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Review of the Meziadin River Fishway and Upper Nass Biological Programs, 1990

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Department of Fisheries and Oceans
Prince Rupert, British Columbia
V8J 1G8

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Table of Contents

Abstract.....	iii
Introduction.....	1
Methods.....	1
Upper Nass Survey.....	2
Results.....	2
Acknowledgements.....	73
References.....	74

Southgate D.R. 1991. Review of the Meziadin and Upper Nass Biological Program, 1990. Can. Rep. Fish. Aquat. Sci. 823: iii + 74 p.

ABSTRACT

This data report contains all the daily and cumulative counts for all salmon species and steelhead trout passing through the Meziadin River fishway. Age, sex and length information for sockeye sampled at the Meziadin Fishway, Bonnie Creek, Bowser and Damdochax Lakes is also presented.

In 1990, 120,954 large sockeye and 3,004 jack sockeye were enumerated at the Meziadin Fishway. In addition, 759 large chinook, 250 jack chinook, 2,029 coho, 18 pink and 81 steelhead were also counted.

Estimates for the sockeye escapement for the Upper Nass systems are also presented.

RESUME

Le présent rapport porte sur les dénombrements quotidiens et cumulatifs de toutes les espèces de saumon et de truite arc-en-ciel anadrome qui empruntent la passe migratoire de la rivière Meziadin. Il contient également des données sur l'âge, le sexe et la longueur des saumons rouges échantillonnés à la passe migratoire de Meziadin, à Bonnie Creek, et aux lacs Bowser et Damdochax.

En 1990, on a dénombré, dans la passe migratoire de Meziadin, 120 954 gros saumons rouges et 3 004 jeunes saumons rouges, de même que 759 gros quinnats, 250 jeunes quinnats, 2 029 cohos, 18 saumons roses et 81 truites arc-en-ciel anadromes.

On présente aussi des estimations de l'échappée de saumon rouge dans le réseau supérieur de la Nass.

Introduction

The Meziadin River flows into the Nass River approximately 180 km from where the Nass River flows into Portland Inlet in Statistical Area 3 (see Figure 1). The fishway is situated 1 km from the confluence of the Meziadin and Nass Rivers. The fishway was constructed to bypass a series of falls (Victoria Falls) and allow returning adult salmon better access to spawning grounds on Meziadin Lake and tributaries. It is estimated that the Meziadin system produces 70 to 80% of the total Nass sockeye stock. In 1990 there were 120,954 sockeye enumerated at the fishway which represents 77% of the estimated escapement of 155,442.

Methods

The Meziadin Fishway was designed to operate either unmanned or accommodate enumeration facilities and personnel. The trap was installed on July 5 and the first sockeye was counted on July 6. Daily enumeration of all species and biological sampling (sockeye) was carried on throughout the program using standard methods as described by Southgate et al. (1988). The program continued until September 13, 1990.

Prior to the start of the 1990 program, maintenance on the fishway was completed. This included removing a build-up of gravel from the top end of the fishway where the counting trap is installed. A tracked excavator was used to remove the gravel. The panels that make-up the trap were then positioned in place before another gravel build-up could occur. Stop logs, 10 feet upstream from the trap, have also been installed, hopefully to prevent any further build-up of gravel in and around the trap.

The handrail along the fishway was extended and now encloses the counting trap, providing safety protection for both DFO personnel and tourists.

Upper Nass Survey

The annual survey of upper Nass River sockeye systems was conducted between September 11 and September 13, 1990. These sockeye systems include Fred-Wright (Bonnie Creek and Upper Kwinagese), Bowser and Damdochax Lakes. Access to these areas is via float plane. Methods used in surveying have been previously described by Todd and Dickson (1970).

Bowser Lake

Bowser Lake, the second largest Nass sockeye producer was sampled on September 12 when 218 sockeye were gillnetted for sampling. The population estimate is calculated through an analysis of scale characteristics described by Todd and Dickson (1970). Of the 218 fish sampled, scale information from 208 was obtained; the remainder of the information being lost due to scale deterioration. The population estimate for Bowser Lake in 1990 is 15,688.

Fred-Wright Lake

Fred-Wright Lake has two major spawning areas, Bonnie Creek and the upper Kwinagese River. Population estimates are derived from visual counts from aircraft and by walking the creeks. Biological samples were also taken at Bonnie Creek. Sampling and stream enumeration were conducted on September 11. The population estimate for the Fred-Wright system in 1990 is 14,000 sockeye.

Damdochax Lake

Damdochax Lake is the smallest producer of sockeye in the Nass System. Population estimates are conducted by visual counts via float plane. The 1990 survey was conducted September 13. The escapement estimate was 4,000 and 100 sockeye were sampled for biological information.

Results

Water level measurements taken at the fishway during 1990 are recorded in Figure 2. The total large sockeye count for 1990 was 120,954 and 3,004 jack sockeye. The chinook count for 1990 was 759 large and 250 jack chinook. There were also 2,029 coho, 81 steehead and 18 pinks counted through the fishway. The daily and accumulative counts for all species are presented in Tables I to III. The Figures III to VIII give the daily counts in graphed form. In 1990, 1,400 sockeye were sample for biological information: sex, length, fin-clip and scales. This information is presented in Table IV. The biological information from Bowser, Damdochax, and Fred-Wright Lakes is shown in Tables V, VI, and VII. The age composition and length information for the Meziadin fishway is presented in Tables VIII and IX. The age composition and length information for the upper Nass Systems is found in Tables X and XI.

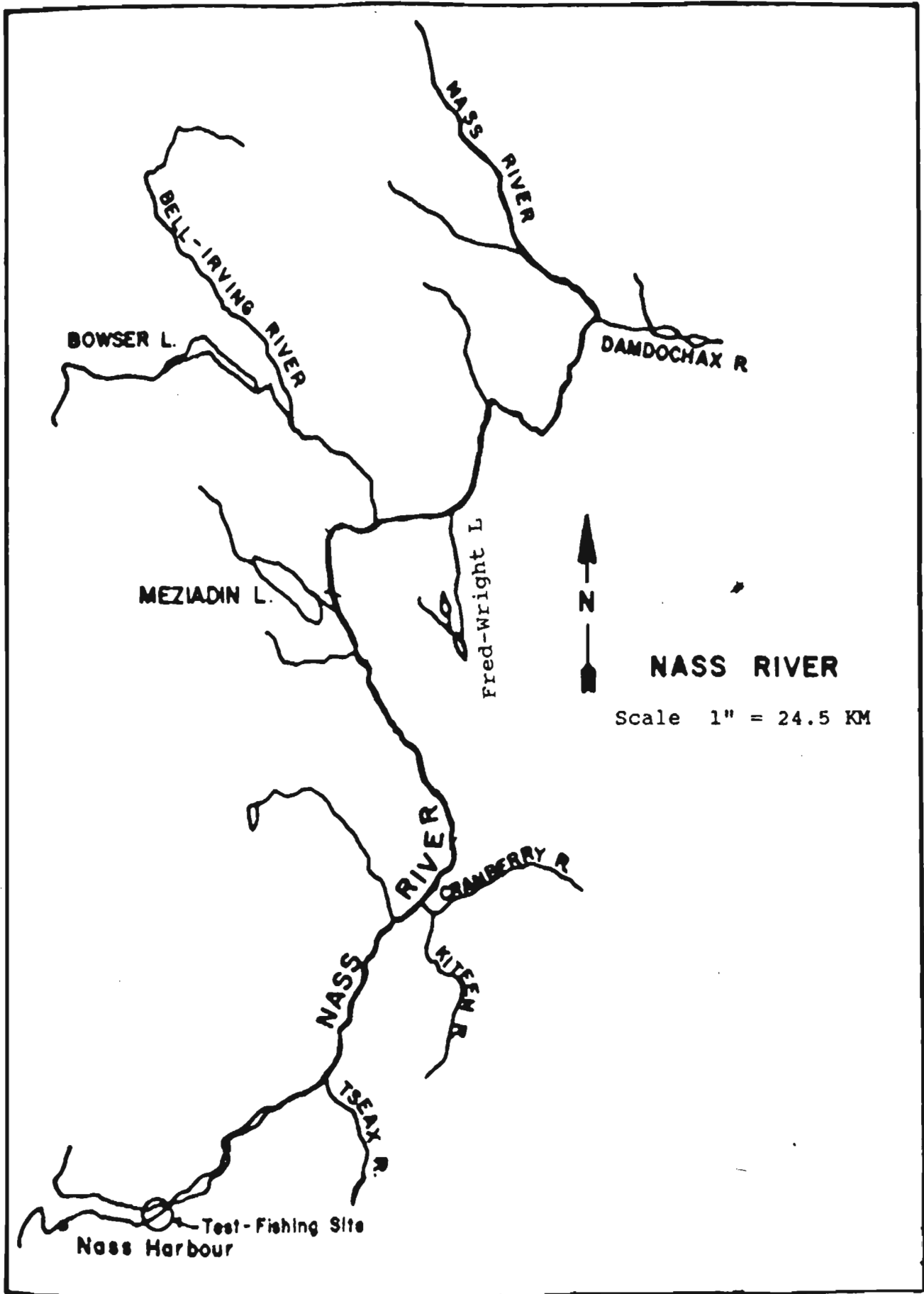


Figure 1. Location of Meziadin, Bowser, Damdochax and Fred-Wright lake's in the Nass River drainage.

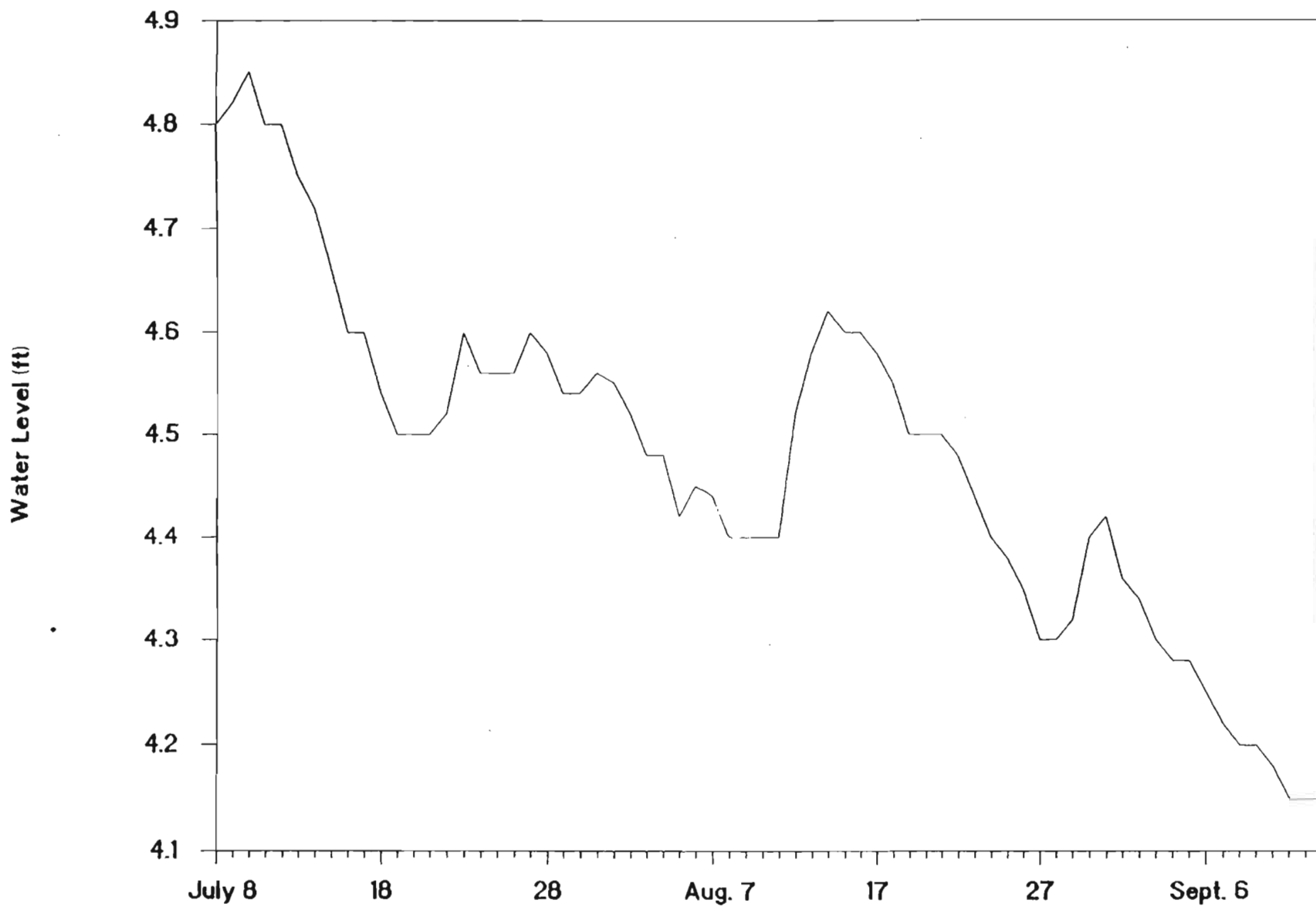


Figure 2. Meziadin River Water Levels, 1990.

Table I
Daily and cumulative counts of large and jack sockeye, 1990.

Date	JK. Sockeye		LG. Sockeye	
	Daily	Accum.	Daily	Accum.
July	8	0	0	6
	9	0	0	36
	10	0	0	60
	11	0	0	109
	12	0	0	199
	13	0	0	272
	14	1	1	346
	15	1	2	663
	16	0	2	1059
	17	0	2	4310
	18	4	6	13672
	19	8	14	30896
	20	12	26	41059
	21	32	58	47410
	22	32	90	52316
	23	35	125	55197
	24	31	156	58415
	25	22	178	60939
	26	16	194	62896
	27	13	207	64330
	28	24	231	66049
	29	33	264	68154
	30	31	295	69813
	31	35	330	71377
Aug .	1	29	359	72259
	2	26	385	73031
	3	24	409	73971
	4	22	431	75029
	5	25	456	76204
	6	23	479	77807
	7	49	528	79323
	8	27	555	80371
	9	31	586	82256
	10	57	643	83799
	11	52	695	85567
	12	26	721	86028
	13	29	750	86589
	14	6	756	86742
	15	0	756	86772
	16	2	758	86813
	17	3	761	86985
	18	21	782	87532
	19	35	817	88587
	20	47	864	89792

Table I
Daily and cumulative counts of large and jack sockeye, 1990.
(continued)

Date	JK. Sockeye		LG. Sockeye		
	Daily	Accum.	Daily	Accum.	
Aug.	21	24	888	1004	90796
	22	57	945	1414	92210
	23	41	986	1538	93748
	24	78	1064	2943	96691
	25	105	1169	1803	98494
	26	91	1260	2636	101130
	27	110	1370	2334	103464
	28	69	1439	2075	105539
	29	155	1594	2836	108375
	30	79	1673	747	109122
	31	83	1756	839	109961
Sept.	1	40	1796	247	110208
	2	114	1910	1060	111268
	3	102	2012	1565	112833
	4	196	2208	2195	115028
	5	30	2238	735	115763
	6	269	2507	1534	117297
	7	114	2621	988	118285
	8	101	2722	718	119003
	9	132	2854	598	119601
	10	53	2907	428	120029
	11	29	2936	361	120390
	12	42	2978	315	120705
	13	26	3004	249	120954

Table II
Daily and cumulative counts of large and jack chinook, 1990.

Date	JK. Chinook		LG. Chinook	
	Daily	Accum.	Daily	Accum.
July	11	0	0	2
	12	0	0	2
	13	0	0	2
	14	0	0	2
	15	0	0	3
	16	0	0	8
	17	0	0	8
	18	11	11	20
	19	14	25	81
	20	4	29	28
	21	4	33	33
	22	9	42	22
	23	11	53	12
	24	20	73	37
	25	5	78	19
	26	11	89	20
	27	9	98	12
	28	10	108	10
	29	10	118	21
	30	12	130	15
	31	17	147	18
Aug.	1	6	153	14
	2	4	157	7
	3	7	164	28
	4	7	171	19
	5	4	175	22
	6	2	177	35
	7	5	182	31
	8	2	184	9
	9	3	187	15
	10	5	192	22
	11	2	194	15
	12	1	195	9
	13	1	196	12
	14	0	196	3
	15	1	197	1
	16	0	197	0
	17	2	199	2
	18	2	201	0
	19	6	207	7

Table II
Daily and cumulative counts of large and jack chinook, 1990.
(continued)

Date	JK. Chinook		LG. Chinook		
	Daily	Accum.	Daily	Accum.	
Aug.	20	1	208	7	627
	21	2	210	11	638
	22	3	213	7	645
	23	3	216	6	651
	24	0	216	5	656
	25	3	219	4	660
	26	11	230	4	664
	27	7	237	5	669
	28	2	239	3	672
	29	4	243	7	679
	30	0	243	0	679
Sept.	31	0	243	6	685
	1	0	243	2	687
	2	1	244	6	693
	3	0	244	3	696
	4	0	244	6	702
	5	0	244	5	707
	6	1	245	3	710
	7	1	246	7	717
	8	0	246	7	724
	9	2	248	12	736
	10	1	249	8	744
	11	1	250	4	748
	12	0	250	6	754
13	0	250	5	759	

Table III
Daily and cumulative pink, coho, and steelhead counts, 1990.

