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CHAKACHAMNA HYDROELECTRIC PROJECT INTERIM FEASIBILITY ASSESSMENT REPORT

VOLUME III

ENVIRONMENTAL APPENDIXES A1 - A5

UNIVERSITY OF ALASKA
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BECHTEL CIVIL & MINERALS INC.

ENGINEERS - CONSTRUCTORS



MARCH 1983

ALASKA POWER AUTHORITY

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APPENDIX A

A1. Hydrologic Data

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SITE C

Fish collected are listed by method and sampling location. Locations of the sampling stations are as follows:

Station Number	Location	Map Coordinate
1	Confluence of Chakachatna River with McArthur River	R. 14 W., T. 10 N.
1D	McArthur River	R. 14 W., T. 10 N.
2	Lower Chakachatna River	R. 14 W., T. 11 N.
3	Lower Chakachatna River	R. 14 W., T. 11 N.
4	Upper Middle River	R. 14 W., T. 11 N.
5	Lower Middle River	R. 13 W., T. 11 N.
6	Chakachatna River above Middle River	R. 14 W., T. 11 N.
6A	Chakachatna River above Middle River	R. 14 W., T. 11 N.
8	Upper Nouakta Slough	R. 14 W., T. 11 N.
9	Lower Nouakta Slough	R. 14 W., T. 11 N.
10	West Nouakta Slough	R. 15 W., T. 11 N.
11	Lower McArthur River	R. 14 W., T. 10 N.
12	McArthur River above Noauakta Slough	R. 15 W., T. 11 N.
13	Upper McArthur River	R. 16 W., T. 11 N.
14	Lower McArthur Canyon	R. 16 W., T. 12 N.
15	McArthur Canyon	R. 17 W., T. 12 N.
16	Upper Noauakta Slough	R. 14 W., T. 12 N.
16A	Upper Noauakta Slough	R. 14 W., T. 11 N.
17	Chakachatna River at DNR Bridge	R. 14 W., T. 12 N.
17D	Chakachatna River Below 17	R. 14 W., T. 12 N.
18	Straight Creek	R. 15 W., T. 12 N.
19	Clearwater tributary to Straight Creek	R. 14 W., T. 12 N.
19A	Clearwater tributary to Straight Creek	R. 14 W., T. 12 N.
20	Chakachatna River across from Straight Creek	R. 15 W., T. 12 N.
21	Chakachatna River across from Straight Creek	R. 15 W., T. 12 N.
22	Chakachatna River at base of canyon	R. 15 W., T. 13 N.
23	Chakachatna River in canyon	R. 15 W., T. 13 N.
24	Chakachatna River in canyon	R. 16 W., T. 13 N.
25	Chakachamna Lake	R. 17 W., T. 13 N.
26	Nagishlamina River delta	R. 18 W., T. 13 N.
27	Chakachamna Lake N. Side	R. 18 W., T. 13 N.
28	Chakachamna Lake S. Side	R. 18 W., T. 13 N.
29	Kenibuna Lake outlet	R. 20 W., T. 13 N.
30	Chilligan River	R. 20 W., T. 13 N.
31	Neacola River	R. 21 W., T. 12 N.
32	Igitna River	R. 21 W., T. 12 N.
33	Another River	R. 21 W., T. 13 N.
Streams	12.1 through 12.4, 13X	R. 15 W., T. 11 N.
Streams	12.1 through 12.4	R. 15 W., T. 12 N.
Stream	12.5	R. 14 W., T. 11 N.
Stream	13U	R. 15 W., T. 11 N.
Stream	13U	R. 16 W., T. 11 N.



DISCHARGE CALCULATIONS
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: C CHAKACHATNA RIVER
Transect 1 of 1

Transect number: 1
Water surface elevation on 10/3/82: 86.07 ft

X (ft)	Y (ft)	DEPTH (ft)	VELOCITY (fps)	AREA (sq ft)	DISCHARGE (cfs)
25.00	86.07	0.00	0.00	0.00	0.00
36.00	83.47	2.60	0.05	27.30	1.36
46.00	80.37	5.70	-0.15	57.00	-8.55
56.00	77.87	8.20	-0.12	82.00	-9.84
66.00	75.67	10.40	0.08	104.00	8.32
76.00	72.97	13.10	0.25	131.00	32.75
86.00	70.57	15.50	0.60	155.00	93.00
96.00	69.17	16.90	0.70	169.00	118.30
106.00	67.47	18.60	0.75	186.00	139.50
116.00	71.07	15.00	0.80	150.00	120.00
126.00	71.97	14.10	1.15	141.00	162.15
136.00	70.57	15.50	1.15	155.00	178.25
146.00	68.77	17.30	1.15	173.00	198.95
156.00	66.87	19.20	1.20	192.00	230.40
166.00	64.67	21.40	1.20	214.00	256.80
176.00	62.67	23.40	1.20	234.00	280.80
186.00	62.87	23.20	1.15	232.00	266.80
196.00	63.77	22.30	1.15	223.00	256.45
206.00	63.43	22.64	1.00	226.40	226.40
216.00	64.67	21.40	0.80	214.00	171.20
226.00	66.37	19.70	0.55	147.75	81.26
231.00	67.57	18.50	0.90	46.25	41.63

THE TOTAL DISCHARGE IS 2845.9 CFS
THE CROSS-SECTIONAL AREA IS 3259.7 SQ FT
THE MEAN VELOCITY IS 0.87 FPS

THE KNOWN MANNING N IS 0.025
THE COMPUTED ENERGY SLOPE IS 5.430702E-06

HYDRAULIC PROPERTIES
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site Number: C
Transect 1 of 1

CHAKACHATNA RIVER

Transect Number: 1
Water surface elevation on 10/3/82: 86.07ft

ELEVATION	DEPTH	AREA	HYD. RADIUS	WET PERIM	DISCHARGE
62.67	0.00	0.00	0.00	0.00	0.00
63.38	0.71	8.81	0.46	19.32	0.77
64.09	1.42	32.61	0.76	42.66	4.05
64.80	2.13	66.02	1.28	51.71	11.54
65.51	2.84	105.13	1.77	59.25	22.88
66.22	3.55	149.49	2.24	66.80	37.98
66.93	4.26	198.85	2.71	73.44	57.36
67.64	4.97	252.95	3.10	81.58	79.86
68.35	5.68	313.67	3.39	92.43	105.17
69.06	6.39	381.42	3.69	103.36	135.24
69.77	7.10	456.55	3.96	115.17	169.80
70.48	7.81	539.47	4.24	127.11	209.98
71.19	8.52	630.00	4.53	139.20	255.94
71.90	9.23	730.41	4.68	156.00	303.53
72.61	9.94	838.35	5.21	160.99	373.98
73.32	10.65	948.41	5.76	164.59	452.62
74.03	11.36	1060.37	6.31	168.02	537.68
74.74	12.07	1174.19	6.85	171.46	628.74
75.45	12.78	1289.89	7.38	174.89	725.69
76.16	13.49	1407.56	7.88	178.73	827.28
76.87	14.20	1527.51	8.36	182.74	934.14
77.58	14.91	1649.74	8.83	186.76	1046.75
78.29	15.62	1774.23	9.31	190.55	1165.95
79.00	16.33	1900.75	9.79	194.19	1291.41
79.71	17.04	2029.30	10.26	197.83	1422.51
80.43	17.76	2159.86	10.72	201.42	1559.45
81.14	18.47	2292.21	11.21	204.53	1704.46
81.85	19.18	2426.20	11.68	207.64	1854.98
82.56	19.89	2561.81	12.16	210.75	2010.97
83.27	20.60	2699.06	12.62	213.86	2172.40
83.98	21.31	2838.06	13.05	217.46	2335.90
84.69	22.02	2979.17	13.46	221.26	2503.61
85.40	22.73	3122.42	13.87	225.05	2676.90
86.11	23.44	3267.81	14.28	228.80	2856.22
86.82	24.15	3414.93	14.74	231.63	3048.69
87.53	24.86	3563.47	15.20	234.46	3246.54
88.24	25.57	3713.43	15.65	237.28	3449.75
88.95	26.28	3864.81	16.10	240.11	3658.31
89.66	26.99	4017.60	16.54	242.93	3872.19
90.37	27.70	4171.82	16.98	245.76	4091.39
91.08	28.41	4327.45	17.41	248.59	4315.90
91.79	29.12	4484.49	17.84	251.39	4545.94
92.50	29.83	4642.63	18.32	253.43	4790.40
93.21	30.54	4801.57	18.80	255.47	5039.85
93.92	31.25	4961.30	19.27	257.51	5294.26
94.63	31.96	5121.83	19.73	259.54	5553.58
95.34	32.67	5283.16	20.20	261.58	5817.77
96.05	33.38	5445.29	20.66	263.62	6086.80
96.76	34.09	5608.22	21.11	265.66	6360.61
97.47	34.80	5771.93	21.56	267.69	6639.17

