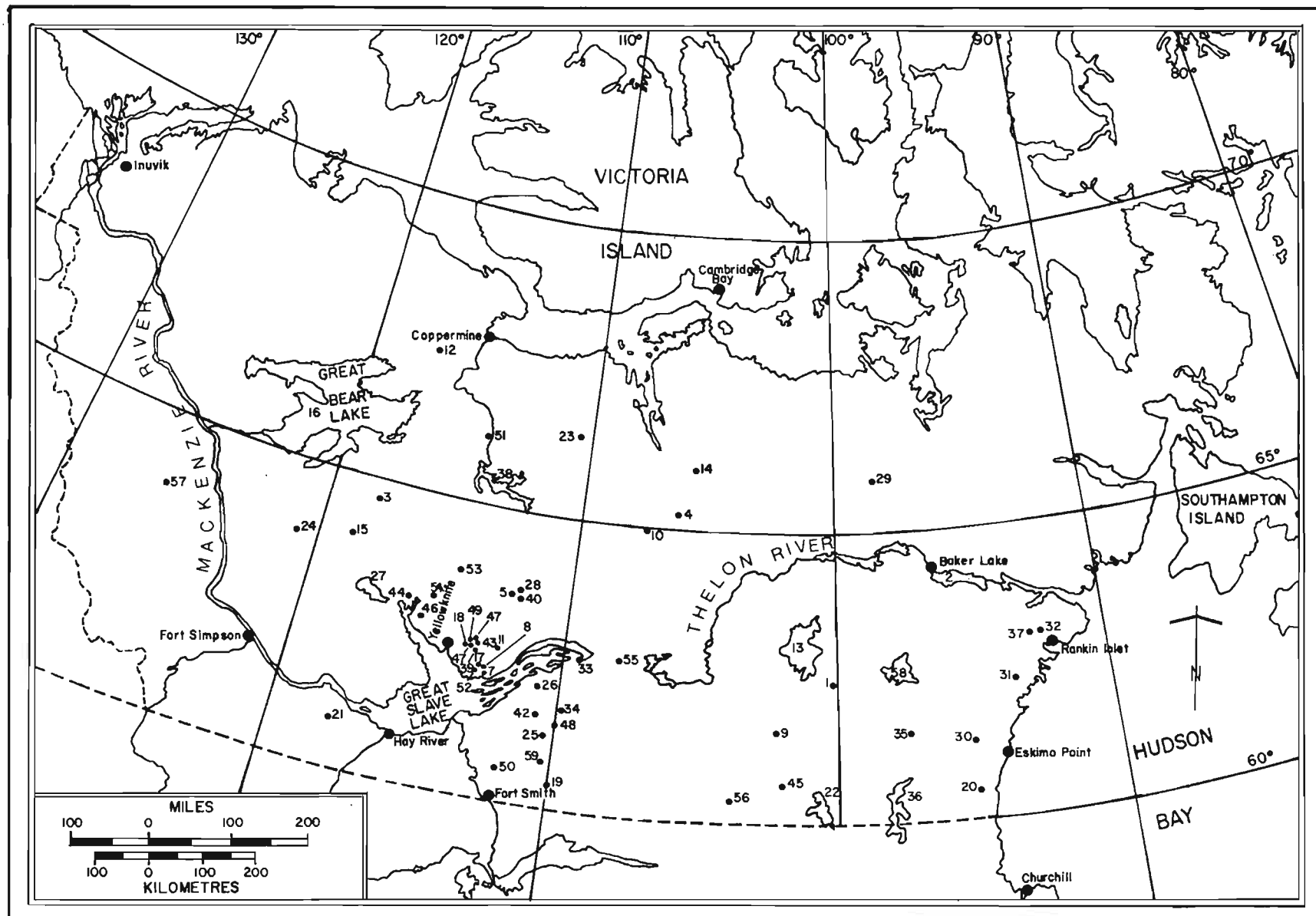


Fig. 1. Location of the inland lakes in the Northwest Territories referred to in the report.

Table 1. Continued.

Lake	Location	Surface Area (ha)	Commercial Quota (lb/yr)	Fishery Utilization						
				Commercial Production (lb) ^a			Sport ^b	Domestic		
				Year	Whitefish	Lake trout			Walleye	
Maze	62°23'N 93°30'W	1,500	-	-	-	-	-	-	-	
Meliadine	63 05 92 25	5,600	-	-	-	-	-	local	local	
Meridian	62 35 109 25	5,400	-	-	-	-	-	-	-	
Nonacho	61 42 109 40	56,200	70,000	1971	---- 145,847 ----	-	-	1 lodge(20), 1 camp(8)	-	
North Henik	61 45 97 40	24,600	30,800	1970	455	5,168	-	-	-	
Nueltin	60 30 99 30	151,000	166,700	1968-69	---- 258,192 ----	-	-	1 camp(8)	-	
Peter	63 08 92 48	13,400	21,700	-	-	-	-	-	local	
Redrock	65 28 114 10	10,000	-	-	-	-	-	1 camp	-	
Reid	62 28 113 23	1,500	-	1969	3,622	143	250	-	-	
Rivett	63 18 111 48	3,150	3,900	-	-	-	-	-	-	
Ross	62 42 113 16	3,200	4,000	1973	11,766	5,422	-	-	-	
Rutledge	61 33 110 47	17,000	20,800	1970	55,514	16,034	72	1 lodge(20)	-	
Saunders	62 37 113 12	400	-	-	-	-	-	-	-	
Slemon	63 13 116 01	4,900	6,000	1973	12,381	2,701	-	-	-	
Snowbird	60 41 103 00	56,300	-	-	-	-	-	1 lodge	-	
Stagg	62 52 115 29	2,800	-	-	-	-	-	1 lodge(15)	-	
Terry Lakes	62 30 113 20	9,200	-	-	-	-	-	-	-	
Thekulthili	61 03 110 04	24,200	30,200	1971-72	104,549	60,891	3,643	-	-	
Tibbit	62 32 113 21	400	-	1965	4,042	701	-	-	-	
Tsu	60 39 111 54	8,600	-	1960	378	1,311	333	-	-	
Vaillant	66 13 114 30	800	-	-	-	-	-	-	-	
Watta	62 16 113 05	4,000	-	-	-	-	-	1 lodge(12)	-	
Wecho	63 58 113 50	10,800	13,300	1964	685	61	-	-	-	
Wheeler	63 20 114 52	2,800	-	-	-	-	-	-	-	
Whitefish	62 41 106 48	26,400	33,000	-	-	-	-	-	-	
Wholdaia	60 43 104 10	41,500	-	-	-	-	-	-	-	
Wrigley	63 51 126 10	2,800	3,600	-	-	-	-	1 lodge(6)	-	
Yathkyed	62 41 98 00	145,800	-	-	-	-	-	-	-	
Yatsore	60 46 110 15	4,200	5,200	1973	20,938	8,843	-	-	-	

^a Most current year commercially fished.

^b Number in parenthesis is guest capacity.

Table 2. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (5½ in) from Angikuni Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
390 - 399	1	390	-	800	-	1.35	-
400 - 409	1	400	-	900	-	1.41	-
410 - 419	6	410	-	983	40.8	1.43	2.0
420 - 429	3	420	-	1000	100.0	1.35	2.0
430 - 439	9	430	-	1100	86.6	1.38	2.0
440 - 449	12	440	-	1242	124.0	1.46	0.3
450 - 459	14	450	-	1271	120.4	1.40	0.4
460 - 469	8	460	-	1463	74.4	1.50	0.1
470 - 479	14	470	-	1489	173.4	1.43	1.0
480 - 489	12	480	-	1533	192.3	1.39	0.7
490 - 499	14	490	-	1686	174.8	1.43	1.8
500 - 509	9	500	-	1933	122.5	1.55	1.3
510 - 519	9	510	-	1933	173.2	1.46	1.3
520 - 529	12	520	-	2192	206.5	1.56	5.0
530 - 539	7	530	-	2179	203.8	1.46	0.4
540 - 549	5	540	-	2400	339.1	1.52	1.5
550 - 559	11	550	-	2559	403.4	1.54	0.8
560 - 569	7	560	-	2686	313.2	1.53	0.4
570 - 579	11	570	-	3114	312.2	1.68	0.6
580 - 589	10	580	-	3155	333.7	1.62	0.7
590 - 599	8	590	-	3331	369.3	1.62	0.6
600 - 609	13	600	-	3438	386.3	1.59	0.6
610 - 619	12	610	-	3538	340.5	1.56	1.0
620 - 629	8	620	-	3613	327.1	1.52	3.0
630 - 639	8	630	-	3825	577.6	1.53	1.7
640 - 649	5	640	-	4300	93.5	1.64	-
650 - 659	3	650	-	5033	351.2	1.83	-
660 - 669	2	660	-	4550	353.6	1.58	-
670 - 679	1	670	-	4900	-	1.63	-
Total	235	-	-	-	-	-	1.0
Mean	-	526	68.9	2352	1047.6	1.51	-

Length-Weight Relationship:

$$\log_{10} W = -5.8152 + 3.3648 (\log_{10} L)$$

$$s_b = 0.0519$$

$$95\% \text{ C.I. of } b = 3.2631 - 3.4665$$

Table 3. Fork length, round weight and age data for lake whitefish taken in gillnets (1½ to 5½ in) from Angikuni Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Age			
			Age Interval (yr)	No.	Age Interval (yr)	No.
300 - 349	12	510				
350 - 399	26	790				
400 - 449	9	1110	4	1	10	10
450 - 499	7	1630	5	6	11	8
500 - 549	2	2480	6	9	12	4
550 - 599	7	3230	7	11	13	2
600 - 649	21	3780	8	17	14	-
650 - 699	3	4400	9	17	15	1
Total	87	1930	Total			86
Mean Length		470	Mean Age		8.5	

Table 4. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (5½ in) from Angikuni Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
375 - 399	1	390	-	600	-	1.01	-
400 - 424	-	-	-	-	-	-	-
425 - 449	1	440	-	950	-	1.12	-
450 - 474	4	468	5.0	1225	170.8	1.20	-
475 - 499	14	487	4.7	1382	103.1	1.20	1.3
500 - 524	20	513	7.9	1570	254.1	1.16	1.0
525 - 549	30	535	5.1	1812	332.4	1.18	0.6
550 - 574	44	561	8.3	1983	217.8	1.12	0.6
575 - 599	40	584	5.0	2189	302.0	1.10	0.8
600 - 624	64	610	8.5	2564	300.5	1.13	0.7
625 - 649	20	634	4.9	2818	321.7	1.11	0.7
650 - 674	33	660	7.6	3224	425.6	1.12	0.8
675 - 699	22	684	5.1	3486	338.5	1.09	0.7
700 - 724	15	707	7.0	4007	481.4	1.13	0.5
725 - 749	9	736	5.3	4044	495.3	1.02	1.3
750 - 774	13	758	7.3	4992	818.0	1.14	0.4
775 - 799	7	784	5.3	5486	617.9	1.14	2.5
800 - 824	8	814	5.2	6588	845.9	1.22	1.7
825 - 849	2	835	7.1	6500	424.3	1.12	1.0
850 - 874	2	855	7.1	8100	707.1	1.30	1.0
875 - 899	-	-	-	-	-	-	-
900 - 924	3	900	-	8567	378.6	1.18	-
925 - 949	-	-	-	-	-	-	-
950 - 974	1	950	-	10500	-	1.22	-
Total	353	-	-	-	-	-	0.8
Mean	-	619	88.6	2855	1433.3	1.13	-

Length-Weight Relationship:

$$\log_{10} W = -4.8405 + 2.9609 (\log_{10} L)$$

$$s_b = 0.0463$$

$$95\% \text{ C.I. of } b = 2.8702 - 3.0516$$

Table 5. Fork length and round weight data for lake trout taken in gillnets (1½ to 5½ in) from Angikuni Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
150 - 199	3	70	600 - 649	24	2140
200 - 249	3	110	650 - 699	20	3460
250 - 299	3	230	700 - 749	14	4350
300 - 349	3	830	750 - 799	10	5070
350 - 399	3	700	800 - 849	2	6880
400 - 449	9	810	850 - 899	3	7930
450 - 499	42	1360	900 - 949	3	9050
500 - 549	114	1640			
550 - 599	52	2140			
			Total	308	2250
			Mean Length	553	

Table 6. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (5½ in) from Baker Lake, 1967.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
360 - 369	1	360	-	500	-	1.07	-
370 - 379	-	-	-	-	-	-	-
380 - 389	1	380	-	750	-	1.37	-
390 - 399	-	-	-	-	-	-	-
400 - 409	-	-	-	-	-	-	-
410 - 419	-	-	-	-	-	-	-
420 - 429	1	420	-	1000	-	1.35	-
430 - 439	4	430	-	1200	91.3	1.51	3.0
440 - 449	10	440	-	1240	77.5	1.46	1.5
450 - 459	5	450	-	1340	65.2	1.47	-
460 - 469	4	460	-	1288	103.1	1.32	3.0
470 - 479	4	470	-	1375	95.7	1.32	1.0
480 - 489	6	480	-	1558	97.0	1.41	5.0
490 - 499	1	490	-	1500	-	1.27	-
500 - 509	4	500	-	1738	85.4	1.39	1.0
510 - 519	2	510	-	1775	106.1	1.34	-
520 - 529	1	520	-	2000	-	1.42	-
530 - 539	2	530	-	2225	247.5	1.49	-
540 - 549	-	-	-	-	-	-	-
550 - 559	-	-	-	-	-	-	-
560 - 569	1	560	-	2600	-	1.48	-
570 - 579	2	570	-	1850	495.0	1.00	-
Total	49	-	-	-	-	-	3.5
Mean	-	468	380.1	1447	1169.9	1.41	-

Length-Weight Relationship:

$$\log_{10} W = -4.1433 + 2.7317 (\log_{10} L)$$

$$s_b = 0.1816$$

$$95\% \text{ C.I. of } b = 2.3668 - 3.0966$$

Table 7. Fork length, round weight and age data for lake whitefish taken in gillnets (5½ in) from Baker Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)	No.
			4	7
			5	8
			6	7
350 - 399	1	520	7	12
400 - 449	18	1015	8	25
450 - 499	12	1273	9	16
500 - 549	29	1460	10	4
550 - 599	20	2117	11	1
600 - 649	1	2770		
Total	81	1590	Total	80
Mean Length		501	Mean Age	7.4

Table 8. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (5½ in) from Baker Lake, 1967.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
275 - 299	1	290	-	350	-	1.44	-
300 - 324	1	310	-	350	-	1.17	-
325 - 349	7	340	-	407	60.7	1.04	1.3
350 - 374	5	366	5.5	490	65.2	1.00	0.7
375 - 399	3	390	-	667	76.4	1.12	2.0
400 - 424	4	410	11.5	700	158.1	1.01	-
425 - 449	-	-	-	-	-	-	-
450 - 474	3	460	10.0	1133	104.1	1.16	-
475 - 499	1	480	-	1300	-	1.18	-
500 - 524	3	507	11.5	1517	160.7	1.17	-
525 - 549	-	-	-	-	-	-	-
550 - 574	3	553	5.8	2117	125.8	1.25	0.5
575 - 599	2	580	-	2600	212.1	1.33	-
600 - 624	1	600	-	2350	-	1.09	-
625 - 649	2	630	-	3100	565.7	1.24	-
650 - 674	4	663	5.0	3250	204.1	1.12	3.0
Total	40	-	-	-	-	-	0.7
Mean	-	458	116.1	1329	1042.6	1.12	-

Length-Weight Relationship:

$$\log_{10} W = -5.4241 + 3.1775 (\log_{10} L)$$

$$s_b = 0.0893$$

$$95\% \text{ C.I. of } b = 2.9970 - 3.3580$$

Table 9. Fork length and round weight data for lake whitefish taken in gillnets (1½ to 5½ in) from Beaverlodge Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
150 - 199	36	60	450 - 499	230	1470
200 - 249	3	100	500 - 549	227	1960
250 - 299	12	240	550 - 599	38	2510
300 - 349	5	770	600 - 649	1	4130
350 - 399	10	740			
400 - 449	67	1120			
			Total	629	1460
			Mean Length	469	

Table 10. Fork length and round weight data for lake trout taken in gillnets (1½ to 5½ in) from Beaverlodge Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
450 - 499	3	1390	800 - 849	12	5910
500 - 549	3	1880	850 - 899	19	8040
550 - 599	13	2310	900 - 949	11	7830
600 - 649	14	2580	950 - 1000	8	9050
650 - 699	9	3110	> 1000	4	9230
700 - 749	13	3970			
750 - 799	10	4640			
			Total	119	4830
			Mean Length	759	

Table 11. Fork length, round weight and age data for northern pike taken in gillnets (1½ to 5½ in) from Beaverlodge Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)	No.	Age Interval (yr)	No.
450 - 499	1	900	5	1	15	3
500 - 549	5	1080	6	1	16	4
550 - 599	9	1380	7	10	17	5
600 - 649	29	1720	8	18	18	1
650 - 699	37	2090	9	23	19	3
700 - 749	20	2430	10	18	20	1
750 - 799	5	3100	11	17	24	1
800 - 849	9	3970	12	7	26	1
850 - 899	9	4170	13	11	27	1
900 - 949	4	4890	14	6		
> 1000	5	8270			Total	132
Total	133	2590				
Mean Length	705					

Length Interval (mm)	No.	Mean Age (yr)	Length Interval (mm)	No.	Mean Age (yr)
400 - 499	1	6.0	800 - 899	18	13.9
500 - 599	14	7.6	900 - 1000	4	17.5
600 - 699	65	9.8	> 1000	5	22.2
700 - 799	25	11.7			
			Total	132	11.2

Table 12. Fork length, round weight and age data for lake whitefish in gillnets (1½ to 5½ in) from Beechey Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
150 - 199	1	70	450 - 499	3	1210
200 - 249	2	150	500 - 549	8	2340
250 - 299	2	240	550 - 599	13	2900
300 - 349	2	450	600 - 649	5	3710
350 - 399	8	750	Total	51	1840
400 - 449	7	1040	Mean Length		471

Age Interval (yr)	No.	Age Interval (yr)	No.
6	2	18	4
7	1	19	2
8	2	20	4
9	2	21	4
11	1	22	3
12	13	23	1
13	4	25	1
14	3	Total	51
17	4		

Length Interval (mm)	No.	Mean Age (yr)	Length Interval (mm)	No.	Mean Age (yr)
100 - 109	1	6.0	600 - 699	21	18.5
200 - 299	4	7.5	700 - 799	5	22.0
300 - 399	10	11.3	Total	51	15.1
400 - 499	10	12.3			

Table 13. Fork length and round weight data for lake trout in gillnets (1½ to 5½ in) from Beechey Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
150 - 199	6	70	600 - 649	9	2510
200 - 249	8	150	650 - 699	6	3130
250 - 299	7	590	700 - 749	9	4050
300 - 349	13	330	750 - 799	4	5280
350 - 399	11	530	800 - 849	6	6560
400 - 449	19	830	850 - 899	8	7650
450 - 499	36	1200	900 - 949	1	8050
500 - 549	34	1590	Total	196	1910
550 - 599	19	1980	Mean Length		504

Table 14. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (4½, 5½ in) from Beniah Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
460 - 469	1	464	-	1418	-	1.42	-
470 - 479	2	473	4.2	1558	118.8	1.47	-
480 - 489	10	484	2.5	1633	139.3	1.44	0.7
490 - 499	4	495	0.5	1679	126.1	1.38	3.0
500 - 509	7	507	2.3	1846	143.7	1.41	1.3
510 - 519	4	514	-	1970	95.6	1.45	-
520 - 529	11	523	2.8	1974	111.5	1.38	4.5
530 - 539	11	533	-	2112	108.3	1.40	0.6
540 - 549	6	542	3.1	2347	144.9	1.47	0.5
550 - 559	6	556	3.8	2376	164.5	1.39	1.0
560 - 569	1	565	-	2550	-	1.41	-
570 - 579	2	572	-	2522	39.6	1.35	-
580 - 589	1	584	-	2780	-	1.40	-
590 - 599	1	590	-	2494	-	1.21	-
Total	67	-	-	-	-	-	1.0
Mean	-	521	28.4	2008	324.5	1.40	-

Length-Weight Relationship:

$$\log_{10} W = -4.1984 + 2.7594 (\log_{10} L)$$

$$s_b = 0.1458$$

$$95\% \text{ C.I. of } b = 2.4684 - 3.0504$$

Table 15. Mean fork length, mean round weight, condition factor and sex ratio by age for lake whitefish in gillnets (4½, 5½ in) from Beniah Lake, 1963.