Date	Coho		Pink		Steelhead	
	Daily	Acumm	Daily	Accum.	Daily	Accum.
Aug. 8	1	1	0	0		
9	3	4	0	0		
10	5	9	1	1		
11	5	14	1	2		
12	1	15	0	2		
13	2	17	0	2		
14	0	17	0	2		
15	0	17	0	2		
16	0	17	0	2		
17	1	18	0	2		
18	2	20	0	2		
19	6	26	0	2		
20	1	27	0	2		
21	2	29	0	2		
22	3	32	0	2		
23	5	37	1	3		
24	6	43	0	3		
25	21	64	1	4		
26	55	119	0	4	1	1
27	52	171	0	4	0	1
28	61	232	0	4	0	1
29	142	374	1	5	0	1
30	49	423	0	5	1	2
31	42	465	0	5	2	4
Sept. 1	22	487	0	5	1	5
2	106	593	1	6	7	12
3	87	680	1	7	11	23
4	188	868	1	8	17	40
5	53	921	1	9	1	41
6	143	1064	1	10	7	48
7	131	1195	1	11	4	52
8	153	1348	1	12	6	58
9	163	1511	2	14	8	66
10	127	1638	2	16	4	70
11	124	1762	1	17	3	73
12	163	1925	1	18	3	76
13	104	2029	0	18	5	81

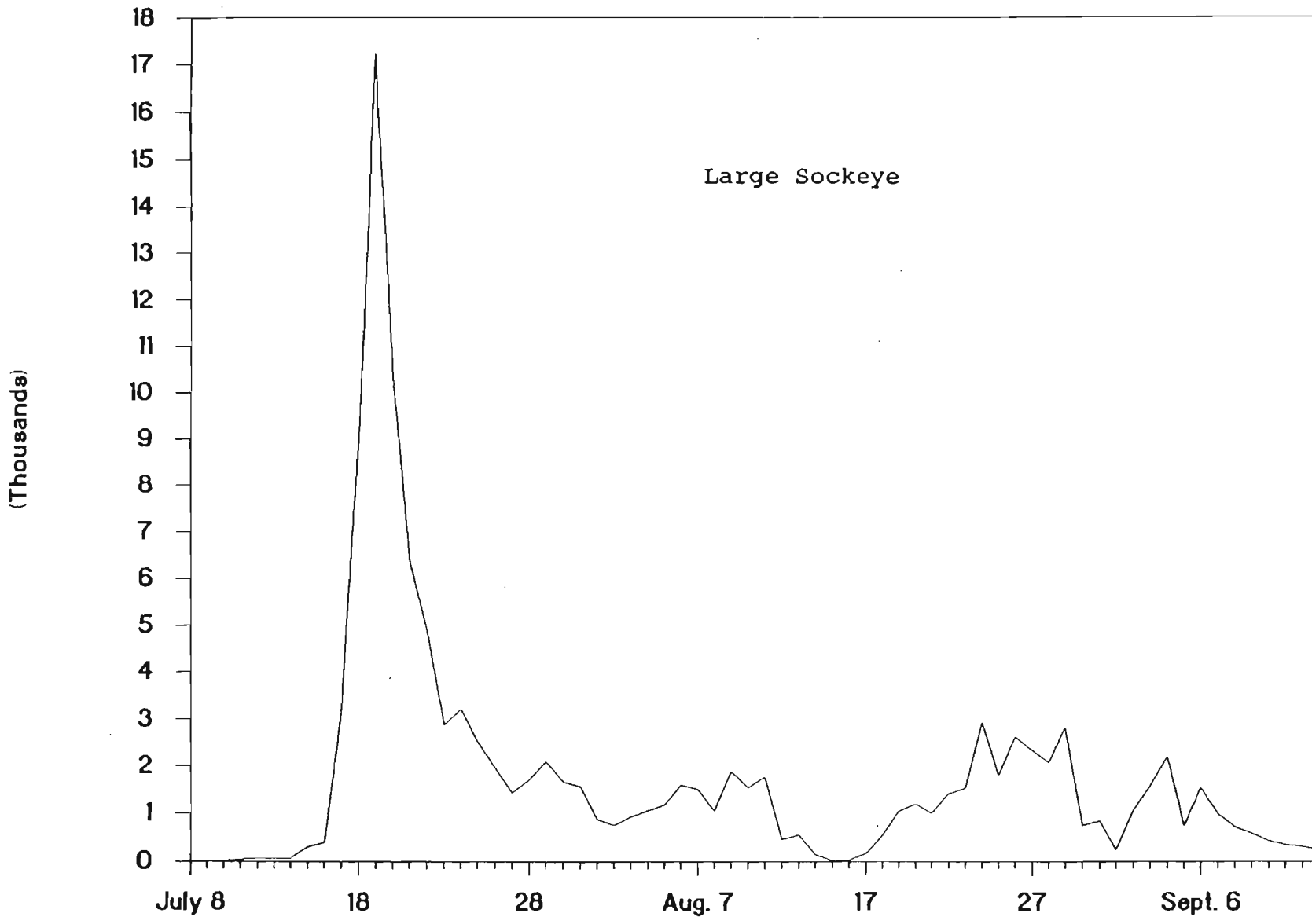


Figure 3. Daily Meziadin Fishway counts of large Sockeye, 1990.

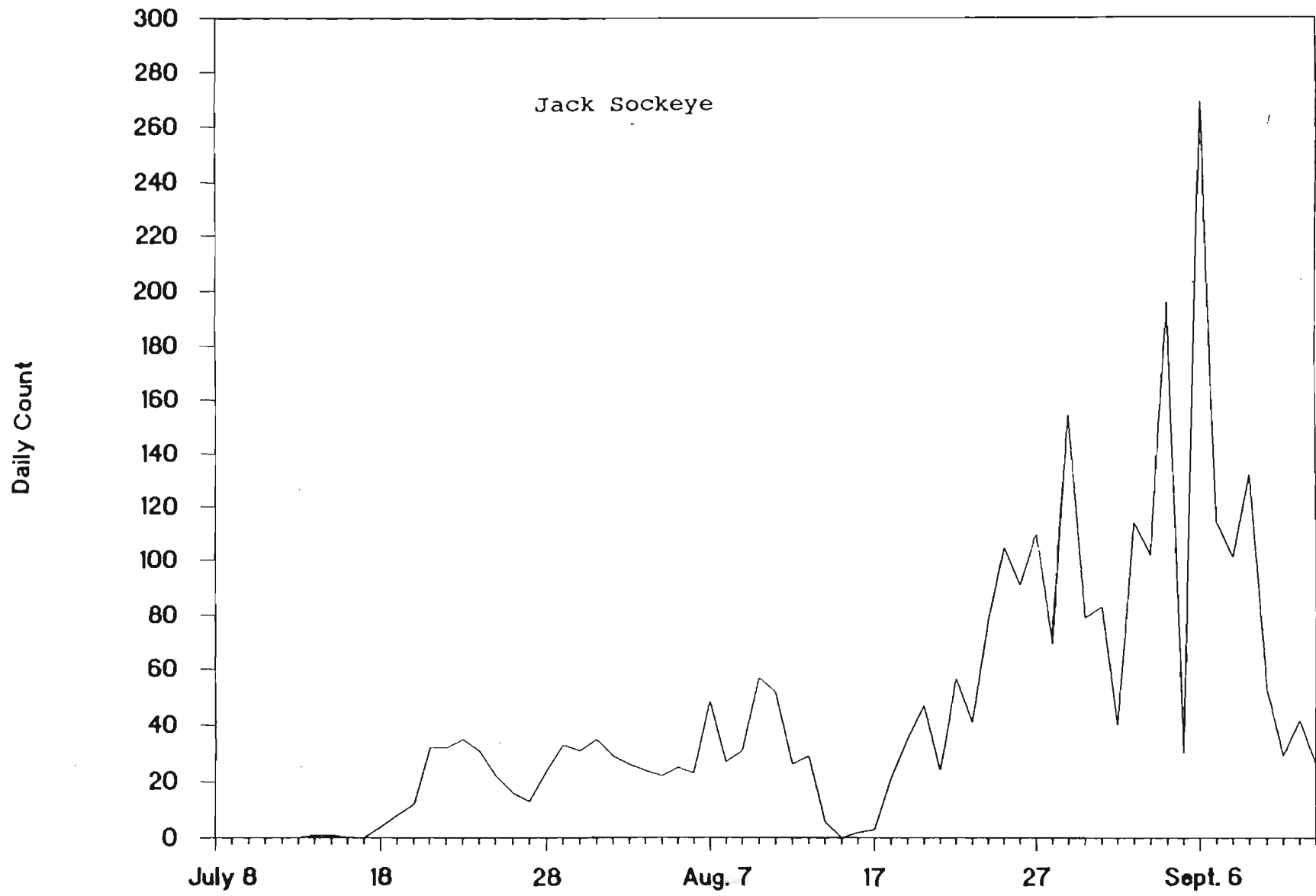


Figure 4. Daily Meziadin Fishway counts of Jack Sockeye, 1990.

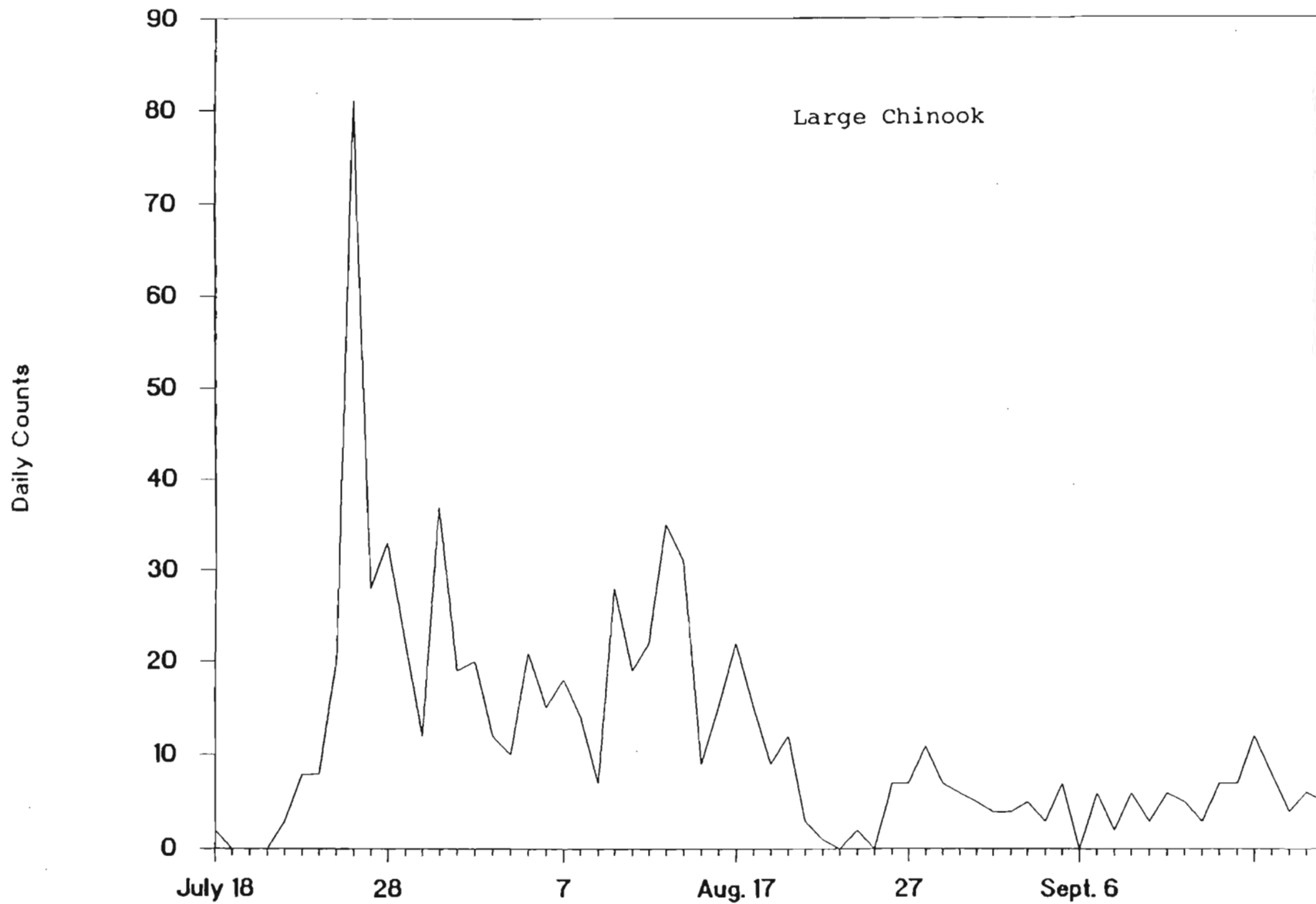


Figure 5. Daily Meziadin Fishway counts of large Chinook, 1990.

Daily Counts

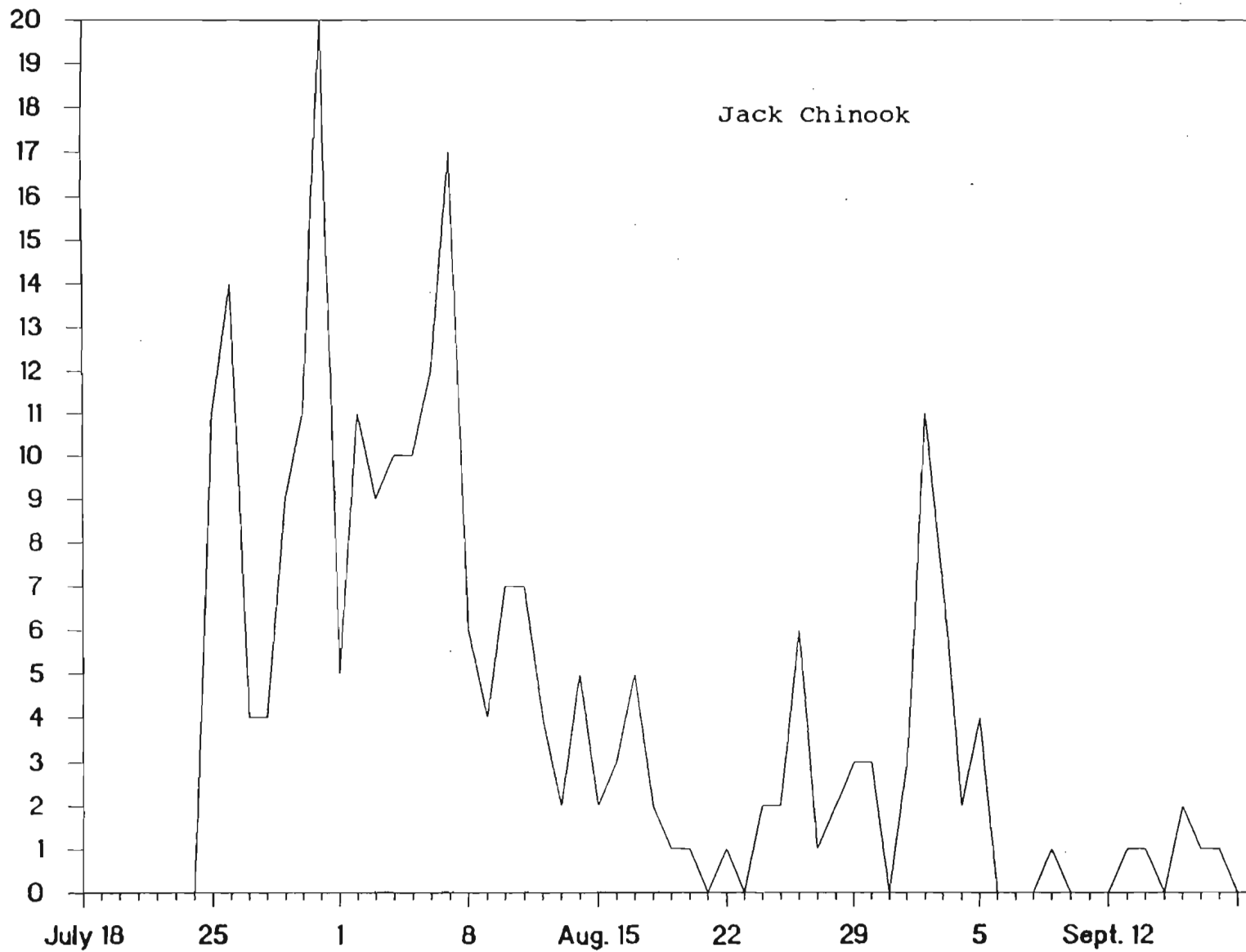


Figure 6. Daily Meziadin Fishway counts of Jack Chinook, 1990.

Daily Counts

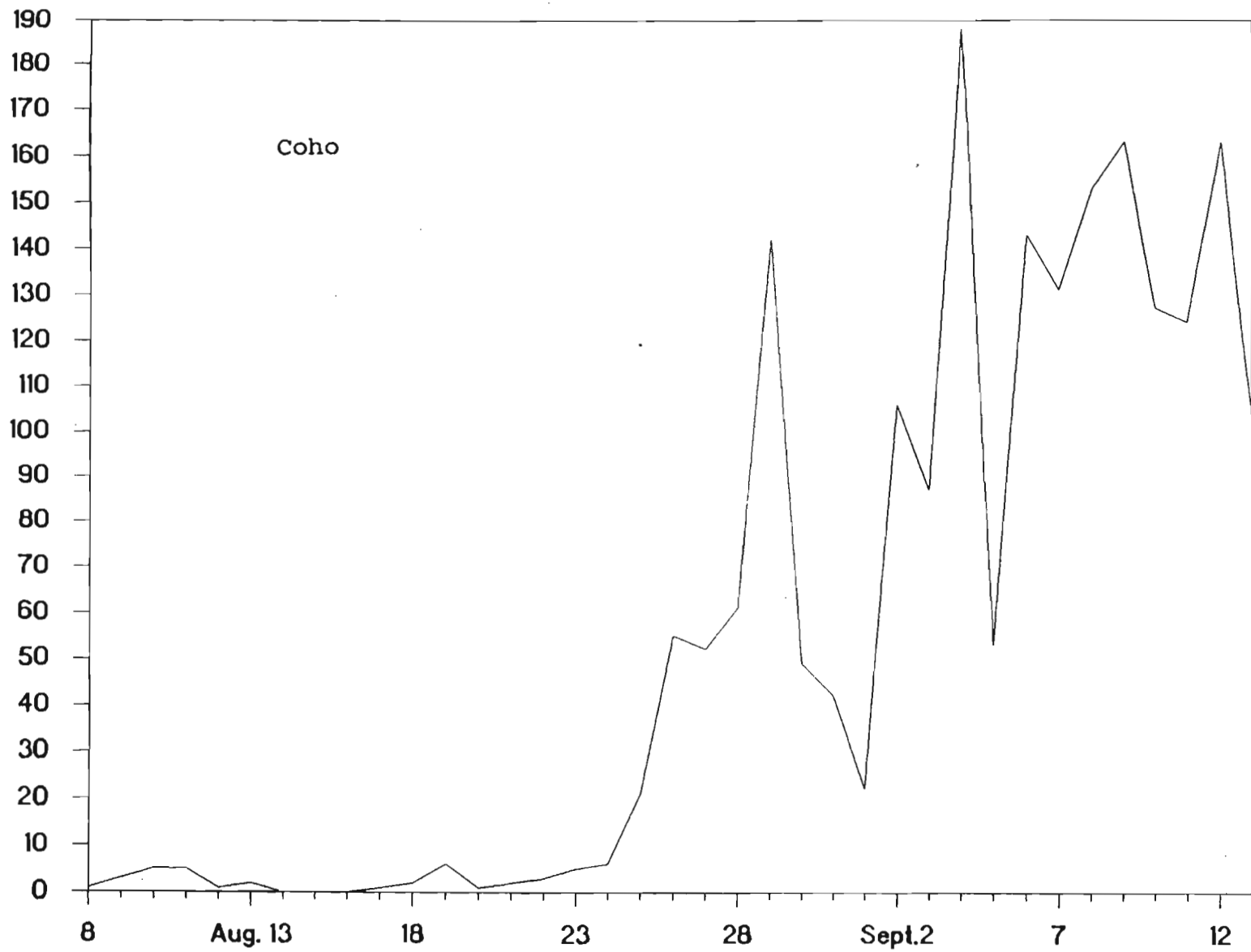


Figure 7. Daily Meziadin Fishway counts of Coho, 1990.