SITE 1

DISCHARGE CALCULATIONS
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 1 CHAKACHATNA RIVER
Transect 1 of 2

Transect number: 1
Water surface elevation on 10/12/82: 95.99 ft

X (ft)	Y (ft)	DEPTH (ft)	VELOCITY (fps)	AREA (sq Ft)	DISCHARGE (cfs)
7.90	95.95	0.04	0.00	0.04	0.00
10.00	94.65	1.34	0.20	2.75	0.55
12.00	93.25	2.74	2.05	5.48	11.23
14.00	93.45	2.54	2.80	5.08	14.22
16.00	93.60	2.39	2.45	4.78	11.71
18.00	93.75	2.24	3.40	4.48	15.23
20.00	93.55	2.44	2.70	4.38	13.18
22.00	93.65	2.34	2.80	4.68	13.10
24.00	93.85	2.14	3.40	4.28	14.55
26.00	93.45	2.54	2.85	5.08	14.48
28.00	93.40	2.59	2.15	5.18	11.14
30.00	93.95	2.04	2.20	4.08	8.98
32.00	93.75	2.24	1.90	4.48	8.51
34.00	94.15	1.84	1.30	3.68	4.78
36.00	94.65	1.34	0.50	2.68	1.34
38.00	94.95	1.04	0.50	3.12	1.56
42.00	94.85	1.14	0.02	4.56	0.09
46.00	95.45	0.54	0.00	1.89	0.00
49.00	95.95	0.04	0.00	0.10	0.00
51.00	95.95	0.04	0.00	0.10	0.00
54.00	95.85	0.14	0.00	0.35	0.00
56.00	95.65	0.34	0.20	1.02	0.20
60.00	95.65	0.34	0.15	1.48	0.22
64.70	95.91	0.08	0.00	0.64	0.00
75.90	96.50	0.00	0.00	0.00	0.00
125.00	96.44	0.00	0.00	0.00	0.00
151.50	96.07	0.00	0.00	0.00	0.00
157.80	95.82	0.17	0.50	0.71	0.35
159.80	95.97	0.02	0.00	0.03	0.00
161.20	95.87	0.12	0.00	0.25	0.00
164.00	95.92	0.07	0.00	0.32	0.00
170.40	96.05	0.00	0.00	0.00	0.00
182.50	96.13	0.00	0.00	0.00	0.00
195.00	95.93	0.06	0.00	0.43	0.00
197.00	95.73	0.26	0.35	0.52	0.18
199.00	95.38	0.61	1.00	1.22	1.22
201.00	95.33	0.66	1.50	1.32	1.98
203.00	95.28	0.71	1.80	1.42	2.56
205.00	95.23	0.76	1.80	1.52	2.74
207.00	95.18	0.81	1.55	1.62	2.51
209.00	95.18	0.81	1.85	1.62	3.00
211.00	95.18	0.81	1.80	1.62	2.92
213.00	95.08	0.91	1.65	1.82	3.00
215.00	95.13	0.86	1.95	1.72	3.35
217.00	95.13	0.86	1.50	1.72	2.58
219.00	95.33	0.66	2.00	1.32	2.64
221.00	95.28	0.71	2.10	1.42	2.98
223.00	95.33	0.66	1.95	1.32	2.57
225.00	95.33	0.66	1.65	1.32	2.18
227.00	95.38	0.61	1.65	1.22	2.01
229.00	95.38	0.61	1.50	1.16	1.74
230.80	96.02	0.00	0.00	0.00	0.00

THE TOTAL DISCHARGE IS 185.6 CFS
THE CROSS-SECTIONAL AREA IS 100.5 SQ FT
THE MEAN VELOCITY IS 1.85 FPS

THE KNOWN MANNING N IS 0.024
THE COMPUTED ENERGY SLOPE IS 3.018724E-03

HYDRAULIC PROPERTIES
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site Number: 1
Transect 1 of 2

CHAKACHATNA RIVER

Transect Number: 1
Water surface elevation on 10/12/82: 95.99 ft

ELEVATION	DEPTH	AREA	HYD. RADIUS	WET PERIM	DISCHARGE
93.25	0.00	0.00	0.00	0.00	0.00
93.37	0.12	0.08	0.06	1.37	0.04
93.48	0.23	0.44	0.08	5.34	0.27
93.60	0.35	1.25	0.13	9.63	1.01
93.72	0.47	2.69	0.18	15.27	2.66
93.83	0.58	4.71	0.24	19.72	5.69
93.95	0.70	7.13	0.32	22.39	10.45
94.07	0.82	9.74	0.42	23.20	17.15
94.18	0.93	12.43	0.52	23.97	25.20
94.30	1.05	15.20	0.62	24.65	34.59
94.42	1.17	18.05	0.71	25.33	45.21
94.53	1.28	20.97	0.81	26.02	57.01
94.65	1.40	23.96	0.90	26.70	69.99
94.76	1.51	27.04	0.98	27.70	83.56
94.88	1.63	30.26	1.00	30.18	95.20
95.00	1.75	34.01	0.99	34.39	105.98
95.11	1.86	38.01	1.01	37.47	120.49
95.23	1.98	43.01	0.87	49.47	123.05
95.35	2.10	49.27	0.78	62.84	131.58
95.46	2.21	57.00	0.82	69.17	157.31
95.58	2.33	65.04	0.91	71.12	192.44
95.70	2.45	73.53	0.94	78.40	221.23
95.81	2.56	82.84	0.99	83.99	257.76
95.93	2.68	93.24	0.93	99.76	279.87
96.05	2.80	106.16	0.87	122.27	303.42
96.16	2.91	122.06	0.82	149.63	334.64
96.28	3.03	139.96	0.87	160.60	400.97
96.40	3.15	159.12	0.93	171.57	475.19
96.51	3.26	181.47	0.80	226.18	492.03
96.63	3.38	207.64	0.92	226.59	615.16
96.75	3.50	233.86	1.03	227.01	749.06
96.86	3.61	260.11	1.14	227.42	893.32
96.98	3.73	286.40	1.26	227.83	1047.57
97.10	3.85	312.74	1.37	228.24	1211.50
97.21	3.96	339.11	1.48	228.65	1384.85
97.33	4.08	365.52	1.60	229.06	1567.36
97.45	4.20	391.97	1.71	229.47	1758.82
97.56	4.31	418.46	1.82	229.89	1959.02
97.68	4.43	444.99	1.93	230.30	2167.77
97.79	4.54	471.56	2.04	230.71	2384.92
97.91	4.66	498.17	2.16	231.12	2610.30
98.03	4.78	524.82	2.27	231.53	2843.77
98.14	4.89	551.50	2.38	231.94	3085.20
98.26	5.01	578.23	2.49	232.36	3334.45
98.38	5.13	605.00	2.60	232.77	3591.42
98.49	5.24	631.81	2.71	233.35	3854.16
98.61	5.36	658.72	2.81	234.32	4120.13
98.73	5.48	685.73	2.91	235.31	4393.23
98.84	5.59	712.86	3.02	236.30	4673.61
98.96	5.71	740.08	3.12	237.29	4961.09

DISCHARGE CALCULATIONS
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 1
Transect 2 of 2

CHAKACHATNA RIVER

Transect number: 2
Water surface elevation on 10/12/82: 94.97 ft

X (ft)	Y (ft)	DEPTH (ft)	VELOCITY (fps)	AREA (sq ft)	DISCHARGE (cfs)
8.00	94.80	0.17	0.00	0.04	0.00
8.50	94.27	0.70	1.10	0.25	0.27
8.70	93.47	1.50	0.20	1.13	0.23
10.00	92.87	2.10	0.80	3.47	2.77
12.00	92.67	2.30	2.00	4.60	9.20
14.00	92.87	2.10	2.90	4.20	12.18
16.00	92.97	2.00	2.60	4.00	10.40
18.00	92.97	2.00	2.50	4.00	10.00
20.00	92.77	2.20	2.30	4.40	10.12
22.00	93.17	1.80	2.70	3.60	9.72
24.00	92.97	2.00	2.50	4.00	10.00
26.00	92.77	2.20	1.70	4.40	7.48
28.00	92.87	2.10	2.20	4.20	9.24
30.00	93.27	1.70	2.30	3.40	7.82
32.00	93.32	1.65	2.50	3.30	8.25
34.00	93.07	1.90	2.10	3.80	7.98
36.00	92.77	2.20	2.15	4.40	9.46
38.00	92.87	2.10	2.00	4.20	8.40
40.00	92.87	2.10	2.05	4.20	8.61
42.00	92.77	2.20	2.15	4.40	9.46
44.00	92.67	2.30	2.30	4.60	10.58
46.00	92.57	2.40	2.00	4.80	9.60
48.00	92.77	2.20	2.30	4.40	10.12
50.00	93.17	1.80	1.10	3.60	3.96
52.00	94.37	0.60	0.30	0.81	0.24
52.70	94.97	0.00	0.00	0.00	0.00