Age (yr)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
10	2	496	17.7	1827	261.6	1.50	-
11	6	489	20.6	1709	251.9	1.45	1.0
12	12	503	20.8	1805	278.7	1.41	1.8
13	13	526	18.0	2069	279.4	1.41	0.9
14	10	517	26.7	1936	292.9	1.40	2.3
15	6	526	36.4	1993	311.1	1.37	0.5
16	8	545	24.4	2313	285.9	1.43	0.3
17	7	551	13.1	2287	236.6	1.36	1.3
18	3	523	24.2	2077	226.3	1.45	2.0
Total	67	-	-	-	-	-	1.0
Mean	13.9 ^a	521	28.4	2008	324.5	1.41	-

^a Mean age.

Table 16. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (4 $\frac{1}{2}$, 5 $\frac{1}{2}$ in) from Beniah Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
350 - 374	1	356	-	454	-	1.01	-
375 - 399	-	-	-	-	-	-	-
400 - 424	-	-	-	-	-	-	-
425 - 449	2	441	4.2	1034	19.8	1.21	1.0
450 - 474	3	468	3.5	1160	28.0	1.13	0.5
475 - 499	2	489	8.5	1244	-	1.06	-
500 - 524	7	513	7.1	1437	82.4	1.07	0.4
525 - 549	10	538	9.0	1751	153.0	1.13	1.3
550 - 574	10	566	8.6	1918	173.5	1.06	1.5
575 - 599	4	584	9.0	1997	342.9	1.00	-
600 - 624	1	622	-	2270	-	0.94	-
775 - 799	1	775	-	5218	-	1.12	-
800 - 824	2	807	9.2	5476	1323.7	1.04	-
900 - 924	1	908	-	7202	-	0.96	-
Total	44	-	-	-	-	-	1.2
Mean	-	557	99.2	2020	1317.9	1.08	-

Length-Weight Relationship:

$$\log_{10} W = -4.5320 + 2.8402 (\log_{10} L)$$

$$s_b = 0.0947$$

$$95\% \text{ C.I. of } b = 2.6493 - 3.0311$$

Table 17. Fork length, round weight and age data for lake whitefish in gillnets (1½ to 5½ in) from Beverly Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Age (yr)
150 - 199	11	60	400 - 449	123	1050	100 - 109	5	5.8
200 - 249	4	100	450 - 499	142	1410	200 - 299	4	10.8
250 - 299	3	230	500 - 549	28	1810	300 - 399	36	12.8
300 - 349	8	450	550 - 599	5	2800	400 - 499	248	17.8
350 - 399	35	630				500 - 599	32	22.4
			Total	359	1110			
			Mean Length	435		Total	325	17.5

Age Interval (yr)	No.	Age Interval (yr)	No.	Age Interval (yr)	No.
4	1	13	8	21	26
5	1	14	27	22	11
6	2	15	24	23	13
7	3	16	40	24	7
8	2	17	40	25	5
10	2	18	32	26	4
11	5	19	32	27	3
12	14	20	23		
				Total	325

Table 18. Fork length and round weight data for lake trout in gillnets (1½ to 5½ in) from Beverly Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
250 - 299	2	380	600 - 649	16	2530
300 - 349	3	330	650 - 699	23	3200
350 - 399	10	510	700 - 749	13	3860
400 - 449	14	790	800 - 849	3	6970
450 - 499	14	1110	850 - 899	2	7940
500 - 549	14	1550	900 - 949	1	9720
550 - 599	22	1990			
			Total	137	2260
			Mean Length	568	

Table 19. Fork length and round weight data for northern pike in gillnets (1½ to 5½ in) from Beverly Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
450 - 499	3	1050	700 - 749	1	2700
500 - 549	5	1120	750 - 799	2	2790
550 - 599	8	1460	850 - 899	1	5090
600 - 649	3	1730	900 - 949	1	4630
650 - 699	4	2520			
			Total	30	1920
			Mean Length	577	

Table 20. Fork length and round weight data for cisco in gillnets (1½ to 5½ in) from Beverly Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
50 - 99	1	60	350 - 399	10	680
150 - 199	52	60	400 - 449	11	960
200 - 249	16	100	450 - 499	1	1280
300 - 349	7	430			
			Total	98	270
			Mean Length		243

Table 21. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (4½, 5½, 5½ in) from Blatchford Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
325 - 349	1	343	-	454	-	1.13	-
350 - 374	-	-	-	-	-	-	-
375 - 399	-	-	-	-	-	-	-
400 - 424	-	-	-	-	-	-	-
425 - 449	1	444	-	908	-	1.04	-
450 - 474	1	470	-	1244	-	1.20	-
475 - 499	1	483	-	1244	-	1.10	-
500 - 524	9	515	6.9	1586	161.0	1.16	0.5
525 - 549	16	538	6.5	1732	211.8	1.11	0.9
550 - 574	2	565	9.2	2040	-	1.13	-
575 - 599	3	588	7.5	2154	115.0	1.06	0.5
600 - 624	-	-	-	-	-	-	-
625 - 649	-	-	-	-	-	-	-
650 - 674	-	-	-	-	-	-	-
675 - 699	1	686	-	3744	-	1.16	-
700 - 724	1	711	-	3632	-	1.01	-
725 - 749	-	-	-	-	-	-	-
750 - 774	-	-	-	-	-	-	-
775 - 799	1	781	-	5902	-	1.24	-
Total	37	-	-	-	-	-	0.6
Mean	-	542	70.7	1882	894.7	1.12	-

Length-Weight Relationship:

$$\log_{10} W = -4.8983 + 2.9804 (\log_{10} L)$$

$$s_b = 0.1401$$

$$95\% \text{ C.I. of } b = 2.6965 - 3.2643.$$

Table 22. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (4½, 5½, 5½ in) from Blatchford Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
360 - 369	3	368	-	792	197.5	1.59	2.0
380 - 389	2	381	-	790	-	1.43	1.0
400 - 409	3	406	-	1020	112.0	1.52	0.5
410 - 419	1	419	-	1020	-	1.39	-
430 - 439	4	432	-	1218	109.9	1.51	0.3
440 - 449	12	444	-	1217	85.3	1.39	0.2
450 - 459	19	457	-	1327	148.5	1.39	0.7
470 - 479	14	470	-	1417	124.2	1.36	0.6
480 - 489	24	483	-	1493	112.8	1.32	0.6
490 - 499	8	495	-	1630	159.7	1.34	0.6
500 - 509	11	508	-	1753	163.7	1.34	1.8
520 - 529	5	521	-	1904	148.1	1.35	1.5
530 - 539	8	533	-	1984	201.0	1.31	0.3
540 - 549	2	546	-	2267	321.0	1.39	-
550 - 559	1	559	-	2270	-	1.30	-
Total	117	-	-	-	-	-	0.7
Mean	-	474	37.8	1478	330.3	1.37	-

Length-Weight Relationship:

$$\log_{10} W = -3.7619 + 2.5875 (\log_{10} L)$$

$$s_b = 0.1071$$

$$95\% \text{ C.I. of } b = 2.3754 - 2.7996$$

Table 23. Mean fork length, mean round weight, condition factor and sex ratio by age for lake whitefish in gillnets (4½, 5½, 5½ in) from Blatchford Lake, 1963.

Age (yr)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
8	1	381	-	790	-	1.43	-
9	1	381	-	790	-	1.43	-
12	4	476	23.9	1417	195.7	1.31	0.3
13	5	457	50.3	1316	172.4	1.42	-
14	12	455	42.1	1331	307.1	1.40	0.7
15	16	472	26.0	1438	301.1	1.35	0.5
16	14	481	34.7	1486	333.0	1.32	0.2
17	18	462	28.1	1372	208.9	1.39	0.3
18	10	476	27.5	1460	196.6	1.35	0.4
19	6	502	35.8	1645	364.1	1.29	0.5
20	12	496	22.6	1691	224.9	1.38	3.0
21	8	506	40.4	1885	429.0	1.43	1.7
22	2	502	26.9	1701	321.0	1.34	1.0
23	1	521	-	2040	-	1.44	-
24	1	483	-	1474	-	1.31	-
Unknown	6	447	46.5	1304	365.4	1.43	-
Total	117	-	-	-	-	-	0.7
Mean	16.8 ^a	474	37.8	1478	330.3	1.37	-

^a Mean age.

Table 24. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (4¼, 5¼, 5½ in) from Buckham Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
380 - 389	1	387	-	678	-	1.17	-
390 - 399	-	-	-	-	-	-	-
400 - 409	3	406	-	906	115.0	1.35	0.5
410 - 419	2	416	4.2	964	79.2	1.34	1.0
420 - 429	2	425	-	964	79.2	1.26	-
430 - 439	19	434	2.9	1109	112.1	1.36	1.4
440 - 449	5	444	-	1087	61.3	1.24	0.3
450 - 459	17	454	3.1	1185	99.3	1.26	0.7
460 - 469	9	464	1.0	1285	128.1	1.28	0.5
470 - 479	12	473	3.1	1323	189.5	1.25	0.1
480 - 489	12	483	-	1454	151.3	1.29	0.7
490 - 499	2	495	-	1698	-	1.40	1.0
500 - 509	-	-	-	-	-	-	-
510 - 519	-	-	-	-	-	-	-
520 - 529	2	521	-	1928	-	1.36	1.0
530 - 539	1	533	-	2152	-	1.42	-
540 - 549	2	543	4.2	2096	79.2	1.31	-
550 - 559	1	559	-	2494	-	1.43	-
Total	90	-	-	-	-	-	0.7
Mean	-	459	30.5	1276	308.7	1.30	-

Length-weight relationship:

$$\log_{10} W = -5.0247 + 3.0512 (\log_{10} L)$$

$$s_b = 0.1661$$

$$95\% \text{ C.I. of } b = 2.7213 - 3.3811$$

Table 25. Mean fork length, mean round weight, condition factor and sex ratio by age for lake whitefish in gillnets (4¼, 5¼, 5½ in) from Buckham Lake, 1963.

Age (yr)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
11	2	458	9.2	1188	79.2	1.24	1.0
12	3	470	22.5	1246	227.0	1.19	0.5
13	2	429	4.9	964	79.2	1.22	-
14	4	445	13.9	1048	107.2	1.19	1.0
15	8	442	19.2	1105	188.6	1.28	0.6
16	9	448	23.5	1158	224.2	1.28	0.8
17	14	470	30.5	1368	362.8	1.30	1.0
18	14	461	35.5	1351	332.0	1.35	0.4
19	12	468	27.1	1398	299.0	1.35	0.7
20	5	462	49.1	1404	450.4	1.39	0.7
21	4	494	33.4	1586	381.8	1.30	1.0
22	3	476	6.5	1360	115.0	1.25	0.5
23	5	454	10.9	1223	168.4	1.30	1.5
Unknown	5	430	35.3	996	168.0	1.26	-
Total	90	-	-	-	-	-	0.7
Mean	17.5 ^a	459	30.5	1276	308.7	1.30	-

^a Mean age.

Table 26. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (4½, 5½, 5½ in) from Buckham Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
425 - 449	1	444	-	908	-	1.04	-
450 - 474	-	-	-	-	-	-	-
475 - 489	4	489	4.9	1390	56.0	1.19	1.0
500 - 524	12	513	6.8	1587	136.9	1.18	0.3
525 - 549	22	537	5.6	1674	167.2	1.08	1.4
550 - 574	15	562	7.0	1814	148.9	1.02	1.1
575 - 599	8	587	5.8	2084	219.5	1.03	1.0
600 - 624	2	616	8.5	2609	321.0	1.12	1.0
625 - 649	6	634	3.9	2759	283.1	1.08	0.5
650 - 674	1	660	-	2836	-	0.99	-
675 - 699	2	689	4.2	3629	162.6	1.11	-
700 - 724	2	718	-	4142	79.2	1.12	-
725 - 749	1	749	-	4310	-	1.03	-
800 - 824	1	819	-	6580	-	1.20	-
825 - 849	2	826	0.7	6583	321.0	1.17	-
925 - 949	1	940	-	8172	-	0.98	-
Total	80	-	-	-	-	-	1.1
Mean	-	577	85.5	2232	1289.0	1.09	-

Length-Weight Relationship:

$$\log_{10} W = -4.7499 + 2.9218 (\log_{10} L)$$

$$s_b = 0.0840$$

$$95\% \text{ C.I. of } b = 2.7547 - 3.0889$$

Table 27. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (5½ in) from Casmir Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
400 - 409	1	400	-	1000	-	1.56	-
410 - 419	1	410	-	1000	-	1.45	-
430 - 439	2	430	-	1400	141.4	1.76	-
450 - 459	2	450	-	1400	141.4	1.54	1.0
460 - 469	9	460	-	1589	126.9	1.63	0.3
470 - 479	9	470	-	1656	101.4	1.59	1.3
480 - 489	10	480	-	1730	82.3	1.56	0.7
490 - 499	10	490	-	1890	110.1	1.61	0.7
500 - 509	18	500	-	2006	130.5	1.60	0.6
510 - 519	11	510	-	2127	173.7	1.60	0.4
520 - 529	8	520	-	2175	148.8	1.55	0.1
530 - 539	7	530	-	2414	90.0	1.62	0.2
540 - 549	3	540	-	2333	152.8	1.48	-
550 - 559	2	550	-	2600	141.4	1.56	1.0
560 - 569	2	560	-	2850	70.7	1.62	1.0
590 - 599	1	590	-	2900	-	1.41	-
Total	96	-	-	-	-	-	0.5
Mean	-	495	31.5	1954	368.5	1.59	-

Length-Weight Relationship: $\log_{10} W = -4.4570 + 2.8730 (\log_{10} L)$
 $s_b = 0.1058$
 95% C.I. of b = 2.6637 - 3.0823

Table 28. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (5½ in) from Casmir Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
300 - 324	1	320	-	400	-	1.22	-
375 - 399	1	390	-	700	-	1.18	-
425 - 449	3	433	5.8	933	115.4	1.15	2.0
450 - 474	1	450	-	1100	-	1.21	-
475 - 499	2	490	-	1550	70.7	1.32	-
500 - 524	8	515	7.6	1800	329.5	1.32	1.0
525 - 549	6	537	5.2	1850	197.5	1.20	0.2
550 - 574	18	557	7.8	2194	373.3	1.27	0.4
575 - 599	8	584	5.2	2725	820.7	1.37	0.6
600 - 624	13	607	7.5	2323	412.6	1.04	0.9
625 - 649	6	630	-	2867	250.3	1.15	1.0
650 - 674	4	665	5.8	3225	221.7	1.10	1.0
675 - 699	9	684	5.3	3644	218.6	1.14	0.8
700 - 724	6	707	5.2	4017	337.1	1.14	2.0
725 - 749	1	730	-	4000	-	1.03	-
750 - 774	3	760	-	5167	288.7	1.18	2.0
775 - 799	2	790	-	6900	707.1	1.40	1.0
800 - 824	3	810	10.0	5967	585.9	1.12	2.0
825 - 849	3	836	5.8	7576	1069.3	1.29	-
850 - 874	4	860	11.5	7875	1725.1	1.23	3.0
900 - 924	3	900	-	9833	1040.8	1.35	2.0
950 - 974	1	950	-	17000	-	1.98	-
Total	106	-	-	-	-	-	0.8
Mean	-	630	121.9	3434	2492.9	1.21	-

Length-Weight Relationship: $\log_{10} W = -4.9789 + 3.0202 (\log_{10} L)$
 $s_b = 0.0857$
 95% C.I. of b = 2.8507 - 3.1897

Table 29. Fork length and round weight data for lake trout taken in gillnets (1½ to 5½ in) from Clinton-Colden Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)
400 - 449	1	780
450 - 499	4	1030
500 - 549	3	1640
550 - 599	4	2540
600 - 649	13	2830
650 - 699	10	3170
700 - 749	4	4010
750 - 799	3	4130
800 - 849	6	5700
Total	48	3140
Mean Length		652

Table 30. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (4½, 5½ in) from Desperation Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
400 - 409	1	406	-	818	-	1.22	-
440 - 449	4	444	-	1118	66.7	1.28	1.0
450 - 459	2	457	-	1216	118.8	1.27	-
470 - 479	3	476	-	1399	42.8	1.30	0.5
480 - 489	11	483	-	1510	111.4	1.34	0.6
490 - 499	4	495	-	1644	171.5	1.36	3.0
500 - 509	23	507	1.7	1655	139.3	1.27	0.9
510 - 519	1	514	-	1984	-	1.46	-
520 - 529	13	522	2.6	1846	201.8	1.30	0.3
530 - 539	6	533	-	1760	100.0	1.16	1.0
540 - 549	1	546	-	2236	-	1.37	-
550 - 559	4	559	-	2091	132.8	1.20	1.0
560 - 569	1	565	-	1956	-	1.08	-
570 - 579	1	572	-	2012	-	1.08	-
580 - 589	1	584	-	2124	-	1.07	-
Total	76	-	-	-	-	-	0.8
Mean	-	507	31.4	1663	285.4	1.27	-

Length-Weight Relationship: $\log_{10} W = -3.7214 + 2.5651 (\log_{10} L)$
 $s_b = 0.1631$
95% C.I. of b = 2.2400 - 2.8902

Table 31. Mean fork length, mean round weight, condition factor and sex ratio by age for lake whitefish in gillnets (4½, 5½ in) from Desperation Lake, 1963.

Age (yr)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
12	1	457	-	1132	-	1.19	-
13	4	492	38.0	1523	314.6	1.27	1.0
14	7	514	25.4	1716	166.2	1.27	1.3
15	10	502	18.0	1624	173.4	1.29	1.0
16	8	489	33.3	1541	317.1	1.30	1.0
17	15	522	26.1	1766	235.4	1.24	1.1
18	9	503	24.1	1612	220.2	1.26	0.3
19	11	504	24.9	1674	355.0	1.30	0.8
20	5	481	46.0	1620	501.6	1.40	0.7
21	4	537	33.6	1820	272.4	1.17	1.0
22	1	508	-	1698	-	1.30	-
26	1	584	-	2124	-	1.07	-
Total	76	-	-	-	-	-	0.8
Mean	17.1 ^a	507	31.4	1663	285.4	1.27	-

^a Mean age.