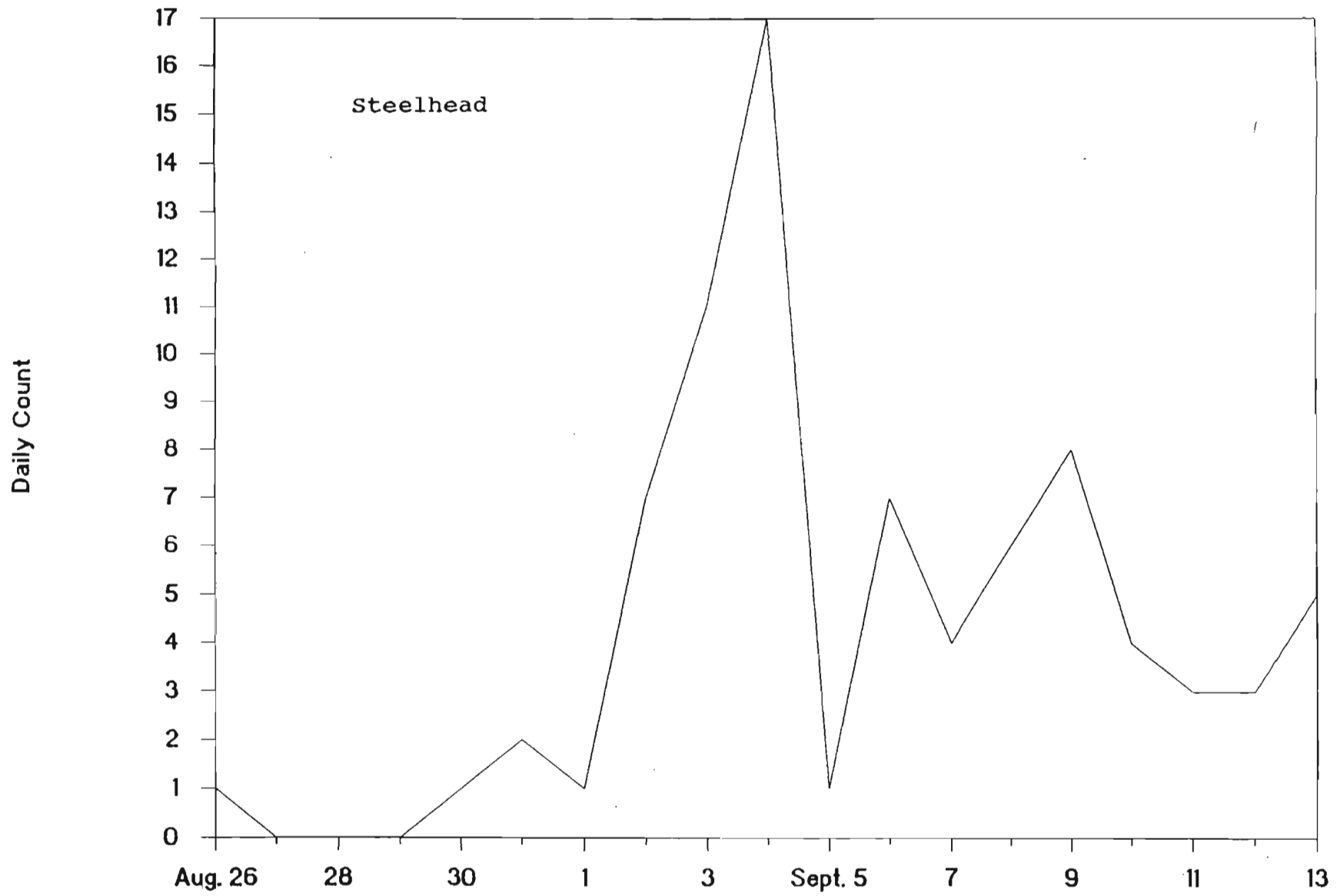


Figure 8. Daily Meziadin Fishway counts of Steelhead, 1990.

Table IV

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
JULY 17	1	M	460	590	5 ₃	(8+11)
	2	F	495	600	5 ₃	(7+11)
	3	M	515	630	6 ₃	
	4	F	530	660	5 ₂	
	5	M	540	680	6 ₃	
	6	F	485	605	3 _m	
	7	M	505	620	5 ₃	(7+12)
	8	M	470	575	4 ₂	
	9	M	455	560	5 ₃	(7+11)
	10	F	500	610	5 ₂	
	11	F	500	610	3 _m	
	12	M	470	590	2 _m	
	13	F	480	590	5 ₃	(8+11)
	14	M	490	600	5 ₃	(7+12)
	15	F	525	630	5 ₃	
	16	M	500	630	5 ₂	
	17	M	490	580	5 ₃	(6+11)
	18	M	500	610	2 _m	
	19	F	450	540	2 _m	
	20	F	510	620	6 ₃	
	21	M	520	645	4 ₂	
	22	F	500	605	5 ₃	(7+11)
	23	M	540	650	5 ₂	
	24	F	575	690	3 _m	
JULY 18	25	M	465	580	2 _m	
	26	F	465	560	5 ₂	
	27	M	530	645	5 ₂	
	28	F	470	550	5 ₃	(6+11)
	29	F	450	540	4 ₂	
	30	M	520	635	5 ₃	(6+11)
	31	F	430	520	4 ₂	
	32	M	520	650	6 ₃	
	33	M	550	680	3 _m	
	34	F	455	550	5 ₃	(6+11)
	35	F	460	550	5 ₃	(7+12)
	36	F	520	630	6 ₃	
	37	M	535	660	3 _m	
	38	F	490	560	4 ₂	
	39	F	480	580	5 ₃	(8+11)
	40	M	490	595	5 ₃	(7+11)
	41	M	470	570	4 ₂	
	42	M	460	575	4 ₂	
	43	F	485	590	5 ₃	(6+11)
	44	F	495	595	4 ₂	

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count	
July 18	45	M	525	660	5 ₂		
	46	M	485	590	5 ₃	(6+11)	
	47	M	565	700	5 ₂		
	48	F	545	670	5 ₂		
	49	M	500	605	5 ₃	(7+10)	
	50	F	480	580	5 ₃	(6+11)	
	51	M	555	675	5 ₂		
	52	F	510	610	5 ₃	(6+12)	
	53	M	535	650	5 ₂		
	54	F	565	690	6 ₃		
	55	M	490	600	5 ₃	(6+11)	
	56	F	480	590	5 ₃	(7+12)	
	57	F	510	610	5 ₃		
	JULY 19	58	F	540	660	5 ₂	(8+9)
		59	M	440	545	5 ₃	(7+10)
		60	F	540	640	5 ₃	
		61	F	510	600	4 ₂	
62		F	450	550	5 ₃		
63		M	540	665	5 ₃	(7+11)	
64		M	480	595	5 ₃	(6+11)	
65		M	545	675	6 ₃		
66		M	495	610	5 ₃	(6+10)	
67		M	475	575	5 ₃	(6+9)	
68		F	515	620	5 ₃	(6+10)	
69		M	480	605	5 ₃	(6+11)	
70		M	560	685	6 ₃		
71		F	430	520	5 ₃	(6+11)	
72		F	435	525	4 ₂		
73		M	465	570	5 ₃	(6+12)	
74		F	490	580	5 ₃	(8+11)	
JULY 19	75	F	530	630	3 _m		
	76	F	460	545	5 ₃	(7+10)	
	77	F	550	660	5 ₂		
	78	M	570	710	5 ₂		
	79	F	465	560	4 ₂		
	80	F	480	565	5 ₂	(7+9)	
	81	F	465	565	5 ₃	(7+10)	
	82	F	455	560	5 ₃	(7+11)	
	83	F	490	600	5 ₂		
	84	F	510	620	6 ₃		
	85	F	450	545	4 ₂		
	86	F	515	620	6 ₃		
	87	M	510	630	4 ₂		
	88	F	490	585	6 ₃		

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
July 19	89	M	490	610	5 ₃	(8+12)
	90	F	450	570	5 ₃	(6+9)
	91	F	540	640	5 ₃	
	92	F	455	550	4 ₂	
	93	F	445	530	5 ₂	(7+10)
	94	M	520	625	5 ₃	(6+9)
	95	M	500	590	3 _m	
	96	M	570	685	6 ₃	
	97	F	490	605	4 ₂	
	98	F	455	565	5 ₂	(6+12)
	99	M	585	730	5 ₃	
	100	M	480	590	4 ₂	
	101	M	500	600	5 ₂	(5+11)
	102	M	460	580	5 ₃	(6+11)
	103	F	460	550	4 ₂	
	104	F	515	620	6 ₂	
	105	M	565	690	5 ₂	
JULY 20	106	F	450	550	5 ₂	(6+10)
	107	M	475	580	5 ₃	(7+11)
	108	F	510	595	5 ₃	(8+13)
	109	F	480	570	4 ₂	
	110	M	550	670	6 ₂	
	111	M	515	610	5 ₃	(8+11)
	112	F	560	670	6 ₃	
	113	F	495	605	5 ₃	(7+10)
	114	F	470	570	5 ₃	(7+11)
	115	F	440	540	5 ₃	(7+12)
	116	F	480	575	5 ₃	(8+9)
	117	M	495	605	5 ₃	(8+11)
	118	F	520	640	5 ₃	
	119	F	515	620	6 ₂	
	120	F	530	640	5 ₃	
	121	F	485	590	5 ₂	(7+11)
	122	M	545	675	5 ₃	
123	F	470	570	5 ₂	(5+11)	
124	F	525	650	6 ₃		
125	M	515	650	5 ₂		
JULY 20	126	F	480	590	5 ₂	(6+12)
	127	F	430	525	4 ₂	
	128	F	510	620	5 ₂	(7+12)
	129	F	505	610	5 ₃	(5+11)
	130	F	455	560	5 ₃	(7+9)
	131	F	520	645	6 ₃	
	132	F	480	595	4 ₂	

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
July 20	133	F	475	570	5 ₃	(7+11)
	134	M	510	645	6 ₃	
	135	M	510	635	4 ₂	
	136	F	545	670	5 ₂	
	137	F	520	640	5 ₃	(7+13)
	138	F	460	555	5 ₃	(7+11)
	139	F	500	600	6 ₃	
	140	M	420	530	5 ₃	(8+11)
	141	M	490	605	5 ₃	(7+13)
	142	F	485	590	5 ₃	(8+12)
	143	F	550	680	6 ₃	
	144	F	470	570	5 ₃	(7+11)
	145	F	480	590	5 ₃	(6+11)
	146	F	560	670	6 ₃	
	147	F	510	630	6 ₃	
	148	M	435	520	4 ₂	
	149	M	510	620	5 ₂	(8+13)
	150	M	500	595	5 ₃	(5+12)
	JULY 20	151	F	475	570	5 ₃
152		F	470	560	5 ₃	(6+13)
153		F	500	590	5 ₃	(6+13)
154		M	535	650	6 ₃	
155		F	475	565	5 ₃	(7+11)
156		F	455	530	4 ₂	
157		M	510	615	4 ₂	
JULY 21	158	F	475	570	4 ₂	
	159	F	475	560	5 ₂	(8+13)
	160	M	500	620	5 ₃	(7+11)
	161	F	470	560	5 ₃	(6+10)
	162	F	465	560	4 ₂	
	163	M	490	600	4 ₂	
	164	F	440	530	4 ₂	
	165	M	460	560	5 ₂	(6+11)
	166	F	465	550	4 ₂	
	167	M	460	580	5 ₂	(7+10)
	168	M	580	730	6 ₃	
169	M	630	510	5 ₃	(6+12)	
170	M	490	620	5 ₃	(8+10)	
171	M	530	660	5 ₃	(7+11)	
172	F	495	600	5 ₃	(7+10)	
173	M	500	610	5 ₃	(8+11)	
174	F	450	550	4 ₂		
JULY 21	175	M	420	550	4 ₂	
	176	F	485	600	5 ₂	(7+10)

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
July 21	177	M	490	610	5 ₃	(6+11)
	178	M	480	580	5 ₃	(6+11)
	179	F	500	620	5 ₃	(8+14)
	180	F	490	590	5 ₃	(6+13)
	181	F	500	610	5 ₃	(7+13)
	182	F	480	600	4 ₂	
	183	M	460	570	5 ₃	(6+10)
	184	F	430	540	5 ₃	(7+10)
	185	M	485	600	5 ₃	(8+9)
	186	F	460	550	4 ₂	
	187	F	495	600	5 ₂	(7+10)
	188	F	460	560	5 ₃	(6+9)
	189	F	530	660	3 _m	
	190	F	460	580	4 ₂	
	191	M	480	600	5 ₃	(7+12)
	192	F	470	565	5 ₃	(7+11)
	193	F	460	540	4 ₃	
	194	F	490	590	4 ₂	
	195	M	530	615	5 ₃	(6+10)
	196	F	500	610	5 ₃	(5+11)
197	F	485	585	5 ₃	(7+9)	
198	M	470	585	5 ₃	(6+13)	
199	F	460	545	4 ₂		
200	F	460	545	5 ₂	(7+11)	
JULY 21	201	M	480	590	4 ₂	
	202	F	420	515	5 ₃	(8+12)
	203	F	470	570	5 ₃	(6+13)
	204	F	510	595	4 ₃	
	205	F	485	570	4 ₂	
	206	M	455	555	5 ₃	(8+11)
	207	F	455	540	4 ₃	
JULY 22	208	M	490	610	5 ₂	(6+10)
	209	F	480	590	5 ₃	(7+11)
	210	F	450	560	5 ₃	(7+10)
	211	F	495	600	rg	
	212	F	520	625	4 ₂	
	213	M	510	630	5 ₂	(6+11)
	214	M	500	620	5 ₃	(8+10)
	215	F	510	630	5 ₃	
	216	M	495	600	6 ₃	
	217	F	480	580	5 ₃	(7+13)
	218	F	480	580	5 ₃	(7+12)
	219	F	490	590	5 ₃	(7+10)
	220	F	460	560	5 ₃	(6+11)
	219	F	520	635	6 ₃	
	220	F	485	590	5 ₃	(6+10)

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
July 22	221	F	485	590	4 ₂	
	222	F	460	560	5 ₃	(8+12)
	223	F	550	685	3 _m	
	224	M	470	575	5 ₃	(7+13)
	225	F	480	575	5 ₃	(6+12)
	226	M	530	655	5 ₃	
	227	M	490	595	4 ₂	
	228	F	490	585	5 ₂	(6+12)
	229	F	475	575	5 ₃	(6+13)
	230	M	490	600	4 ₂	
	231	F	490	600	5 ₃	(7+10)
	232	M	525	645	5 ₂	
	233	F	450	545	5 ₃	(7+10)
	234	F	460	560	5 ₃	(7+11)
	235	M	505	630	5 ₃	(7+12)
	236	M	500	605	5 ₃	(8+11)
	237	F	440	535	4 ₂	
	238	F	450	540	5 ₂	(7+11)
	239	F	485	580	5 ₃	(5+12)
	240	F	430	530	5 ₃	(7+11)
	241	F	465	560	4 ₂	
	242	F	555	680	6 ₃	
	243	F	460	560	5 ₃	(8+11)
	244	M	495	610	5 ₃	(7+10)
	245	F	500	615	6 ₃	
	246	F	460	560	4 ₂	
	247	F	480	580	4 ₂	
	248	F	480	585	5 ₂	(6+11)
	249	F	460	565	5 ₃	(6+12)
	250	F	490	595	6 ₃	
	251	F	485	585	4 ₂	
	252	F	470	570	5 ₂	(9+11)
	253	F	460	550	5 ₃	(7+12)
254	F	480	580	5 ₃	(5+12)	
255	M	535	650	6 ₃		
256	F	545	685	6 ₃		
257	F	450	550	4 ₂		
JULY 23	258	M	465	585	5 ₂	(6+11)
	259	M	455	560	4 ₃	
	260	F	480	590	5 ₂	(7+12)
	261	M	505	615	5 ₃	(6+13)
	262	F	510	605	5 ₃	(7+13)
	263	M	470	580	5 ₃	(5+10)
	264	M	545	670	5 ₂	