THE TOTAL DISCHARGE IS 186.1 CFS
THE CROSS-SECTIONAL AREA IS 88.2 SQ FT
THE MEAN VELOCITY IS 2.11 FPS

THE KNOWN MANNING N IS 0.026
THE COMPUTED ENERGY SLOPE IS 5.508986E-04

HYDRAULIC PROPERTIES
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site Number: 1
Transect 2 of 2

CHAKACHATNA RIVER

Transect Number: 2
Water surface elevation on 10/12/82: 94.97 ft

ELEVATION	DEPTH	AREA	HYD. RADIUS	WET PERIM	DISCHARGE
92.57	0.00	0.00	3.12	0.00	0.00
92.70	0.13	0.28	0.06	4.75	0.06
92.84	0.27	1.54	0.10	16.16	0.43
92.97	0.40	4.69	0.15	30.34	1.81
93.11	0.54	9.07	0.26	35.04	4.94
93.24	0.67	14.02	0.36	38.51	9.59
93.38	0.81	19.44	0.46	41.85	15.65
93.51	0.94	25.06	0.59	42.37	23.68
93.65	1.08	30.72	0.72	42.78	33.05
93.78	1.21	36.41	0.84	43.18	43.60
93.92	1.35	42.14	0.97	43.58	55.28
94.05	1.48	47.90	1.09	43.98	68.03
94.19	1.62	53.70	1.21	44.38	81.80
94.32	1.75	59.53	1.33	44.80	96.54
94.46	1.89	65.41	1.45	45.21	112.25
94.59	2.02	71.33	1.56	45.60	128.93
94.73	2.16	77.28	1.68	45.99	146.52
94.86	2.29	83.27	1.80	46.37	165.04
94.99	2.42	89.29	1.91	46.73	184.46
95.13	2.56	95.35	2.03	47.08	204.74
95.26	2.69	101.43	2.14	47.44	225.84
95.40	2.83	107.54	2.25	47.79	247.74
95.53	2.96	113.69	2.36	48.14	270.44
95.67	3.10	119.86	2.47	48.50	293.91
95.80	3.23	126.06	2.58	48.85	318.15
95.94	3.37	132.29	2.69	49.20	343.13
96.07	3.50	138.55	2.80	49.56	368.86
96.21	3.64	144.84	2.90	49.91	395.31
96.34	3.77	151.16	3.01	50.27	422.49
96.48	3.91	157.52	3.11	50.62	450.37
96.61	4.04	163.90	3.22	50.97	478.95
96.75	4.18	170.31	3.32	51.33	508.23
96.88	4.31	176.75	3.42	51.68	538.19
97.02	4.44	183.21	3.52	52.04	568.83
97.15	4.58	189.71	3.62	52.39	600.14
97.28	4.71	196.24	3.72	52.74	632.11
97.42	4.85	202.80	3.82	53.10	664.74
97.55	4.98	209.39	3.92	53.45	698.02
97.69	5.12	216.01	4.01	53.81	731.95
97.82	5.25	222.66	4.11	54.16	766.52
97.96	5.39	229.33	4.21	54.51	801.73
98.09	5.52	236.04	4.30	54.87	837.57
98.23	5.66	242.78	4.40	55.22	874.04
98.36	5.79	249.54	4.49	55.57	911.13
98.50	5.93	256.34	4.58	55.93	948.84
98.63	6.06	263.17	4.68	56.28	987.14
98.77	6.20	270.04	4.75	56.62	1023.99
98.90	6.33	276.97	4.83	57.35	1061.53
99.04	6.47	283.99	4.82	58.90	1087.25
99.17	6.60	291.43	4.61	63.27	1082.27

SITE 3

TRANSECT DATA
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 3
Transect 1 of 3

CHAKACHATNA RIVER

Transect number: 1
Water surface elevation on 10/16/82: 96.38 ft

DISTANCE (ft)	ELEVATION (ft)	VELOCITY (fps)
0.0	99.53	b
4.0	97.71	b
20.3	97.47	b
43.3	97.68	b
45.0	98.86	b
69.7	96.42	b
83.4	95.37	b
119.8	96.06	b
123.2	94.98	b
157.0	93.73	b
173.1	93.38	b
181.2	96.34	b
183.7	98.93	b

b: No velocity data obtained at this location

DISCHARGE CALCULATIONS
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 3
Transect 2 of 3

CHAKACHATNA RIVER

Transect number: 2
Water surface elevation on 10/8/82: 96.75 ft

X (ft)	Y (ft)	DEPTH (ft)	VELOCITY (fps)	AREA (sq ft)	DISCHARGE (cfs)
69.80	96.75	0.00	0.00	0.00	0.00
71.30	95.85	0.90	0.20	2.30	0.46
74.90	94.15	2.60	0.60	6.50	3.90
76.30	94.35	2.40	0.75	7.68	5.76
81.30	94.35	2.40	1.15	12.00	13.80
86.30	94.20	2.55	2.30	12.75	29.33
91.30	94.05	2.70	2.10	13.50	28.35
96.30	94.35	2.40	2.10	12.00	25.20
101.30	94.65	2.10	2.60	10.50	27.30
106.30	94.65	2.10	2.70	10.50	28.35
111.30	94.95	1.80	2.15	9.00	19.35
116.30	94.75	2.00	2.45	10.00	24.50
121.30	94.75	2.00	2.20	10.00	22.00
126.30	95.05	1.70	2.30	8.50	19.55
131.30	95.15	1.60	2.50	8.00	20.00
136.30	95.35	1.40	2.25	7.00	15.75
141.30	95.45	1.30	2.40	5.85	14.04
145.30	94.95	1.80	2.40	5.04	12.10
146.90	94.55	2.20	2.10	6.60	13.86
151.30	94.95	1.80	1.80	8.46	15.23
156.30	94.85	1.90	1.10	7.60	8.36
159.30	95.55	1.20	0.60	8.22	4.93
170.00	96.70	0.05	0.00	0.27	0.00

THE TOTAL DISCHARGE IS 352.1 CFS
THE CROSS-SECTIONAL AREA IS 182.3 SQ FT
THE MEAN VELOCITY IS 1.93 FPS

THE KNOWN ENERGY SLOPE IS .00063
THE COMPUTED MANNING N IS 0.029

HYDRAULIC PROPERTIES
Chakachamná Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site Number: 3
Transect 2 of 3

CHAKACHATNA RIVER

Transect Number: 2
Water surface elevation on 10/8/82: 96.75ft

ELEVATION	DEPTH	AREA	HYD. RADIUS	WET PERIM	DISCHARGE
94.05	0.00	0.00	0.00	0.00	0.00
94.17	0.12	0.36	0.06	6.18	0.07
94.29	0.24	1.52	0.11	13.30	0.46
94.41	0.36	3.76	0.16	23.03	1.45
94.53	0.48	6.64	0.26	25.31	3.50
94.65	0.60	9.87	0.34	29.09	6.18
94.77	0.72	14.27	0.32	43.97	8.67
94.89	0.84	20.10	0.36	55.19	13.18
95.01	0.96	27.44	0.42	65.12	19.84
95.13	1.08	35.53	0.50	71.39	28.69
95.25	1.20	44.36	0.58	76.51	39.67
95.37	1.32	53.75	0.66	81.52	52.37
95.49	1.44	63.86	0.73	87.17	66.75
95.61	1.56	74.31	0.84	88.21	85.26
95.73	1.68	84.84	0.96	88.76	105.88
95.85	1.80	95.42	1.07	89.30	128.26
95.97	1.92	106.06	1.18	89.81	152.40
96.09	2.04	116.76	1.29	90.77	177.61
96.21	2.16	127.65	1.38	92.80	203.07
96.33	2.28	138.78	1.46	94.82	230.10
96.45	2.40	150.15	1.55	96.85	258.70
96.57	2.52	161.76	1.64	98.87	288.87
96.69	2.64	173.61	1.72	100.89	320.62
96.81	2.76	185.61	1.83	101.45	357.10
96.93	2.88	197.64	1.94	101.80	395.61
97.04	2.99	209.70	2.05	102.14	435.67
97.16	3.11	221.79	2.16	102.49	477.24
97.28	3.23	233.90	2.27	102.84	520.30
97.40	3.35	246.05	2.38	103.18	564.82
97.52	3.47	258.22	2.49	103.53	610.78
97.64	3.59	270.41	2.60	103.88	658.15
97.76	3.71	282.64	2.71	104.22	706.90
97.88	3.83	294.89	2.82	104.57	757.03
98.00	3.95	307.17	2.93	104.92	808.51
98.12	4.07	319.47	3.03	105.26	861.32
98.24	4.19	331.81	3.14	105.61	915.44
98.36	4.31	344.17	3.25	105.96	970.86
98.48	4.43	356.56	3.35	106.30	1027.56
98.60	4.55	368.98	3.46	106.65	1085.53
98.72	4.67	381.44	3.53	108.04	1137.49
98.84	4.79	394.27	3.51	112.39	1170.77
98.96	4.91	407.62	3.49	116.80	1206.24
99.08	5.03	421.49	3.48	121.21	1244.31
99.20	5.15	435.89	3.46	126.10	1281.66
99.32	5.27	451.03	3.38	133.26	1307.70
99.44	5.39	467.02	3.33	140.41	1338.40
99.56	5.51	483.87	3.28	147.56	1373.56
99.68	5.63	501.56	3.24	154.72	1412.99
99.80	5.75	520.11	3.21	161.87	1456.60
99.92	5.87	539.47	3.21	167.89	1510.87