Table 32. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (4½, 5½ in) from Desperation Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
325 - 349	1	336	-	392	-	1.03	-
425 - 449	1	444	-	992	-	1.13	-
450 - 474	1	457	-	1020	-	1.07	-
475 - 499	3	485	9.6	1341	132.8	1.18	-
500 - 525	12	508	5.6	1400	190.8	1.07	0.5
525 - 549	6	537	6.7	1367	446.2	0.88	1.0
550 - 574	3	557	4.1	1805	73.7	1.05	-
575 - 599	5	583	8.2	1932	156.6	0.98	1.0
600 - 624	1	610	-	2208	-	0.97	-
675 - 699	3	684	3.5	3469	876.5	1.08	0.5
700 - 724	1	711	-	4226	-	1.18	-
725 - 749	2	741	10.6	4198	158.4	1.03	-
800 - 824	1	813	-	5532	-	1.03	-
850 - 874	1	870	-	8200	-	1.25	-
Total	41	-	-	-	-	-	0.7
Mean	-	564	103.4	2085	1480.0	1.04	-

Length-Weight Relationship: $\log_{10} W = -5.0875 + 3.0356 (\log_{10} L)$
 $s_b = 0.1747$
95% C.I. of b = 2.6828 - 3.3884

Table 33. Fork length, round weight and age data for lake whitefish taken in gillnets (1½ to 5½ in) from Dismal Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Age (yr)
150 - 199	1	50	450 - 499	9	1560	100 - 109	1	5.0
200 - 249	2	110	500 - 549	46	2220	200 - 299	9	6.1
250 - 299	7	210	550 - 599	83	2780	300 - 399	32	8.2
300 - 349	9	400	600 - 649	9	3470	400 - 499	19	10.6
350 - 399	23	680				500 - 599	129	12.8
400 - 449	10	900	Total	199	2050	600 - 699	9	19.6
			Mean Length	504				
						Total	199	15.1

Age Interval (yr)	No.	Length Interval (yr)	No.
5	2	15	5
6	6	16	16
7	9	17	19
8	21	18	33
9	9	19	20
10	1	20	21
11	5	21	7
12	11	22	5
13	5	24	2
14	2		
		Total	199

Table 34. Fork length and round weight data for lake trout taken in gillnets (1½ to 5½ in) from Dismal Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)
250 - 299	2	160
300 - 349	2	290
350 - 399	4	690
400 - 449	16	840
450 - 499	30	1230
500 - 549	41	1670
550 - 599	17	2070
600 - 649	24	2720
650 - 699	38	3310
700 - 749	16	4300
750 - 799	17	5250
800 - 849	8	6200
850 - 899	6	7870
900 - 949	1	8430
Total	223	2760
Mean Length		603

Table 35. Fork length, round weight and age data for cisco sp. taken in gillnets (1½ to 5½ in) from Dismal Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Age (yr)
150 - 199	76	70	100 - 109	73	5.4
200 - 249	192	150	200 - 299	454	8.1
250 - 299	264	220	300 - 399	18	10.8
300 - 349	18	370			
Total	550	180	Total	545	7.8

Mesh Size (in)	No.	Mean Fork Length (mm)	Mean Weight (g)	Age Interval (yr)	No.	Age Interval (yr)	No.
1½	193	209	110	4	2	10	31
2½	349	261	220	5	45	11	21
3½	5	308	380	6	60	12	12
4½	1	264	240	7	99	13	3
5½	2	300	340	8	191	14	2
				9	79		
Total	550	244	180			Total	545

Table 36. Fork length, round weight and age data for lake whitefish taken in gillnets (1½ to 5½ in) from Dubawnt Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)	No.	Age Interval (yr)	No.
450 - 499	7	1510	13	2	21	4
500 - 549	7	2030	14	3	22	5
550 - 599	12	2710	15	6	23	1
600 - 649	14	3420	16	2	24	1
650 - 699	5	4070	17	4	25	1
			18	3	26	1
Total	45	2790	19	3		
Mean Length		575	20	6	Total Mean Age	18.6

Table 37. Fork length and round weight for round whitefish in gillnets (1½ to 5½ in) from Dubawnt Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
150 - 199	1	70	300 - 349	37	330
200 - 249	19	90	350 - 399	3	460
250 - 299	8	190			
			Total	68	289
			Mean Length		250

Table 38. Fork length and round weight for lake trout in gillnets (1½ to 5½ in) from Dubawnt Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
150 - 199	7	60	600 - 649	34	2650
200 - 249	11	100	650 - 699	44	3240
250 - 299	11	210	700 - 749	30	3950
300 - 349	2	300	750 - 799	16	4750
350 - 399	8	540	800 - 849	8	5460
400 - 449	5	820	850 - 899	6	6910
450 - 499	6	1080	900 - 949	5	8440
500 - 549	17	1530	950 - 1000	1	-
550 - 599	25	2160			
			Total	236	2780
			Mean Length		597

Table 39. Fork length and round weight for lake trout in gillnets (1½ to 5½ in) from Ellice Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
200 - 249	3	110	600 - 649	11	2990
300 - 349	1	400	650 - 699	13	4010
350 - 399	2	450	700 - 749	9	4560
400 - 449	7	790	750 - 799	3	5080
450 - 499	6	1090	800 - 849	2	6510
500 - 549	2	2900	850 - 899	2	7330
550 - 599	5	2110			
			Total	66	3050
			Mean Length		592

Table 40. Mean fork length, mean dressed weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (5½ in) from Grandin Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
380 - 389	1	381	-	908	-	1.64	-
400 - 409	2	406	-	1006	19.7	1.50	-
410 - 419	1	419	-	908	-	1.23	-
430 - 439	8	432	-	1071	131.4	1.38	-
440 - 449	2	444	-	1006	59.3	1.14	-
450 - 459	13	457	-	1143	127.4	1.19	-
460 - 469	1	464	-	1418	-	1.41	-
470 - 479	2	470	-	1191	241.8	1.14	-
480 - 489	28	483	1.1	1430	119.1	1.26	-
490 - 499	26	495	-	1506	103.7	1.24	-
500 - 509	79	507	0.6	1549	132.4	1.18	-
510 - 519	3	514	-	1662	132.7	1.22	-
520 - 529	21	521	-	1587	112.0	1.12	-
530 - 539	70	532	0.2	1760	139.4	1.16	-
540 - 549	16	545	1.5	1819	86.8	1.12	-
550 - 559	34	558	1.6	1885	168.6	1.08	-
560 - 569	1	565	-	2040	-	1.13	-
570 - 579	2	572	-	2068	39.5	1.10	-
580 - 589	6	583	0.4	2243	145.0	1.12	-
590 - 599	1	597	-	2864	-	1.34	-
660 - 669	1	660	-	3542	-	1.23	-
Total	318	-	-	-	-	-	-
Mean	-	515	34.5	1621	296.0	1.18	-

Length-Weight Relationship: $\log_{10} W = -3.1909 + 2.3584 (\log_{10} L)$
 $s_b = 0.0722$
95% C.I. of b = 2.2169 - 2.4999

Table 41. Mean fork length, mean dressed weight, condition factor and sex ratio by age for lake whitefish in gillnets (5½ in) from Grandin Lake, 1963.

Age (yr)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
Unknown	1	533	-	1872	-	1.23	-
10	3	482	63.5	1362	454.0	1.18	-
11	9	469	42.5	1328	243.4	1.28	-
12	12	500	32.0	1566	280.2	1.24	-
13	12	507	42.0	1539	338.6	1.16	-
14	26	503	28.6	1551	206.4	1.21	-
15	40	513	27.5	1606	207.9	1.18	-
16	52	518	32.4	1660	272.3	1.15	-
17	41	523	25.8	1675	211.0	1.16	-
18	39	511	39.7	1589	331.5	1.17	-
19	25	523	33.9	1712	348.2	1.18	-
20	21	527	31.0	1735	301.6	1.17	-
21	14	515	22.0	1627	229.4	1.18	-
22	8	511	36.9	1571	266.3	1.16	-
23	8	528	30.1	1684	236.9	1.13	-
24	3	533	25.5	1653	342.1	1.07	-
25	2	571	125.1	2522	1442.4	1.28	-
26	2	520	17.6	1715	182.4	1.21	-
Total	318	-	-	-	-	-	-
Mean	16.9 ^a	515	34.5	1621	296.0	1.18	-

^a Mean age.

Table 42. Fork length and round weight data for lake whitefish taken in gillnets (5½ in) from Grandin Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
350 - 399	3	507	500 - 549	39	1639
400 - 449	49	914	550 - 599	15	1950
450 - 499	16	1262			
			Total	122	1310
			Mean Length	477	

Table 43. Mean fork length, mean dressed weight, condition factor and sex ratio by length interval for lake trout in gillnets (5½ in) from Grandin Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
450 - 474	7	459	5.1	955	58.9	0.98	-
475 - 499	13	483	3.3	1099	94.1	0.97	-
500 - 524	23	508	2.9	1269	125.8	0.96	-
525 - 549	28	535	4.7	1356	126.8	0.88	-
550 - 574	47	559	3.8	1574	150.9	0.89	-
575 - 599	24	584	3.2	1708	218.4	0.85	-
600 - 624	8	610	-	1891	331.2	0.83	-
625 - 649	6	633	-	2063	225.6	0.81	-
650 - 674	4	666	7.5	2212	269.5	0.74	-
675 - 699	8	687	4.2	2849	319.7	0.87	-
700 - 724	6	711	-	2939	345.3	0.81	-
725 - 749	5	737	-	3073	240.7	0.76	-
750 - 774	2	762	-	3887	360.6	0.87	-
775 - 799	2	787	-	3957	824.4	0.81	-
Total	183	-	-	-	-	-	-
Mean	-	570	71.2	1699	640.3	0.88	-

Length-Weight Relationship:

$$\log_{10} W = -3.7203 + 2.5374 (\log_{10} L)$$

$$s_b = 0.0699$$

$$95\% \text{ C.I. of } b = 2.4004 - 2.6744$$

Table 44. Mean fork length, mean round weight and age data for lake whitefish in gillnets (1½ to 5½ in) from Great Bear Lake, 1963.

Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)	No.	Age Interval (yr)	No.
250 - 299	3	230	5	1	15	5
300 - 349	7	490	6	3	16	5
350 - 399	3	650	7	4	17	7
400 - 449	11	1030	8	2	18	5
450 - 499	18	1530	9	1	19	6
500 - 549	42	1990	10	3	20	3
550 - 599	27	2460	11	2	21	3
600 - 649	5	2830	12	1	22	1
650 - 699	1	3100	13	1	23	1
			14	3		
Total	117	1810			Total	57

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Length Interval (mm)	No.	Mean Age (yr)
1½	-	-	-	200 - 299	3	6.0
2½	34	427	1280	300 - 399	9	7.9
3½	3	387	740	400 - 499	19	14.4
4½	49	530	1980	500 - 599	23	18.1
5½	31	547	2230	600 - 699	3	20.3
Total	117	501	1810	Total	57	14.8

Table 45. Mean fork length, mean round weight and age data for lake whitefish in gillnets (4½, 5½ in) from Great Bear Lake, 1964.

Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)	No.	Age Interval (yr)	No.
350 - 399	1	730	8	1	20	13
400 - 449	6	1010	11	2	21	16
450 - 499	57	1400	12	3	22	9
500 - 549	62	1960	13	9	23	7
550 - 599	34	2720	14	10	24	4
600 - 649	16	3140	15	10	25	1
650 - 699	5	4020	16	16	26	2
			17	23	27	1
			18	26	> 30	1
			19	23		
Total	181	2050			Total	187

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Length Interval (mm)	No.	Mean Age (yr)
2½	-	-	-	300 - 399	1	11.0
3½	-	-	-	400 - 499	61	16.7
4½	122	512	1920	500 - 599	93	18.3
5½	60	549	2300	600 - 699	21	21.8
Total	182	524	2050	Total	187	18.1

Table 46. Mean fork length, mean round weight and age data for lake whitefish in gillnets (1½ to 5½ in) from Great Bear Lake, 1965.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
300 - 349	2	440	550 - 599	35	2580
350 - 399	10	650	600 - 649	11	3030
400 - 449	16	940	650 - 699	6	3680
450 - 499	65	1450	700 - 749	2	5540
500 - 549	56	1940			
			Total	203	1880

Age Interval (yr)	No.	Age Interval (yr)	No.	Age Interval (yr)	No.
8	2	16	24	23	1
9	6	17	13	24	4
10	2	18	18	25	2
11	12	19	24	26	2
12	12	20	12	27	1
13	9	21	10	29	1
14	7	22	3	> 30	2
15	22				
				Total	189

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Length Interval (mm)	No.	Mean Age (yr)
1½	-	-	-	200 - 299	-	-
2½	-	-	-	300 - 399	12	10.5
3½	71	476	1450	400 - 499	86	18.0
4½	59	514	1960	500 - 599	15	20.6
5½	73	543	2240	600 - 699	2	28.5
Total	203	511	1880	Total	189	16.7

Table 47. Mean fork length and mean round weight data for lake trout in gillnets (1½ to 5½ in) from Great Bear Lake, 1963.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
200 - 249	1	150	650 - 699	38	3870	1½	-	-	-
250 - 299	7	220	700 - 749	24	4490	2½	39	505	1960
300 - 349	4	350	750 - 799	15	4650	3½	36	620	2970
350 - 399	4	670	800 - 849	8	5790	4½	145	643	3280
400 - 449	12	1230	850 - 899	7	6760	5½	35	645	3220
450 - 499	29	1430	900 - 949	2	8250				
500 - 549	19	1760	950 - 1000	4	6470				
550 - 599	36	2200	> 1000	6	7010				
600 - 649	39	2750							
			Total	255	3020	Total	255	619	3020

Table 48. Mean fork length and mean round weight data for lake trout in gillnets (4½, 5½ in) from Great Bear Lake, 1964.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
450 - 499	10	1340	800 - 849	14	5910	1½	-	-	-
500 - 549	27	1680	850 - 899	20	7120	2½	-	-	-
550 - 599	81	2300	900 - 949	11	8340	3½	-	-	-
600 - 649	101	3110	950 - 1000	8	8670	4½	245	661	3470
650 - 699	93	3920	> 1000	14	-	5½	182	695	3940
700 - 749	28	4600							
750 - 799	20	5260	Total	427	3670	Total	427	676	3670

Table 49. Mean fork length and mean round weight data for lake trout in gillnets (1½ to 5½ in) from Great Bear Lake, 1965.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
350 - 399	1	600	750 - 799	4	4690	1½	-	-	-
400 - 449	10	1250	800 - 849	3	6230	2½	-	-	-
450 - 499	17	1200	850 - 899	4	6900	3½	89	593	2440
500 - 549	26	1700	900 - 949	9	8250	4½	150	656	3330
550 - 599	62	2310	950 - 1000	8	8490	5½	110	650	3320
600 - 649	118	2990	> 1000	6	9690				
650 - 699	57	3650							
700 - 749	24	4190	Total	349	3100	Total	349	638	3100

Table 50. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (5 in) from Hearne Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
390 - 399	2	394	-	706	39.5	1.15	-
400 - 409	8	406	-	897	176.0	1.34	1.7
410 - 419	8	418	2.1	991	149.1	1.35	3.0
420 - 429	4	425	-	936	39.5	1.21	1.0
430 - 439	31	433	2.7	1132	147.0	1.38	0.3
440 - 449	11	444	-	1178	100.6	1.34	1.8
450 - 459	40	455	2.4	1205	147.0	1.27	1.1
460 - 469	7	464	-	1216	56.0	1.21	0.2
470 - 479	16	471	2.8	1332	126.1	1.26	0.6
480 - 489	10	484	2.8	1466	215.4	1.28	1.0
490 - 499	5	495	-	1471	218.7	1.21	3.0
500 - 509	2	508	-	1998	59.3	1.52	1.0
580 - 589	1	584	-	2438	-	1.22	-
Total	145	-	-	-	-	-	0.9
Mean	-	450	26.1	1205	250.0	1.30	-

Length-Weight Relationship: $\log_{10} W = -4.0904 + 2.6997 (\log_{10} L)$
 $s_b = 0.1850$
95% C.I. of b = 2.3371 - 3.0623

Table 51. Mean fork length, mean round weight, condition factor and sex ratio by age for lake whitefish in gillnets (5 in) from Hearne Lake, 1963.

Age (yr)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
Unknown	118	447	23.1	1172	213.5	1.30	-
14	3	461	25.4	1208	144.1	1.23	0.5
15	1	444	-	1160	-	1.32	-
16	4	446	17.7	1160	153.3	1.30	3.0
17	4	459	27.8	1308	180.4	1.35	-
18	5	445	28.7	1235	350.6	1.36	0.7
19	2	483	-	1572	98.9	1.39	-
20	2	460	4.9	1286	19.7	1.31	-
21	2	466	31.8	1345	499.2	1.29	-
22	2	530	76.3	1942	701.4	1.28	1.0
24	1	508	-	1956	-	1.49	-
25	1	476	-	1446	-	1.34	-
Total	145	-	-	-	-	-	0.9
Mean	18.2 ^a	450	26.1	1205	250.0	1.30	-

^a Mean age.

Table 52. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (5 in) from Hearne Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
325 - 349	1	349	-	392	-	0.92	-
425 - 449	1	438	-	908	-	1.08	-
450 - 474	13	463	5.6	1071	96.8	1.08	0.6
475 - 499	29	487	5.8	1315	131.9	1.13	0.5
500 - 524	24	513	6.7	1437	113.4	1.05	1.4
525 - 549	27	533	7.1	1594	147.0	1.04	0.8
550 - 574	22	563	7.3	1772	163.2	0.98	1.8
575 - 599	13	582	3.7	1907	175.5	0.96	1.6
600 - 624	3	607	4.0	2079	235.5	0.92	-
625 - 649	2	631	2.8	2340	19.7	0.93	1.0
650 - 674	2	663	4.9	2763	380.4	0.94	1.0
750 - 774	1	762	-	4422	-	0.99	-
800 - 824	2	809	4.9	5246	642.0	0.98	1.0
850 - 874	3	855	7.5	6780	948.2	1.08	2.0
875 - 899	1	889	-	7942	-	1.13	-
Total	144	-	-	-	-	-	0.9
Mean	-	541	80.9	1766	1093.7	1.04	-

Length-Weight Relationship:

$$\log_{10} W = -4.4006 + 2.7869 (\log_{10} L)$$

$$s_b = 0.0656$$

$$95\% \text{ C.I. of } b = 2.6583 - 2.9155$$

Table 53. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (5½ in) from Hidden Lake, 1961.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
430 - 439	6	432	-	1122	91.4	1.39	-
440 - 449	6	444	-	1108	57.1	1.26	-
450 - 459	21	457	-	1267	107.7	1.32	-
470 - 479	10	470	-	1334	121.2	1.28	-
480 - 489	4	483	-	1381	105.7	1.22	-
490 - 499	1	495	-	1502	-	1.23	-
500 - 509	4	508	-	1642	104.7	1.25	-
540 - 549	1	546	-	1872	-	1.15	-
Total	53	-	-	-	-	-	-
Mean	-	463	22.6	1298	185.7	1.30	-

Length-Weight Relationship:

$$\log_{10} W = -3.1750 + 2.3577 (\log_{10} L)$$

$$s_b = 0.2316$$

$$95\% \text{ C.I. of } b = 1.8945 - 2.8209$$

Table 54. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (4, 5, 5½ in) from Hill Island Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
410 - 419	1	419	-	1132	-	1.53	-
430 - 439	2	435	4.2	1303	83.4	1.58	1.0
440 - 449	2	444	-	1188	79.1	1.35	-
450 - 459	13	456	2.2	1333	106.4	1.40	1.2
460 - 469	3	464	-	1322	174.3	1.32	2.0
470 - 479	12	472	2.9	1492	134.6	1.41	0.3
480 - 489	25	483	1.9	1478	104.6	1.30	1.5
490 - 499	14	495	-	1514	70.9	1.24	3.7
500 - 509	12	505	3.0	1619	168.6	1.25	1.0
520 - 529	5	521	-	1721	52.7	1.21	0.3
Total	89	-	-	-	-	-	1.1
Mean	-	481	21.1	1477	162.0	1.32	-

Length-Weight Relationship:

$$\log_{10} W = -1.6105 + 1.7811 (\log_{10} L)$$

$$s_b = 0.1909$$

$$95\% \text{ C.I. of } b = 1.4020 - 2.1602$$

Table 55. Mean fork length, mean round weight, condition factor and sex ratio by age for lake whitefish in gillnets (4, 5, 5½ in) from Hill Island Lake, 1963.

Age (yr)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
Unknown	2	483	26.8	1303	83.4	1.17	-
11	1	438	-	1244	-	1.48	-
12	4	470	15.0	1418	64.6	1.37	1.0
13	2	482	17.6	1474	158.3	1.30	1.0
14	9	472	19.6	1398	138.6	1.33	0.3
15	7	469	14.1	1505	169.0	1.45	2.5
16	10	476	13.3	1484	135.2	1.37	1.5
17	16	489	9.7	1509	97.7	1.29	1.3
18	15	481	28.3	1462	212.4	1.30	1.5
19	11	489	28.8	1534	229.7	1.30	0.4
20	4	490	18.1	1586	129.3	1.34	-
21	4	492	26.9	1530	112.0	1.29	1.0
22	3	482	12.5	1397	173.7	1.23	0.5
25	1	495	-	1474	-	1.21	-
Total	89	-	-	-	-	-	1.1
Mean	17.0 ^a	482	21.1	1477	162.0	1.32	-

^a Mean age.