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
July 23	265	M	560	685	5 ₂	
	266	F	500	615	5 ₃	(6+11)
	267	F	470	585	5 ₃	(6+12)
	268	M	540	670	6 ₃	
	269	F	515	615	2 _m	
	270	F	475	580	5 ₃	(7+9)
	271	M	510	630	5 ₃	(5+15)
	272	M	495	605	5 ₃	(6+11)
	273	F	440	535	4 ₂	
	274	F	515	610	2 _m	
	275	M	485	595	4 ₂	
	276	M	535	680	6 ₃	
	277	M	495	605	5 ₃	(7+10)
	278	F	500	605	5 ₃	(7+11)
	279	M	490	605	5 ₃	(7+10)
	280	F	460	565	5 ₃	(7+13)
	281	F	455	555	5 ₃	(7+13)
	282	M	460	575	5 ₃	(7+11)
	283	M	540	660	5 ₃	(6+10)
	284	F	500	610	5 ₃	(7+11)
	285	F	510	635	5 ₃	
	286	M	555	685	6 ₂	
	287	F	510	620	5 ₃	(7+11)
	288	F	495	600	5 ₃	(9+11)
	289	F	470	560	5 ₃	(7+10)
	290	F	450	550	5 ₃	(7+11)
	291	F	505	620	5 ₂	
	292	M	575	705	6 ₃	
	293	F	500	600	4 ₂	
	294	F	465	560	5 ₃	(6+12)
	295	F	460	560	5 ₃	(7+10)
	296	F	480	580	5 ₃	(8+10)
	297	F	490	600	5 ₃	(7+13)
298	M	485	605	5 ₃	(7+12)	
299	F	450	565	5 ₃	(7+10)	
JULY 23	300	M	445	575	5 ₂	
	301	M	475	605	4 ₂	
	302	F	490	590	5 ₃	(9+10)
	303	M	485	605	4 ₂	
	304	M	510	610	4 ₂	
305	F	420	500	4 ₂		
JULY 24	306	F	555	650	5 ₂	(6+9)
	307	F	525	640	6 ₃	
	308	F	450	545	5 ₃	(6+12)

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count	
July 24	309	M	470	570	5 ₃	(7+11)	
	310	F	500	615	6 ₃		
	311	F	450	560	5 ₃	(6+12)	
	312	M	520	640	4 ₂		
	313	F	450	550	5 ₂	(5+11)	
	314	M	520	670	5 ₃		
	315	F	470	570	5 ₂	(7+11)	
	316	F	480	575	4 ₂		
	317	F	540	650	6 ₂		
	318	F	480	585	5 ₃	(5+12)	
	319	F	450	540	5 ₃	(6+9)	
	320	F	475	590	5 ₃	(7+10)	
	321	F	520	640	5 ₃		
	322	F	455	570	5 ₂	(7+10)	
	323	M	460	580	5 ₃	(6+8)	
	324	F	450	540	5 ₃	(6+11)	
	325	F	470	575	5 ₃	(7+9)	
	326	M	495	615	5 ₃	(7+11)	
	327	F	490	595	5 ₃	(6+9)	
	328	F	520	640	6 ₃		
	329	F	470	570	2 _m		
	330	M	555	690	6 ₃		
	331	F	495	600	4 ₂		
	332	F	500	600	5 ₂	(5+10)	
	333	F	505	610	6 ₃		
	334	F	470	570	4 ₂		
	335	F	500	605	5 ₂	(7+12)	
	JULY 25	336	F	480	600	5 ₃	(7+10)
		337	F	470	570	5 ₃	
		338	M	565	715	5 ₂	
		339	F	510	620	5 ₂	(8+14)
		340	F	480	595	2 _m	
		341	F	455	550	5 ₃	(8+10)
342		F	475	580	5 ₃	(5+11)	
343		M	515	630	5 ₃	(7+10)	
344		F	470	585	5 ₃	(5+10)	
345		F	450	565	5 ₃	(6+11)	
346		M	455	550	4 ₂		
347		M	495	605	5 ₂	(6+12)	
348		F	455	560	5 ₃	(6+10)	
349		F	480	610	5 ₃	(9+9)	
350		F	475	580	5 ₃	(7+9)	
JULY 25		351	F	470	575	5 ₃	(7+15)
		352	F	445	540	5 ₃	(7+12)

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
July 25	353	M	510	615	5 ₃	(7+10)
	354	M	490	515	5 ₃	(7+12)
	355	F	465	560	5 ₃	(7+11)
	356	M	465	580	4 ₂	
	357	F	540	670	5 ₂	
	358	F	480	590	5 ₃	(7+13)
	359	M	475	580	4 ₂	
	360	F	490	600	5 ₃	(7+10)
	361	M	505	630	5 ₃	(6+12)
	362	F	410	490	rd	
	363	M	510	625	5 ₃	(8+11)
	364	F	440	540	2 _m	
	365	F	450	550	5 ₃	(6+10)
	366	M	490	605	5 ₃	(7+12)
	JULY 26	367	F	485	590	5 ₃
368		M	480	590	5 ₃	(8+12)
369		F	470	565	5 ₃	(6+10)
370		F	500	620	6 ₃	
371		M	500	630	5 ₃	(7+10)
372		F	460	565	4 ₂	
373		M	515	630	5 ₂	(6+9)
374		F	525	645	5 ₃	
375		F	495	590	5 ₂	(6+11)
376		F	440	530	5 ₃	(8+10)
377		F	505	620	5 ₃	(7+12)
378		F	505	630	5 ₃	(7+11)
379		F	440	535	5 ₃	(7+11)
380		F	450	555	5 ₃	(5+11)
381		F	465	570	5 ₃	(6+13)
382		F	450	545	5 ₃	(7+11)
383		M	485	605	5 ₂	
384		M	550	690	5 ₂	
385		F	465	560	5 ₂	(7+13)
386		F	530	645	6 ₃	
387		F	490	590	5 ₃	(9+11)
388	F	515	645	5 ₂		
389	F	470	565	4 ₂		
390	M	505	620	4 ₂		
JULY 27	391	M	490	610	5 ₂	(6+12)
	392	F	440	540	5 ₃	(6+11)
	393	M	465	580	5 ₃	(8+11)
	394	M	565	690	3 _m	
	395	F	430	530	5 ₃	(7+12)
	396	M	480	605	5 ₃	(8+11)

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
July 27	397	M	465	580	5 ₃	(8+9)
	398	F	560	680	3 _m	
	399	F	440	530	4 ₂	
	400	F	460	560	5 ₂	(6+11)
	401	F	480	590	4 ₃	
	402	M	445	565	5 ₂	(7+13)
	403	M	450	550	5 ₃	(8+10)
	404	M	475	590	5 ₃	(5+12)
	405	F	580	710	6 ₃	
	406	F	480	585	4 ₂	
	407	F	520	640	6 ₃	
	408	F	465	570	5 ₃	(6+13)
	409	F	470	580	5 ₃	(7+10)
	410	M	495	610	5 ₃	(5+13)
	411	F	450	550	5 ₃	(7+13)
	412	F	440	545	5 ₃	(5+13)
	413	M	490	620	5 ₃	(8+12)
	414	F	460	550	5 ₃	(7+13)
	415	F	500	615	5 ₃	(6+13)
	416	M	470	595	5 ₃	(5+11)
JULY 28	417	M	470	590	5 ₃	(6+10)
	418	F	475	565	5 ₃	(8+10)
	419	F	430	515	4 ₃	
	420	M	510	620	5 ₂	(7+13)
	421	F	560	670	6 ₃	
	422	M	485	595	5 ₃	(7+13)
	423	M	540	675	6 ₃	
	424	M	490	590	4 ₃	
	425	F	490	590	5 ₂	(8+11)
	JULY 28	426	M	455	555	4 ₂
427		M	495	595	4 ₂	
428		F	450	550	5 ₂	(6+12)
429		M	520	630	5 ₃	
430		M	470	565	5 ₂	(6+11)
431		F	460	550	5 ₃	(7+12)
432		F	455	545	2 _m	
433		F	425	510	5 ₃	(5+12)
434		M	540	680	5 ₃	
435		F	500	595	5 ₂	(7+12)
436		F	430	530	4 ₂	
437		M	480	590	4 ₂	
438		F	520	640	5 ₂	
439		F	425	530	5 ₂	(7+12)
440		F	480	585	5 ₃	(5+11)

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count	
July 28	441	M	490	600	5 ₃	(7+11)	
	442	M	460	585	5 ₃	(7+11)	
JULY 29	443	M	490	610	5 ₃	(6+9)	
	444	F	450	560	5 ₃	(5+11)	
	445	F	460	570	5 ₃	(7+11)	
	446	M	470	600	5 ₃	(8+13)	
	447	F	475	580	5 ₃	(6+10)	
	448	F	490	615	6 ₃		
	449	M	480	600	5 ₃	(6+12)	
	450	M	470	590	5 ₃	(6+12)	
	451	M	515	630	4 ₃		
	452	F	440	540	5 ₂	(5+11)	
	453	M	500	630	5 ₃	(7+11)	
	454	M	490	610	4 ₂		
	455	F	440	550	4 ₂		
	456	M	460	575	2 _m		
	457	F	495	610	3 _m		
	458	M	475	585	5 ₃	(6+9)	
	459	F	450	555	5 ₃	(6+12)	
	460	F	510	620	5 ₃	(7+12)	
	JULY 30	461	F	475	580	4 ₃	
		462	F	420	510	4 ₂	
463		F	475	570	5 ₂	(7+10)	
464		F	465	565	5 ₃	(6+11)	
465		F	460	555	4 ₃		
466		F	505	620	4 ₂		
467		M	490	595	5 ₂	(7+12)	
468		F	450	550	rg		
469		M	550	680	6 ₃		
470		M	550	690	3 _m		
471		M	505	610	5 ₃	(8+10)	
472		M	520	630	3 _m		
473		F	470	565	5 ₃	(8+12)	
474		F	455	560	5 ₃	(6+11)	
475		M	460	565	5 ₃	(6+11)	
JULY 30		476	F	440	540	5 ₃	(6+14)
		477	F	435	520	5 ₃	(6+12)
		478	M	485	610	4 ₂	
	479	F	475	580	6 ₃		
	480	F	465	570	5 ₃	(8+11)	
	481	M	480	590	5 ₃	(5+14)	
	482	M	535	640	6 ₃		
	483	F	470	570	5 ₃	(6+11)	
	484	F	450	550	5 ₃	(7+14)	

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count	
July 30	485	F	510	620	6 ₃		
	486	F	490	585	5 ₃	(7+10)	
	487	F	440	530	5 ₃	(7+12)	
	488	F	445	540	5 ₃	(7+11)	
	489	M	460	560	4 ₂		
	490	F	485	585	5 ₃	(7+10)	
	491	M	470	575	5 ₃	(6+11)	
	492	M	475	590	4 ₂		
	JULY 31	493	F	510	620	4 ₂	
		494	M	480	590	4 ₂	
495		F	455	550	5 ₂	(6+11)	
496		M	525	650	6 ₃		
497		M	555	670	6 ₃		
498		M	580	700	rd		
499		F	470	570	4 ₂		
500		F	470	560	4 ₂		
JULY 31		501	F	435	525	4 ₂	
		502	F	450	555	4 ₂	
	503	F	440	540	5 ₃	(6+13)	
	504	F	425	510	4 ₂		
	505	M	495	605	5 ₂	(8+13)	
	506	F	440	530	5 ₃	(7+11)	
	507	F	490	590	5 ₃	(7+13)	
	508	F	445	545	5 ₃	(6+12)	
	509	M	555	675	6 ₃		
	510	F	420	500	5 ₃	(7+9)	
	511	F	395	485	2 _m		
	512	M	500	600	5 ₃	(6+13)	
	513	F	450	555	5 ₃	(6+13)	
	514	M	470	580	5 ₃	(6+9)	
	515	M	480	585	5 ₃	(5+14)	
516	F	490	600	5 ₃	(9+14)		
AUG. 1	517	F	535	665	6 ₃		
	518	F	515	620	6 ₃		
	519	M	505	615	5 ₃	(8+11)	
	520	F	475	590	5 ₃	(5+13)	
	521	F	435	530	4 ₂		
	522	M	510	630	5 ₂	(7+10)	
	523	F	480	580	5 ₃	(7+11)	
	524	M	515	640	5 ₃	(7+12)	
	525	F	460	565	2 _m		
	526	M	510	615	4 ₂		
	527	M	460	580	5 ₂	(7+11)	
	528	F	455	565	4 ₃		

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H. P Length	N/F Length	Age	Circuli Count
Aug 1	529	F	440	535	5 ₃	(6+10)
	530	F	455	560	4 ₂	
	531	F	425	520	5 ₃	(5+12)
	532	M	510	625	5 ₂	
	533	F	455	555	5 ₃	(6+14)
	534	F	475	575	5 ₃	(6+12)
	535	M	530	670	6 ₃	
	536	F	455	560	5 ₃	(5+13)
	537	M	485	615	rg	
	538	F	450	550	4 ₂	
	539	F	575	700	5 ₂	
	540	M	485	590	w ₂	
	541	F	480	585	5 ₃	(6+14)
	542	F	520	645	5 ₂	
AUG. 2	543	F	470	580	5 ₃	(8+12)
	544	F	530	650	6 ₃	
	545	F	435	530	5 ₃	(6+9)
	546	F	470	565	5 ₃	(6+12)
	547	M	480	590	5 ₃	(5+14)
	548	M	455	560	5 ₃	(8+12)
	549	F	465	565	4 ₂	
	550	M	435	545	5 ₃	(7+8)
	551	F	525	630	6 ₃	
	552	F	535	650	3m	
	553	F	470	565	5 ₃	(8+12)
	554	F	560	695	5 ₂	
	555	F	485	585	5 ₃	(6+13)
	556	F	500	610	6 ₃	
	557	F	430	525	5 ₃	(5+11)
	558	F	465	570	5 ₃	(7+11)
	559	F	450	545	5 ₃	(6+12)
	560	F	435	545	4 ₂	
561	M	485	590	5 ₃	(8+13)	
562	F	500	620	6 ₃		
563	F	455	560	5 ₃	(7+12)	
564	M	520	640	5 ₃	(6+11)	
565	F	455	550	5 ₃	(7+12)	
566	F	455	565	4 ₃		
567	F	435	530	4 ₂		
AUG. 3	568	M	470	590	5 ₂	(7+14)
	569	F	530	640	5 ₃	(7+12)
	570	F	500	620	5 ₃	(8+15)
	571	M	520	640	5 ₃	(8+13)
	572	F	535	655	5 ₃	(7+11)

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
Aug 3	573	F	445	550	4 ₂	
	574	F	505	615	6 ₃	
	575	F	465	570	5 ₃	(6+10)
	576	F	515	630	5 ₃	(8+11)
	577	F	475	580	4 ₂	
	578	M	470	585	5 ₂	(7+10)
	579	F	450	550	5 ₃	(7+13)
	580	F	450	550	2 _m	
	581	M	530	650	5 ₂	
	582	F	565	690	6 ₃	
	583	F	450	555	5 ₃	(6+14)
	584	M	480	595	5 ₃	(8+12)
	585	F	500	600	5 ₂	
	586	M	525	630	5 ₃	(7+11)
	587	F	530	640	6 ₃	
	588	F	465	565	5 ₃	(7+11)
	589	M	505	630	5 ₃	(7+12)
	590	F	415	520	4 ₂	
	591	F	435	520	rg	
	AUG. 4	592	F	545	660	6 ₃
593		F	535	660	5 ₃	(7+10)
594		F	455	555	5 ₃	(6+12)
595		F	440	535	4 ₂	
596		F	505	620	2 _m	
597		F	455	565	5 ₃	(6+11)
598		M	460	560	5 ₃	(4+12)
599		F	530	650	5 ₃	(10+10)
600		F	425	530	5 ₃	(6+13)
AUG. 4		601	M	490	595	5 ₃
	602	M	500	605	5 ₃	(5+11)
	603	M	500	620	5 ₃	(7+11)
	604	F	445	550	2 _m	
	605	F	435	550	5 ₂	
	606	F	460	560	5 ₂	(6+11)
	607	M	495	610	5 ₃	(5+12)
	608	F	495	600	5 ₃	
	609	M	545	675	5 ₂	
	610	F	500	600	5 ₂	(7+13)
	611	F	545	665	5 ₃	
	612	M	505	610	4 ₂	
	613	M	510	630	5 ₂	(7+12)
	614	F	440	520	4 ₂	
	615	F	430	520	4 ₂	
	616	F	455	550	5 ₃	(7+11)

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
Aug. 4	617	F	515	625	2m	
AUG. 5	618	F	505	620	4 ₂	
	619	F	505	630	4 ₂	
	620	F	555	685	6 ₃	
	621	F	455	545	5 ₃	(6+10)
	622	F	525	640	3m	
	623	F	440	550	5 ₃	(7+11)
	624	F	415	505	5 ₃	(6+14)
	625	M	425	540	4 ₂	
AUG. 5	626	F	530	640	6 ₃	
	627	F	475	570	5 ₃	(7+12)
	628	M	445	550	5 ₃	(5+10)
	629	F	455	555	4 ₂	
	630	F	435	530	5 ₂	(7+12)
	631	M	500	630	3m	
	632	M	505	610	5 ₃	(5+12)
	633	F	425	525	4 ₂	
	634	F	460	570	5 ₂	(6+10)
	635	F	555	665	3m	
	636	M	550	680	5 ₂	
	637	M	455	565	4 ₂	
	638	F	465	565	4 ₂	
	639	F	465	560	5 ₂	(7+10)
	640	F	455	545	5 ₃	(5+13)
	641	F	550	670	3m	
	642	F	450	545	5 ₃	(7+10)
AUG. 6	643	M	520	635	4 ₂	
	644	F	465	560	4 ₂	
	645	F	445	550	5 ₂	(7+9)
	646	M	490	610	4 ₃	
	647	F	425	530	4 ₂	
	648	F	445	550	5 ₂	(5+12)
	649	F	465	510	5 ₃	(6+12)
	650	M	525	640	3m	
	651	M	485	605	5 ₃	(7+10)
	652	M	485	610	5 ₃	(7+13)
	653	M	490	620	5 ₃	(8+12)
	654	M	440	550	5 ₃	(7+12)
	655	F	470	565	5 ₃	(6+11)
	656	F	460	550	5 ₃	(7+12)
	657	M	480	595	4 ₂	
	658	M	515	650	4 ₂	
	659	F	455	545	5 ₂	(8+10)
	660	M	520	635	5 ₃	(7+12)