TRANSECT DATA
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 3
Transect 3 of 3

CHAKACHATNA RIVER

Transect number: 3
Water surface elevation on 10/8/82: 96.91 ft

DISTANCE (ft)	ELEVATION (ft)	VELOCITY (fps)
0.0	101.25	b
2.7	100.97	b
4.6	98.15	b
13.3	97.43	b
17.5	97.43	b
25.0	97.28	b
30.8	98.12	b
36.0	99.96	b
36.3	97.84	b
38.0	96.93	b
63.6	95.97	b
73.3	95.19	b
91.8	95.03	b
104.1	95.41	b
113.9	94.63	b
128.5	93.73	b
134.2	93.92	b
136.6	95.03	b
137.4	96.89	b
140.4	100.44	b
143.7	101.14	b

b: No velocity data obtained at this location

SITE 4

TRANSECT DATA
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 4
Transect 1 of 3

CHAKACHATNA RIVER

Transect number: 1
Water surface elevation on 10/16/82: 95.09 ft

DISTANCE (ft)	ELEVATION (ft)	VELOCITY (fps)
0.0	99.53	b
5.4	96.25	b
8.9	95.09	b
13.2	93.17	b
21.2	94.72	b
32.6	94.20	b
40.6	94.98	b
50.3	95.08	b
59.9	99.69	b
66.1	96.60	b
69.0	95.37	b
104.1	96.26	b
123.7	95.56	b
128.7	98.74	b

b: No velocity data obtained at this location

DISCHARGE CALCULATIONS
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 4
Transect 2 of 3

CHAKACHATNA RIVER

Transect number: 2
Water surface elevation on 10/9/82: 95.43 ft

X (ft)	Y (ft)	DEPTH (ft)	VELOCITY (fps)	AREA (sq ft)	DISCHARGE (cfs)
8.70	95.43	0.00	0.00	0.00	0.00
10.00	95.03	0.40	0.40	0.66	0.26
12.00	94.43	1.00	1.05	2.00	2.10
14.00	94.63	0.80	1.35	1.60	2.16
16.00	94.53	0.90	1.70	1.80	3.06
18.00	94.53	0.90	1.90	1.80	3.42
20.00	94.63	0.80	1.85	1.60	2.96
22.00	94.73	0.70	1.65	1.40	2.31
24.00	94.73	0.70	1.40	1.40	1.96
26.00	94.73	0.70	1.65	1.40	2.31
28.00	94.78	0.65	1.45	1.30	1.89
30.00	94.83	0.60	1.35	1.20	1.62
32.00	94.83	0.60	1.05	1.20	1.26
34.00	94.83	0.60	1.10	1.20	1.32
36.00	94.93	0.50	1.50	1.00	1.50
38.00	95.23	0.20	1.25	0.40	0.50
40.00	95.23	0.20	1.55	0.40	0.62
42.00	95.13	0.30	1.75	0.60	1.05
44.00	95.03	0.40	1.35	0.80	1.08
46.00	94.98	0.45	1.40	0.90	1.26
48.00	95.08	0.35	1.30	0.70	0.91
50.00	95.23	0.20	0.60	0.54	0.32
53.40	95.43	0.00	0.00	0.00	0.00

THE TOTAL DISCHARGE IS 33.9 CFS
THE CROSS-SECTIONAL AREA IS 23.9 SQ FT
THE MEAN VELOCITY IS 1.42 FPS

THE KNOWN MANNING N IS 0.026
THE COMPUTED ENERGY SLOPE IS 1.416977E-03

HYDRAULIC PROPERTIES
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site Number: 4
Transect 2 of 3

CHAKACHATNA RIVER

Transect Number: 2
Water surface elevation on 10/9/82: 95.43ft

ELEVATION	DEPTH	AREA	HYD. RADIUS	WET PERIM	DISCHARGE
94.43	0.00	0.00	0.00	0.00	0.00
94.54	0.11	0.10	0.03	3.81	0.02
94.65	0.22	0.82	0.09	9.11	0.36
94.76	0.33	2.05	0.13	16.18	1.13
94.86	0.43	4.18	0.17	24.22	2.82
94.97	0.54	6.93	0.26	26.20	6.21
95.08	0.65	10.10	0.31	32.36	10.12
95.19	0.76	13.85	0.37	37.08	15.65
95.30	0.87	18.20	0.43	42.23	22.62
95.41	0.98	22.88	0.51	44.44	32.02
95.52	1.09	27.77	0.61	45.78	43.34
95.62	1.19	32.76	0.70	46.88	56.20
95.73	1.30	37.92	0.75	50.40	68.33
95.84	1.41	43.73	0.76	57.58	79.29
95.95	1.52	50.33	0.76	66.31	91.23
96.06	1.63	57.68	0.82	70.25	110.15
96.17	1.74	65.38	0.89	73.16	132.11
96.28	1.85	73.37	0.97	75.59	156.69
96.38	1.95	81.55	1.06	77.01	184.54
96.49	2.06	89.86	1.15	78.43	214.32
96.60	2.17	98.34	1.22	80.73	244.33
96.71	2.28	107.12	1.28	83.71	275.04
96.82	2.39	116.21	1.34	86.68	307.77
96.93	2.50	127.17	1.22	104.56	315.64
97.04	2.61	138.35	1.32	104.83	362.61
97.14	2.71	149.54	1.42	105.09	412.11
97.25	2.82	160.75	1.53	105.36	464.09
97.36	2.93	171.98	1.63	105.62	518.47
97.47	3.04	183.22	1.73	105.89	575.20
97.58	3.15	194.47	1.83	106.15	634.23
97.69	3.26	205.74	1.93	106.42	695.51
97.80	3.37	217.02	2.03	106.68	758.98
97.90	3.47	228.32	2.13	106.95	824.62
98.01	3.58	239.64	2.24	107.21	892.37
98.12	3.69	250.97	2.34	107.48	962.21
98.23	3.80	262.32	2.43	107.89	1033.16
98.34	3.91	273.72	2.52	108.49	1105.05
98.45	4.02	285.18	2.61	109.08	1178.94
98.56	4.13	296.70	2.71	109.62	1255.17
98.66	4.23	308.26	2.80	110.11	1333.86
98.77	4.34	319.87	2.89	110.59	1414.51
98.88	4.45	331.53	2.98	111.07	1497.10
98.99	4.56	343.23	3.07	111.64	1580.77
99.10	4.67	355.00	3.16	112.24	1666.19
99.21	4.78	366.82	3.25	112.83	1753.52
99.32	4.89	378.71	3.34	113.43	1842.76
99.42	4.99	390.65	3.42	114.16	1932.36
99.53	5.10	402.69	3.50	115.09	2021.65
99.64	5.21	414.83	3.58	116.02	2112.83
99.75	5.32	427.05	3.65	116.95	2205.80

TRANSECT DATA
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 4 CHAKACHATNA RIVER
Transect 3 of 3

Transect number: 3
Water surface elevation on 10/16/82: 95.33 ft

DISTANCE (ft)	ELEVATION (ft)	VELOCITY (fps)
0.0	99.81	b
5.6	95.32	b
10.8	94.27	b
16.2	94.34	b
29.4	94.80	b
47.5	95.17	b
55.6	95.34	b
73.9	95.72	b
79.4	97.18	b
93.9	96.46	b
105.1	99.99	b

b: No velocity data obtained at this location

THE UNIVERSITY OF CHICAGO

DISCHARGE CALCULATIONS
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 6
Transect 1 of 1

CHAKACHATNA RIVER

Transect number: 1
Water surface elevation on 10/8/82: 96.07 ft

X (ft)	Y (ft)	DEPTH (ft)	VELOCITY (fps)	AREA (sq ft)	DISCHARGE (cfs)
10.90	96.07	0.00	0.00	0.00	0.00
15.00	94.07	2.00	0.60	9.10	5.46
20.00	92.37	3.70	1.80	18.50	33.30
25.00	92.97	3.10	1.90	9.30	17.67
26.00	93.17	2.90	1.70	7.25	12.33
30.00	93.57	2.50	2.20	11.25	24.75
35.00	93.77	2.30	2.05	11.50	23.58
40.00	93.97	2.10	2.25	10.50	23.62
45.00	93.87	2.20	2.35	11.00	25.85
50.00	93.82	2.25	2.20	11.25	24.75
55.00	94.07	2.00	1.80	10.00	18.00
60.00	93.97	2.10	2.40	10.50	25.20
65.00	94.22	1.85	2.20	9.25	20.35
70.00	93.62	2.45	2.60	12.25	31.85
75.00	94.07	2.00	2.50	10.00	25.00
80.00	93.87	2.20	2.40	11.00	26.40
85.00	93.97	2.10	2.50	10.50	26.25
90.00	94.17	1.90	1.60	9.50	15.20
95.00	94.97	1.10	0.30	6.49	1.95
101.80	96.09	0.00	0.00	0.00	0.00