Table 56. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (4, 5, 5½ in) from Hill Island Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
500 - 524	3	516	7.5	1774	132.7	1.28	2.0
525 - 549	3	535	4.0	1853	64.6	1.20	0.5
550 - 574	7	566	6.9	1880	88.1	1.03	0.2
575 - 599	19	587	6.8	2237	276.6	1.10	0.7
600 - 624	15	614	6.3	2458	363.2	1.06	0.7
625 - 649	10	638	8.5	2438	326.4	0.93	2.3
650 - 674	1	673	-	3514	-	1.15	-
675 - 699	3	693	6.6	2834	708.5	0.85	-
700 - 724	2	724	-	3859	321.0	1.01	-
725 - 749	1	749	-	4086	-	0.97	-
750 - 774	3	762	-	4349	285.0	0.98	0.5
775 - 799	1	787	-	5448	-	1.11	-
800 - 824	1	813	-	6580	-	1.22	-
825 - 849	1	838	-	8172	-	1.38	-
850 - 874	1	870	-	8172	-	1.24	-
900 - 924	2	914	-	9523	626.4	1.24	-
925 - 949	1	940	-	9080	-	1.09	-
950 - 974	2	965	-	9754	953.8	1.08	1.0
975 - 999	1	990	-	11325	-	1.16	-
1000 - 1024	1	1016	-	12231	-	1.16	-
Total Mean	78	-	-	-	-	-	0.8
	-	655	119.5	3387	2495.6	1.07	-

Length-Weight Relationship: $\log_{10}W = -5.0383 + 3.0228 (\log_{10} L)$
 $s_b = 0.1066$
95% C.I. of b = 2.8107 - 3.2349

Table 57. Mean length, mean round weight and age data for lake whitefish in gillnets (1½ to 5½ in) from Hyde Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
150 - 199	1	60	450 - 499	395	1320
200 - 249	6	130	500 - 549	550	1670
250 - 299	22	220	550 - 599	2	1560
350 - 399	2	640			
400 - 449	274	1100			
			Total	757	1220
			Mean Length	452	

Age Interval (yr)	No.	Age Interval (yr)	No.	Age Interval (yr)	No.
4	4	11	19	17	44
5	9	12	95	18	21
6	4	13	143	19	15
7	1	14	168	20	4
8	1	15	100	21	2
10	6	16	79		
				Total	715
				Mean Age	14.0

Table 58. Mean length, mean round weight and age data for northern pike in gillnets (1½ to 5½ in) from Hyde Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
350 - 399	7	400	750 - 799	23	3530
400 - 449	5	590	800 - 849	13	4570
450 - 499	17	840	850 - 899	13	5190
500 - 549	47	1030	900 - 949	8	6130
550 - 599	21	1310	950 - 1000	5	7010
600 - 649	51	1830	> 1000	9	8020
650 - 699	34	2160	Total	283	2450
700 - 749	30	2650	Mean Length		663

Age Interval (yr)	No.	Age Interval (yr)	No.	Age Interval (yr)	No.
4	1	12	34	20	2
5	5	13	31	21	2
6	25	14	20	23	2
7	19	15	10	24	1
8	10	16	10	25	1
9	14	17	7	26	1
10	15	18	8	27	1
11	28	19	5	Total	252

Length Interval (mm)	No.	Mean Age (yr)	Length Interval (mm)	No.	Mean Age (yr)
300 - 399	2	4.5	800 - 899	26	15.7
400 - 499	11	6.0	900 - 1000	12	18.1
500 - 599	58	7.5	> 1000	7	23.3
600 - 699	84	11.7	Total	252	11.8
700 - 799	52	13.2			

Table 59. Mean length, mean round weight and age data for northern pike in gillnets (1½ to 5½ in) from Kakisa Lake, 1968.

Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)	No.
250 - 299	2	200	1	3
300 - 349	2	430	2	3
350 - 399	11	430	3	13
400 - 449	23	640	4	19
450 - 499	58	720	5	10
500 - 549	23	940	6	11
550 - 599	15	1100	7	2
600 - 649	5	1310		
650 - 699	2	2290		
Total	141	830	Total	61
Mean Length		477	Mean Age	4.2

Table 60. Mean length, mean round weight and age data for lake whitefish in gillnets (1½ to 5½ in) from Kakisa Lake, 1968.

Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)	No.
100 - 149	1	90	2	3
150 - 199	15	90	3	25
200 - 249	20	170	4	3
250 - 299	5	300	5	4
300 - 349	23	490	6	9
350 - 399	30	840	7	7
400 - 449	19	1110	8	9
			9	13
			10	9
			11	3
Total	113	600		
			Total	85

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Length Interval (mm)	No.	Mean Age (yr)
1½	22	239	230	100 - 109	15	2.9
2½	40	270	530	200 - 299	17	3.4
3½	16	359	720	300 - 399	40	7.5
4½	24	369	790	400 - 499	13	9.7
5½	11	404	990			
Total	113	311	600	Total	85	6.2

Table 61. Mean length, mean round weight and age data for walleye in gillnets (1½ to 5½ in) from Kakisa Lake, 1968.

Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)	No.
100 - 149	2	50	2	1
150 - 199	6	80	3	3
200 - 249	59	140	4	12
250 - 299	46	250	5	7
300 - 349	111	430	6	13
350 - 399	126	580	7	16
400 - 449	31	770	8	18
450 - 499	5	1170	9	17
500 - 549	2	1540	10	14
Total	388	480	Total	101

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Length Interval (mm)	No.	Mean Age (yr)
1½	68	290	340	100 - 109	6	3.2
2½	158	296	370	200 - 299	18	4.6
3½	107	354	540	300 - 399	56	7.6
4½	53	396	740	400 - 499	19	9.0
5½	2	410	840	500 - 599	2	10.0
Total	388	325	480	Total	101	7.1

Table 62. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (5½ in) from Kasba Lake, 1967.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
420 - 429	1	420	-	1150	-	1.55	-
450 - 459	2	450	-	1400	70.7	1.53	1.0
470 - 479	3	470	-	1466	76.3	1.41	-
480 - 489	1	480	-	1700	-	1.53	-
490 - 499	5	490	-	1740	163.5	1.47	0.7
500 - 509	3	500	-	1966	28.8	1.57	-
510 - 519	2	510	-	2100	212.1	1.58	-
520 - 529	5	520	-	2160	138.7	1.53	0.3
530 - 539	13	530	-	2138	115.7	1.43	0.3
540 - 549	8	540	-	2318	215.3	1.47	0.6
550 - 559	12	550	-	2470	232.0	1.48	0.5
560 - 569	6	560	-	2541	139.3	1.44	2.0
570 - 579	1	570	-	3050	-	1.64	-
580 - 589	3	580	-	2666	144.3	1.36	0.5
590 - 599	5	590	-	2800	329.7	1.36	0.7
600 - 609	3	600	-	2833	332.9	1.31	2.0
610 - 619	1	610	-	3900	-	1.71	-
620 - 629	1	620	-	4250	-	1.78	-
630 - 639	1	630	-	3350	-	1.33	-
650 - 659	1	650	-	3800	-	1.38	-
Total	77	-	-	-	-	-	0.8
Mean	-	539	42.2	2334	553.9	1.46	-

Length-Weight Relationship: $\log_{10} W = -4.1947 + 2.7655 (\log_{10} L)$
 $s_b = 0.1276$
95% C.I. of b = 2.5108 - 3.0202

Table 63. Mean fork length, mean dressed weight and sex ratio by length interval for lake whitefish in gillnets (5½ in) from Kasba Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		F/M Ratio
		Mean	SD	Mean	SD	
450 - 459	1	457	-	1132	-	-
460 - 469	-	-	-	-	-	-
470 - 479	2	470	-	1076	79.1	-
480 - 489	1	483	-	1132	-	-
490 - 499	2	495	-	1362	-	-
500 - 509	4	508	-	1418	64.6	-
510 - 519	-	-	-	-	-	-
520 - 529	5	521	-	1451	159.3	1.0
530 - 539	3	533	-	1436	129.3	-
540 - 549	3	546	-	1511	129.3	-
550 - 559	10	559	-	1871	222.1	2.0
560 - 569	-	-	-	-	-	-
570 - 579	11	572	-	1814	143.5	0.3
580 - 589	11	584	-	2081	222.1	0.3
590 - 599	6	597	-	2306	266.1	1.0
600 - 609	-	-	-	-	-	-
610 - 619	18	610	-	2268	246.5	-
620 - 629	5	622	-	2405	202.7	1.0
630 - 639	6	633	-	2798	234.8	2.0
640 - 649	3	648	-	3024	345.4	1.0
660 - 669	6	660	-	2894	265.7	2.0
670 - 679	1	673	-	2948	-	-
680 - 689	3	686	-	3213	173.7	-
Total	101	-	-	-	-	-
Mean	-	585	50.1	2109	563.2	1.0

Table 64. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (5½ in) from Kasba Lake, 1967.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
500 - 524	1	500	-	1450	-	1.16	-
525 - 549	4	537	5.0	1875	104.0	1.20	0.3
550 - 574	7	560	8.2	2171	254.7	1.23	0.8
575 - 599	9	584	5.2	2383	173.2	1.19	0.3
600 - 624	10	605	7.0	2475	246.3	1.11	4.0
625 - 649	6	640	-	3066	318.8	1.16	1.0
650 - 674	4	662	9.5	3662	103.0	1.26	-
675 - 699	2	685	7.0	3800	424.2	1.18	1.0
700 - 724	1	710	-	4450	-	1.24	-
725 - 749	1	730	-	4100	-	1.05	-
750 - 774	1	750	-	4900	-	1.16	-
775 - 799	1	780	-	5900	-	1.24	-
800 - 824	-	-	-	-	-	-	-
825 - 849	2	835	7.0	7325	106.0	1.25	-
850 - 874	1	850	-	7250	-	1.18	-
Total	50	-	-	-	-	-	0.9
Mean	-	624	79.1	3045	1386.2	1.18	-

Length-Weight Relationship: $\log_{10} W = -5.0188 + 3.0329 (\log_{10} L)$
 $s_b = 0.0970$
95% C.I. of b = 2.8381 - 3.2277

Table 65. Mean fork length, mean dressed weight and sex ratio by length interval for lake trout in gillnets (5½ in) from Kasba Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		F/M Ratio
		Mean	SD	Mean	SD	
450 - 474	2	457	-	790	-	-
525 - 549	2	539	9.1	1247	162.6	-
550 - 574	4	565	7.5	1587	185.3	-
575 - 599	10	590	6.8	1712	173.5	-
600 - 624	12	615	6.1	1947	245.4	0.5
625 - 649	18	638	7.5	2098	206.7	0.5
650 - 674	13	665	6.5	2460	291.0	1.0
675 - 699	15	689	5.6	2677	311.6	0.3
700 - 724	10	714	6.2	2676	524.1	-
725 - 749	6	742	5.8	2987	171.2	-
750 - 774	2	762	-	2721	321.0	-
775 - 799	4	775	-	3489	251.5	-
800 - 824	1	800	-	3856	-	-
825 - 849	2	838	-	3971	479.4	-
850 - 874	2	864	-	4313	321.0	-
875 - 899	2	876	-	4425	804.6	-
900 - 924	1	914	-	4764	-	-
925 - 949	2	940	-	6014	158.3	-
950 - 974	1	965	-	5902	-	-
1025 - 1049	1	1030	-	7034	-	-
1100 - 1124	1	1104	-	10877	-	-
Total	111	-	-	-	-	1.0
Mean	-	685	105.4	2655	1310.8	-

Table 66. Mean fork length and round weight data for lake trout in gillnets (1½ to 5½ in) from Kathawachaga Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
150 - 199	12	60	450 - 499	10	1080	750 - 799	11	4970
200 - 249	9	110	500 - 549	39	1570	800 - 849	7	6840
250 - 299	3	240	550 - 599	47	2030	850 - 899	4	7310
300 - 349	6	360	600 - 649	30	2560	900 - 949	1	8080
350 - 399	6	570	650 - 699	25	3240	950 - 1000	1	-
400 - 449	11	980	700 - 749	26	4130			
						Total	248	2390

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
1½	64	505	2270	4½	42	570	2100
2½	75	558	2120	5½	27	704	3990
3½	40	572	2350				
				Total	248	564	3290

Table 67. Mean fork length, mean round weight and age data for cisco sp. in gillnets (1½ to 5½ in) from Kathawachaga Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Mesh Size (in)	No.	Mean length (mm)	Mean Weight (g)
250 - 299	192	240	1½	12	283	270
300 - 349	5	340	2½	189	280	260
350 - 399	8	750	3½	16	406	840
400 - 449	11	860	4½	3	438	870
450 - 499	5	1020	5½	1	264	230
Total	221	310	Total	221	291	310

Age Interval (yr)	No.	Age Interval (yr)	No.	Age Interval (yr)	No.	Length Interval (mm)	No.	Mean Age (yr)
6	124	9	1	13	3	200 - 299	185	6.4
7	58	11	1	15	1	300 - 399	9	10.3
8	5	12	5	17	1	400 - 499	5	13.8
				Total	199	Total	199	6.7

Table 68. Mean fork length, mean round weight and age data for lake whitefish in gillnets (1½ to 5½ in) from Kathawachaga Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)	No.	Age Interval (yr)	No.	Age Interval (yr)	No.
200 - 249	1	90	6	14	15	4	22	1
250 - 299	19	240	7	5	16	8	23	2
300 - 349	5	390	8	3	17	13	24	1
350 - 399	10	630	10	1	18	5	25	1
400 - 449	26	1030	11	2	19	7	26	1
450 - 499	29	1310	13	2	20	1		
			14	7	21	4		
Total	90	780					Total	82
Mean Length		393					Mean Age	14.4

Table 69. Mean fork length, mean round weight and age data for round whitefish in gillnets (1½ to 5½ in) from Kathawachaga Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)	No.	Age Interval (yr)	No.
150 - 199	1	60	4	2	12	1
200 - 249	15	100	5	5	13	4
250 - 299	3	190	6	1	14	3
300 - 349	10	340	8	7	15	1
350 - 399	18	550	10	5		
400 - 449	11	810	11	7		
450 - 499	1	630				
Total	59	420			Total	36
Mean Length		328			Mean Age	9.5

Table 70. Mean fork length and round weight data for lake trout in gillnets (1½ to 5½ in) from Keller Lake, 1962.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
50 - 99	1	-	600 - 649	83	2400
150 - 199	2	-	650 - 699	29	3070
200 - 249	6	110	700 - 749	22	4030
250 - 299	4	200	750 - 799	9	5200
300 - 349	7	360	800 - 849	14	6010
350 - 399	10	550	850 - 899	2	6970
400 - 449	12	870	900 - 949	2	7650
450 - 499	15	1280	950 - 1000	1	-
500 - 549	107	1700			
550 - 599	181	2030	Total	507	2250

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
1½	33	509	2080	4½	154	583	2280
2½	143	556	2000	5½	71	634	3100
3½	106	561	2040				
				Total	507	573	2250

Table 71. Mean fork length, mean round weight and age data for lake whitefish in gillnets (1½ to 5½ in) from Keller Lake, 1962.

Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)	No.	Age Interval (yr)	No.
150 - 199	11	-	2	7	16	42
200 - 249	11	120	3	10	17	60
250 - 299	14	270	4	5	18	79
300 - 349	13	440	5	10	19	77
350 - 399	14	740	6	11	20	69
400 - 449	6	990	7	13	21	36
450 - 499	11	1770	8	4	22	22
500 - 549	170	2230	9	5	23	13
550 - 599	307	2590	10	3	24	9
600 - 649	52	3060	12	4	25	4
650 - 699	6	3350	13	3	26	2
700 - 749	2	3320	14	25		
			15	29		
Total	617	2340			Total	542

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Length Interval (mm)	No.	Mean Age (yr)
1½	39	459	2410	100 - 109	11	2.5
2½	187	521	2170	200 - 299	24	4.6
3½	132	536	2290	300 - 399	26	6.8
4½	135	542	2420	400 - 499	16	13.8
5½	124	556	2570	500 - 599	416	18.3
				660 - 699	49	19.9
Total	617	532	2340	Total	542	16.8

Table 72. Mean fork length and round weight data for round whitefish in gillnets (1½ to 5½ in) from Keller Lake, 1962.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
150 - 199	2	200	300 - 349	8	290
200 - 249	8	90	350 - 399	-	-
250 - 299	18	200			
			Total	36	210
			Mean Length		265

Table 73. Mean fork length and round weight data for northern pike in gillnets (1½ to 5½ in) from Keller Lake, 1962.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
200 - 249	1	100	600 - 649	25	1770	1½	3	457	1090
250 - 299	2	160	650 - 699	15	2110	2½	44	459	830
300 - 349	5	270	700 - 749	8	2950	3½	86	603	1620
350 - 399	9	420	750 - 799	4	3000	4½	8	719	2740
400 - 449	10	580	800 - 849	1	4180	5½	1	610	1700
450 - 499	8	910	850 - 899	1	4600				
500 - 549	14	1130				Total	142	562	1350
550 - 599	39	1350	Total	142	1350				

Table 74. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (4½, 5½ in) from Lady Grey Lake, 1962.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
450 - 459	2	450	-	1135	321.0	1.24	1.0
460 - 469	5	460	-	1270	125.9	1.30	0.7
470 - 479	5	470	-	1362	-	1.31	1.5
480 - 489	11	480	-	1453	130.7	1.31	1.8
490 - 499	11	490	-	1545	136.2	1.31	0.6
500 - 509	17	500	-	1573	191.2	1.25	0.9
510 - 519	11	510	-	1617	125.5	1.21	2.7
520 - 529	12	520	-	1720	127.6	1.22	0.5
530 - 539	11	530	-	1865	271.1	1.25	1.2
540 - 549	9	540	-	2066	210.1	1.31	0.5
550 - 559	4	550	-	2041	319.6	1.22	1.0
560 - 569	2	560	-	1928	158.3	1.09	-
570 - 579	3	570	-	2040	-	1.10	0.5
580 - 589	2	580	-	2326	79.1	1.19	1.0
Total	105	-	-	-	-	-	1.0
Mean	-	509	29.3	1671	300.7	1.26	-

Length-Weight Relationship: $\log_{10} W = -3.6551 + 2.5392 (\log_{10} L)$
 $s_b = 0.1767$
95% C.I. of b = 2.3664 - 2.7120

Table 75. Mean fork length, mean round weight, condition factor and sex ratio by age for lake whitefish in gillnets (4½, 5½ in) from Lady Grey Lake, 1962.

Age (yr)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
Unknown	1	500	-	1586	-	1.26	-
7	8	477	20.5	1431	180.4	1.31	1.0
8	21	499	22.2	1576	284.8	1.25	1.6
9	23	498	24.2	1528	235.9	1.23	0.9
10	24	515	32.4	1734	280.8	1.27	1.2
11	13	525	19.4	1900	324.6	1.30	0.6
12	6	545	18.7	1889	184.8	1.16	0.5
13	7	530	28.2	1879	306.2	1.25	1.3
14	2	505	21.2	1701	162.6	1.32	-
Total	105	-	-	-	-	-	1.0
Mean	9.6 ^a	509	29.3	1671	300.7	1.26	-

^a Mean age.