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
Aug. 6	661	F	440	550	5 ₃	(5+12)
	662	M	480	600	4 ₂	
	663	M	530	650	6 ₃	
	664	F	430	520	4 ₂	
	665	F	465	570	5 ₂	(4+11)
	666	M	495	590	4 ₂	
AUG. 7	667	F	480	580	5 ₃	(6+14)
	668	F	410	500	5 ₃	(5+12)
	669	F	535	645	3 _m	
	670	F	445	540	5 ₃	(7+12)
	671	M	450	550	5 ₃	(7+12)
	672	M	475	580	4 ₂	
	673	M	530	640	5 ₃	(7+11)
	674	F	505	600	2 _m	
	675	F	490	590	5 ₃	(8+11)
	676	M	435	540	5 ₃	(5+13)
	677	F	480	575	2 _m	
	678	M	510	620	5 ₃	(6+12)
	679	F	445	535	5 ₃	(6+11)
	680	F	480	570	5 ₃	(6+12)
	681	M	480	580	5 ₃	(7+12)
	682	F	480	585	4 ₂	
	683	M	520	625	5 ₃	(7+13)
	684	F	445	530	4 ₂	
	685	M	550	680	6 ₂	
	686	F	470	560	5 ₃	(6+13)
687	F	460	550	5 ₃	(8+8)	
688	F	465	560	5 ₃	(6+11)	
689	F	485	590	5 ₃	(8+13)	
690	M	505	610	4 ₂		
691	F	475	570	5 ₃	(8+14)	
692	F	445	540	5 ₃	(8+8)	
AUG. 8	693	F	520	640	5 ₃	(6+12)
	694	M	510	630	4 ₂	
	695	M	475	610	5 ₂	(7+11)
	696	F	485	580	2 _m	
	697	F	470	570	2 _m	
	698	F	545	690	5 ₂	
	699	F	455	540	5 ₃	(6+11)
	700	M	400	490	4 ₂	
	701	F	510	630	2 _m	
	702	F	465	560	5 ₃	(6+11)
	703	F	485	600	5 ₃	(7+12)
	704	F	475	600	5 ₃	(6+13)

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count	
Aug. 8	705	F	515	610	5 ₃	(6+12)	
	706	F	475	580	5 ₃	(7+9)	
	707	F	590	715	6 ₃		
	708	F	400	485	4 ₂		
	709	F	430	520	5 ₂	(8+13)	
	710	F	505	640	5 ₃	(8+9)	
	711	M	500	630	5 ₃	(8+11)	
	712	F	535	650	5 ₃		
	713	M	495	610	5 ₂	(8+13)	
	714	F	530	640	2 _m		
	715	F	375	470	5 ₃	(6+13)	
	716	F	575	700	6 ₃		
	717	M	535	670	3 _m		
	AUG. 9	718	M	475	620	4 ₂	
		719	F	590	715	5 ₂	
720		F	475	575	5 ₃	(4+12)	
721		F	475	590	5 ₃	(6+15)	
722		F	505	630	3 _m		
723		M	485	605	4 ₂		
724		M	465	590	2 _m		
725		M	495	620	5 ₃	(7+10)	
726		F	550	670	6 ₃		
727		F	440	560	5 ₃	(7+10)	
728		M	505	640	5 ₃	(7+12)	
729		F	435	520	4 ₂		
730		F	515	630	2 _m		
731		F	455	570	5 ₃	(6+13)	
732		F	455	560	5 ₃	(4+13)	
733		F	530	630	5 ₃		
734		F	440	540	4 ₂		
735		F	505	610	5 ₂		
736		F	510	610	5 ₂	(9+12)	
737		M	545	680	6 ₃		
738	M	450	555	5 ₃	(7+12)		
739	F	550	645	3 _m			
740	F	525	640	5 ₃	(7+10)		
741	F	490	590	5 ₃	(5+7)		
742	M	505	625	5 ₃	(7+10)		
AUG. 10	743	F	460	590	2 _m		
	744	F	550	680	6 ₃		
	745	F	420	515	5 ₃	(8+10)	
	746	F	500	605	5 ₃		
	747	F	460	560	5 ₂	(7+13)	
	748	M	565	695	5 ₂		

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
Aug. 10	749	F	455	580	5 ₃	(8+10)
	750	F	485	580	5 ₃	(6+13)
	751	M	585	710	5 ₂	
	752	F	465	590	5 ₃	(6+12)
	753	M	495	620	5 ₃	(6+10)
	754	F	505	610	5 ₃	
	755	F	510	625	5 ₂	
	756	M	510	640	5 ₂	(6+12)
	757	F	485	580	4 ₂	
	758	M	525	625	5 ₃	(6+13)
	759	F	520	640	5 ₂	
	760	F	475	570	5 ₂	(5+10)
	761	F	480	580	5 ₃	(8+10)
	762	F	525	640	5 ₃	(6+12)
	763	F	450	540	5 ₃	(6+12)
	764	F	520	620	5 ₃	(7+10)
	765	F	465	570	4 ₃	
	766	F	575	690	6 ₂	
	767	M	510	630	2 _m	
	AUG. 11	768	F	430	530	4 ₂
769		F	510	605	5 ₂	(7+11)
770		M	530	630	5 ₃	(5+15)
771		M	505	605	5 ₃	(8+11)
772		F	460	590	4 ₂	
773		F	445	555	4 ₂	
774		M	475	575	4 ₂	
775		M	585	715	6 ₂	
776		F	470	570	5 ₃	(5+10)
777		F	420	520	5 ₃	(7+13)
778		M	515	615	5 ₃	(5+13)
779		F	530	640	5 ₃	(7+12)
780		F	440	560	5 ₃	(7+10)
781		M	485	590	4 ₂	
782		F	500	600	5 ₂	(7+14)
783		F	495	595	4 ₂	
784		F	490	610	5 ₂	
785		M	555	680	5 ₂	
786		F	505	640	4 ₂	
787		M	485	590	4 ₂	
788		M	495	610	4 ₂	
789		F	425	540	5 ₂	(6+16)
790		M	515	635	5 ₃	(7+10)
791		F	560	685	6 ₃	
792		F	420	510	5 ₃	(7+9)

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
AUG. 12	793	M	430	530	5 ₃	(6+9)
	794	F	475	570	5 ₃	(8+13)
	795	F	475	575	2 _m	
	796	F	515	625	5 ₂	
	797	M	505	620	5 ₃	(6+10)
	798	F	575	710	5 ₃	
	799	M	480	610	4 ₂	
	800	F	490	600	5 ₃	(6+7)
	801	F	560	680	6 ₃	
	802	M	475	600	5 ₃	
	803	F	455	555	5 ₂	(7+10)
	804	F	470	570	5 ₃	(6+12)
	805	M	510	620	5 ₃	(7+11)
	806	F	460	560	5 ₃	(6+10)
	807	F	440	560	4 ₃	
	808	F	485	580	5 ₂	(6+10)
	809	F	525	620	5 ₃	(6+13)
	810	M	485	605	4 ₂	
	811	F	485	585	5 ₃	(8+12)
	812	F	455	555	5 ₃	(8+10)
813	F	430	540	rg		
814	F	475	590	5 ₃	(6+11)	
815	M	540	665	6 ₃		
816	M	535	670	5 ₃	(5+10)	
817	M	575	700	6 ₃		
AUG. 13	818	F	370	455	4 ₃	
	819	F	470	570	5 ₂	(6+9)
	820	F	480	575	4 ₃	
	821	F	445	560	5 ₂	(6+11)
	822	M	550	700	6 ₃	
	823	F	460	570	5 ₃	(5+14)
	824	F	490	590	5 ₃	(5+10)
825	F	475	575	4 ₃		
AUG. 14	826	F	460	570	5 ₂	(8+12)
	827	M	485	615	5 ₃	(7+12)
	828	F	575	710	5 ₃	
	829	F	580	710	3 _m	
	830	F	465	570	4 ₂	
	831	F	475	585	4 ₂	
	832	F	425	520	4 ₂	
	833	M	515	625	5 ₂	(6+11)
	834	F	515	630	4 ₃	
	835	F	515	635	4 ₂	
	836	F	465	555	5 ₂	(7+9)

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
Aug. 14	837	F	510	625	6 ₃	
	838	M	500	625	5 ₃	(6+14)
	839	M	535	675	5 ₂	
	840	F	510	615	5 ₂	
	841	M	550	670	6 ₃	
	842	F	510	620	4 ₂	
	843	F	460	570	5 ₂	(5+11)
	844	F	440	535	5 ₃	(5+11)
	845	F	495	595	rg	
	846	F	515	610	5 ₃	(5+13)
	847	F	520	620	5 ₃	(6+12)
	848	F	495	595	w ₃	
	849	F	465	560	5 ₃	(7+11)
	850	M	500	620	5 ₃	(8+12)
	AUG. 15	851	M	530	680	5 ₃
852		F	525	640	6 ₂	
853		F	530	660	6 ₃	
854		F	485	610	5 ₃	
855		M	460	590	4 ₂	
856		F	510	635	4 ₂	
857		M	490	590	mi	
858		F	560	695	6 ₃	
859		F	500	620	5 ₃	(8+10)
AUG. 16	860	F	535	660	5 ₃	(7+13)
	861	F	490	600	4 ₂	
	862	F	460	560	rg	
	863	M	515	630	5 ₃	(6+12)
	864	F	495	595	rg	
	865	M	480	585	5 ₃	(6+10)
	866	F	515	630	5 ₃	(8+13)
AUG. 17	867	F	530	650	5 ₃	(7+13)
	868	F	465	570	5 ₃	(7+12)
	869	M	470	580	4 ₂	
	870	F	560	685	6 ₂	
	871	M	480	590	5 ₃	(5+9)
	872	F	490	600	4 ₂	
	873	M	530	650	5 ₂	(6+12)
	874	F	585	710	6 ₃	
	875	M	485	600	4 ₂	
AUG. 18	876	F	415	510	5 ₂	(6+12)
	877	F	460	590	5 ₃	
	878	F	490	600	5 ₃	(7+11)
	879	M	425	535	5 ₃	(7+10)
	880	F	440	540	5 ₃	(5+13)

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count	
Aug. 18	881	M	475	580	5 ₃	(7+11)	
	882	M	505	620	4 ₃		
	883	F	465	590	5 ₃	(7+12)	
	884	M	525	640	5 ₃	(6+12)	
	885	M	480	585	4 ₂		
	886	F	495	630	5 ₂		
	887	M	555	690	5 ₂		
	888	F	565	690	w ²		
	889	F	430	525	5 ₃	(6+15)	
	890	F	485	600	5 ₃	(7+11)	
	891	M	540	660	5 ₃	(6+12)	
	892	M	510	615	5 ₃	(7+13)	
	893	F	550	665	6 ₃		
	894	F	545	655	5 ₃	(5+10)	
	895	F	490	595	5 ₃	(6+13)	
	896	F	500	605	5 ₃	(6+11)	
	897	M	475	590	5 ₃	(9+9)	
	898	F	525	625	5 ₃	(6+11)	
	899	M	465	560	5 ₃	(6+11)	
	900	M	490	615	5 ₃	(8+11)	
	901	F	475	570	5 ₃	(8+11)	
	AUG. 19	902	F	510	630	6 ₃	
		903	M	520	645	5 ₃	(8+10)
904		F	405	495	5 ₃	(6+12)	
905		F	460	555	5 ₃	(4+11)	
906		M	590	720	5 ₃		
907		M	565	700	6 ₂		
908		M	500	605	5 ₃	(6+10)	
909		F	540	680	6 ₃		
910		M	550	675	6 ₃		
911		F	465	580	5 ₃	(6+13)	
912		F	460	560	6 ₃		
913		F	510	605	5 ₃	(6+12)	
914		F	530	640	5 ₃	(6+11)	
915		M	460	560	5 ₃	(7+10)	
916		M	480	580	5 ₃	(6+10)	
917		F	520	630	5 ₃	(7+11)	
918		F	550	660	5 ₃	(5+12)	
919		M	485	610	5 ₃	(5+11)	
920		F	500	610	5 ₃	(6+11)	
921		M	465	570	4 ₃		
922		M	585	730	6 ₂		
923		F	460	570	4 ₃		
924		F	460	550	5 ₃	(7+12)	

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
Aug. 19	925	F	480	585	4 ₂	
	926	M	520	630	5 ₃	(5+11)
AUG. 20	927	M	470	580	5 ₃	
	928	M	475	570	4 ₂	
	929	M	445	535	4 ₂	
	930	F	515	630	5 ₃	(6+11)
	931	M	470	580	4 ₃	
	932	M	560	695	5 ₂	
	933	F	515	620	5 ₂	
	934	M	545	680	6 ₃	
	935	F	500	600	4 ₂	
	936	F	545	655	6 ₃	
	937	F	490	610	5 ₃	(5+11)
	938	M	530	650	5 ₃	(7+10)
	939	F	530	635	5 ₃	(6+16)
	940	M	600	730	6 ₃	
	941	F	505	630	6 ₃	
	942	F	515	625	5 ₃	
	943	F	490	580	5 ₂	(7+12)
	944	M	440	530	5 ₃	(7+11)
	945	F	520	615	5 ₃	(7+8)
	946	F	570	690	2 _m	
947	F	495	600	5 ₃	(7+10)	
948	F	480	570	5 ₃	(7+10)	
949	F	540	640	5 ₃	(6+9)	
950	M	510	610	5 ₃	(6+9)	
AUG. 21	951	F	545	650	5 ₃	(7+13)
	952	M	585	710	6 ₃	
	953	F	560	670	6 ₃	
	954	F	495	600	5 ₃	(6+10)
	955	M	540	655	5 ₃	(5+12)
	956	M	550	665	6 ₃	
	957	M	575	705	5 ₃	
	958	M	560	700	5 ₂	
	959	M	445	540	4 ₂	
	960	F	500	595	4 ₂	
	961	M	560	685	5 ₂	
	962	F	495	600	4 ₂	
	963	M	495	620	5 ₂	(6+12)
	964	M	465	570	5 ₃	(7+11)
	965	F	450	535	4 ₃	
	966	F	460	565	5 ₃	(5+9)
	967	M	460	570	4 ₂	
	968	F	540	655	5 ₂	

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
Aug. 21	969	F	550	660	6 ₃	
	970	F	440	525	5 ₃	(7+12)
	971	F	460	560	5 ₃	(7+13)
	972	F	505	625	5 ₃	
	973	M	595	725	6 ₂	
	974	F	425	520	5 ₃	(5+11)
	975	F	500	605	5 ₃	(8+12)
	976	F	440	540	5 ₃	(7+12)
AUG. 22	977	F	520	630	5 ₃	(8+12)
	978	F	520	640	5 ₂	
	979	F	485	580	5 ₃	(4+11)
	980	M	510	620	5 ₃	(6+14)
	981	F	495	610	5 ₃	(6+10)
	982	F	570	690	6 ₃	
	983	M	530	650	5 ₃	(7+10)
	984	F	440	540	5 ₃	(6+10)
	985	M	470	585	4 ₂	
	986	F	540	660	6 ₂	
	987	F	460	570	5 ₃	(7+10)
	988	M	470	570	5 ₃	(7+9)
	989	M	470	570	5 ₃	(6+12)
	990	F	520	635	5 ₃	(7+12)
	991	F	545	660	6 ₃	
	992	F	585	700	6 ₃	
	993	F	575	705	6 ₃	
	994	F	475	560	4 ₂	
	995	M	510	620	4 ₂	
	996	M	490	595	5 ₂	(6+8)
997	F	485	600	5 ₃	(7+10)	
998	F	500	605	4 ₂		
999	F	505	615	5 ₂	(6+8)	
AUG.23	1000	F	525	640	5 ₃	(6+11)
	1001	F	470	580	5 ₃	(7+12)
	1002	F	555	680	6 ₃	
	1003	M	570	700	5 ₃	
	1004	F	490	590	4 ₂	
	1005	F	450	550	4 ₂	
	1006	F	480	580	5 ₂	(5+14)
	1007	F	480	575	5 ₃	(7+11)
	1008	M	475	565	4 ₂	
	1009	M	500	610	5 ₂	(7+9)
	1010	F	525	630	5 ₃	(6+11)
	1011	F	555	690	6 ₃	
	1012	F	565	690	5 ₂	

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
Aug. 23	1013	F	465	560	5 ₃	(5+12)
	1014	F	460	560	5 ₃	(5+12)
	1015	F	545	650	5 ₂	
	1016	F	500	610	5 ₃	(7+10)
	1017	F	455	560	rg	
	1018	F	475	560	2m	
	1019	F	470	560	4 ₂	
	1020	F	485	590	4 ₂	
	1021	F	535	635	6 ₃	
	1022	F	470	565	4 ₂	
	1023	M	465	565	5 ₂	(7+11)
	1024	M	500	620	4 ₂	
	1025	F	530	635	5 ₃	(7+10)
	1026	F	450	545	4 ₂	
AUG. 24	1027	M	500	620	5 ₃	(5+10)
	1028	M	520	640	5 ₃	(8+12)
	1029	M	550	670	5 ₃	(6+10)
	1030	M	505	615	w	
	1031	F	500	600	5 ₃	(8+11)
	1032	F	555	675	6 ₃	
	1033	M	475	575	4 ₂	
	1034	M	570	705	5 ₂	
	1035	M	500	610	rg	
	1036	F	505	605	5 ₃	(7+9)
	1037	M	460	570	4 ₂	
	1038	F	420	505	rg	
	1039	F	510	615	rg	
	1040	M	595	735	w	
	1041	M	600	750	6 ₃	
	1042	F	480	590	5 ₃	(6+10)
	1043	F	460	560	4 ₂	
	1044	M	570	695	6 ₃	
1045	M	450	560	w		
1046	F	430	510	5 ₃	(8+11)	
1047	M	465	570	4 ₂		
1048	M	475	595	5 ₃	(7+11)	
1049	F	525	635	5 ₃	(7+10)	
1050	F	500	610	5 ₃	(6+12)	
1051	F	440	545	2m		
AUG. 25	1052	F	490	615	5 ₃	(7+13)
	1053	F	555	680	6 ₃	
	1054	F	490	585	5 ₃	(5+13)
	1055	F	480	580	rg	
	1056	F	480	580	5 ₃	(5+13)