THE TOTAL DISCHARGE IS 381.5 CFS
THE CROSS-SECTIONAL AREA IS 189.1 SQ FT
THE MEAN VELOCITY IS 2.02 FPS

THE KNOWN ENERGY SLOPE IS 1.067711E-03
THE COMPUTED MANNING N IS 0.039

HYDRAULIC PROPERTIES
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site Number: 6
Transect 1 of 1

CHAKACHATNA RIVER

Transect Number: 1
Water surface elevation on 10/8/82: 96.07ft

ELEVATION	DEPTH	AREA	HYD. RADIUS	WET PERIM	DISCHARGE
92.37	0.00	0.00	0.00	0.00	0.00
92.52	0.15	0.13	0.07	1.75	0.03
92.67	0.30	0.52	0.15	3.51	0.18
92.83	0.46	1.18	0.22	5.26	0.54
92.98	0.61	2.10	0.30	6.98	1.17
93.13	0.76	3.23	0.39	8.23	2.16
93.28	0.91	4.58	0.46	10.05	3.38
93.44	1.07	6.23	0.52	12.06	5.00
93.59	1.22	8.19	0.57	14.35	7.01
93.74	1.37	10.80	0.51	21.03	8.63
93.89	1.52	14.85	0.39	37.85	9.91
94.05	1.68	22.71	0.35	64.93	14.04
94.20	1.83	33.53	0.45	75.34	24.34
94.35	1.98	45.12	0.58	77.24	39.26
94.50	2.13	56.92	0.72	78.55	57.16
94.66	2.29	68.90	0.86	79.86	77.74
94.81	2.44	81.08	1.00	81.18	100.86
94.96	2.59	93.45	1.13	82.49	126.43
95.11	2.74	106.01	1.27	83.78	154.41
95.27	2.90	118.76	1.40	85.06	184.70
95.42	3.05	131.70	1.53	86.35	217.26
95.57	3.20	144.83	1.65	87.63	252.04
95.72	3.35	158.14	1.78	88.92	289.02
95.88	3.51	171.65	1.90	90.21	328.16
96.03	3.66	185.34	2.03	91.49	369.44
96.18	3.81	199.25	2.14	93.26	411.51
96.33	3.96	213.45	2.24	95.33	454.84
96.49	4.12	227.97	2.34	97.41	500.33
96.64	4.27	242.76	2.46	98.66	550.86
96.79	4.42	257.67	2.59	99.47	605.11
96.94	4.57	272.70	2.72	100.27	661.49
97.10	4.73	287.84	2.85	101.08	719.97
97.25	4.88	303.09	2.97	101.89	780.53
97.40	5.03	318.46	3.10	102.70	843.15
97.55	5.18	333.94	3.23	103.50	907.82
97.71	5.34	349.54	3.35	104.31	974.52
97.86	5.49	365.25	3.47	105.12	1043.24
98.01	5.64	381.07	3.60	105.92	1113.96
98.16	5.79	397.01	3.72	106.73	1186.67
98.32	5.95	413.06	3.84	107.54	1261.35
98.47	6.10	429.23	3.96	108.34	1338.01
98.62	6.25	445.51	4.08	109.15	1416.63
98.77	6.40	461.90	4.20	109.96	1497.20
98.93	6.56	478.41	4.32	110.77	1579.72
99.08	6.71	495.03	4.44	111.57	1664.18
99.23	6.86	511.77	4.55	112.38	1750.57
99.38	7.01	528.62	4.67	113.19	1838.88
99.54	7.17	545.58	4.79	113.99	1929.12
99.69	7.32	562.66	4.90	114.80	2021.28
99.84	7.47	579.84	5.02	115.61	2115.30

SITE 13.5

TRANSECT DATA
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 13.5
Transect 1 of 4

MCARTHUR RIVER

Transect number: 1

Water surface elevation on 10/12/82: 90.47 ft

DISTANCE (ft)	ELEVATION (ft)	VELOCITY (fps)
0.0	94.73	b
4.0	92.84	b
6.6	90.98	b
16.2	90.47	b
26.6	89.48	b
36.8	89.30	b
45.5	90.28	b
57.3	89.69	b
69.3	88.85	b
76.5	88.50	b
91.9	88.96	b
101.9	89.41	b
116.4	90.00	b
130.7	90.03	b
145.0	89.99	b
157.4	90.43	b
173.0	90.55	b
185.7	92.59	b

b: No velocity data obtained at this location

DISCHARGE CALCULATIONS
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 13.5
Transect 2 of 4

MCARTHUR RIVER

Transect number: 2
Water surface elevation on 10/12/82: 90.72 ft

X (ft)	Y (ft)	DEPTH (ft)	VELOCITY (fps)	AREA (sq ft)	DISCHARGE (cfs)
19.50	90.72	0.00	0.00	0.00	0.00
24.00	89.72	1.00	1.60	3.75	6.00
27.00	89.52	1.20	2.40	3.60	8.64
30.00	89.62	1.10	1.85	4.40	8.14
35.00	90.02	0.70	2.75	3.50	9.63
40.00	90.02	0.70	1.90	3.50	6.65
45.00	89.82	0.90	2.60	4.50	11.70
50.00	89.52	1.20	2.70	6.00	16.20
55.00	89.57	1.15	3.10	5.75	17.83
60.00	89.62	1.10	2.55	5.50	14.03
65.00	89.87	0.85	2.80	4.25	11.90
70.00	89.92	0.80	1.55	4.00	6.20
75.00	89.62	1.10	2.45	5.50	13.48
80.00	90.17	0.55	2.20	2.75	6.05
85.00	89.52	1.20	2.75	6.00	16.50
90.00	89.02	1.70	2.55	8.50	21.68
95.00	88.02	2.70	2.70	13.50	36.45
100.00	88.22	2.50	2.85	12.50	35.63
105.00	89.07	1.65	2.50	8.25	20.63
110.00	90.02	0.70	0.10	2.28	0.23
111.50	90.50	0.22	0.10	0.46	0.05
114.20	90.56	0.16	0.00	0.22	0.00

THE TOTAL DISCHARGE IS 267.6 CFS
THE CROSS-SECTIONAL AREA IS 108.7 SQ FT
THE MEAN VELOCITY IS 2.46 FPS

THE KNOWN MANNING N IS 0.030
THE COMPUTED ENERGY SLOPE IS 2.05479E-03

HYDRAULIC PROPERTIES
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site Number: 13.5
Transect 2 of 4

MCARTHUR RIVER

Transect Number: 2
Water surface elevation on 10/12/82: 90.72ft

ELEVATION	DEPTH	AREA	HYD. RADIUS	WET PERIM	DISCHARGE
88.02	0.00	0.00	0.00	0.00	0.00
88.14	0.12	0.20	0.06	3.49	0.07
88.25	0.23	0.79	0.12	6.37	0.44
88.37	0.35	1.60	0.21	7.65	1.27
88.48	0.46	2.55	0.29	8.93	2.49
88.60	0.58	3.65	0.36	10.21	4.13
88.71	0.69	4.90	0.43	11.49	6.22
88.83	0.81	6.28	0.49	12.77	8.79
88.95	0.93	7.82	0.56	14.05	11.88
89.06	1.04	9.51	0.61	15.54	15.38
89.18	1.16	11.39	0.66	17.33	19.32
89.29	1.27	13.47	0.70	19.11	23.96
89.41	1.39	15.76	0.75	20.89	29.32
89.52	1.50	18.26	0.78	23.36	34.78
89.64	1.62	22.09	0.82	26.16	42.22
89.76	1.74	27.61	0.86	29.74	50.59
89.87	1.85	34.43	0.91	34.02	60.59
89.99	1.97	42.85	0.96	39.15	72.47
90.10	2.08	52.56	1.01	45.32	86.12
90.22	2.20	62.75	1.06	52.36	101.31
90.33	2.31	73.08	1.11	60.28	118.54
90.45	2.43	83.52	1.16	69.19	138.86
90.57	2.55	94.15	1.21	79.67	161.61
90.68	2.66	105.16	1.26	91.90	197.37
90.80	2.78	116.44	1.31	106.39	247.56
90.91	2.89	128.03	1.36	123.21	312.62
91.03	3.01	141.49	1.41	142.88	394.81
91.14	3.12	155.12	1.46	165.10	495.41
91.26	3.24	168.89	1.51	190.32	626.43
91.38	3.36	182.78	1.56	219.09	790.05
91.49	3.47	196.73	1.61	251.59	990.81
91.61	3.59	210.73	1.66	288.08	1234.86
91.72	3.70	224.77	1.71	339.57	1636.14
91.84	3.82	238.87	1.76	407.06	2199.56
91.95	3.93	253.01	1.81	492.56	3046.09
92.07	4.05	267.20	1.86	588.05	4299.66
92.19	4.17	281.44	1.91	705.54	5998.23
92.30	4.28	295.73	1.96	848.03	8288.75
92.42	4.40	310.07	2.01	1018.53	11342.19
92.53	4.51	324.45	2.06	1220.02	15348.49
92.65	4.63	338.89	2.11	1456.51	20667.63
92.76	4.74	353.37	2.16	1734.00	28699.58
92.88	4.86	367.90	2.21	2058.50	39947.29
93.00	4.98	382.48	2.26	2436.99	55111.74
93.11	5.09	397.10	2.31	2884.48	75191.90
93.23	5.21	411.78	2.36	3418.97	101904.75
93.34	5.32	426.51	2.41	4048.46	137020.25
93.46	5.44	441.28	2.46	4789.09	18236.91
93.57	5.55	456.15	2.51	5658.11	24151.64
93.69	5.67	471.12	2.56	6673.13	31868.90