Table 76. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (5½ in) from La Loche Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
410 - 419	3	410	-	982	64.6	1.42	-
440 - 449	1	440	-	1132	-	1.32	-
470 - 479	2	470	-	1530	79.1	1.47	-
510 - 519	1	510	-	2270	-	1.71	-
520 - 529	2	520	-	2326	79.1	1.65	-
540 - 549	4	540	-	2438	144.9	1.54	1.0
550 - 559	2	550	-	2382	-	1.43	-
560 - 569	3	560	-	2380	392.0	1.35	0.5
570 - 579	1	570	-	2724	-	1.47	-
580 - 589	6	580	-	2906	225.7	1.48	2.0
590 - 599	1	590	-	2382	-	1.15	-
600 - 609	2	600	-	2780	79.1	1.28	1.0
670 - 679	1	670	-	3060	-	1.01	-
Total	29	-	-	-	-	-	0.7
Mean	-	538	62.8	2306	653.2	1.44	-

Length-Weight Relationship: $\log_{10} W = -4.1187 + 2.7342 (\log_{10} L)$
 $s_b = 0.1850$
 95% C.I. of b = 2.3559 - 3.1125

Table 77. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (5½ in) from La Loche Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
450 - 474	7	467	4.8	1100	84.6	1.07	0.8
475 - 499	7	487	4.8	1294	63.0	1.12	1.3
500 - 524	16	510	8.5	1401	189.5	1.05	4.3
525 - 549	3	530	-	1814	115.0	1.21	2.0
550 - 574	5	556	8.9	1792	186.5	1.04	4.0
575 - 599	2	580	-	1359	162.6	0.69	1.0
625 - 649	1	640	-	2836	-	1.08	-
650 - 674	1	650	-	3402	-	1.23	-
700 - 724	1	700	-	4086	-	1.19	-
725 - 749	1	730	-	4764	-	1.22	-
775 - 799	1	790	-	6580	-	1.33	-
825 - 849	1	840	-	7830	-	1.32	-
Total	46	-	-	-	-	-	1.7
Mean	-	537	83.4	1865	1379.2	1.08	-

Length-Weight Relationship: $\log_{10} W = -5.5798 + 3.2240$
 $s_b = 0.1547$
 95% C.I. of b = 2.9126 - 3.5354

Table 78. Mean fork length, mean round weight and age data for lake whitefish in gillnets (1½ to 5½ in) from Lac La Martre, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)	No.	Age Interval (yr)	No.
200 - 249	2	580	3	1	14	205
250 - 299	1	230	4	1	15	133
350 - 399	16	750	5	1	16	96
400 - 449	131	1170	8	23	17	63
450 - 499	221	1370	9	53	18	20
500 - 549	847	1850	10	57	19	4
550 - 599	444	2290	11	109	20	2
600 - 649	19	2610	12	174	21	1
650 - 699	1	1330	13	213		
Total	1682	1900			Total	1156

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Length Interval (mm)	No.	Mean Age (yr)
1½	85	489	1790	0 - 99	1	3.0
2½	300	520	1940	200 - 299	3	6.3
3½	464	511	1770	300 - 399	14	8.6
4½	468	524	1890	400 - 499	203	10.7
5½	367	539	2090	500 - 599	919	13.8
				600 - 699	16	14.9
Total	1684	521	1900	Total	1156	13.2

Table 79. Mean fork length, mean round weight and age data for round whitefish in gillnets (1½ to 5½ in) from Lac La Martre, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Age (yr)
150 - 199	1	70	100 - 109	1	5.0
200 - 249	1	130	200 - 299	1	5.0
350 - 399	12	570	300 - 399	12	8.2
400 - 449	25	810	400 - 499	37	11.7
450 - 499	13	1130	500 - 599	1	13.0
500 - 549	1	1400	600 - 699	1	6.0
650 - 699	1	1900	700 - 799	1	13.0
750 - 799	1	3150			
Total	95	880	Total	54	10.6
Mean Length		431			

Age Interval (yr)	No.	Age Interval (yr)	No.	Age Interval (yr)	No.
5	3	9	5	13	7
6	1	10	4	14	6
7	3	11	4	15	2
8	8	12	11		
				Total	54

Table 80. Mean fork length and mean round weight for lake trout in gillnets (1½ to 5½ in) from Lac La Martre, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
200 - 249	1	80	700 - 749	6	5240	1½	95	633	2980
350 - 399	2	590	750 - 799	13	5130	2½	87	658	3360
400 - 449	5	930	800 - 849	14	6050	3½	162	624	2660
450 - 499	40	1210	850 - 899	24	7630	4½	106	621	2920
500 - 549	143	1650	900 - 949	33	8040	5½	43	663	3640
550 - 599	136	2030	950 - 1000	27	9050				
600 - 649	33	2490	> 1000	7	9640				
650 - 699	9	3420							
			Total	493	2990	Total	493	635	2990

Table 81. Mean fork length, mean round weight and age data for northern pike in gillnets (1½ to 5½ in) from Lac La Martre, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)	No.	Age Interval (yr)	No.
500 - 549	3	1290	800 - 849	5	4140	5	2	12	3
550 - 599	14	1400	850 - 899	1	4300	6	7	13	5
600 - 649	38	1690	900 - 949	6	5400	7	16	14	6
650 - 699	12	2160	950 - 1000	6	5950	8	27	15	5
700 - 749	15	2620	> 1000	3	8770	9	18	17	2
750 - 799	2	3390				10	7	21	2
			Total	105	2660	11	4		
								Total	104

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Length Interval (mm)	No.	Mean Age (yr)
1½	39	667	2210	500 - 599	16	7.0
2½	20	740	3190	600 - 699	50	8.4
3½	31	702	2570	700 - 799	17	9.5
4½	2	729	3050	800 - 899	6	12.0
5½	13	745	3360	900 - 1000	12	14.1
				> 1000	3	19.0
Total	105	702	2660	Total	104	9.5

Table 82. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (4½, 5½ in) from Lockhart Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
250 - 274	1	267	-	224	-	1.17	-
350 - 374	1	356	-	454	-	1.00	-
375 - 399	1	394	-	790	-	1.29	-
425 - 449	1	444	-	1020	-	1.16	-
450 - 474	1	470	-	1188	-	1.14	-
475 - 499	4	489	6.9	1202	53.6	1.02	1.0
500 - 524	13	513	8.2	1398	143.7	1.03	0.9
525 - 549	2	533	-	1530	79.1	1.01	1.0
550 - 574	2	555	4.9	1642	79.1	0.95	1.0
575 - 599	3	586	3.4	2156	299.7	1.07	2.0
600 - 624	1	603	-	2270	-	1.03	-
825 - 849	1	845	-	7942	-	1.31	-
875 - 899	1	876	-	8284	-	1.23	-
Total	32	-	-	-	-	-	1.1
Mean	-	525	109.9	1811	1711.7	1.06	-

Length-Weight Relationship: $\log_{10} W = -5.0746 + 3.0368 (\log_{10} L)$
 $s_b = 0.0924$
95% C.I. of b = 2.8491 - 3.2245

Table 83. Mean fork length, mean round weight and age data for lake whitefish in gillnets (1½ to 5½ in) from Macdougall Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)		Age Interval (yr)		Age Interval (yr)	
			No.	No.	No.	No.		
400 - 449	5	1080	15	1	20	19	25	3
450 - 499	15	1580	16	3	21	29	26	3
500 - 549	81	2090	17	7	22	17	27	2
550 - 599	23	2530	18	2	23	11		
			19	14	24	11		
Total	124	2070					Total	122
Mean Length	523						Mean Age	21.1

Table 84. Mean fork length, mean round weight and age data for round whitefish in gillnets (1½ to 5½ in) from Macdougall Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)		Age Interval (yr)	
			No.	No.	No.	No.
200 - 249	2	110	6	1	14	3
250 - 299	1	150	8	2	15	6
300 - 349	12	360	9	1	16	2
350 - 399	14	530	10	2	17	2
400 - 449	11	790	11	3	19	2
450 - 499	3	620	12	11	20	2
			13	6		
Total	43	540			Total	42
Mean Length	369				Mean Age	13.3

Table 85. Mean fork length and mean round weight for lake trout in gillnets (1½ to 5½ in) from Macdougall Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
150 - 199	3	70	450 - 499	12	1190	750 - 799	7	5170
200 - 249	1	80	500 - 549	17	1440	800 - 849	8	6770
250 - 299	1	240	550 - 599	7	2060	850 - 899	4	8190
300 - 349	3	390	600 - 649	9	2600	950 - 1000	1	8560
350 - 399	4	660	650 - 699	11	2970			
400 - 449	11	800	700 - 749	13	4060			
						Total	112	2720

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
1½	9	435	1860	4½	21	570	2840
2½	19	479	1450	5½	24	759	5050
3½	41	549	2140				
				Total	114	576	2720

Table 86. Mean fork length, mean round weight and age data for Arctic char in gillnets (1½ to 5½ in) from Macdougall Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
400 - 449	6	760	650 - 699	7	3280
450 - 499	3	1100	700 - 749	9	4020
500 - 549	5	1310	750 - 799	8	4920
550 - 599	1	1600	800 - 849	1	4900
600 - 649	4	2460			
			Total	44	2940
			Mean Length		635

Age Interval (yr)	No.	Age Interval (yr)	No.	Age Interval (yr)	No.
10	1	15	7	19	2
11	1	16	3	20	2
13	2	17	7	23	1
14	5	18	7		
				Total	38
				Mean Age	16.2

Table 87. Mean fork length and mean round weight for lake whitefish in gillnets (1½ to 5½ in) from Maguse Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
450 - 499	1	2030	600 - 649	1	3780
500 - 549	16	2470	650 - 699	1	4180
550 - 599	9	3090			
			Total	28	2760
			Mean Length		548

Table 88. Mean fork length and mean round weight for lake whitefish in gillnets (5½ in) from Maguse Lake, 1968.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
350 - 399	1	950	500 - 549	127	1920
400 - 449	28	1090	550 - 599	27	2340
450 - 499	116	1480			
			Total	299	1710
			Mean Length		495

Table 89. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (4½, 5½ in) from Maguse Lake, 1967.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
380 - 389	1	320	-	950	-	1.73	-
400 - 409	1	400	-	800	-	1.25	-
410 - 419	4	410	-	1025	64.5	1.48	0.3
420 - 429	6	420	-	1075	61.2	1.45	2.0
430 - 439	6	430	-	1025	38.0	1.28	5.0
440 - 449	11	440	-	1190	49.0	1.39	2.7
450 - 459	15	450	-	1280	77.4	1.40	2.0
460 - 469	17	460	-	1361	80.0	1.39	1.8
470 - 479	27	470	-	1418	121.8	1.36	0.8
480 - 489	31	480	-	1527	115.3	1.38	2.1
490 - 499	25	490	-	1646	145.5	1.39	2.1
500 - 509	32	500	-	1690	132.2	1.35	1.5
510 - 519	25	510	-	1810	147.9	1.36	1.8
520 - 529	27	520	-	1951	154.0	1.38	2.4
530 - 539	25	530	-	2086	141.0	1.40	5.3
540 - 549	19	540	-	2192	110.8	1.39	5.3
550 - 559	15	550	-	2303	100.8	1.38	3.7
560 - 569	5	560	-	2460	383.0	1.40	0.7
570 - 579	4	570	-	2462	110.8	1.32	1.0
580 - 589	1	580	-	3000	-	1.53	-
Total	297	-	-	-	-	-	1.9
Mean	-	494	31.1	1704	395.3	1.38	-

Length-Weight Relationship: $\log_{10} W = -4.7127 + 2.9453 (\log_{10} L)$
 $s_b = 0.0577$
95% C.I. of b = 2.8322 - 3.0584

Table 90. Mean fork length and mean round weight for lake trout in gillnets (1½ to 5½ in) from Maguse Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
150 - 199	1	80	550 - 599	29	2030
200 - 249	2	130	600 - 649	26	2570
250 - 299	5	220	650 - 699	8	3250
300 - 349	7	340	700 - 749	9	4050
350 - 399	3	530	750 - 799	2	4690
400 - 449	15	950	850 - 899	1	7900
450 - 499	29	1200			
500 - 549	39	1600	Total	176	1830

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
1½	17	453	1390	4½	70	549	1870
2½	32	482	1570	5½	23	636	2980
3½	34	496	1450	Total	176	529	1830

Table 91. Mean fork length, mean round weight and age data for Arctic char in gillnets (1½ to 5½ in) from Maguse Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
450 - 499	3	1220	700 - 749	26	4850
500 - 549	50	1750	750 - 799	11	5640
550 - 599	60	2400	800 - 849	3	5380
600 - 649	72	3070			
650 - 699	50	3790	Total	275	3090

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Age Interval (yr)	No.	Age Interval (yr)	No.
1½	14	594	2630	7	1	13	2
2½	38	586	2610	8	22	14	2
3½	52	591	2660	9	85	15	2
4½	69	636	3320	10	94	16	1
5½	102	641	3390	11	49		
				12	11		
Total	275	620	3090			Total	269
						Mean Age	9.9

Table 92. Mean fork length, mean round weight and age data for round whitefish in gillnets (1½ to 5½ in) from Maguse Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)	No.	Age Interval (yr)	No.
150 - 199	3	60	5	1	11	3
200 - 249	8	120	6	1	12	4
250 - 299	5	240	7	5	13	4
300 - 349	28	410	8	11	14	2
350 - 399	21	510	9	1	15	1
400 - 449	2	660	10	8		
Total	67	380			Total	41

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Length Interval (mm)	No.	Mean Age (yr)
1½	14	238	150	100 - 109	2	5.5
2½	46	338	420	200 - 299	8	7.9
3½	7	387	600	300 - 399	30	10.3
4½	-	-	-	400 - 499	1	15.0
5½	-	-	-			
Total	67	323	380	Total	41	9.7

Table 93. Mean fork length, mean round weight and age data for cisco sp. in gillnets (1½ to 5½ in) from Maguse Lake, 1959.

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Age Interval (yr)	No.	Age Interval (yr)	No.
1½	12	230	140	6	14	10	4
2½	59	279	290	7	12	12	2
3½	3	335	540	8	17	13	1
4½	-	-	-	9	8		
Total	74	273	270			Total	58
						Mean Age	7.8

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
150 - 199	2	70	300 - 349	14	430
200 - 249	16	160	350 - 399	2	830
250 - 299	40	250	Total	74	270

Table 94. Mean fork length and round weight data for longnose sucker in gillnets (1½ to 5½ in) from Maguse Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
150 - 199	17	60	1½	22	200	160
200 - 249	8	170	2½	100	307	410
250 - 299	57	260	3½	64	382	750
300 - 349	22	480	4½	27	430	1070
350 - 399	55	660	5½	1	497	1630
400 - 449	42	1000				
450 - 499	13	1310				
Total	214	570	Total	214	335	570

Table 95. Mean fork length, round weight and age data for round whitefish in gillnets (1½ to 5½ in) from Maze Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Mesh Size (in)	No.	Mean length (mm)	Mean Weight (g)
150 - 199	1	70	1½	25	253	180
200 - 249	14	110	2½	80	316	330
250 - 299	23	240	3½	3	373	580
300 - 349	61	340	4½	-	-	-
350 - 399	9	530	5½	-	-	-
Total	108	300	Total	108	303	300

Age Interval (yr)	No.	Age Interval (yr)	No.	Age Interval (yr)	No.
5	-	9	12	13	9
6	2	10	24	14	1
7	10	11	16	15	3
8	7	12	24		
				Total	108
				Mean Age	10.4

Table 96. Mean fork length and round weight data for lake trout in gillnets (1½ to 5½ in) from Maze Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
150 - 199	8	200	400 - 449	12	830	650 - 699	31	3150
200 - 249	6	110	450 - 499	41	1230	700 - 749	21	3960
250 - 299	2	380	500 - 549	106	1580	750 - 799	7	3900
300 - 349	4	330	550 - 599	81	2000	850 - 899	2	7690
350 - 399	2	610	600 - 649	62	2530	900 - 949	1	8280
						Total	386	2040
Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	
1½	32	462	1590	4½	99	551	1810	
2½	76	562	2160	5½	81	628	2730	
3½	98	535	1750					
				Total	386	558	2040	

Table 97. Mean fork length, round weight and age data for Arctic char in gillnets (1½ to 5½ in) from Maze Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
550 - 599	6	2320	1½	2	647	3410
600 - 649	15	2940	2½	9	686	3880
650 - 699	13	3690	3½	5	636	3000
700 - 749	7	4720	4½	11	668	3820
750 - 799	2	6280	5½	17	652	3480
800 - 849	1	6400				
Total	44	3590	Total	44	661	3590

Age Interval (yr)	No.	Age Interval (yr)	No.	Length Interval (mm)	No.	Mean Age (yr)
9	2	14	3	500 - 599	5	10.4
10	8	15	3	600 - 699	28	11.6
11	11	16	1	700 - 799	9	13.0
12	9	20	1	800 - 899	1	20.0
13	5					
		Total	43	Total	43	12.0

Table 98. Mean fork length, round weight and age data for cisco sp. in gillnets (1½ to 5½ in) from Maze Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
150 - 199	23	60	1½	86	221	130
200 - 249	50	130	2½	62	227	260
250 - 299	66	250	3½	6	325	460
300 - 349	15	410	4½	-	-	-
Total	154	200	Total	154	248	200

Age Interval (yr)	No.	Age Interval (yr)	No.	Age Interval (yr)	No.	Length Interval (mm)	No.	Mean Age (yr)
4	8	8	13	12	22	100 - 109	23	5.1
5	6	9	21	13	21	200 - 299	116	9.4
6	15	10	15	14	2	300 - 399	15	13.0
7	25	11	5	15	1	400 - 499	-	-
				Total	154	Total	154	9.1

Table 99. Mean fork length and round weight data for lake trout in gillnets (1½ to 5½ in) from Meliadine Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
150 - 199	1	50	450 - 499	10	1360	700 - 749	8	3950
250 - 299	2	140	500 - 549	21	1180	750 - 799	8	4380
300 - 349	4	400	550 - 599	8	2180	800 - 849	4	6190
350 - 399	4	620	600 - 649	7	2740	850 - 899	3	8100
400 - 449	3	1120	650 - 699	8	3110	900 - 949	2	8890
Total							93	2760

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
1½	3	500	2220	4½	33	597	2620
2½	15	496	1990	5½	26	661	3620
3½	16	561	2460	Total		93	2760

Table 100. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (4½, 5½ in) from Meridian Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
390 - 399	1	390	-	790	-	1.33	-
410 - 419	1	415	-	790	-	1.10	-
420 - 429	1	420	-	1132	-	1.52	-
460 - 469	1	465	-	1244	-	1.23	-
490 - 499	1	490	-	1362	-	1.15	-
500 - 509	2	502	3.5	1698	-	1.33	-
510 - 519	2	510	-	1872	79.1	1.41	-
520 - 529	6	522	2.7	2027	179.2	1.42	0.2
530 - 539	7	531	2.4	2154	207.2	1.43	0.4
540 - 549	8	543	2.3	2168	268.1	1.34	0.6
550 - 559	3	550	-	2305	345.8	1.38	2.0
560 - 569	2	560	-	2665	82.7	1.51	1.0
580 - 589	1	585	-	3290	-	1.64	-
600 - 609	1	600	-	3514	-	1.62	-
Total	37	-	-	-	-	-	0.4
Mean	-	523	42.2	2056	563.9	1.39	-

Length-Weight Relationship: $\log_{10} W = -5.9886 + 3.4163 (\log_{10} L)$
 $s_b = 0.2082$
95% C.I. of b = 2.9944 - 3.8382

Table 101. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (4½, 5½ in) from Meridian Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
325 - 349	1	340	-	454	-	1.15	-
400 - 424	1	420	-	908	-	1.22	-
425 - 449	1	440	-	1020	-	1.19	-
450 - 474	6	464	8.0	1150	84.3	1.14	2.0
475 - 499	14	486	5.0	1302	165.4	1.12	0.8
500 - 524	19	507	6.9	1443	124.2	1.10	0.6
525 - 549	6	534	6.6	1643	138.6	1.07	2.0
550 - 574	4	565	10.0	2069	143.7	1.15	0.3
575 - 599	1	580	-	2040	-	1.04	-
600 - 624	1	615	-	2607	-	1.12	-
625 - 649	3	636	6.9	2796	625.9	1.08	0.5
650 - 674	1	670	-	3402	-	1.13	-
675 - 699	1	680	-	3744	-	1.19	-
750 - 774	1	770	-	4652	-	1.01	-
Total	60	-	-	-	-	-	0.8
Mean	-	518	66.4	1632	714.8	1.11	-

Length-Weight Relationship: $\log_{10} W = -4.5975 + 2.8687 (\log_{10} L)$
 $s_b = 0.1011$
95% C.I. of b = 2.6665 - 3.0709

Table 102. Mean fork length, mean round weight and age data for lake whitefish in gillnets (1½ to 5½ in) from Nonacho Lake, 1968.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)	No.	Age Interval (yr)	No.
150 - 199	19	70	450 - 499	84	1520	3	1	9	10
200 - 249	8	180	500 - 549	181	2110	4	7	10	18
250 - 299	20	320	550 - 599	176	2690	5	8	11	24
300 - 349	19	470	600 - 649	24	3020	6	16	12	20
350 - 399	29	620	650 - 699	1	3270	7	12	13	25
400 - 449	28	1130	750 - 799	1	2910	8	16	14	4
			800 - 849	1	5810			15	1
			Total	591	1920			Total	162

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Length Interval (mm)	No.	Mean Age (yr)
1½	75	397	1340	200 - 299	18	5.0
2½	64	445	1500	300 - 399	35	6.7
3½	102	464	1600	400 - 499	34	10.3
4½	53	521	2130	500 - 599	71	11.6
5½	297	531	2230	600 - 699	3	12.7
				700 - 799	1	13.0
Total	591	492	1920	Total	162	9.6

Table 103. Mean fork length and mean round weight for lake trout in gillnets (1½ to 5½ in) from Nonacho Lake, 1968.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
0 - 49	2	70	600 - 649	109	2730
100 - 149	1	50	650 - 699	60	3360
150 - 199	14	110	700 - 749	32	3990
200 - 249	10	240	750 - 799	26	4790
250 - 299	9	270	800 - 849	24	5970
300 - 349	9	390	850 - 899	14	6520
350 - 399	20	550	900 - 949	8	7900
400 - 449	21	960	950 - 1000	8	3860
450 - 499	38	1190	> 1000	5	3080
500 - 549	53	1730			
550 - 599	82	2210	Total	545	2670

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
1½	103	500	1950	4½	37	611	2440
2½	91	563	2450	5½	247	657	3240
3½	67	554	2130				
				Total	545	596	2670

Table 104. Mean fork length and mean round weight for longnose sucker in gillnets (1½ to 5½ in) from Nonacho Lake, 1968.

Length Interval (mm)	No.	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
100 - 149	1	40	1½	12	238	290
150 - 199	5	80	2½	22	240	220
200 - 249	17	180	3½	11	322	470
250 - 299	6	360	4½	4	385	840
300 - 349	12	470	5½	-	-	-
350 - 399	7	640				
400 - 449	1	1140				
Total	49	350	Total	49	270	350

Table 105. Age data for lake whitefish in gillnets (5½ in) from North Henik Lake, 1967 and 1968.