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count	
Aug. 25	1057	M	430	535	5 ₃	(6+10)	
	1058	M	410	500	4 ₂		
	1059	F	475	475	5 ₂	(5+12)	
	1060	M	470	585	5 ₃	(6+12)	
	1061	F	490	605	5 ₃	(4+13)	
	1062	F	460	555	4 ₂		
	1063	F	480	585	5 ₂	(7+13)	
	1064	M	550	670	6 ₃		
	1065	F	440	530	2 _m		
	1066	M	505	615	5 ₃	(5+14)	
	1067	M	495	615	5 ₃	(7+11)	
	1068	F	585	720	6 ₃		
	1069	F	480	580	5 ₃	(7+10)	
	1070	F	490	585	5 ₃	(7+12)	
	1071	M	510	630	5 ₃	(7+10)	
	1072	F	425	505	4 ₂		
	1073	F	510	625	5 ₂	(6+7)	
	1074	F	515	635	5 ₃	(7+11)	
	1075	F	490	590	5 ₃	(7+11)	
	1076	M	520	635	5 ₃	(8+10)	
	1077	M	575	705	5 ₃	(6+12)	
	1078	F	480	595	5 ₃	(7+12)	
	1079	M	545	670	5 ₃		
	1080	F	470	575	5 ₂	(7+11)	
	AUG. 26	1081	F	440	530	4 ₂	
		1082	F	460	575	4 ₂	
		1083	M	560	680	6 ₃	
		1084	F	490	600	5 ₃	(7+10)
		1085	F	485	595	5 ₃	(8+12)
		1086	M	500	615	5 ₃	(4+11)
1087		F	455	560	5 ₃	(5+12)	
1088		F	380	465	3 ₃		
1089		F	500	600	5 ₁	(8+10)	
1090		M	565	705	5 ₃		
1091		F	510	620	5 ₂	(7+12)	
1092		F	450	545	5 ₃	(8+10)	
1093		M	505	625	5 ₃	(8+10)	
1094		F	455	550	5 ₃	(8+10)	
1095		F	440	535	5 ₃	(7+10)	
1096		F	540	645	5 ₃	(6+11)	
1097		F	500	600	5 ₃	(7+11)	
1098		F	440	550	2 _m		
1099		F	450	555	4 ₂		
1100		M	510	615	5 ₃	(7+11)	

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
AUG. 26	1101	F	525	625	5 ₃	(5+9)
	1102	F	510	610	5 ₂	
	1103	F	480	575	4 ₂	
	1104	F	485	590	5 ₂	(5+11)
	1105	F	465	560	4 ₃	
AUG. 27	1106	M	565	710	6 ₂	
	1107	M	475	605	5 ₃	(5+12)
	1108	F	555	665	5 ₂	
	1109	F	450	555	4 ₂	
	1110	F	490	595	2 _m	
	1111	M	595	745	5 ₂	
	1112	M	585	720	6 ₃	
	1113	F	565	700	3 _m	
	1114	F	520	630	4 ₂	
	1115	M	580	710	6 ₂	
	1116	F	510	620	5 ₃	(6+14)
	1117	F	470	565	2 _m	
	1118	F	520	630	5 ₃	(6+11)
	1119	F	585	715	6 ₃	
	1120	F	515	640	5 ₃	(6+10)
	1121	F	470	560	4 ₂	
	1122	F	540	650	6 ₃	
	1123	F	470	570	4 ₂	
	1124	F	545	645	5 ₂	
	1125	F	505	610	5 ₂	(7+9)
1126	M	485	605	5 ₃	(7+10)	
1127	M	565	690	6 ₃		
1128	F	515	615	5 ₃	(7+12)	
1129	F	500	605	5 ₃	(5+11)	
1130	M	490	600	5 ₃	(6+13)	
1131	M	435	535	5 ₃	(5+10)	
1132	M	515	630	5 ₃	(5+12)	
1133	F	460	555	2 _m		
AUG. 28	1134	F	450	540	4 ₂	
	1135	M	595	740	6 ₂	
	1136	F	545	650	6 ₃	
	1137	F	450	545	2 _m	
	1138	M	525	640	5 ₃	(6+11)
	1139	F	435	530	5 ₃	(6+10)
	1140	F	500	605	5 ₃	(7+11)
	1141	F	510	615	5 ₂	
	1142	F	435	525	4 ₂	
	1143	F	395	485	4 ₂	
	1144	F	570	690	6 ₃	

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
Aug. 28	1145	M	570	690	5 ₂	
	1146	F	490	600	5 ₃	(5+14)
	1147	M	505	625	5 ₃	(6+14)
	1148	F	520	640	5 ₃	(4+14)
	1149	F	575	700	3 _m	
	1150	F	560	690	5 ₂	
	1151	M	575	705	6 ₃	
	1152	F	425	515	4 ₂	
	1153	M	500	620	4 ₂	
	1154	M	475	590	4 ₂	
	1155	F	460	560	4 ₂	
	1156	F	460	555	5 ₃	(5+11)
	1157	F	520	635	5 ₃	(6+15)
	1158	F	525	635	5 ₂	
AUG. 29	1159	F	480	590	5 ₃	(7+11)
	1160	M	490	595	5 ₃	(7+10)
	1161	F	460	560	4 ₃	
	1162	F	465	570	5 ₃	(8+11)
	1163	F	455	565	2 _m	
	1164	F	550	680	3 _m	
	1165	M	575	705	6 ₃	
	1166	F	505	610	2 _m	
	1167	F	490	600	3 _m	
	1168	F	405	495	4 ₂	
	1169	F	465	560	4 ₂	
	1170	F	475	570	5 ₃	(6+9)
	1171	M	510	620	5 ₃	(6+7)
	1172	M	530	650	5 ₃	(8+10)
	1173	F	560	675	5 ₂	
	1174	M	470	575	4 ₂	
	1175	F	475	590	5 ₃	(6+10)
	1176	F	550	660	5 ₃	
	1177	F	545	655	6 ₃	
	1178	F	510	625	2 _m	
1179	F	470	570	5 ₃	(9+11)	
1180	F	525	640	3 _m		
1181	F	465	565	5 ₃	(7+9)	
1182	F	495	600	2 _m		
1183	F	450	535	4 ₂		
AUG. 30	1184	F	520	630	5 ₃	(7+10)
	1185	M	515	640	2 _m	
	1186	F	540	645	5 ₃	(5+7)
	1187	F	460	580	5 ₃	(5+9)
	1188	F	545	660	6 ₃	

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count	
Aug. 30	1189	F	505	610	6 ₃		
	1190	F	505	610	5 ₂		
	1191	M	550	695	3 _m		
	1192	F	475	580	4 ₂		
	1193	M	595	740	3 _m		
	1194	M	545	670	6 ₃		
	1195	F	470	570	4 ₂		
	1196	F	485	585	5 ₂	(6+13)	
	1197	F	515	620	5 ₃	(6+10)	
	1198	M	580	705	3 _m		
	1199	F	590	715	3 _m		
	1200	M	425	540	5 ₃	(7+12)	
	1201	F	485	580	5 ₃	(6+12)	
	1202	F	455	550	3 _m		
	1203	F	495	600	2 _m		
	1204	F	450	540	4 ₂		
	1205	M	405	495	2 _m		
	1206	M	520	635	5 ₃	(5+11)	
	1207	M	530	645	5 ₃	(7+12)	
	1208	F	490	590	2 _m		
	1209	F	500	605	5 ₃	(5+14)	
	1210	F	530	650	5 ₂		
	1211	M	530	640	2 _m		
	1212	M	480	590	6 ₃		
	AUG. 31	1213	F	515	625	5 ₃	(6+12)
		1214	M	580	710	6 ₃	
		1215	F	520	625	5 ₃	(6+11)
1216		F	465	560	5 ₃	(9+11)	
1217		F	510	620	5 ₃	(7+11)	
1218		F	430	520	5 ₃	(5+12)	
1219		M	445	540	5 ₃	(5+9)	
1220		F	530	635	6 ₃		
1221		M	610	750	6 ₃		
1222		F	505	600	5 ₃	(6+11)	
1223		F	485	585	2 _m		
1224		M	480	595	5 ₃	(7+14)	
1225		F	490	585	5 ₃	(5+10)	
1226		F	455	550	5 ₃	(7+10)	
1227		F	450	550	5 ₃	(6+13)	
1228		M	500	610	5 ₃	(7+13)	
1229		F	575	690	6 ₃		
1230		F	470	560	2 _m		
1231		F	455	555	5 ₃	(5+9)	
1232		F	520	630	5 ₃	(9+12)	

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
Aug. 31	1233	F	530	640	5 ₂	
	1234	F	440	530	4 ₂	
	1235	F	440	530	4 ₂	
	1236	F	535	655	5 ₂	(7+11)
	1237	F	550	665	6 ₃	
SEPT. 1	1238	F	490	605	5 ₃	(6+10)
	1239	F	495	590	4 ₂	
	1240	F	465	560	5 ₂	(7+11)
	1241	M	515	630	5 ₃	(6+12)
	1242	F	530	640	5 ₂	
	1243	F	560	680	3 _m	
	1244	F	505	600	5 ₂	
	1245	F	505	600	5 ₃	(5+11)
	1246	F	510	610	5 ₃	(6+11)
	1247	F	505	615	5 ₃	(8+10)
	1248	F	465	560	4 ₂	
	1249	F	520	620	5 ₂	(5+12)
	1250	F	485	580	5 ₃	(5+12)
	1251	F	515	610	5 ₃	(6+12)
	1252	F	470	565	5 ₃	(7+11)
	1253	F	550	690	6 ₃	
	1254	F	485	590	5 ₃	(6+10)
	1255	M	530	645	5 ₃	(7+11)
	1256	M	510	620	4 ₂	
	1257	F	515	650	5 ₂	(7+8)
	1258	F	480	590	5 ₃	(6+11)
	1259	F	470	570	4 ₂	
	1260	F	500	605	5 ₂	(7+11)
1261	F	565	690	6 ₃		
SEPT. 2	1262	F	575	700	3 _m	
	1263	F	490	590	5 ₃	(7+9)
	1264	F	500	600	5 ₃	(7+11)
	1265	F	505	610	5 ₃	(7+8)
	1266	M	570	700	6 ₃	
	1267	F	485	590	5 ₃	(8+10)
	1268	F	450	540	5 ₃	(4+11)
	1269	M	505	605	5 ₃	(6+9)
	1270	F	490	590	5 ₃	(7+11)
	1271	F	480	590	2 _m	
	1272	F	420	510	4 ₂	
1273	F	505	615	5 ₃	(6+11)	
1274	M	555	670	5 ₂		
1275	F	505	600	5 ₂	(5+9)	
1276	F	565	680	6 ₃		

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count	
Sept. 2	1277	F	450	540	5 ₃	(7+12)	
	1278	F	560	690	6 ₃		
	1279	F	500	610	6 ₃		
	1280	M	490	620	4 ₂		
	1281	F	575	695	3 _m		
	1282	F	490	600	5 ₃	(5+10)	
	1283	F	445	530	5 ₃	(7+8)	
	1284	M	510	630	5 ₃	(5+13)	
	1285	F	485	575	5 ₃	(5+13)	
	1286	F	470	570	4 ₂		
	1287	M	460	575	5 ₃	(5+13)	
	SEPT. 3	1288	F	455	555	4 ₂	
		1289	F	485	590	5 ₃	(4+13)
		1290	F	560	690	6 ₃	
1291		F	460	550	2 _m		
1292		F	530	635	5 ₃	(6+8)	
1293		F	540	650	6 ₃		
1294		F	455	550	5 ₃	(5+13)	
1295		F	490	595	5 ₃	(6+10)	
1296		M	545	670	6 ₃		
1297		F	485	580	5 ₃	(6+11)	
1298		F	495	595	5 ₃	(7+11)	
1299		F	495	605	5 ₃	(6+11)	
1300		F	480	570	4 ₂		
1301		F	520	630	6 ₃		
1302		F	515	610	5 ₃	(8+11)	
1303		F	465	565	5 ₃	(6+11)	
1304		F	530	655	5 ₂		
1305		F	445	540	5 ₃	(5+13)	
1306		F	575	700	6 ₃		
1307		F	440	540	5 ₃	(5+9)	
1308	F	495	600	6 ₃			
1309	M	490	610	2 _m			
1310	F	485	580	4 ₂			
1311	F	495	610	5 ₃	(8+12)		
1312	F	490	600	5 ₃	(7+11)		
SEPT. 4	1313	M	470	570	5 ₃	(7+12)	
	1314	M	480	595	5 ₃	(8+10)	
	1315	F	465	565	5 ₃	(6+8)	
	1316	F	500	600	5 ₃	(7+10)	
	1317	F	490	595	5 ₃	(6+13)	
	1318	F	490	590	5 ₃	(6+12)	
	1319	M	500	615	5 ₃	(5+11)	
	1320	F	565	695	6 ₃		

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count
Sept. 4	1321	F	485	580	5 ₃	(5+11)
	1322	F	500	600	5 ₃	(7+12)
	1323	F	540	645	6 ₃	
	1324	F	610	740	3 _m	
	1325	F	570	700	3 _m	
	1326	F	570	690	6 ₃	
	1327	M	545	655	5 ₃	(7+11)
	1328	M	405	495	2 _m	
	1329	F	535	650	6 ₃	
	1330	F	535	640	5 ₃	(5+12)
	1331	F	550	650	5 ₂	
	1332	M	580	720	6 ₃	
	1333	F	500	605	5 ₃	(5+12)
	1334	F	480	580	5 ₃	(7+13)
	1335	F	465	565	5 ₃	(6+12)
	SEPT. 5	1336	F	440	525	4 ₂
1337		F	445	535	2 _m	
1338		M	440	540	5 ₃	(8+8)
1339		M	490	600	4 ₂	
1340		F	540	645	5 ₃	(6+10)
1341		F	530	630	4 ₂	
1342		F	505	610	5 ₂	(6+10)
1343		F	550	660	6 ₃	
1344		F	495	600	5 ₃	(7+12)
1345		M	515	640	5 ₃	(7+10)
1346		F	480	590	5 ₃	(5+11)
1347		F	485	580	5 ₃	(6+10)
1348		F	515	620	5 ₃	(5+13)
1349		M	590	725	6 ₃	
1350		F	480	580	5 ₃	(7+12)
1351		F	460	565	4 ₂	
1352		F	505	605	4 ₂	
1353		M	530	655	6 ₂	
1354		F	420	510	4 ₃	
1355		F	475	585	4 ₂	(8+10)
1356	F	515	625	5 ₃		
1357	M	555	685	5 ₂	(7+13)	
1358	M	515	625	5 ₃	(6+12)	
1359	F	440	530	4 ₃		
1360	F	485	580	5 ₂	(3+10)	
1361	F	525	630	6 ₃		
1362	F	505	610	5 ₃	(5+10)	
SEPT. 6	1363	F	510	605	5 ₃	(6+12)
	1364	M	510	625	5 ₃	(6+11)

Table IV (cont')

Biological information from sockeye samples collected daily at the Meziadin Fishway, 1990.

Date	Sample #	Sex	H.P Length	N/F Length	Age	Circuli Count	
Sept. 6	1365	F	495	595	5 ₃	(7+10)	
	1366	F	510	620	5 ₃	(6+9)	
	1367	M	515	640	5 ₃	(6+10)	
	1368	F	510	610	5 ₃	(7+12)	
	1369	M	530	665	6 ₃		
	1370	F	505	600	3 _m		
	1371	M	505	620	2 _m		
	1372	F	480	580	4 ₂		
	1373	M	580	710	3 _m		
	1374	F	515	615	5 ₃	(5+11)	
	1375	F	495	595	4 ₃		
	1376	M	525	660	5 ₂	(6+12)	
	1377	F	485	590	5 ₃	(3+11)	
	1378	M	525	645	5 ₃	(4+10)	
	1379	F	485	590	4 ₂		
	1380	F	465	560	4 ₂		
	1381	F	475	570	5 ₂	(6+12)	
	1382	M	590	730	6 ₃		
	1383	F	430	530	4 ₃		
	1384	F	530	650	5 ₃	(7+11)	
	1385	F	465	570	5 ₃		
	1386	F	510	610	5 ₂	(7+11)	
	SEPT. 7	1387	M	520	635	5 ₃	
		1388	F	490	595	5 ₂	
		1389	F	490	595	5 ₃	(7+8)
		1390	F	490	595	5 ₃	(8+9)
		1391	M	530	655	5 ₃	(6+13)
1392		M	505	625	4 ₃		
1393		F	450	545	5 ₂	(6+9)	
1394		F	520	630	5 ₃	(6+11)	
1395		M	560	690	6 ₃		
1396		F	435	530	2 _m		
1397		F	520	620	5 ₃	(6+9)	
1398		M	520	635	5 ₃	(7+13)	
1399		M	480	590	5 ₃	(7+11)	
1400		F	520	625	5 ₂		

Table V

Biological information obtained from Sockeye samples collected at Bonnie Creek, 1990.