TRANSECT DATA
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 13.5 MCARTHUR RIVER
Transect 3 of 4

Transect number: 3
Water surface elevation on 10/12/82: 91.01 ft

DISTANCE (ft)	ELEVATION (ft)	VELOCITY (fps)
0.0	92.63	b
1.4	91.01	b
3.7	89.66	b
5.9	90.77	b
14.8	90.60	b
34.0	90.29	b
51.9	89.59	b
69.5	89.83	b
81.7	89.57	b
95.9	90.26	b
128.2	90.63	b
140.2	91.01	b
146.2	91.30	b
146.7	93.30	b
149.3	97.80	b
164.3	97.80	b

b: No velocity data obtained at this location

TRANSECT DATA
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 13.5
Transect 4 of 4

MCARTHUR RIVER

Transect number: 4
Water surface elevation on 10/12/82: 91.58 ft

DISTANCE (ft)	ELEVATION (ft)	VELOCITY (fps)
0.0	93.30	b
0.5	91.56	b
3.9	88.61	b
15.4	88.46	b
24.5	89.78	b
35.8	89.65	b
45.0	90.48	b
72.7	91.60	b
87.7	91.69	b
90.4	95.00	b
107.7	100.00	b

b: No velocity data obtained at this location

SITE 15

DISCHARGE CALCULATIONS
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 15
Transect 1 of 3

MCARTHUR RIVER

Transect number: 1
Water surface elevation on 10/12/82: 97.95 ft

X (ft)	Y (ft)	DEPTH (ft)	VELOCITY (fps)	AREA (sq ft)	DISCHARGE (cfs)
3.10	97.95	0.00	0.00	0.00	0.00
4.40	97.45	0.50	1.30	0.90	1.17
6.70	97.75	0.20	0.50	0.44	0.22
8.80	97.70	0.25	0.50	0.51	0.26
10.80	97.70	0.25	0.80	0.44	0.35
12.30	97.35	0.60	0.70	1.20	0.84
14.80	97.05	0.90	1.50	2.03	3.04
16.80	97.05	0.90	0.60	1.35	0.81
17.80	96.95	1.00	1.70	1.50	2.55
19.80	96.95	1.00	2.00	2.00	4.00
21.80	97.00	0.95	1.80	1.90	3.42
23.80	97.20	0.75	1.65	1.50	2.48
25.80	97.35	0.60	0.95	1.20	1.14
27.80	97.45	0.50	1.30	1.00	1.30
29.80	97.70	0.25	0.40	0.50	0.20
31.80	97.65	0.30	0.70	0.75	0.53
34.80	97.70	0.25	1.00	0.62	0.62
36.80	97.77	0.18	0.90	0.45	0.41
39.80	97.65	0.30	0.80	0.81	0.65
42.20	97.90	0.05	0.00	0.06	0.00

THE TOTAL DISCHARGE IS 24.0 CFS
THE CROSS-SECTIONAL AREA IS 19.2 SQ FT
THE MEAN VELOCITY IS 1.25 FPS

THE KNOWN ENERGY SLOPE IS .001434
THE COMPUTED MANNING N IS 0.028

HYDRAULIC PROPERTIES
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site Number: 15
Transect 1 of 3

MCARTHUR RIVER

Transect Number: 1
Water surface elevation on 10/12/82: 97.95 ft

ELEVATION	DEPTH	AREA	HYD. RADIUS	WET PERIM	DISCHARGE
96.95	0.00	0.00	0.00	0.00	0.00
97.02	0.07	0.26	0.05	4.91	0.07
97.09	0.14	0.73	0.09	8.26	0.29
97.16	0.21	1.36	0.14	9.56	0.75
97.23	0.28	2.08	0.19	10.96	1.38
97.30	0.35	2.90	0.23	12.50	2.20
97.37	0.42	3.83	0.27	14.09	3.24
97.44	0.49	4.88	0.31	15.81	4.49
97.51	0.56	6.05	0.35	17.44	6.00
97.58	0.63	7.33	0.38	19.05	7.79
97.65	0.70	8.72	0.41	21.23	9.68
97.72	0.77	10.63	0.32	33.30	9.98
97.79	0.84	13.18	0.35	37.88	13.11
97.87	0.92	15.87	0.41	38.76	17.58
97.94	0.99	18.61	0.47	39.38	22.68
98.01	1.06	21.37	0.54	39.72	28.42
98.08	1.13	24.16	0.60	40.05	34.67
98.15	1.20	26.97	0.67	40.37	41.42
98.22	1.27	29.80	0.73	40.70	48.65
98.29	1.34	32.65	0.80	41.03	56.35
98.36	1.41	35.52	0.86	41.36	64.51
98.43	1.48	38.42	0.92	41.68	73.11
98.50	1.55	41.33	0.98	42.01	82.16
98.57	1.62	44.26	1.05	42.34	91.63
98.64	1.69	47.22	1.11	42.67	101.53
98.71	1.76	50.19	1.17	42.99	111.84
98.78	1.83	53.19	1.23	43.32	122.57
98.85	1.90	56.21	1.29	43.65	133.70
98.92	1.97	59.24	1.35	43.97	145.23
98.99	2.04	62.30	1.41	44.30	157.16
99.06	2.11	65.38	1.46	44.63	169.49
99.13	2.18	68.48	1.52	44.96	182.20
99.20	2.25	71.60	1.58	45.28	195.30
99.27	2.32	74.74	1.64	45.61	208.79
99.34	2.39	77.91	1.65	47.19	218.74
99.41	2.46	81.41	1.47	55.25	211.86
99.48	2.53	86.28	1.02	84.87	175.30
99.56	2.61	93.22	0.81	114.49	163.37
99.63	2.68	102.26	0.71	144.11	163.49
99.70	2.75	113.37	0.65	173.22	171.76
99.77	2.82	127.73	0.57	225.15	175.91
99.84	2.89	144.87	0.55	264.03	195.13
99.91	2.96	164.75	0.54	302.91	220.62
99.98	3.03	187.37	0.55	341.79	252.22
100.05	3.10	212.64	0.57	375.22	292.65
100.12	3.17	239.87	0.60	400.48	342.53
100.19	3.24	268.87	0.63	425.73	397.76
100.26	3.31	299.65	0.66	450.98	458.55
100.33	3.38	332.21	0.70	476.23	525.14
100.40	3.45	366.07	0.75	488.33	607.10

DISCHARGE CALCULATIONS
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 15
Transect 2 of 3

MCARTHUR RIVER

Transect number: 2
Water surface elevation on 10/12/82: 100.12 ft

X (ft)	Y (ft)	DEPTH (ft)	VELOCITY (fps)	AREA (sq ft)	DISCHARGE (cfs)
3.50	100.12	0.00	0.00	0.00	0.00
4.80	98.62	1.50	0.40	2.40	0.96
6.70	98.72	1.40	2.40	2.73	6.55
8.70	98.92	1.20	2.40	2.40	5.76
10.70	99.12	1.00	2.65	2.00	5.30
12.70	98.97	1.15	2.80	2.30	6.44
14.70	98.67	1.45	3.30	2.90	9.57
16.70	98.57	1.55	3.50	3.10	10.85
18.70	98.22	1.90	2.80	3.80	10.64
20.70	97.62	2.50	3.10	5.00	15.50
22.70	97.62	2.50	3.60	5.00	18.00
24.70	97.82	2.30	2.80	4.60	12.88
26.70	97.82	2.30	3.50	4.60	16.10
28.70	98.27	1.85	4.00	3.70	14.80
30.70	98.82	1.30	4.30	2.60	11.18
32.70	99.02	1.10	3.70	2.20	8.14
34.70	99.62	0.50	1.75	0.72	1.27
35.60	100.19	0.00	0.00	0.00	0.00