1967				1968			
Age Interval (yr)	No.	Age Interval (yr)	No.	Age Interval (yr)	No.	Age Interval (yr)	No.
5	1	10	18	5	1	10	23
6	1	11	11	6	1	11	14
7	4	12	9	7	4	12	11
8	11	13	3	8	17	13	4
9	19			9	25		
		Total	77			Total	100
		Mean Age	9.7			Mean Age	9.7

Table 106. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (5½ in) from North Henik Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
440 - 449	2	440	-	1400	-	1.64	-
450 - 459	6	450	-	1358	86.1	1.50	-
460 - 469	2	460	-	1400	141.4	1.43	1.0
470 - 479	3	470	-	1550	132.2	1.49	1.0
480 - 489	4	480	-	1587	170.1	1.43	0.3
490 - 499	3	490	-	1750	180.2	1.48	-
500 - 509	14	500	-	1971	125.1	1.57	1.0
510 - 519	11	510	-	2240	210.7	1.69	0.5
520 - 529	18	520	-	2219	276.0	1.57	-
530 - 539	16	530	-	2346	114.7	1.57	0.5
540 - 549	24	540	-	2504	224.0	1.59	0.6
550 - 559	20	550	-	2682	257.1	1.61	0.5
560 - 569	26	560	-	2825	305.7	1.60	1.0
570 - 579	35	570	-	2998	250.7	1.62	1.5
580 - 589	31	580	-	3012	423.8	1.54	1.3
590 - 599	32	590	-	3223	393.9	1.57	0.8
600 - 609	46	600	-	3527	299.5	1.63	6.0
610 - 619	28	610	-	3585	539.3	1.58	1.0
620 - 629	23	620	-	3817	291.7	1.60	-
630 - 639	24	630	-	3968	333.5	1.58	-
640 - 649	7	640	-	3971	537.6	1.51	-
650 - 659	7	650	-	4407	235.2	1.60	-
660 - 669	3	660	-	3800	754.9	1.32	-
670 - 679	2	670	-	3900	848.5	1.29	-
680 - 689	3	680	-	4366	950.4	1.38	-
700 - 709	1	700	-	5000	-	1.45	-
Total	391	-	-	-	-	-	0.8
Mean	-	573	46.8	3043	766.8	1.58	-

Length-Weight Relationship:

$$\log_{10} W = -4.7313 + 2.9740 (\log_{10} L)$$

$$s_b = 0.0691$$

$$95\% \text{ C.I. of } b = 2.9064 - 3.0416$$

Table 107. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (5½ in) from North Henk Lake, 1967.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
500 - 524	1	520	-	1700	-	1.20	-
525 - 549	2	535	7.1	1825	106.0	1.20	1.0
550 - 574	4	557	9.5	1875	290.1	1.08	1.0
575 - 599	11	585	5.2	2190	178.6	1.09	0.4
600 - 624	15	608	8.3	2450	269.2	1.08	0.7
625 - 649	2	630	-	2475	176.7	0.98	1.0
650 - 674	9	655	5.2	2811	411.3	0.99	2.0
675 - 699	6	686	5.1	3316	278.6	1.02	1.0
700 - 724	4	700	-	3762	608.7	1.09	1.0
725 - 749	3	733	5.7	4400	200.0	1.11	2.0
750 - 774	4	760	11.5	4875	505.7	1.10	0.3
775 - 799	1	780	-	5800	-	1.22	-
800 - 824	2	800	-	5575	247.4	1.08	1.0
825 - 849	1	830	-	6900	-	1.20	-
Total	65	-	-	-	-	-	0.9
Mean	-	644	72.0	3006	1163.8	1.07	-

Length-Weight Relationship: $\log_{10} W = -4.9173 + 2.9813$
 $s_b = 0.1302$
95% C.I. of b = 2.7199 - 3.2427

Table 108. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (5½ in) from North Henk Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
175 - 199	1	190	-	-	-	-	-
200 - 224	1	210	-	-	-	-	-
225 - 249	2	230	-	-	-	-	-
250 - 274	1	260	-	-	-	-	-
275 - 299	1	280	-	-	-	-	-
300 - 324	1	300	-	300	-	1.11	-
375 - 399	1	380	-	600	-	1.09	-
400 - 424	1	410	-	800	-	1.16	-
425 - 449	3	433	5.7	1000	-	1.23	0.5
450 - 474	3	463	11.5	933	57.7	0.94	2.0
475 - 499	6	485	5.4	1466	136.6	1.28	0.2
500 - 524	32	512	8.7	1620	241.6	1.20	0.5
525 - 549	44	536	4.9	1803	289.4	1.17	0.3
550 - 574	64	560	8.1	1946	266.7	1.10	0.7
575 - 599	42	584	5.0	2166	164.0	1.08	0.9
600 - 624	79	608	8.3	2370	229.9	1.05	1.3
625 - 649	32	634	5.0	2560	296.9	1.00	1.9
650 - 674	58	658	7.5	2844	387.7	0.99	1.4
675 - 699	23	686	4.8	3343	488.8	1.03	0.9
700 - 724	23	705	6.6	3550	482.4	1.01	1.1
725 - 749	12	732	4.5	4000	596.9	1.01	3.0
750 - 774	11	760	9.4	4609	656.4	1.04	0.2
775 - 799	4	782	5.0	5075	789.0	1.05	-
800 - 824	5	806	8.9	5550	206.1	1.06	4.0
825 - 849	1	830	-	6900	-	1.20	-
850 - 874	1	870	-	6800	-	1.03	-
950 - 974	2	950	-	10250	1202.0	1.19	-
1000 - 1024	1	1020	-	9500	-	0.89	-
Total	455	-	-	-	-	-	1.0
Mean	-	606	91.5	2523	1136.2	1.09	-

Length-Weight Relationship: $\log_{10} W = -3.5376 + 2.4848 (\log_{10} L)$
 $s_b = 0.0378$
95% C.I. of b = 2.4478 - 2.5218

Table 109. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (5½ in) from North Henik Lake, 1967.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
440 - 449	2	440	-	1400	-	1.64	-
450 - 459	5	450	-	1330	57.0	1.45	-
460 - 469	2	460	-	1400	141.4	1.43	1.0
470 - 479	2	470	-	1625	35.3	1.56	1.0
480 - 489	4	480	-	1587	170.1	1.43	0.3
490 - 499	1	490	-	1950	-	1.65	-
500 - 509	4	500	-	1975	86.6	1.60	1.0
510 - 519	3	510	-	2150	259.8	1.62	0.5
520 - 529	2	520	-	2175	247.4	1.54	-
530 - 539	3	530	-	2383	104.1	1.60	0.5
540 - 549	10	540	-	2380	194.6	1.51	0.7
550 - 559	6	550	-	2675	140.5	1.60	0.5
560 - 569	2	560	-	2875	106.1	1.63	1.0
570 - 579	5	570	-	2910	155.7	1.57	1.5
580 - 589	7	580	-	2828	241.3	1.44	1.3
590 - 599	7	590	-	3057	450.4	1.49	0.8
600 - 609	7	600	-	3364	209.6	1.55	6.0
610 - 619	2	610	-	4050	636.3	1.78	1.0
630 - 639	1	630	-	3450	-	1.38	-
650 - 659	1	650	-	4550	-	1.65	-
Total	76	-	-	-	-	-	0.8
Mean	-	541	51.6	2508	741.4	1.50	-

Length-Weight Relationship: $\log_{10} W = -4.9791 + 3.0603 (\log_{10} L)$
 $s_b = 0.1095$
95% C.I. of b = 2.8421 - 3.2785

Table 110. Mean fork length, mean dressed weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (5½ in) from Nueltin Lake, 1962.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
460 - 469	1	464	-	-	-	-	-
470 - 479	1	476	-	1244	-	1.15	-
480 - 489	1	483	-	1474	-	1.30	-
490 - 499	2	495	-	1244	-	1.02	1.0
500 - 509	2	505	4.2	1359	321.0	1.05	-
510 - 519	1	514	-	1586	-	1.16	-
520 - 529	5	525	2.6	1563	93.7	1.07	1.5
530 - 539	4	533	-	1642	64.6	1.08	1.0
540 - 549	7	543	3.2	1651	171.2	1.02	0.8
550 - 559	12	556	3.4	1861	132.2	1.07	0.7
560 - 569	4	565	-	1898	193.3	1.05	3.0
570 - 579	10	573	2.5	1939	123.2	1.03	0.7
580 - 589	8	584	-	2183	199.2	1.09	1.0
590 - 599	14	593	3.6	2291	185.5	1.09	0.8
600 - 609	7	603	-	2398	120.0	1.09	0.8
610 - 619	14	611	2.5	2373	201.4	1.03	2.5
620 - 629	4	622	-	2553	217.6	1.06	3.0
630 - 639	4	633	-	2750	339.8	1.08	0.3
640 - 649	2	644	4.9	2777	400.2	1.03	-
650 - 659	1	654	-	3290	-	1.17	-
660 - 669	2	663	4.9	3063	162.6	1.04	1.0
Total	106	-	-	-	-	-	1.0
Mean	-	577	40.3	2094	445.6	1.07	-

Length-Weight Relationship: $\log_{10} W = -4.3840 + 2.7875 (\log_{10} L)$
 $s_b = 0.1229$
95% C.I. of b = 2.6673 - 2.9077

Table 111. Mean fork length and mean round weight for lake trout in gillnets (5½ in) from Peter Lake, 1968.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
250 - 299	4	180	650 - 699	68	3250
300 - 349	7	420	700 - 749	72	3770
350 - 399	9	590	750 - 799	65	4750
400 - 449	7	1010	800 - 849	39	5780
450 - 499	17	1340	850 - 899	17	6690
500 - 549	84	1800	900 - 949	6	7670
550 - 599	173	2180	> 1000	3	9000
600 - 649	128	2600			
			Total	699	3010
			Mean Length		632

Table 112. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (5½ in) from Peter Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
250 - 274	3	266	5.7	166	76.3	0.86	0.5
275 - 299	1	290	-	200	-	0.82	-
300 - 324	1	320	-	350	-	1.01	-
325 - 349	3	333	5.7	433	28.8	1.17	2.0
350 - 374	3	363	5.7	533	28.8	1.11	-
375 - 399	2	385	7.0	625	35.3	1.10	-
400 - 424	1	420	-	800	-	1.08	-
425 - 449	2	435	7.0	850	212.1	1.02	-
450 - 474	2	460	14.1	1250	70.7	1.29	1.0
475 - 499	1	490	-	1300	-	1.10	-
500 - 524	5	512	10.9	1760	427.7	1.30	0.3
525 - 549	2	540	-	2050	212.1	1.30	-
550 - 574	3	560	10.0	2250	86.6	1.28	2.0
575 - 599	6	585	5.4	2466	427.3	1.23	1.0
600 - 624	7	612	9.5	2628	269.0	1.14	0.8
625 - 649	5	638	4.4	3040	336.1	1.17	0.7
650 - 674	2	660	14.1	3300	707.1	1.14	1.0
675 - 699	10	685	5.2	3520	336.0	1.09	0.4
700 - 724	7	708	9.0	4085	211.5	1.14	0.8
725 - 749	4	732	5.0	4175	434.9	1.06	1.0
750 - 774	14	755	7.6	4692	371.0	1.09	2.3
775 - 799	7	785	5.3	5200	621.8	1.07	2.5
800 - 824	3	820	-	6266	709.4	1.13	2.0
825 - 849	2	830	-	5850	70.7	1.02	1.0
850 - 874	2	860	14.1	7650	1060.6	1.20	-
875 - 899	1	880	-	6250	-	0.91	-
Total	99	-	-	-	-	-	0.9
Mean	-	627	155.9	3240	181.6	1.12	-

Length-Weight Relationship:

$$\log_{10} W = -5.1163 + 3.0590 (\log_{10} L)$$

$$s_b = 0.0493$$

$$95\% \text{ C.I. of } b = 2.9615 - 3.1565$$

Table 113. Mean fork length, mean round weight, condition factor and sex ratio by length interval for Arctic char in gillnets (5½ in) from Peter Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
500 - 524	2	505	7.0	1550	212.1	1.20	-
525 - 549	1	540	-	1800	-	1.43	-
550 - 574	13	566	5.0	2246	176.1	1.23	12.0
575 - 599	24	585	5.1	2491	153.0	1.24	23.0
600 - 624	38	611	8.5	2713	225.6	1.18	0.6
625 - 649	25	634	5.0	2956	234.6	1.16	3.2
650 - 674	34	659	8.0	3344	289.4	1.16	0.3
675 - 699	13	681	3.7	3723	303.2	1.17	0.1
700 - 724	21	710	9.2	4197	298.5	1.17	-
725 - 749	1	740	-	3700	-	0.91	-
750 - 774	5	758	10.9	5120	277.5	1.17	-
900 - 924	1	900	-	6500	-	0.89	-
Total	178	-	-	-	-	-	1.3
Mean	-	638	54.0	3129	772.8	1.18	-

Length-Weight Relationship:

$$\log_{10} W = -4.0572 + 2.6893 (\log_{10} L)$$

$$s_b = 0.0702$$

$$95\% \text{ C.I. of } b = 2.6206 - 2.7580$$

Table 114. Mean fork length, mean round weight and age data for lake whitefish in gillnets (1½ to 5½ in) from Redrock Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
400 - 449	1	-	600 - 649	87	2770
450 - 499	3	-	650 - 699	24	3160
500 - 549	5	1730	700 - 749	1	4780
550 - 599	19	2260			
			Total	140	2710
			Mean Length		571

Age Interval (yr)	No.	Age Interval (yr)	No.	Age Interval (yr)	No.
6	1	12	5	18	6
7	1	13	18	19	6
8	1	14	19	20	2
9	3	15	34	21	2
10	5	16	18	22	1
11	4	17	13	23	1
				Total	140
				Mean Age	14.8

Table 115. Mean fork length and mean round weight for lake trout in gillnets (1½ to 5½ in) from Redrock Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
400 - 449	3	940	750 - 799	16	5380
450 - 499	7	1240	800 - 849	23	6580
500 - 549	23	1610	850 - 899	6	6590
550 - 599	41	1930	900 - 949	5	9080
600 - 649	22	2530	950 - 1000	5	8700
650 - 699	14	3520	> 1000	3	-
700 - 749	15	4460			
			Total	184	3860

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
1½	28	625	3350	4½	53	679	3950
2½	34	646	3490	5½	36	745	4780
3½	34	626	3610				
				Total	185	668	3860

Table 116. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (4½, 5½ in) from Reid Lake, 1967.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
410 - 419	5	416	3.2	951	108.1	1.31	0.7
420 - 429	4	425	-	1034	16.1	1.34	1.0
430 - 439	9	435	3.1	1091	74.2	1.32	0.5
440 - 449	4	444	-	1132	129.3	1.29	0.3
450 - 459	13	452	2.6	1173	146.8	1.26	1.6
470 - 479	2	470	-	1132	158.3	1.09	-
480 - 489	1	489	-	1474	-	1.26	-
Total	38	-	-	-	-	-	0.7
Mean	-	441	16.5	1111	143.8	1.28	-

Length-Weight Relationship:

$$\log_{10} W = -2.7158 + 2.1771 L$$

$$s_b = 0.4365$$

$$95\% \text{ C.I. of } b = 1.3078 - 3.0464$$

Table 117. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (4½, 5½ in) from Reid Lake, 1967.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
475 - 499	1	489	-	1474	-	1.26	-
500 - 524	1	521	-	1816	-	1.28	-
525 - 549	16	538	7.1	1672	235.7	1.06	0.6
550 - 574	9	562	8.1	1772	409.9	0.99	0.8
575 - 599	5	588	8.5	2267	267.7	1.11	0.3
600 - 624	1	610	-	2948	-	1.29	-
625 - 649	1	648	-	2948	-	1.08	-
775 - 799	1	787	-	7376	-	1.51	-
Total	35	-	-	-	-	-	0.7
Mean	-	562	48.8	2017	1029.0	1.08	-

Length-Weight Relationship:

$$\log_{10} W = -6.4292 + 3.5310 (\log_{10} L)$$

$$s_b = 0.4019$$

$$95\% \text{ C.I. of } b = 2.7151 - 4.3469$$

Table 118. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (4½, 5½ in) from Rivett Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
450 - 474	3	463	11.5	1057	129.3	1.05	-
475 - 499	1	480	-	1244	-	1.12	-
500 - 524	6	511	7.5	1418	61.3	1.05	1.0
525 - 549	2	535	7.0	1698	-	1.10	1.0
550 - 574	5	558	8.3	1791	96.5	1.03	4.0
575 - 599	1	580	-	2382	-	1.22	-
600 - 624	6	610	8.9	2476	166.7	1.09	0.2
625 - 649	1	640	-	2948	-	1.12	-
650 - 674	3	656	5.7	2950	299.7	1.04	0.5
675 - 699	1	680	-	3402	-	1.08	-
700 - 724	-	-	-	-	-	-	-
725 - 749	3	733	5.7	4575	795.7	1.15	0.5
750 - 774	-	-	-	-	-	-	-
775 - 799	1	790	-	6126	-	1.24	-
800 - 824	-	-	-	-	-	-	-
825 - 849	-	-	-	-	-	-	-
850 - 874	1	860	-	9192	-	1.44	-
Total	34	-	-	-	-	-	0.9
Mean	-	593	96.9	2551	1676.2	1.09	-

Length-Weight Relationship:

$$\log_{10} W = -5.6922 + 3.2639 (\log_{10} L)$$

$$s_b = 0.0904$$

$$95\% \text{ C.I. of } b = 3.0795 - 3.4483$$

Table 119. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (3½, 4½, 5½ in) from Ross Lake, 1967.