Date	Sample #	Sex	Hypural Length (mm)	Nose/Fork Length (mm)	Age	Circuli Count
Sept. 11	1	M	463	600	5	2
	2	M	500	640	5	2
	3	M	520	670	5	2
	4	M	485	650	5	2
	5	M	510	670	5	2
	6	M	405	530	4	2
	7	M	450	580	5	2
	8	M	485	630	5	2
	9	M	455	595	5	2
	10	M	480	625	5	2
	11	M	445	580	4	2
	12	M	505	685	5	2
	13	M	485	625	5	2
	14	M	480	640	5	2
	15	M	510	685	5	2
	16	M	520	665	5	2
	17	M	510	675	5	2
	18	M	515	670	5	2
	19	M	510	660	5	2
	20	M	520	670	5	2
	21	F	505	650	5	2
	22	F	505	620	5	2
	23	F	500	625	5	2
	24	F	495	620	5	2
	25	F	490	605	5	2
Sept. 11	26	F	500	610	5	2
	27	F	475	590	5	2
	28	F	505	615	5	2
	29	F	495	600	5	2
	30	F	500	630	5	2
	31	F	465	600	5	2
	32	F	475	595	5	2
	33	F	420	510	4	2
	34	F	500	625	5	2
	35	M	505	665	5	2
	36	M	490	655	5	2
	37	M	525	670	5	2
	38	M	495	640	5	2
39	M	520	655	5	2	
40	M	510	660	5	2	
41	M	510	645	5	2	
42	M	510	655	5	2	
43	M	480	630	5	2	
44	M	495	640	5	2	
45	M	475	625	5	2	
46	M	470	610	5	2	
47	M	470	595	5	2	
48	M	485	635	5	2	

Table V (Continued)

Biological information obtained from Sockeye samples collected at Bonnie Creek, 1990.

Date	Sample #	Sex	Hypural Length (mm)	Nose/Fork Length (mm)	Age	Circuli Count
Sept 11	49	M	450	585	5	
	50	M	520	665	5	
	51	M	500	670	6	
	52	M	515	675	5	
	53	M	440	660	W	
	54	M	525	685	5	
	55	M	530	685	5	
	56	M	510	675	5	
	57	F	525	660	5	
	58	F	480	610	NA	
	59	F	440	555	4	
	60	F	490	610	S	
	61	F	490	615	5	
	62	F	485	605	5	
	63	F	480	610	5	
	64	F	470	595	5	
	65	F	480	610	5	
	66	F	430	530	5	
	67	F	470	590	5	
	68	F	475	610	5	
	69	F	505	630	S	
	70	F	490	615	5	
	71	F	505	625	5	
	72	F	460	585	5	
	73	F	470	585	5	
	74	F	485	615	5	
	75	F	475	600	5	
	76	F	510	630	5	
	77	F	495	620	5	
	78	F	480	595	5	
	79	F	500	610	5	
	80	F	495	615	5	
	81	F	475	605	5	
	82	F	460	575	5	
	83	F	475	605	5	
	84	F	560	630	5	
	85	F	435	535	4	
	86	F	415	520	4	
	87	F	415	530	4	
	88	M	470	630	5	
	89	M	455	580	5	
	90	M	505	675	5	
	91	M	495	640	5	
	92	M	465	620	5	
	93	M	500	650	5	
	94	M	480	645	5	
	95	M	485	635	5	
	96	M	480	640	5	
	97	M	495	650	5	

8+6

Table V (Continued)

Biological information obtained from Sockeye samples collected at Bonnie Creek, 1990.

Date	Sample #	Sex	Hypural Length (mm)	Nose/Fork Length (mm)	Age	Circuli Count
Sept 11	98	M	520	670	5	2
	99	M	495	660	5	2
	100	M	465	620	5	2

Table VI

Biological information obtained from Sockeye samples collected at Bowser Lake, 1990.

Date	Sample #	Sex	Hypural Length (mm)	Nose/Fork Length (mm)	Age	Circuli Counts
Sept. 12	1	M	495	660	6 ₃	
	2	M	560	705	6 ₃	
	3	M	510	650	6 ₃	
	4	M	415	590	4 ₂	
	5	M	400	545	5 ₂	5+6
	6	M	415	540	5 ₃	4+7
	7	M	510	660	5 ₂	
	8	M	490	645	6 ₂	
	9	M	430	560	5 ₃	6+10
	10	M	520	655	5 ₃	
	11	M	450	570	5 ₃	7+8
	12	M	515	645	5 ₃	
	13	M	415	520	4 ₂	
	14	M	485	635	5 ₂	
	15	M	510	650	5 ₂	
	16	M	475	630	5 ₂	
	17	M	440	535	5 ₂	7+6
	18	M	545	685	6 ₃	
	19	M	485	665	5 ₂	
	20	M	490	655	5 ₂	
	21	M	515	670	5 ₂	
	22	M	490	630	6 ₂	
	23	M	520	665	6 ₃	
	24	M	490	645	6 ₃	
	25	M	525	710	6 ₃	
	26	M	410	565	5 ₃	6+6
	27	M	450	580	4 ₂	
	28	M	510	670	6 ₂	
	29	M	480	655	5 ₂	
	30	M	520	680	6 ₂	
	31	M	505	675	6 ₃	
	32	M	530	690	6 ₃	
	33	M	525	680	6 ₃	
	34	M	530	710	6 ₃	
	35	M	505	655	5 ₂	
	36	M	420	575	5 ₂	
	37	M	530	710	6 ₃	
	38	M	505	675	5 ₂	
	39	M	435	565	5 ₂	
	40	M	500	665	6 ₂	
	41	M	430	575	UD	
	42	M	445	605	4 ₂	
	43	M	530	685	5 ₂	
	44	M	510	665	5 ₂	
	45	M	460	650	6 ₂	
	46	M	505	670	6 ₃	
	47	M	440	560	5 ₂	
	48	M	370	525	4 ₂	

Table VI (continued)

Biological information obtained from Sockeye samples collected at Bowser Lake, 1990.

Date	Sample #	Sex	Hypural Length (mm)	Nose/Fork Length (mm)	Age	Circuli Counts
Sept 12	49	M	415	570	5 ₃	8+8
	50	M	430	580	4 ₂	
	51	F	510	605	6 ₃	
	52	F	520	660	6 ₃	6+8
	53	F	510	620	6 ₃	
	54	F	535	675	6 ₃	
	55	F	455	615	6 ₃	5+8
	56	F	550	625	5 ₂	
	57	F	485	600	6 ₃	
	58	F	520	650	5 ₂	6+8
	59	F	480	655	6 ₃	
	60	F	420	535	5 ₃	
	61	F	465	575	6 ₃	5+8
	62	F	510	680	6 ₃	
	63	F	435	525	5 ₃	
	64	F	445	555	5 ₃	5+8
	65	F	445	600	6 ₃	
	66	F	455	610	6 ₃	
	67	F	505	630	6 ₃	6+9
	68	F	415	520	5 ₃	
	69	F	485	610	6 ₃	
	70	F	455	550	4 ₃	6+9
	71	F	440	550	5 ₂	
	72	F	425	555	4 ₂	
	73	F	475	615	5 ₂	7+6
	74	F	505	630	6 ₃	
	75	F	500	640	5 ₃	
	76	M	445	580	6 ₃	7+6
	77	M	535	655	6 ₃	
	78	M	530	675	6 ₃	
	79	M	535	665	5 ₃	7+6
	80	M	540	690	6 ₂	
	81	M	530	675	6 ₃	
	82	M	455	600	5 ₃	7+6
	83	M	375	520	5 ₃	
	84	M	500	670	6 ₃	
85	M	485	655	6 ₃	7+6	
86	M	490	640	5 ₃		
87	M	550	690	5 ₂		
88	M	430	645	5 ₂	7+6	
89	M	485	625	6 ₃		
90	M	415	565	5 ₃		
91	M	520	660	5 ₃	7+6	
92	M	505	680	6 ₂		
93	M	520	645	6 ₃		
94	M	545	675	5 ₃	7+6	
95	M	510	670	5 ₂		
96	M	540	710	6 ₃		

Table VI (continued)

Biological information obtained from Sockeye samples collected at Bowser Lake, 1990.

Date	Sample #	Sex	Hypural Length (mm)	Nose/Fork Length (mm)	Age	Circuli Counts
Sept 12	97	M	470	610	5 ₃	
	98	M	515	675	5 ₃	
	99	M	545	700	6 ₃	
	100	M	515	690	5 ₃	
	101	F	350	490	5 ₂	4+7
	102	F	440	585	6 ₃	
	103	F	460	640	6 ₃	
	104	F	500	645	6 ₃	
	105	F	495	625	6 ₃	
	106	M	495	640	6 ₃	
	107	F	440	555	5 ₃	
	108	F	315	410	3 ₂	
	109	M	495	670	6 ₃	
	110	F	500	640	5 ₃	
	111	F	490	630	6 ₂	
	112	F	400	510	4 ₃	
	113	F	470	630	5 ₂	
	114	F	465	630	6 ₂	
	115	F	405	535	5 ₃	7+6
	116	F	435	520	5 ₃	6+9
	117	F	470	625	5 ₃	
	118	F	500	645	5 ₂	
	119	F	445	580	6 ₂	
	120	F	420	560	5 ₃	
	121	F	445	570	6 ₂	
	122	F	485	655	5 ₃	
	123	F	490	635	6 ₂	
	124	F	505	645	5 ₂	
	125	F	510	645	5 ₃	
	126	F	470	640	6 ₃	
	127	F	440	570	5 ₃	5+8
	128	F	470	620	6 ₃	
	129	F	410	520	4 ₂	
	130	F	415	530	5 ₂	6+8
	131	F	485	635	6 ₃	
	132	F	450	550	5 ₃	5+6
	133	F	475	600	6 ₃	
	134	F	510	655	6 ₃	
	135	F	500	635	6 ₃	
	136	F	495	640	6 ₃	
	137	F	500	645	5 ₃	
	138	F	505	625	6 ₂	
	139	F	455	545	4 ₃	
	140	F	505	610	6 ₂	
141	F	535	685	5 ₃		
142	F	420	545	5 ₂	8+6	
143	F	495	625	5 ₃		
144	M	440	575	5 ₂		

Table VI (continued)

Biological information obtained from Sockeye samples collected at Bowser Lake, 1990.

Date	Sample #	Sex	Hypural Length (mm)	Nose/Fork Length (mm)	Age	Circuli Counts
Sept 12	145	M	505	650	6 ₃	
	146	M	560	745	6 ₃	
	147	M	535	700	6 ₃	
	148	M	500	665	6 ₃	
	149	M	415	560	5 ₃	
	150	M	515	675	5 ₃	
	151	M	500	655	5 ₂	
	152	M	485	650	6 ₃	
	153	M	490	615	5 ₂	
	154	M	455	585	RG	
	155	M	505	670	4 ₂	
	156	M	450	565	6 ₃	
	157	M	530	700	4 ₂	
	158	M	555	715	6 ₃	
	159	M	540	690	6 ₃	
	160	M	500	650	5 ₃	
	161	M	530	680	5 ₂	
	162	M	505	690	5 ₂	
	163	M	460	580	5 ₂	6+7
	164	M	535	730	6 ₃	
	165	M	445	580	5 ₃	8+7
	166	M	445	565	5 ₃	6+8
	167	M	540	720	6 ₃	
	168	M	520	670	6 ₃	
	169	M	520	700	5 ₃	
	170	M	540	710	5 ₂	
	171	M	510	655	6 ₃	
	172	M	490	615	5 ₃	6+6
	173	M	530	680	5 ₃	
	174	M	460	585	5 ₂	5+7
	175	M	450	595	5 ₃	5+7
	176	M	390	515	4 ₃	
	177	M	450	630	5 ₂	
	178	M	500	630	5 ₂	
	179	M	455	595	6 ₃	6+8
	180	M	545	705	5 ₃	
	181	M	390	485	5 ₂	
	182	M	430	550	4 ₂	9+8
	183	M	410	520	5 ₃	5+7
	184	M	465	610	5 ₃	
	185	M	425	535	5 ₃	5+9
	186	M	425	560	5 ₃	
	187	M	520	670	5 ₃	
	188	M	450	600	6 ₃	
	189	M	525	670	5 ₃	
	190	M	530	680	5 ₂	
	191	M	505	650	6 ₃	
	192	M	510	650	6 ₃	

Table VI (continued)

Biological information obtained from Sockeye samples collected at Bowser Lake, 1990.

Date	Sample #	Sex	Hypural Length (mm)	Nose/Fork Length (mm)	Age	Circuli Counts
Sept 12	193	M	505	650	6 ₃	
	194	M	455	595	5 ₃	
	195	M	540	705	5 ₂	
	196	M	500	625	6 ₃	
	197	M	435	555	5 ₃	
	198	M	500	690	6 ₃	
	199	M	440	575	5 ₃	
	200	M	530	685	5 ₂	
	201	M	390	500	5 ₃	
	202	M	485	610	6 ₃	
	203	M	510	660	6 ₃	
	204	M	535	700	5 ₃	
	205	M	540	695	6 ₃	
	206	M	525	695	5 ₂	
	207	M	550	710	5 ₂	
	208	M	490	615	6 ₃	
	209	M	480	615	5 ₂	
	210	M	470	640	6 ₃	
	211	M	525	675	6 ₃	
	212	M	520	660	5 ₂	
213	M	525	685	5 ₂		
214	M	545	700	5 ₂		
215	M	520	655	W ²		
216	M	375	470	4 ₂		
217	M	505	685	6 ₃		
218	M	520	685	6 ₃		

Table VII

Biological information obtained from Sockeye samples collected at Damdochax Lake, 1990.

Date	Sample #	Sex	Hypural Length (mm)	Nose/Fork Length (mm)	Age	Circuli Counts
Sept. 13	1	F	470	580	5 ₂	
	2	F	505	630	6 ₃	
	3	F	450	570	6 ₃	
	4	F	505	640	5 ₂	
	5	F	530	650	5 ₂	
	6	F	475	605	5 ₂	
	7	F	455	575	5 ₃	
	8	F	450	555	5 ₃	8+10
	9	F	500	630	5 ₂	
	10	F	415	530	5 ₂	8+7
	11	F	465	575	5 ₃	
	12	F	485	600	5 ₂	
	13	F	470	580	5 ₂	
	14	F	490	615	5 ₂	
	15	F	425	540	4 ₂	
	16	F	435	555	5 ₂	8+9
	17	F	480	590	5 ₃	
	18	F	510	635	5 ₂	
	19	F	490	610	5 ₂	
	20	F	500	630	5 ₂	
	21	F	500	630	5 ₂	
	22	F	480	610	5 ₂	
	23	F	500	610	5 ₂	
	24	F	500	620	5 ₂	
	25	F	510	635	5 ₂	
	26	M	530	695	5 ₂	
	27	M	505	660	5 ₂	
	28	M	510	655	5 ₂	
	29	M	495	625	5 ₂	
	30	M	530	685	5 ₂	
	31	M	550	725	5 ₂	
	32	M	490	655	5 ₂	
	33	M	510	685	5 ₂	
	34	M	510	690	5 ₂	
	35	M	555	725	5 ₂	
	36	M	530	690	5 ₂	
	37	M	495	675	5 ₂	
	38	M	535	705	5 ₂	
	39	M	520	675	5 ₂	
	40	M	565	690	5 ₂	
	41	M	545	700	5 ₂	
	42	M	520	685	5 ₂	
	43	M	515	670	6 ₃	
	44	M	535	690	5 ₂	
	45	M	530	705	5 ₂	
	46	M	495	640	5 ₂	
	47	M	500	635	5 ₂	
	48	F	540	675	5 ₂	

Table VII (continued)

Biological information obtained from Sockeye samples collected at Damdochax Lake, 1990.

Date	Sample #	Sex	Hypural Length (mm)	Nose/Fork Length (mm)	Age	Circuli Counts
Sept 13	49	F	510	650	5	2
	50	M	550	690	5	2
	51	F	490	605	5	2
	52	F	495	605	5	2
	53	F	505	635	5	2
	54	F	435	535	5	3
	55	F	390	490	4	3
	56	F	490	620	5	2
	57	F	475	595	6	3
	58	F	490	605	5	2
	59	F	495	630	5	2
	60	F	500	625	5	2
	61	F	480	605	5	2
	62	F	505	635	5	2
	63	F	485	615	5	2
	64	F	475	595	5	2
	65	F	510	630	5	2
	66	F	535	665	5	2
	67	F	510	630	5	2
	68	F	500	630	5	2
	69	F	490	605	5	2
	70	F	475	590	5	2
	71	F	445	550	4	2
	72	F	470	595	5	2
	73	F	500	635	5	2
	74	F	405	500	5	2
	75	F	395	505	5	3
	76	M	525	675	5	2
	77	M	520	670	5	2
	78	M	530	700	5	2
	79	M	540	695	5	2
	80	M	525	690	5	2
	81	M	515	675	5	2
	82	M	470	625	5	2
	83	M	490	650	5	2
	84	M	530	705	5	2
85	M	530	690	5	2	
86	M	530	700	5	2	
87	M	565	725	5	2	
88	M	500	640	6	3	
89	M	510	675	5	3	
90	M	525	675	5	2	
91	M	495	635	5	2	
92	M	540	700	5	2	
93	M	515	685	5	2	
94	F	450	570	5	2	
95	F	505	620	5	2	
96	F	520	665	5	2	

Table VII (continued)

Biological information obtained from Sockeye samples collected at Damdochax Lake, 1990.

Date	Sample #	Sex	Hypural Length (mm)	Nose/Fork Length (mm)	Age	Circuli Counts
Sept 13	97	F	435	555	4	2
	98	F	495	620	5	2
	99	F	515	635	5	2
	100	F	485	615	5	2

Table VIII

Age composition information for sockeye sampled from
Meziadin Fishway by day and sex.