THE TOTAL DISCHARGE IS 153.9 CFS
THE CROSS-SECTIONAL AREA IS 50.1 SQ FT
THE MEAN VELOCITY IS 3.08 FPS

THE KNOWN MANNING N IS 0.028
THE COMPUTED ENERGY SLOPE IS 1.851212E-03

HYDRAULIC PROPERTIES
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site Number: 15
Transect 2 of 3

MCARTHUR RIVER

Transect Number: 2
Water surface elevation on 10/12/82: 100.12 ft

ELEVATION	DEPTH	AREA	HYD. RADIUS	WET PERIM	DISCHARGE
97.62	0.00	0.00	0.75	0.00	0.00
97.69	0.07	0.18	0.06	2.97	0.06
97.76	0.14	0.42	0.11	3.93	0.22
97.83	0.21	0.76	0.11	6.82	0.40
97.91	0.29	1.27	0.17	7.39	0.89
97.98	0.36	1.81	0.23	7.97	1.54
98.05	0.43	2.39	0.28	8.54	2.34
98.12	0.50	3.02	0.33	9.12	3.30
98.19	0.57	3.68	0.38	9.69	4.40
98.26	0.64	4.38	0.42	10.36	5.64
98.33	0.71	5.14	0.46	11.05	7.04
98.41	0.79	5.94	0.51	11.74	8.61
98.48	0.86	6.79	0.55	12.42	10.36
98.55	0.93	7.68	0.59	13.10	12.29
98.62	1.00	8.65	0.60	14.50	13.99
98.69	1.07	9.77	0.56	17.37	15.21
98.76	1.14	11.06	0.58	19.19	17.50
98.83	1.21	12.47	0.60	20.84	20.21
98.91	1.29	14.00	0.61	22.85	23.05
98.98	1.36	15.67	0.63	24.91	26.27
99.05	1.43	17.50	0.64	27.21	29.78
99.12	1.50	19.48	0.67	29.22	33.94
99.19	1.57	21.54	0.73	29.57	39.81
99.26	1.64	23.62	0.79	29.91	46.07
99.33	1.71	25.72	0.85	30.25	52.70
99.41	1.79	27.84	0.91	30.60	59.69
99.48	1.86	29.98	0.97	30.94	67.05
99.55	1.93	32.15	1.03	31.28	74.76
99.62	2.00	34.34	1.09	31.63	82.82
99.69	2.07	36.54	1.15	31.85	91.43
99.76	2.14	38.76	1.21	32.08	100.38
99.83	2.21	40.99	1.27	32.31	109.66
99.91	2.29	43.23	1.33	32.54	119.28
99.98	2.36	45.48	1.39	32.77	129.22
100.05	2.43	47.75	1.45	32.99	139.48
100.12	2.50	50.02	1.51	33.22	150.06
100.19	2.57	52.32	1.55	33.65	160.34
100.26	2.64	54.72	1.52	36.01	165.14
100.33	2.71	57.29	1.49	38.37	170.86
100.41	2.79	60.02	1.47	40.73	177.45
100.48	2.86	62.92	1.46	43.09	184.90
100.55	2.93	65.99	1.45	45.45	193.18
100.62	3.00	69.22	1.45	47.82	202.29
100.69	3.07	72.63	1.45	50.18	212.21
100.76	3.14	76.20	1.45	52.54	222.95
100.83	3.21	79.94	1.46	54.90	234.51
100.91	3.29	83.85	1.46	57.26	246.90
100.98	3.36	87.92	1.47	59.62	260.12
101.05	3.43	92.16	1.49	61.98	274.19
101.12	3.50	96.58	1.50	64.34	289.11

DISCHARGE CALCULATIONS
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 15
Transect 3 of 3

MCARTHUR RIVER

Transect number: 3
Water surface elevation on 10/12/82: 50.00 ft

X (ft)	Y (ft)	DEPTH (ft)	VELOCITY (fps)	AREA (sq ft)	DISCHARGE (cfs)
3.00	50.00	0.00	0.00	0.00	0.00
11.00	49.70	0.30	1.50	1.80	2.70
15.00	49.50	0.50	2.00	2.00	4.00
19.00	49.10	0.90	2.50	3.60	9.00
23.00	48.90	1.10	3.60	4.40	15.84
27.00	48.70	1.30	4.10	5.20	21.32
31.00	48.80	1.20	3.50	4.80	16.80
35.00	49.00	1.00	3.60	4.00	14.40
39.00	49.00	1.00	2.20	4.00	8.80
43.00	49.50	0.50	0.25	1.50	0.38
45.00	49.70	0.30	0.00	0.45	0.00
46.00	49.50	0.50	0.00	0.50	0.00
47.00	49.90	0.10	0.00	0.10	0.00
48.10	50.00	0.00	0.00	0.00	0.00

THE TOTAL DISCHARGE IS 93.2 CFS
THE CROSS-SECTIONAL AREA IS 32.4 SQ FT
THE MEAN VELOCITY IS 2.88 FPS

THE KNOWN MANNING N IS 0.028
THE COMPUTED ENERGY SLOPE IS 4.576025E-03

HYDRAULIC PROPERTIES
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site Number: 15
Transect 3 of 3

MCARTHUR RIVER

Transect Number: 3
Water surface elevation on 10/12/82: 50.00 ft

ELEVATION	DEPTH	AREA	HYD. RADIUS	WET PERIM	DISCHARGE
48.70	0.00	0.00	1.50	0.00	0.00
48.76	0.06	0.10	0.03	3.43	0.03
48.81	0.11	0.39	0.06	6.58	0.21
48.87	0.17	0.83	0.09	8.86	0.62
48.93	0.23	1.40	0.13	11.15	1.26
48.99	0.29	2.10	0.16	13.44	2.19
49.04	0.34	3.10	0.16	19.22	3.29
49.10	0.40	4.24	0.20	20.82	5.27
49.16	0.46	5.46	0.25	21.86	7.77
49.21	0.51	6.73	0.29	22.89	10.70
49.27	0.57	8.07	0.34	23.93	14.04
49.33	0.63	9.46	0.38	24.96	17.80
49.39	0.69	10.92	0.42	26.00	21.98
49.44	0.74	12.43	0.46	27.03	26.58
49.50	0.80	14.00	0.50	28.07	31.61
49.56	0.86	15.66	0.52	30.23	36.27
49.61	0.91	17.45	0.54	32.40	41.46
49.67	0.97	19.35	0.56	34.56	47.20
49.73	1.03	21.38	0.59	36.48	53.74
49.79	1.09	23.50	0.62	38.16	61.07
49.84	1.14	25.72	0.65	39.84	68.98
49.90	1.20	28.03	0.68	41.52	77.47
49.96	1.26	30.46	0.70	43.67	85.99
50.01	1.31	33.00	0.73	45.32	95.89
50.07	1.37	35.58	0.78	45.44	108.51
50.13	1.43	38.16	0.84	45.57	121.72
50.19	1.49	40.74	0.89	45.69	135.51
50.24	1.54	43.33	0.95	45.82	149.87
50.30	1.60	45.92	1.00	45.94	164.79
50.36	1.66	48.51	1.05	46.06	180.25
50.41	1.71	51.10	1.11	46.19	196.23
50.47	1.77	53.69	1.16	46.31	212.73
50.53	1.83	56.29	1.21	46.44	229.74
50.59	1.89	58.89	1.26	46.56	247.25
50.64	1.94	61.49	1.32	46.68	265.24
50.70	2.00	64.09	1.37	46.81	283.72
50.76	2.06	66.70	1.42	46.93	302.66
50.81	2.11	69.30	1.47	47.06	322.07
50.87	2.17	71.91	1.52	47.18	341.93
50.93	2.23	74.52	1.58	47.30	362.24
50.99	2.29	77.14	1.63	47.43	383.00
51.04	2.34	79.75	1.68	47.55	404.18
51.10	2.40	82.37	1.73	47.67	425.80
51.16	2.46	84.99	1.78	47.80	447.83
51.21	2.51	87.61	1.83	47.92	470.29
51.27	2.57	90.24	1.88	48.05	493.15
51.33	2.63	92.86	1.93	48.17	516.42
51.39	2.69	95.49	1.98	48.29	540.09
51.44	2.74	98.12	2.03	48.42	564.15
51.50	2.80	100.75	2.08	48.54	588.58

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DISCHARGE CALCULATIONS
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 16
Transect 1 of 4