Length Interval (mm)	No.	Fork Length (mm)		Length (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
380 - 389	1	385	-	538	-	0.94	-
400 - 409	2	400	-	678	-	1.05	-
410 - 419	1	415	-	790	-	1.10	-
420 - 429	1	420	-	1020	-	1.37	-
430 - 439	1	430	-	964	-	1.21	-
440 - 449	5	442	2.7	1064	61.3	1.23	0.7
450 - 459	4	452	2.8	1076	79.2	1.16	0.3
460 - 469	7	460	-	1120	124.0	1.15	2.5
470 - 479	9	472	2.6	1265	199.9	1.19	0.8
480 - 489	9	484	1.6	1370	169.3	1.20	0.8
490 - 499	2	495	-	1387	123.0	1.14	1.0
500 - 509	9	501	2.2	1586	232.4	1.26	2.0
510 - 519	2	512	3.5	1614	39.6	1.19	-
520 - 529	5	521	2.2	1985	170.5	1.40	1.5
530 - 539	6	531	2.6	1794	147.4	1.19	1.0
540 - 549	8	543	2.5	1835	148.6	1.14	1.0
550 - 559	7	551	2.4	1885	270.9	1.12	0.4
560 - 569	2	560	-	1928	-	1.09	-
Total	81	-	-	-	-	-	1.0
Mean	-	493	42.3	1463	396.6	1.19	-

Length-Weight Relationship: $\log_{10} W = -5.1209 + 3.0723 (\log_{10} L)$
 $s_b = 0.1627$
95% C.I. of b = 2.7497 - 3.3949

Table 120. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (3½, 4½, 5½ in) from Ross Lake, 1967.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
400 - 424	2	405	-	538	39.6	0.80	1.0
425 - 449	1	425	-	678	-	0.88	-
450 - 474	2	462	10.6	908	-	0.92	1.0
475 - 499	3	486	5.7	1113	32.3	0.96	2.0
500 - 524	6	514	8.0	1398	222.2	1.02	1.5
525 - 549	13	536	6.8	1617	146.6	1.04	1.2
550 - 574	11	559	5.8	1737	117.4	1.05	1.2
575 - 599	6	580	3.1	2079	264.6	1.06	0.2
600 - 624	2	605	7.0	2609	162.6	1.17	-
625 - 649	1	630	-	2724	-	1.09	-
650 - 674	1	650	-	2494	-	0.90	-
675 - 699	4	685	4.1	3856	358.6	1.19	1.0
750 - 774	2	770	-	5333	479.4	1.17	-
925 - 949	1	940	-	15436	-	1.86	-
Total	55	-	-	-	-	-	1.0
Mean	-	564	89.9	2199	2075.7	1.06	-

Length-Weight Relationship: $\log_{10} W = -6.8383 + 3.6770 (\log_{10} L)$
 $s_b = 0.0871$
95% C.I. of b = 3.5025 - 3.8515

Table 121. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (4½, 5½ in) from Rutledge Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
440 - 449	1	440	-	1244	-	1.46	-
460 - 469	1	460	-	1132	-	1.16	-
480 - 489	1	480	-	1362	-	1.23	-
490 - 499	7	490	-	1618	84.6	1.37	0.7
500 - 509	9	500	-	1725	137.1	1.38	0.3
510 - 519	15	510	-	1822	149.8	1.37	1.5
520 - 529	17	520	-	1837	105.0	1.30	2.4
530 - 539	17	530	-	1937	173.1	1.30	1.1
540 - 549	5	540	-	2059	192.7	1.30	0.7
550 - 559	5	550	-	2153	81.3	1.29	1.5
560 - 569	5	560	-	2291	95.8	1.30	1.0
Total	83	-	-	-	-	-	1.1
Mean	-	518	21.8	1862	241.8	1.33	-

Length-Weight Relationship: $\log_{10} W = -3.8738 + 2.6302 (\log_{10} L)$
 $s_b = 0.1939$
95% C.I. of b = 2.2457 - 3.0147

Table 122. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (4½, 5½ in) from Rutledge Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
500 - 524	10	513	8.2	1473	130.5	1.09	0.1
525 - 549	5	530	-	1631	61.3	1.10	0.6
550 - 574	9	557	8.3	1901	167.7	1.09	0.5
575 - 599	4	585	5.7	1785	251.5	0.89	1.0
600 - 624	4	605	10.0	2097	146.9	0.95	-
625 - 649	1	630	-	2494	-	0.99	-
750 - 774	1	770	-	4422	-	0.97	-
800 - 824	1	820	-	6810	-	1.23	-
Total	35	-	-	-	-	-	0.6
Mean	-	565	67.4	1978	994.7	1.05	-

Length-Weight Relationship: $\log_{10} W = -4.3659 + 2.7764 (\log_{10} L)$
 $s_b = 0.1870$
95% C.I. of b = 2.3968 - 3.1560

Table 123. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (4½, 5½ in) from Saunders Lake, 1967.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
440 - 449	1	440	-	1244	-	1.46	-
450 - 459	2	450	-	1146	19.8	1.25	-
460 - 469	3	460	-	1197	132.3	1.23	2.0
470 - 479	5	472	2.7	1348	172.6	1.28	0.7
480 - 489	7	480	-	1444	188.4	1.30	6.0
490 - 499	3	490	-	1623	64.6	1.38	0.5
500 - 509	6	502	2.7	1686	108.7	1.33	1.0
510 - 519	11	510	2.0	1619	101.9	1.21	0.8
520 - 529	2	520	-	1984	237.6	1.41	1.0
530 - 539	2	530	-	1698	-	1.14	-
540 - 549	2	540	-	2155	162.6	1.37	-
Total	44	-	-	-	-	-	1.0
Mean	-	493	24.5	1555	265.3	1.28	-

Length-Weight Relationship: $\log_{10} W = -4.5098 + 2.8576 (\log_{10} L)$
 $s_b = 0.2930$
 95% C.I. of b = 2.2659 - 3.4493

Table 124. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (4½, 5½ in) from Saunders Lake, 1967.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
425 - 449	1	430	-	790	-	0.99	-
450 - 474	1	460	-	1244	-	1.28	-
475 - 499	2	482	10.6	1247	162.6	1.10	1.0
500 - 524	12	509	9.1	1371	137.3	1.04	3.0
525 - 549	7	535	5.3	1781	214.4	1.16	2.5
550 - 574	4	557	5.0	1785	282.8	1.03	3.0
375 - 399	2	590	-	2382	158.4	1.16	-
600 - 624	1	600	-	2494	-	1.15	-
700 - 724	1	720	-	4540	-	1.21	-
Total	31	-	-	-	-	-	2.8
Mean	-	530	50.7	1690	663.7	1.09	-

Length-Weight Relationship: $\log_{10} W = -5.5092 + 3.1999 (\log_{10} L)$
 $s_b = 0.2497$
 95% C.I. of b = 2.6906 - 3.7092

Table 125. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (4½, 5½ in) from Slemon Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
320 - 329	1	324	-	454	-	1.33	-
330 - 339	4	331	3.0	496	48.5	1.36	1.0
340 - 349	4	347	3.0	559	26.8	1.33	0.3
350 - 359	3	356	-	556	42.8	1.23	0.5
360 - 369	2	368	-	762	118.8	1.53	0.6
380 - 389	5	381	-	722	50.8	1.30	-
390 - 399	2	394	-	908	-	1.48	1.0
400 - 409	3	406	-	954	42.7	1.42	2.0
410 - 419	7	416	3.2	1004	95.4	1.39	2.5
420 - 429	2	425	-	1048	39.6	1.36	-
430 - 439	3	434	3.4	1141	80.8	1.39	0.5
440 - 449	6	444	-	1311	68.2	1.49	1.5
450 - 459	2	454	4.2	1202	59.4	1.28	1.0
Total	44	-	-	-	-	-	1.0
Mean	-	395	39.9	885	285.1	1.38	-

Length-Weight Relationship: $\log_{10} W = -5.4979 + 3.2456 (\log_{10} L)$
 $s_b = 0.1192$
95% C.I. of b = 3.0049 - 3.4863

Table 126. Mean fork length, mean round weight, condition factor and sex ratio by age for lake whitefish in gillnets (4½, 5½ in) from Slemon Lake, 1963.

Age (yr)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
8	1	381	-	706	-	1.27	-
9	2	336	17.7	510	79.2	1.33	-
10	5	351	20.1	560	72.4	1.28	-
11	5	359	26.9	645	178.6	1.36	0.7
12	8	393	39.7	877	241.5	1.41	1.3
13	7	415	37.7	981	245.3	1.35	1.3
14	8	407	24.2	959	212.6	1.39	3.0
15	1	444	-	1300	-	1.48	-
16	3	431	21.9	1227	235.5	1.51	-
17	2	438	8.5	1205	222.0	1.42	-
18	1	425	-	1076	-	1.40	-
22	1	432	-	1188	-	1.47	-
Total	44	-	-	-	-	-	1.0
Mean	12.8 ^a	395	39.9	885	285.1	1.38	-

^a Mean age.

Table 127. Mean fork length, mean round weight, condition factor and sex ratio by length interval for walleye in gillnets (4½, 5½ in) from Slemon Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
310 - 319	1	318	-	336	-	1.04	-
390 - 399	1	394	-	734	-	1.20	-
400 - 409	1	406	-	734	-	1.09	-
410 - 419	1	419	-	734	-	0.99	-
430 - 439	2	432	-	936	39.6	1.16	1.0
440 - 449	1	444	-	964	-	1.10	-
450 - 459	8	454	3.1	932	45.9	0.99	1.0
460 - 469	3	464	-	982	85.5	0.98	2.0
470 - 479	5	472	3.3	1003	96.2	0.95	1.5
480 - 489	3	483	-	1085	58.3	0.96	2.0
500 - 509	2	508	-	1244	-	0.95	-
540 - 549	1	546	-	1530	-	0.94	-
580 - 589	1	584	-	1726	-	0.86	-
Total	30	-	-	-	-	-	1.3
Mean	-	461	45.9	993	243.7	0.99	-

Length-Weight Relationship: $\log_{10} W = -3.7725 + 2.5382 (\log_{10} L)$
 $s_b = 0.1272$
95% C.I. of b = 2.2785 - 2.7979

Table 128. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (5½ in) from Snowbird Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
425 - 449	2	435	7.1	1050	70.7	1.27	1.0
450 - 454	5	454	5.4	1140	54.7	1.21	0.2
475 - 499	3	486	5.7	1416	104.1	1.23	0.5
500 - 524	20	512	7.6	1630	306.2	1.21	0.3
525 - 549	34	535	5.0	1897	301.0	1.23	0.9
550 - 574	55	559	7.3	2196	349.0	1.25	0.7
575 - 599	36	584	5.0	2444	319.1	1.22	1.1
600 - 624	46	609	8.6	2791	240.2	1.23	1.0
625 - 649	29	634	5.0	3106	296.3	1.22	0.7
650 - 674	22	660	8.1	3429	491.0	1.19	0.8
675 - 699	12	684	5.1	3775	475.0	1.18	3.0
700 - 724	5	712	8.3	4050	342.8	1.12	1.5
725 - 749	5	734	5.4	4380	414.7	1.10	-
750 - 774	2	770	-	4950	70.7	1.08	-
775 - 799	4	785	5.7	5650	310.9	1.16	0.3
800 - 824	2	805	7.1	5700	989.9	1.09	1.0
825 - 849	2	840	-	6550	70.7	1.10	1.0
850 - 874	4	850	-	6925	309.5	1.12	3.0
900 - 924	7	900	-	9628	3211.3	1.32	0.3
950 - 974	4	950	-	13175	2633.3	1.53	0.3
Total	299	-	-	-	-	-	0.8
Mean	-	611	95.0	3023	1971.4	1.22	-

Length-Weight Relationship: $\log_{10} W = -4.8310 + 2.9694$
 $s_b = 0.0537$
95% C.I. of b = 2.8641 - 3.0747

Table 129. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (5½ in) from Snowbird Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
390 - 399	8	390	-	900	-	1.52	3.0
400 - 409	9	400	-	1000	50.0	1.56	0.3
410 - 419	7	410	-	1028	48.8	1.49	1.3
420 - 429	8	420	-	1087	83.4	1.46	0.1
430 - 439	12	430	-	1175	45.2	1.48	1.0
440 - 449	10	440	-	1290	99.4	1.51	4.0
450 - 459	7	450	-	1407	93.2	1.54	0.2
460 - 469	12	460	-	1558	242.9	1.60	0.7
470 - 479	31	470	-	1609	149.1	1.55	1.8
480 - 489	25	480	-	1662	152.2	1.50	1.0
490 - 499	22	490	-	1684	197.8	1.43	0.7
500 - 509	55	500	-	1827	210.3	1.46	0.6
510 - 519	38	510	-	1992	189.4	1.50	0.8
520 - 529	28	520	-	1966	310.3	1.40	0.2
530 - 539	8	530	-	1993	156.8	1.34	0.6
540 - 549	10	540	-	2250	108.0	1.43	0.4
550 - 559	5	550	-	2320	216.8	1.35	-
560 - 569	2	560	-	2550	70.7	1.45	-
Total	297	-	-	-	-	-	0.8
Mean	-	483	38.5	1692	388.7	1.48	-

Length-Weight Relationship: $\log_{10} W = -4.0451 + 2.7066 (\log_{10} L)$
 $s_b = 0.0819$
95% C.I. of b = 2.5461 - 2.8671

Table 130. Mean fork length, mean round weight, condition factor and sex ratio by length interval for northern pike in gillnets (5½ in) from Snowbird Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
560 - 579	2	570	-	1500	-	0.80	-
640 - 659	5	646	5.4	1960	151.6	0.72	1.5
660 - 679	5	664	5.4	2050	122.4	0.70	4.0
680 - 699	1	680	-	2100	-	0.66	-
700 - 719	4	702	5.0	2262	228.6	0.65	0.3
720 - 739	2	720	-	2400	282.8	0.64	-
740 - 759	2	745	7.1	2700	141.4	0.65	1.0
760 - 779	3	763	5.7	3033	288.6	0.68	-
780 - 799	4	787	5.0	3375	150.0	0.69	-
800 - 819	3	806	5.7	3566	503.3	0.68	-
900 - 919	2	900	-	4750	70.7	0.65	-
Total	33	-	-	-	-	-	2.7
Mean	-	720	79.8	2642	845.8	0.69	-

Length-Weight Relationship: $\log_{10} W = -4.1369 + 2.6407 (\log_{10} L)$
 $s_b = 0.1284$
95% C.I. of b = 2.3801 - 2.9013

Table 131. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (4½, 5½ in) from Stagg Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
330 - 339	2	336	-	566	-	1.49	-
340 - 349	1	343	-	-	-	-	-
350 - 359	1	356	-	566	-	1.25	-
360 - 369	1	368	-	678	-	1.36	-
370 - 379	2	375	-	678	-	1.28	1.0
380 - 389	2	384	4.2	678	-	1.19	-
390 - 399	4	394	-	962	146.9	1.57	1.0
400 - 409	3	404	3.4	906	115.0	1.37	0.5
410 - 419	16	417	2.8	1062	90.3	1.46	1.7
420 - 429	8	425	-	1062	102.6	1.38	1.0
430 - 439	18	435	3.0	1189	125.2	1.44	1.0
440 - 449	10	444	-	1234	113.6	1.41	2.3
450 - 459	19	454	3.0	1402	156.9	1.49	0.7
460 - 469	3	464	-	1257	283.8	1.26	2.0
470 - 479	9	474	2.6	1586	149.3	1.48	0.3
480 - 489	1	489	-	1816	-	1.55	-
490 - 499	1	495	-	1586	-	1.30	-
500 - 509	3	506	3.4	1776	174.3	1.37	-
Total	104	-	-	-	-	-	1.0
Mean	-	434	33.2	1203	292.7	1.44	-

Length-Weight Relationship: $\log_{10} W = -4.7482 + 2.9639 (\log_{10} L)$
 $s_b = 0.1421$
95% C.I. of b = 2.6828 - 3.2450

Table 132. Mean fork length, mean round weight, condition factor and sex ratio by age for lake whitefish in gillnets (4½, 5½ in) from Stagg Lake, 1963.

Age (yr)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
9	1	368	-	678	-	1.36	-
10	4	387	37.1	849	236.0	1.43	3.0
11	8	419	27.4	1090	227.1	1.46	0.6
12	10	401	35.2	911	260.2	1.39	1.0
13	16	428	35.3	1197	287.4	1.49	1.0
14	12	441	16.2	1256	164.5	1.45	1.4
15	11	434	17.4	1185	155.9	1.43	0.8
16	16	448	28.7	1317	329.0	1.43	0.8
17	10	448	20.3	1325	266.9	1.45	1.0
18	8	450	28.1	1264	324.9	1.37	3.0
19	3	476	23.1	1513	262.1	1.39	2.0
20	2	454	4.2	1474	158.4	1.57	-
21	2	431	17.6	1244	-	1.55	-
25	1	508	-	1586	-	1.21	-
Total	104	-	-	-	-	-	1.1
Mean	14.7 ^a	434	33.2	1203	292.7	1.44	-

^a Mean age.

Table 133. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (4½, 5½ in) from Terry Lakes (Upper and Lower), 1967.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
360 - 369	2	362	-	510	-	1.07	1.0
380 - 389	1	381	-	622	-	1.12	-
400 - 409	2	403	4.2	793	162.6	1.20	1.0
410 - 419	2	416	4.2	877	43.8	1.21	-
420 - 429	6	425	-	991	142.2	1.29	0.5
430 - 439	15	432	2.1	1046	107.6	1.29	0.7
440 - 449	10	444	-	1104	99.6	1.26	0.7
450 - 459	19	456	1.3	1192	149.3	1.25	0.7
460 - 469	1	464	-	1244	-	1.24	-
470 - 479	7	470	2.2	1369	70.0	1.31	0.8
480 - 489	4	486	3.4	1432	84.0	1.24	3.0
510 - 519	1	514	-	1698	-	1.25	-
Total	70	-	-	-	-	-	0.7
Mean	-	444	26.1	1122	229.0	1.20	-

Length-Weight Relationship: $\log_{10} W = -5.8065 + 3.3419 (\log_{10} L)$
 $s_b = 0.2087$
95% C.I. of b = 2.9258 - 3.7580

Table 134. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (5½ in) from Thekuithili Lake, 1965.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
450 - 459	1	450	-	1132	-	1.24	-
460 - 469	1	460	-	1362	-	1.39	-
480 - 489	1	480	-	1586	-	1.43	-
490 - 499	2	490	-	1645	241.8	1.39	1.0
520 - 529	3	520	-	2042	227.0	1.45	2.0
530 - 539	1	530	-	2270	-	1.52	-
540 - 549	5	540	-	2108	247.7	1.33	0.3
550 - 559	8	550	-	2296	157.7	1.38	0.6
570 - 579	6	570	-	2571	266.3	1.38	-
580 - 589	5	580	-	2767	296.9	1.41	-
590 - 599	1	590	-	2724	-	1.32	-
600 - 609	2	601	2.1	3458	562.8	1.58	1.0
610 - 619	2	610	-	3290	158.4	1.44	-
620 - 629	1	620	-	3968	-	1.66	-
Total	39	-	-	-	-	-	1.3
Mean	-	551	39.6	2413	612.6	1.40	-

Length-Weight Relationship: $\log_{10} W = -5.6908 + 3.3057 (\log_{10} L)$
 $s_b = 0.2140$
95% C.I. of b = 2.8695 - 3.7419

Table 135. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (4½, 5½ in) from Tibbit Lake, 1967.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
380 - 389	1	387	-	790	-	1.36	-
390 - 399	1	394	-	678	-	1.11	-
400 - 409	1	406	-	678	-	1.01	-
410 - 419	7	416	3.2	906	58.0	1.25	0.8
420 - 429	2	425	-	877	43.8	1.14	-
430 - 439	15	434	3.1	968	77.8	1.18	0.4
440 - 449	12	444	-	1036	83.1	1.18	2.0
450 - 459	5	453	3.3	1132	104.7	1.21	0.7
460 - 469	2	464	-	1132	-	1.13	-
470 - 479	2	470	-	1359	162.6	1.31	-
480 - 489	1	483	-	1474	-	1.31	-
500 - 509	1	502	-	1474	-	1.16	-
Total	50	-	-	-	-	-	0.7
Mean	-	438	20.5	1016	171.6	1.19	-

Length-Weight Relationship: $\log_{10} W = -5.0168 + 3.0354 (\log_{10} L)$
 $s_b = 0.2534$
95% C.I. of b = 2.5266 - 3.5442

Table 136. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (4½, 5, 5½ in) from Tsu Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
350 - 359	1	350	-	566	-	1.32	-
370 - 379	1	375	-	678	-	1.28	-
400 - 409	5	400	-	882	148.8	1.38	0.2
410 - 419	4	411	2.5	964	64.6	1.38	1.0
420 - 429	5	420	-	1042	93.7	1.40	0.7
430 - 439	8	430	-	1104	99.2	1.39	1.7
440 - 449	4	440	-	992	107.2	1.16	-
450 - 459	2	450	-	1191	241.8	1.30	1.0
460 - 469	3	460	-	1472	227.0	1.51	0.5
470 - 479	4	470	-	1502	385.8	1.44	0.5
480 - 489	5	480	-	1474	213.5	1.33	3.0
490 - 499	5	490	-	1676	168.3	1.42	0.7
500 - 509	3	500	-	1888	330.2	1.51	0.2
510 - 519	1	510	-	2040	-	1.53	-
520 - 529	1	520	-	2152	-	1.53	-
Total	52	-	-	-	-	-	0.7
Mean	-	446	37.5	1268	396.7	1.38	-

Length-Weight Relationship: $\log_{10} W = -5.5756 + 3.2697 (\log_{10} L)$
 $s_b = 0.2165$
95% C.I. of b = 2.8367 - 3.7027

Table 137. Mean fork length, mean round weight and age data for lake whitefish in gillnets (1½ to 5½ in) from Vaillant Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
100 - 149	5	40	350 - 399	13	710
150 - 199	186	70	400 - 449	7	1100
200 - 249	27	110	450 - 499	73	1610
250 - 299	12	250	500 - 549	117	1970
300 - 349	31	440	550 - 599	5	2430
			Total	476	950

Age Interval (yr)	No.	Age Interval (yr)	No.	Age Interval (yr)	No.
9	1	15	5	20	30
11	3	16	15	21	17
12	7	17	15	22	26
13	4	18	18	23	9
14	6	19	22	24	5
				25	5
			Total		188
			Mean Age	18.9	

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
1½	216	185	90	4½	36	494	1680
2½	53	360	690	5½	100	513	1910
3½	71	451	1220				
				Total	476	337	950

Table 138. Mean fork length and mean round weight for lake trout in gillnets (1½ to 5½ in) from Vaillant Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)
150 - 199	7	60	600 - 649	3	2490
200 - 249	3	90	650 - 699	3	3430
250 - 299	1	530	700 - 749	5	4850
300 - 349	5	350	750 - 799	3	5430
400 - 449	4	940	800 - 849	1	9810
450 - 499	45	1280	900 - 949	2	-
500 - 549	57	1570	950 - 1000	1	-
550 - 599	17	2070	> 1000	2	-
			Total	160	1680

Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
1½	29	422	1150	4½	52	516	1570
2½	22	531	1750	5½	17	681	3550
3½	40	500	1460				
				Total	160	515	1680

Table 139. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (4½, 5½ in) from Watta Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
360 - 369	1	368	-	650	-	1.30	-
380 - 389	2	384	4.2	734	-	1.29	1.0
400 - 409	4	403	3.4	912	80.3	1.39	0.3
410 - 419	3	415	3.4	1057	154.2	1.47	0.5
420 - 429	1	425	-	964	-	1.25	-
430 - 439	14	432	1.6	1003	94.5	1.24	0.4
440 - 449	4	444	-	1174	66.6	1.34	3.0
450 - 459	16	455	2.4	1195	119.5	1.26	0.3
460 - 469	3	464	-	1434	147.0	1.43	2.0
470 - 479	7	474	2.9	1376	257.6	1.28	1.3
480 - 489	14	483	2.2	1556	121.7	1.37	1.8
490 - 499	3	495	-	1681	119.9	1.38	2.0
520 - 529	1	521	-	1726	-	1.22	-
Total	73	-	-	-	-	-	0.7
Mean	-	452	30.1	1236	284.7	1.31	-

Length-Weight Relationship: $\log_{10} W = -5.1203 + 3.0892 (\log_{10} L)$
 $s_b = 0.1909$
95% C.I. of b = 2.7087 - 3.4697

Table 140. Mean fork length, mean round weight, condition factor and sex ratio by age for lake whitefish in gillnets (4½, 5½ in) from Watta Lake, 1963.