Date	Sex	³ ₁		⁴ ₂		⁵ ₂		⁵ ₃		⁶ ₃		Total
		#	%	#	%	#	%	#	%	#	%	
												0
July 17	M	0		2	18.2	2	18.2	5	45.5	2	18.2	11
	F	0			0.0	3	42.9	3	42.9	1	14.3	7
July 18	M	0		2	15.4	5	38.5	5	38.5	1	7.7	13
	F	0		4	23.5	3	17.6	8	47.1	2	11.8	17
July 19	M	0		2	10.0	3	15.0	12	60.0	3	15.0	20
	F	0		7	25.0	4	14.3	13	46.4	4	14.3	28
July 20	M	0		3	21.4	2	14.3	6	42.9	3	21.4	14
	F	0		4	11.1	3	8.3	21	58.3	8	22.2	36
July 21	M	0		6	30.0		0.0	13	65.0	1	5.0	20
	F	0		10	34.5		0.0	19	65.5		0.0	29
July 22	M	0		2	16.7	2	16.7	7	58.3	1	8.3	12
	F	0		8	22.2		0.0	22	61.1	6	16.7	36
July 23	M	0		5	22.7	3	13.6	10	45.5	4	18.2	22
	F	0		3	12.0	2	8.0	20	80.0		0.0	25
July 24	M	0		1	16.7	1	16.7	3	50.0	1	16.7	6
	F	0		3	13.6	1	4.5	13	59.1	5	22.7	22
July 25	M	0		3	27.3	1	9.1	7	63.6		0.0	11
	F	0			0.0	1	5.6	17	94.4		0.0	18
July 26	M	0		1	14.3	2	28.6	4	57.1		0.0	7
	F	0		2	11.1	2	11.1	12	66.7	2	11.1	18
July 27	M	0			0.0		0.0	10	100		0.0	10
	F	0		3	23.1		0.0	8	61.5	2	15.4	13

Table VIII (continued)

Age composition information for sockeye sampled from
Meziadin Fishway by day and sex.

Date	Sex	3 ₁		4 ₂		5 ₂		5 ₃		6 ₃		Total
		#	%	#	%	#	%	#	%	#	%	
July 28	M	0		4	33.3	2	16.7	5	41.7	1	8.3	12
	F	0		2	16.7	1	8.3	8	66.7	1	8.3	12
July 29	M	0		2	22.2		0.0	7	77.8		0.0	9
	F	0		5	35.7		0.0	8	57.1	1	7.1	14
July 30	M	0		3	33.3		0.0	4	44.4	2	22.2	9
	F	0			0.0		0.0	11	84.6	2	15.4	13
July 31	M	0		1	12.5		0.0	4	50.0	3	37.5	8
	F	0		6	40.0		0.0	8	53.3	1	6.7	15
Aug 1	M	0		1	14.3	1	14.3	4	57.1	1	14.3	7
	F	0		4	26.7	2	13.3	8	53.3	1	6.7	15
Aug 2	M	0			0.0		0.0	5	100		0.0	5
	F	0		4	21.1	1	5.3	10	52.6	4	21.1	19
Aug 3	M	0			0.0	1	14.3	6	85.7		0.0	7
	F	0		3	18.8	1	6.3	8	50.0	4	25.0	16
Aug 4	M	0		1	12.5	1	12.5	6	75.0		0.0	8
	F	0		3	21.4	3	21.4	8	57.1		0.0	14
Aug 5	M	0		2	40.0	1	20.0	2	40.0		0.0	5
	F	0		5	31.3		0.0	9	56.3	2	12.5	16
Aug 6	M	0		6	50.0		0.0	5	41.7	1	8.3	12
	F	0		3	25.0		0.0	9	75.0		0.0	12

Table VIII (continued)

Age composition information for sockeye sampled from
Meziadin Fishway by day and sex.

Date	Sex	³ ₁		⁴ ₂		⁵ ₂		⁵ ₃		⁶ ₃		Total
		#	%	#	%	#	%	#	%	#	%	
Aug 7	M	0		2	22.2		0.0	6	66.7	1	11.1	9
	F	0		2	15.4		0.0	11	84.6		0.0	13
Aug 8	M	0		2	40.0		0.0	3	60.0		0.0	5
	F	0		1	6.7	2	13.3	10	66.7	2	13.3	15
Aug 9	M	0		2	28.6		0.0	4	57.1	1	14.3	7
	F	0		2	14.3	3	21.4	8	57.1	1	7.1	14
Aug 10	M	0			0.0	2	40.0	3	60.0		0.0	5
	F	0		2	11.1	4	22.2	10	55.6	2	11.1	18
Aug 11	M	0		4	40.0	1	10.0	4	40.0	1	10.0	10
	F	0		5	33.3	1	6.7	8	53.3	1	6.7	15
Aug 12	M	0		2	22.2	1	11.1	4	44.4	2	22.2	9
	F	0		1	7.1	2	14.3	10	71.4	1	7.1	14
Aug 13	M	0			0.0		0.0		0.0	1	100	1
	F	0		3	42.9		0.0	4	57.1		0.0	7
Aug 14	M	0			0.0	1	16.7	4	66.7	1	16.7	6
	F	0		5	31.0	3	18.8	7	43.8	1	6.3	16
Aug 15	M	0		1	50.0	1	50.0		0.0		0.0	2
	F	0		1	16.7	1	16.7	1	16.7	3	50.0	6
Aug 16	M	0			0.0		0.0	2	100		0.0	2
	F	0		1	25.0		0.0	3	75.0		0.0	4

Table VIII (continued)

Age composition information for sockeye sampled from
Meziadin Fishway by day and sex.

Date	Sex	3 ₁		4 ₂		5 ₂		5 ₃		6 ₃		Total
		#	%	#	%	#	%	#	%	#	%	
Aug 17	M		0	2	50.0		0.0	2	50.0		0.0	4
	F		0	1	20.0		0.0	2	40.0	2	40.0	5
Aug 18	M		0	2	18.2	1	9.1	8	72.7		0.0	11
	F		0		0.0	1	8.3	10	83.3	1	8.3	12
Aug 19	M		0	1	9.1	1	9.1	6	54.5	3	27.3	11
	F		0	2	14.3		0.0	9	64.3	3	21.4	14
Aug 20	M		0	3	33.3	1	11.1	3	33.3	2	22.2	9
	F		0	1	7.1	2	14.3	9	64.3	2	14.3	14
Aug 21	M		0	2	18.2	3	27.3	3	27.3	3	27.3	11
	F		0	3	21.4	2	14.3	7	50.0	2	14.3	14
Aug 22	M		0	2	28.6		0.0	5	71.4		0.0	7
	F		0	2	11.1	1	5.6	10	55.6	5	27.8	18
Aug 23	M		0	2	40.0	1	20.0	2	40.0		0.0	5
	F		0	6	35.3	2	11.8	7	41.2	2	11.8	17
Aug 24	M		0	3	30.0	1	10.0	4	40.0	2	20.0	10
	F		0	1	12.5		0.0	6	75.0	1	12.5	8
Aug 25	M		0	1	10.0	1	10.0	7	70.0	1	10.0	10
	F		0	3	16.7		0.0	13	72.2	2	11.1	18
Aug 26	M		0		0.0	1	16.7	3	50.0	2	33.3	6
	F	1	6	4	22.2	1	5.6	12	66.7		0.0	18

Table VIII (continued)

Age composition information for sockeye sampled from
Meziadin Fishway by day and sex.

Date	Sex	3 ₁		4 ₂		5 ₂		5 ₃		6 ₃		Total
		#	%	#	%	#	%	#	%	#	%	
Aug 27	M	0	0.0	1	11.1	5	55.6	3	33.3			9
	F	0		4	28.6	2	14.3	6	42.9	2	14.3	14
Aug 28	M	0		2	33.3		0.0	2	33.3	2	33.3	6
	F	0		5	31.3	3	18.8	6	37.5	2	12.5	16
Aug 29	M	0		1	16.7		0.0	3	50.0	2	33.3	6
	F	0		4	30.8	2	15.4	6	46.2	1	7.7	13
Aug 30	M	0			0.0		0.0	3	60.0	2	40.0	5
	F	0		3	21.4	2	14.3	7	50.0	2	14.3	14
Aug 31	M	0			0.0		0.0	3	60.0	2	40.0	5
	F	0		2	11.1	1	5.6	12	66.7	3	16.7	18
Sept 1	M	0		1	33.3		0.0	2	66.7		0.0	3
	F	0		3	15.0	2	10.0	13	65.0	2	10.0	20
Sept 2	M	0		1	16.7	1	16.7	3	50.0	1	16.7	6
	F	0		2	11.8		0.0	12	70.6	3	17.6	17
Sept 3	M	0			0.0		0.0		0.0	1	100	1
	F	0		3	13.6	1	4.5	13	59.1	5	22.7	22
Sept 4	M	0			0.0		0.0	4	80.0	1	20.0	5
	F	0		1	6.3	1	6.3	10	62.5	4	25.0	16
Sept 5	M	0		1	14.3		0.0	4	57.1	2	28.6	7
	F	0		6	33.3		0.0	10	55.6	2	11.1	18

Table VIII (continued)

Age composition information for sockeye sampled from
Meziadin Fishway by day and sex.

Date	Sex	3 ₁		4 ₂		5 ₂		5 ₃		6 ₃		Total
		#	%	#	%	#	%	#	%	#	%	
Sept 6	M	0		0	0.0	1	14.3	4	57.1	2	28.6	7
	F	0		4	28.6	1	7.1	9	64.3		0.0	14
Sept 7	M	0		1	20.0		0.0	3	60.0	1	20.0	5
	F	0			0.0	2	28.6	5	71.4		0.0	7
=====												
Total	M		0	85	19.7	45	10.4	239	55.3	63	14.6	432
	F	1	0	162	19.2	69	8.2	509	60.3	103	12.2	844

Note: Any discrepancy in the percentages are due to rounding error.
Where the summary total indicates less than fourteen hundred fish sampled,
this is due to scale sample inadequacies resulting in the loss of
information.

Table IX

Average length information for sockeye salmon sampled at Meziadin
Fishway by day, sex and age.

Date	Sex	³ ₁		⁴ ₂		⁵ ₂		⁵ ₃		⁶ ₃	
		H.P.	N/F	H.P.	N/F	H.P.	N/F	H.P.	N/F	H.P.	N/F
July 17	M			495	610	520	640	480	590	528	655
	F					518	633	492	598	510	620
July 18	M			465	573	542	666	497	605	520	650
	F			466	554	507	613	478	575	543	660
July 19	M			495	610	573	710	485	597	558	682
	F			466	562	530	635	468	578	507	611
July 20	M			485	590	530	663	488	594	532	655
	F			461	555	531	650	481	582	530	646
July 21	M			467	582			500	595	580	730
	F			466	563			475	575		
July 22	M			490	598	528	650	496	610	535	650
	F			473	573			469	569	520	640
July 23	M			482	595	517	643	492	606	551	685
	F			453	545	507	628	483	587		
July 24	M			520	640	520	670	475	588	555	690
	F			482	582	520	640	468	571	518	631
July 25	M			465	570	565	715	502	603		
	F					540	670	471	578		
July 26	M			505	620	518	648	496	615	515	633
	F			465	565	520	645	468	569		
July 27	M							471	588		
	F			467	568			459	562	550	675

Table IX (continued)

Average length information for sockeye salmon sampled at Meziadin
Fishway by day, sex and age.

Date	Sex	³ ₁		⁴ ₂		⁵ ₂		⁵ ₃		⁶ ₃	
		H.P.	N/F	H.P.	N/F	H.P.	N/F	H.P.	N/F	H.P.	N/F
July 28	M			480	583	530	655	483	593	540	675
	F			430	523	520	640	463	559	560	670
July 29	M			503	620			482	601		
	F			460	563			465	570	490	615
July 30	M			473	587			478	585	542	660
	F							459	556	493	600
July 31	M			480	590			486	592	545	665
	F			460	557			459	551	535	665
Aug 1	M			510	615	510	625	498	616	530	670
	F			449	551	548	673	461	563	515	620
Aug 2	M							475	585		
	F			448	551	560	695	458	558	514	628
Aug 3	M					530	650	495	612		
	F			445	550	500	600	489	598	536	651
Aug 4	M			505	610	545	675	493	603		
	F			438	525	492	605	477	584		
Aug 5	M			440	553	550	680	475	580		
	F			471	579			450	547	543	663
Aug 6	M			497	613			484	604	530	650
	F			440	537			458	552		

Table IX (continued)

Average length information for sockeye salmon sampled at Meziadin
Fishway by day, sex and age.

Date	Sex	3_1		4_2		5_2		5_3		6_3	
		H.P.	N/F	H.P.	N/F	H.P.	N/F	H.P.	N/F	H.P.	N/F
Aug 7	M			490	595			488	593	550	680
	F			463	558			461	555		
Aug 8	M			455	560			490	617		
	F			400	485	540	670	470	576	583	708
Aug 9	M			480	613			489	610	545	680
	F			438	530	541	652	478	587	550	670
Aug 10	M					575	703	510	628		
	F			475	575	509	620	474	578	563	685
Aug 11	M			485	591	555	680	516	621	585	715
	F			467	582	490	610	464	568	560	685
Aug 12	M			483	608	475	600	495	610	558	683
	F			440	560	545	668	477	579	560	680
Aug 13	M									550	700
	F			442	535			466	573		
Aug 14	M					535	675	500	621	550	670
	F			478	585	533	653	475	574	510	625
Aug 15	M			460	590	530	680				
	F			510	635	485	610	500	620	538	665
Aug 16	M							498	608		
	F			490	600			528	647		

Table IX (continued)

Average length information for sockeye salmon sampled at Meziadin Fishway by day, sex and age.

Date	Sex	³ ₁		⁴ ₂		⁵ ₂		⁵ ₃		⁶ ₃	
		H.P.	N/F	H.P.	N/F	H.P.	N/F	H.P.	N/F	H.P.	N/F
Aug 17	M			478	590			505	620		
	F			490	600			440	540	573	698
Aug 18	M			493	603	555	690	488	599		
	F					495	630	485	590	550	665
Aug 19	M			465	570	590	720	494	605	567	702
	F			470	577			489	592	503	623
Aug 20	M			463	562	560	695	493	597	573	705
	F			500	600	515	623	512	614	525	643
Aug 21	M			453	555	565	697	500	615	577	700
	F			482	577	523	640	460	559	555	665
Aug 22	M			490	603			494	601		
	F			488	583	520	640	491	600	563	683
Aug 23	M			488	593	570	700	483	588		
	F			469	567	555	670	491	593	545	658
Aug 24	M			467	572	570	705	511	631	585	723
	F			460	560			490	592	555	675
Aug 25	M			410	500	545	670	501	617	550	670
	F			442	530			488	587	570	700
Aug 26	M					565	705	505	618	563	695
	F	380	465	464	566	510	610	486	589		

Table IX (continued)

Average length information for sockeye salmon sampled at Meziadin
Fishway by day, sex and age.

Date	Sex	3 ₁		4 ₂		5 ₂		5 ₃		6 ₃	
		H.P.	N/F	H.P.	N/F	H.P.	N/F	H.P.	N/F	H.P.	N/F
Aug 27	M					595	745	480	595	577	707
	F			478	579	550	655	511	620	563	683
Aug 28	M			488	605	570	690	515	633	585	723
	F			433	525	532	647	488	594	558	670
Aug 29	M			470	575			510	622	575	705
	F			445	538	555	668	472	576	545	655
Aug 30	M							492	607	513	630
	F			465	563	518	630	501	606	525	635
Aug 31	M							475	582	595	730
	F			440	530	530	640	488	590	552	663
Sept 1	M			510	620			523	638		
	F			477	573	518	620	496	600	558	690
Sept 2	M			490	620	555	670	492	603	570	700
	F			445	540			483	582	542	660
Sept 3	M									545	670
	F			473	568	530	655	484	586	538	654
Sept 4	M							499	609	580	720
	F			440	525	550	650	491	592	553	671
Sept 5	M			490	600			506	623	560	690
	F			478	577			497	600	538	645

Table IX (continued)

Average length information for sockeye salmon sampled at Meziadin
Fishway by day, sex and age.

Date	Sex	³ ₁		⁴ ₂		⁵ ₂		⁵ ₃		⁶ ₃	
		H.P.	N/F	H.P.	N/F	H.P.	N/F	H.P.	N/F	H.P.	N/F
Sept 6	M					520	635	518	643	560	698
	F			481	581	465	570	504	607		
Sept 7	M			505	625			510	627	560	690
	F					505	610	494	597		
=====											
Average	M			480	591	547	677	494	607	554	684
	F	380	465	452	559	521	637	479	582	539	657

Note: H.P. indicates the hypural to post-orbital length in millimeters.
N/F indicates the nose fork length in millimeters.

Table X

Average length by age and sex of sockeye sampled from Bonnie Creek, Damdochax and Bowser Lake's, in 1990.

Date	Sex	3 ₂		4 ₂		5 ₂		5 ₃		6 ₃	
		H.P.	N/F	H.P.	N/F	H.P.	N/F	H.P.	N/F	H.P.	N/F
Bonnie Creek											
Sept 11	M			425	555	495	646			500	670
	F			425	530	488	609	460	575		
Bowser Lake											
Sept 12	M			416	547	510	665	436	573	514	670
	F	315	410	429	536	495	635	424	537	484	624
Damdochax Lake											
Sept 13	M					522	681			508	655
	F			424	534	493	616	431	543	477	598

Note: H.P. indicates the hypural to post-orbital length in millimeters.

N/F indicates the nose fork length in millimeters.

Table XI

Age composition information for sockeye salmon from Bonnie Creek
Damdochax and Bowser Lake's in 1990.

Date	Sex	³ ₂		⁴ ₂		⁵ ₂		⁵ ₃		⁶ ₃		Total
		#	%	#	%	#	%	#	%	#	%	
Bonnie Creek												
Sept 11	M			2	3.8	50	94.3			1	1.9	53
	F			5	12.2	36	87.8					41
Bowser Lake												
Sept 12	M			11	7.7	40	28	30	21	62	43.3	143
	F	1	1.6	5	7.7	14	21.5	13	20	32	49.2	65
Damdochax Lake												
Sept 13	M					39	95.1			2	4.9	41
	F			4	6.7	46	78	6	10.2	3	5.1	59

Note: Any discrepancy in the percentages are due to rounding error.

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