Age (yr)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
10	1	381	-	734	-	1.33	-
11	3	412	44.5	962	279.1	1.34	-
12	4	431	39.5	1069	349.8	1.29	0.3
13	13	433	24.8	1036	201.8	1.26	0.3
14	13	454	24.5	1242	280.1	1.30	1.2
15	7	462	20.5	1318	233.9	1.32	1.3
16	11	471	21.6	1389	193.9	1.32	1.2
17	12	466	21.6	1371	260.3	1.33	1.0
18	7	461	26.4	1287	335.9	1.28	0.4
20	1	419	-	1216	-	1.65	-
22	1	464	-	1558	-	1.56	-
Total	73	-	-	-	-	-	0.7
Mean	15.0 ^a	452	30.1	1236	284.7	1.31	-

^a Mean age.

Table 141. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (4½, 5½ in) from Watta Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
475 - 499	1	483	-	1614	-	1.43	-
500 - 524	2	511	13.4	1418	79.2	1.06	-
525 - 549	6	536	7.8	1918	80.5	1.24	2.0
550 - 574	15	561	5.9	2008	208.7	1.13	0.7
575 - 599	14	587	6.4	2283	233.7	1.12	0.7
600 - 624	1	603	-	2836	-	1.29	-
625 - 649	1	633	-	2920	-	1.15	-
700 - 724	2	721	4.2	3926	741.0	1.05	1.0
725 - 749	2	740	4.2	4055	844.3	1.00	-
775 - 799	1	775	-	4736	-	1.02	-
825 - 849	2	832	8.5	6936	178.2	1.20	-
850 - 874	1	864	-	9080	-	1.40	-
875 - 899	2	886	4.2	6241	400.2	0.89	-
925 - 949	1	927	-	6440	-	0.80	-
950 - 974	2	959	-	10202	2228.8	1.15	-
Total	53	-	-	-	-	-	0.9
Mean	-	631	126.6	3146	2210.3	1.13	-

Length-Weight Relationship: $\log_{10} W = -4.3070 + 2.7700 (\log_{10} L)$
 $s_b = 0.0953$
 95% C.I. of b = 2.5794 - 2.9606

Table 142. Mean fork length, mean dressed weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (5½ in) from Wecho Lake, 1965.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
490 - 499	3	495	-	1623	64.6	1.34	-
500 - 509	11	505	3.0	1637	117.5	1.26	-
510 - 519	3	514	-	1776	68.1	1.31	-
520 - 529	13	522	2.6	1708	127.4	1.19	-
530 - 539	18	533	-	1814	135.1	1.19	-
540 - 549	14	545	2.1	1821	163.5	1.12	-
550 - 559	8	557	3.2	1927	147.9	1.11	-
560 - 569	1	565	-	1928	-	1.07	-
570 - 579	3	572	-	1965	348.0	1.05	-
580 - 589	1	584	-	2040	-	1.02	-
Total	75	-	-	-	-	-	-
Mean	-	532	20.2	1784	171.5	1.18	-

Length-Weight Relationship: $\log_{10} W = -0.7464 + 1.4659 (\log_{10} L)$
 $s_b = 0.2362$
 95% C.I. of b = 0.9952 - 1.9366

Table 143. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (4½, 5½ in) from Wheeler Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
390 - 399	2	394	-	961	241.8	1.57	-
400 - 409	4	404	3.0	877	110.3	1.32	-
410 - 419	1	419	-	790	-	1.07	-
430 - 439	3	432	-	1094	171.1	1.35	2.0
440 - 449	1	444	-	1132	-	1.29	-
450 - 459	4	457	-	1217	142.9	1.27	1.0
460 - 469	2	464	-	1362	-	1.36	-
470 - 479	9	471	2.6	1511	112.0	1.44	0.8
480 - 489	10	484	2.9	1575	155.0	1.38	0.1
490 - 499	16	495	-	1657	185.5	1.36	1.3
500 - 509	21	506	2.6	1764	170.6	1.35	0.9
510 - 519	9	514	-	1839	110.7	1.35	0.8
520 - 529	10	521	1.9	1780	169.6	1.25	1.5
530 - 539	3	533	-	2042	227.0	1.35	2.0
540 - 549	1	546	-	2382	-	1.46	-
550 - 559	2	555	4.9	2155	479.4	1.25	-
560 - 569	1	565	-	2040	-	1.13	-
Total	99	-	-	-	-	-	0.9
Mean	-	491	34.7	1620	336.2	1.35	-

Length-Weight Relationship: $\log_{10} W = -4.4187 + 2.8301 (\log_{10} L)$
 $s_b = 0.1479$
95% C.I. of b = 2.5376 - 3.1226

Table 144. Mean fork length, mean round weight, condition factor and sex ratio by age for lake whitefish in gillnets (4½, 5½ in) from Wheeler Lake, 1963.

Age (yr)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
8	1	406	-	908	-	1.35	-
11	2	441	58.7	1188	562.7	1.32	-
13	2	438	26.8	905	162.6	1.07	-
14	9	469	32.4	1360	265.2	1.31	0.8
15	9	467	48.0	1358	380.8	1.30	2.0
16	22	495	27.8	1653	275.5	1.35	0.7
17	20	506	19.8	1758	240.0	1.35	0.8
18	13	490	35.3	1647	272.2	1.39	2.2
19	10	502	15.5	1757	144.8	1.38	0.2
20	6	501	26.2	1702	277.3	1.34	5.0
21	2	517	21.9	1869	241.8	1.34	1.0
22	2	508	-	1984	237.6	1.51	1.0
25	1	546	-	2382	-	1.46	-
Total	99	-	-	-	-	-	0.9
Mean	16.8 ^a	491	34.7	1620	336.2	1.35	-

^a Mean age.

Table 145. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (4½, 5½ in) from Wheeler Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
450 - 474	1	470	-	1244	-	1.19	-
500 - 524	2	511	4.2	1474	-	1.10	-
525 - 549	5	533	7.7	1654	102.5	1.09	0.7
550 - 574	7	558	3.7	1976	245.3	1.13	0.4
575 - 599	1	597	-	2270	-	1.06	-
650 - 674	2	660	-	3402	483.6	1.18	-
675 - 699	3	688	3.4	3592	459.1	1.10	2.0
725 - 749	1	737	-	4652	-	1.16	-
825 - 849	3	834	6.9	5900	1093.7	1.01	0.5
950 - 974	1	965	-	10872	-	1.21	-
975 - 999	1	991	-	10872	-	1.11	-
1000 - 1024	1	1016	-	14949	-	1.42	-
Total	28	-	-	-	-	-	0.7
Mean	-	652	156.8	3756	3378.2	1.12	-

Length-Weight Relationship: $\log_{10} W = -5.0992 + 3.0527 (\log_{10} L)$
 $s_b = 0.0989$
 95% C.I. of b = 2.8502 - 3.2552

Table 146. Mean fork length, mean round weight and age data for round whitefish in gillnets (1½ to 5½ in) from Whitefish Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)		Age Interval (yr)	
			No.	No.	No.	No.
150 - 199	2	60	4	1	10	13
200 - 249	80	100	5	2	11	8
250 - 299	48	200	6	64	12	15
300 - 349	39	330	7	10	13	3
350 - 399	33	440	8	33	14	2
			9	10		
Total	202	220			Total	161
Mean Length		276			Mean Age	8.0

Table 147. Mean fork length, mean round weight and age data for cisco sp. in gillnets (1½ to 5½ in) from Whitefish Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Age Interval (yr)	No.	Age Interval (yr)	No.
200 - 249	6	150	6	8	10	9
250 - 299	97	230	7	23	11	1
300 - 349	12	290	8	27	12	1
			9	21		
Total	115	230			Total	90
Mean Length		278			Mean Age	8.1

Table 148. Mean fork length and round weight data for lake trout in gillnets (1½ to 5½ in) from Whitefish Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)		
150 - 199	7	70	600 - 649	37	2430		
200 - 249	7	110	650 - 699	15	3280		
250 - 299	6	230	700 - 749	9	4050		
300 - 349	8	340	750 - 799	5	5180		
350 - 399	7	530	800 - 849	3	6150		
400 - 449	18	800	850 - 899	3	7610		
450 - 499	23	1113	950 - 1000	3	9430		
500 - 549	30	1500					
550 - 599	67	1960					
			Total	249	1940		
Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
1½	65	471	1470	4½	39	581	2100
2½	66	552	2120	5½	31	645	2840
3½	48	531	1630				
				Total	249	543	1940

Table 149. Mean fork length and mean round weight for lake whitefish in gillnets (1½ to 5½ in) from Wholdaia Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)		
150 - 199	6	60	400 - 449	107	1080		
200 - 249	1	90	450 - 499	135	1440		
250 - 299	3	210	500 - 549	46	1780		
300 - 349	9	430	550 - 599	1	2330		
350 - 399	45	700					
			Total	353	1220		
Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
1½	14	304	600	4½	125	460	1340
2½	49	415	1040	5½	54	483	1540
3½	111	428	1090				
				Total	353	441	1220

Table 150. Mean fork length and mean round weight for lake trout in gillnets (1½ to 5½ in) from Wholdaia Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)		
350 - 399	1	600	700 - 749	9	4240		
450 - 499	17	1230	750 - 799	2	5030		
500 - 549	95	1680	800 - 849	1	5700		
550 - 599	123	2100	850 - 899	1	7940		
600 - 649	63	2500					
650 - 699	12	3240	Total	325	2150		
Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)
1½	17	571	2050	4½	118	586	2270
2½	61	566	2050	5½	24	624	2740
3½	105	558	1960	Total	325	575	2150

Table 151. Mean fork length, mean round weight and age data for northern pike in gillnets (1½ to 5½ in) from Wholdaia Lake, 1959.

Length Interval (mm)	No.	Mean Weight (g)	Length Interval (mm)	No.	Mean Weight (g)	
350 - 399	1	450	750 - 799	15	3260	
400 - 449	2	580	800 - 849	11	4030	
450 - 499	1	800	850 - 899	9	4880	
500 - 549	21	1120	900 - 949	6	5530	
550 - 599	41	1410	950 - 1000	4	5980	
600 - 649	18	1730	> 1000	2	7490	
650 - 699	18	2180	Total	174	2450	
700 - 749	25	2490				
Age Interval (yr)	No.	Age Interval (yr)	No.	Age Interval (yr)	No.	
5	3	10	7	15	10	
6	23	11	10	16	3	
7	28	12	14	17	4	
8	26	13	11	18	3	
9	8	14	10	19	1	
			Total		161	
Mesh Size (in)	No.	Mean Length (mm)	Mean Weight (g)	Length Interval (mm)	No.	Mean Age (yr)
1½	10	626	1760	500 - 599	55	6.9
2½	34	632	2160	600 - 699	36	8.4
3½	76	616	1750	700 - 799	38	11.5
4½	38	768	3370	800 - 899	20	14.2
5½	16	862	4620	900 - 1000	10	16.2
Total	174	676	2450	> 1000	2	17.5
				Total	161	9.9

Table 152. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (4½, 5½ in) from Wrigley Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
400 - 424	6	415	8.3	926	45.7	1.29	-
425 - 449	16	435	5.1	985	67.4	1.19	-
450 - 474	13	458	9.0	1114	110.5	1.15	0.1
475 - 499	1	490	-	1474	-	1.25	-
550 - 574	2	550	-	1642	79.2	0.98	-
600 - 624	1	600	-	2382	-	1.10	-
625 - 649	2	640	-	2665	400.2	1.01	-
650 - 674	2	655	7.1	2892	237.5	1.03	1.0
675 - 699	1	690	-	3402	-	1.03	-
750 - 774	2	765	7.1	4708	79.2	1.05	1.0
775 - 799	2	785	7.1	5159	83.4	1.06	1.0
800 - 824	2	810	14.1	6070	1046.5	1.14	1.0
825 - 849	1	840	-	6810	-	1.15	-
850 - 874	1	870	-	8172	-	1.24	-
Total	52	-	-	-	-	-	0.2
Mean	-	525	139.1	2006	1821.6	1.16	-

Length-Weight Relationship: $\log_{10} W = -4.4332 + 2.8135 (\log_{10} L)$
 $s_b = 0.0512$
95% C.I. of b = 2.7111 - 2.9159

Table 153. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (5½ in) from Yathkyed Lake, 1963.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
300 - 324	1	320	-	400	-	1.22	-
325 - 349	2	335	7.1	450	70.7	1.19	1.0
350 - 374	3	363	11.5	566	57.7	1.18	0.5
375 - 399	1	390	-	800	-	1.35	-
400 - 424	3	413	5.7	933	57.7	1.32	2.0
450 - 474	6	466	5.1	1233	242.2	1.21	0.2
475 - 499	7	482	4.9	1428	149.6	1.27	0.4
500 - 524	29	514	7.3	1651	161.7	1.21	0.4
525 - 549	47	536	4.9	1889	191.3	1.22	0.7
550 - 574	101	563	7.7	2118	281.6	1.18	0.8
575 - 599	61	584	5.0	2242	207.7	1.12	0.9
600 - 624	80	608	8.4	2531	244.7	1.12	0.8
625 - 649	36	635	5.0	2697	313.9	1.05	1.5
650 - 674	33	659	8.4	3063	265.5	1.07	1.7
675 - 699	22	685	5.1	3377	509.8	1.05	1.2
700 - 724	44	707	7.9	3588	506.3	1.01	0.9
725 - 749	17	734	5.1	3994	402.3	1.01	0.7
750 - 774	28	761	8.3	4664	621.9	1.05	0.5
775 - 799	15	784	5.0	4966	802.3	1.03	1.5
800 - 824	26	806	8.8	5700	715.5	1.08	1.0
825 - 849	8	832	4.6	5862	563.0	1.01	1.7
850 - 874	11	855	8.2	6272	1110.0	1.00	1.7
875 - 899	3	880	-	7733	513.1	1.13	-
900 - 924	5	902	4.5	7700	1208.3	1.04	0.7
1000 - 1024	1	1000	-	9000	-	0.90	-
1050 - 1074	1	1070	-	12200	-	0.99	-
1075 - 1099	1	1080	-	11100	-	0.88	-
Total	592	-	-	-	-	-	0.9
Mean	-	633	105.7	2999	1505.7	1.12	-

Length-Weight Relationship: $\log_{10} W = -3.9690 + 2.6471 (\log_{10} L)$
 $s_b = 0.0302$
95% C.I. of b = 2.5879 - 2.7063

Table 154. Mean fork length, mean round weight, condition factor and sex ratio by length interval, and age data for lake whitefish in gillnets (5½ in) from Yathkyed Lake, 1968.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
410 - 419	1	410	-	1100	-	1.59	-
460 - 469	2	460	-	1300	-	1.33	-
470 - 479	1	470	-	1500	-	1.44	-
480 - 489	3	480	-	1666	230.9	1.50	2.0
500 - 509	2	500	-	1750	70.7	1.40	-
510 - 519	2	510	-	2150	70.7	1.62	1.0
520 - 529	10	520	-	2030	105.9	1.44	1.5
530 - 539	7	530	-	2142	181.2	1.44	1.3
540 - 549	21	540	-	2357	213.4	1.49	2.5
550 - 559	20	550	-	2545	237.2	1.53	2.3
560 - 569	13	560	-	2646	166.4	1.50	0.9
570 - 579	11	570	-	2690	192.1	1.45	1.2
580 - 589	20	580	-	2935	466.0	1.50	0.7
590 - 599	15	590	-	3020	254.1	1.47	0.9
600 - 609	22	600	-	3236	309.4	1.49	0.7
610 - 619	32	610	-	3500	292.9	1.54	0.7
620 - 629	29	620	-	3510	360.9	1.47	0.9
630 - 639	32	630	-	3734	320.9	1.49	2.5
640 - 649	26	640	-	3926	517.3	1.49	4.2
650 - 659	22	650	-	4054	324.7	1.47	2.6
660 - 669	11	660	-	4263	374.9	1.48	10.0
670 - 679	6	670	-	4783	725.0	1.59	-
680 - 689	2	680	-	4500	141.4	1.43	-
690 - 699	1	690	-	5300	-	1.61	-
700 - 709	1	700	-	4600	-	1.34	-
Total	312	-	-	-	-	-	1.5
Mean	-	597	46.5	3243	793.0	1.49	-
<u>Length-Weight Relationship:</u>		$\log_{10} W = -4.9168 + 3.0322 (\log_{10} L)$					
		$s_b = 0.0695$					
		95% C.I. of b = 2.8960 - 3.1684					
Age Interval (yr)	No.	Age Interval (yr)	No.				
7	1	11	26				
8	6	12	17				
9	20	13	6				
10	18	14	6				
		Total	100				
		Mean Age	10.7				

Table 155. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake whitefish in gillnets (5½ in) from Yatsore Lake, 1965.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
440 - 449	1	440	-	1132	-	1.33	-
470 - 479	3	470	-	1362	-	1.31	0.5
480 - 489	2	480	-	1586	-	1.43	-
490 - 499	4	490	-	1642	64.6	1.39	3.0
500 - 509	2	500	-	1701	162.6	1.36	-
510 - 519	2	510	-	1586	-	1.19	1.0
520 - 529	3	520	-	1739	132.8	1.23	0.5
530 - 539	8	530	-	2026	153.2	1.36	7.0
540 - 549	4	540	-	2068	56.0	1.31	0.3
550 - 559	1	550	-	1816	-	1.09	-
560 - 569	2	560	-	2382	158.4	1.35	-
570 - 579	1	570	-	2152	-	1.16	-
580 - 589	1	580	-	2270	-	1.16	-
Total	34	-	-	-	-	-	0.9
Mean	-	516	32.0	1830	316.1	1.31	-
<u>Length-Weight Relationship:</u>		$\log_{10} W = -3.7556 + 2.5849 (\log_{10} L)$					
		$s_b = 0.2119$					
		95% C.I. of b = 2.1548 - 3.0150					

Table 156. Mean fork length, mean round weight, condition factor and sex ratio by length interval for lake trout in gillnets (5½ in) from Yatsore Lake, 1965.

Length Interval (mm)	No.	Fork Length (mm)		Weight (g)		Condition Factor	F/M Ratio
		Mean	SD	Mean	SD		
500 - 524	2	520	-	1474	158.4	1.05	-
525 - 549	4	535	5.7	1929	227.0	1.25	0.3
550 - 574	7	560	8.1	1815	226.0	1.03	0.4
515 - 599	5	586	5.4	2199	337.4	1.09	0.7
600 - 624	5	616	8.9	2314	249.4	0.98	4.0
625 - 649	3	633	5.7	2344	730.3	0.91	-
650 - 674	1	650	-	2270	-	0.82	-
675 - 699	1	690	-	3402	-	1.03	-
700 - 724	1	710	-	4086	-	1.14	-
725 - 749	2	730	-	4540	642.0	1.16	-
Total	31	-	-	-	-	-	0.6
Mean	-	597	58.8	2316	831.0	1.06	-
<u>Length-Weight Relationship:</u>		$\log_{10} W = -4.1918 + 2.7160 (\log_{10} L)$					
		$s_b = 0.3142$					
		95% C.I. of b = 2.0783 - 3.3537					