CHAKACHATNA RIVER

Transect number: 1
Water surface elevation on 10/10/82: 97.33 ft

X (ft)	Y (ft)	DEPTH (ft)	VELOCITY (fps)	AREA (sq ft)	DISCHARGE (cfs)
49.20	97.33	0.00	0.00	0.00	0.00
52.50	95.73	1.60	0.65	6.64	4.32
57.50	93.43	3.90	1.70	19.50	33.15
62.50	92.13	5.20	2.25	26.00	58.50
67.50	90.43	6.90	2.25	34.50	77.62
72.50	90.23	7.10	3.95	53.25	210.34
82.50	90.53	6.80	3.25	51.00	165.75
87.50	91.03	6.30	4.75	31.50	149.62
92.50	91.73	5.60	5.20	28.00	145.60
97.50	91.83	5.50	4.45	27.50	122.37
102.50	92.63	4.70	4.25	23.50	99.87
107.50	93.33	4.00	3.35	20.00	67.00
112.50	93.93	3.40	2.60	17.00	44.20
117.50	94.93	2.40	1.70	12.00	20.40
122.50	95.43	1.90	1.70	9.50	16.15
127.50	95.73	1.60	1.85	8.00	14.80
132.50	95.93	1.40	1.70	7.00	11.90
137.50	96.03	1.30	2.10	6.50	13.65
142.50	95.98	1.35	1.60	6.75	10.80
147.50	95.73	1.60	2.40	8.00	19.20
152.50	95.13	2.20	2.85	11.00	31.35
157.50	94.73	2.60	2.80	13.00	36.40
162.50	94.13	3.20	3.90	16.00	62.40
167.50	94.03	3.30	4.40	16.50	72.60
172.50	93.53	3.80	5.00	19.00	95.00
177.50	93.53	3.80	4.65	19.00	88.35
182.50	93.43	3.90	3.45	19.50	67.27
187.50	93.93	3.40	2.80	17.00	47.60
192.50	95.13	2.20	1.20	9.46	11.35
196.10	97.33	0.00	0.00	0.00	0.00

THE TOTAL DISCHARGE IS 1797.6 CFS
THE CROSS-SECTIONAL AREA IS 536.6 SQ FT
THE MEAN VELOCITY IS 3.35 FPS

DISCHARGE CALCULATIONS
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 16
Transect 2 of 4

CHAKACHATNA RIVER

Transect number: 2
Water surface elevation on 10/10/82: 96.07 ft

X (ft)	Y (ft)	DEPTH (ft)	VELOCITY (fps)	AREA (sq ft)	DISCHARGE (cfs)
17.40	96.12	0.00	0.00	0.00	0.00
19.40	95.67	0.40	0.25	0.80	0.20
21.40	94.82	1.25	0.60	2.50	1.50
23.40	94.47	1.60	0.75	3.20	2.40
25.40	94.17	1.90	0.60	3.80	2.28
27.40	94.02	2.05	0.65	4.10	2.67
29.40	94.27	1.80	0.55	3.60	1.98
31.40	94.57	1.50	0.50	3.00	1.50
33.40	95.02	1.05	0.65	2.10	1.37
35.40	95.27	0.80	0.65	1.60	1.04
37.40	95.37	0.70	0.70	1.40	0.98
39.40	95.42	0.65	0.90	1.30	1.17
41.40	95.17	0.90	0.90	1.80	1.62
43.40	95.27	0.80	0.80	1.60	1.28
45.40	95.17	0.90	1.20	1.80	2.16
47.40	94.87	1.20	1.10	2.40	2.64
49.40	94.97	1.10	1.00	2.20	2.20
51.40	94.97	1.10	1.15	2.20	2.53
53.40	95.07	1.00	0.65	2.00	1.30
55.40	95.07	1.00	0.65	2.00	1.30
57.40	95.37	0.70	0.30	1.40	0.42
59.40	95.27	0.80	0.05	1.60	0.08
61.40	95.27	0.80	0.05	1.16	0.06
62.30	96.07	0.00	0.00	0.00	0.00

THE TOTAL DISCHARGE IS 32.7 CFS
THE CROSS-SECTIONAL AREA IS 47.6 SQ FT
THE MEAN VELOCITY IS 0.69 FPS

DISCHARGE CALCULATIONS
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 16
Transect 3 of 4

CHAKACHATNA RIVER

Transect number: 3
Water surface elevation on 10/10/82: 97.16 ft

X (ft)	Y (ft)	DEPTH (ft)	VELOCITY (fps)	AREA (sq ft)	DISCHARGE (cfs)
11.40	97.14	0.02	0.00	0.02	0.00
13.40	96.86	0.30	0.10	0.60	0.06
15.40	96.83	0.33	0.30	0.50	0.15
16.40	96.41	0.75	0.45	0.75	0.34
17.40	96.56	0.60	0.65	0.90	0.58
19.40	96.41	0.75	0.65	1.50	0.97
21.40	96.36	0.80	0.80	1.60	1.28
23.40	96.46	0.70	1.15	1.40	1.61
25.40	96.31	0.85	0.60	1.70	1.02
27.40	96.36	0.80	0.84	1.60	1.34
29.40	96.26	0.90	0.40	1.80	0.72
31.40	96.33	0.83	0.38	1.25	0.47
32.40	96.96	0.20	0.00	0.30	0.00
34.40	96.46	0.70	0.35	1.40	0.49
36.40	96.56	0.60	0.33	1.20	0.40
38.40	96.56	0.60	0.22	1.20	0.26
40.40	96.56	0.60	0.22	1.20	0.26
42.40	96.74	0.42	0.25	0.84	0.21
44.40	97.16	0.00	0.00	0.00	0.00

THE TOTAL DISCHARGE IS 10.2 CFS
THE CROSS-SECTIONAL AREA IS 19.7 SQ FT
THE MEAN VELOCITY IS 0.52 FPS

DISCHARGE CALCULATIONS
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 16
Transect 4 of 4

CHAKACHATNA RIVER

Transect number: 4
Water surface elevation on 10/10/82: 98.88 ft

X (ft)	Y (ft)	DEPTH (ft)	VELOCITY (fps)	AREA (sq ft)	DISCHARGE (cfs)
17.20	98.93	0.00	0.00	0.00	0.00
20.20	97.98	0.90	2.70	3.60	9.72
25.20	96.28	2.60	2.70	13.00	35.10
30.20	95.88	3.00	3.35	15.00	50.25
35.20	95.08	3.80	4.30	19.00	81.70
40.20	94.68	4.20	4.95	21.00	103.95
45.20	94.08	4.80	4.85	24.00	116.40
50.20	94.08	4.80	4.95	24.00	118.80
55.20	94.38	4.50	5.10	22.50	114.75
60.20	94.78	4.10	4.50	20.50	92.25
65.20	95.08	3.80	4.80	19.00	91.20
70.20	95.18	3.70	5.00	18.50	92.50
75.20	95.38	3.50	4.75	17.50	83.13
80.20	95.58	3.30	4.20	16.50	69.30
85.20	95.88	3.00	4.80	15.00	72.00
90.20	95.88	3.00	4.80	15.00	72.00
95.20	95.98	2.90	4.70	14.50	68.15
100.20	95.98	2.90	4.25	14.50	61.63
105.20	95.98	2.90	4.10	14.50	59.45
110.20	96.08	2.80	4.15	14.00	58.10
115.20	96.18	2.70	3.30	13.50	44.55
120.20	96.38	2.50	3.00	12.50	37.50
125.20	96.78	2.10	1.90	10.50	19.95
130.20	96.98	1.90	1.40	9.50	13.30
135.20	97.53	1.35	1.00	7.36	7.36
141.10	98.88	0.00	0.00	0.00	0.00

THE TOTAL DISCHARGE IS 1573.0 CFS
THE CROSS-SECTIONAL AREA IS 375.0 SQ FT
THE MEAN VELOCITY IS 4.20 FPS

SITE 17

TRANSECT DATA
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 17
Transect 1 of 4

CHAKACHATNA RIVER

Transect number: 1
Water surface elevation on 10/14/82: 95.87 ft

DISTANCE (ft)	ELEVATION (ft)	VELOCITY (fps)
0.0	96.87	b
86.2	98.82	b
132.5	95.78	b
188.8	95.09	b
202.8	96.05	b
215.6	99.54	b
294.9	95.49	b
324.3	100.64	b
407.2	100.33	b
439.7	98.70	b
458.5	99.87	b
468.9	97.83	b
565.6	102.10	b
700.2	102.72	b
714.9	96.48	b
746.1	98.53	b
793.3	96.64	b
802.5	96.07	b
809.8	96.55	b
823.4	97.50	b
841.2	95.48	b
844.2	94.45	b
854.3	95.50	b
948.2	100.42	b
1021.8	96.95	b
1043.4	101.71	b
1170.1	94.97	b
1182.7	92.83	b
1189.5	95.00	b
1202.0	105.40	b

b: No velocity data obtained at this location

TRANSECT DATA
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 17
Transect 2 of 4

CHAKACHATNA RIVER

Transect number: 2
Water surface elevation on 10/15/82: 99.70 ft

DISTANCE (ft)	ELEVATION (ft)	VELOCITY (fps)
-8.6	52.29	a
0.0	50.95	a
3.3	49.92	0.00
4.0	49.64	0.00
4.6	48.89	0.45
5.4	48.79	0.65
6.4	48.79	0.80
7.4	48.81	0.95
8.4	48.77	0.75
9.4	48.91	0.75
10.4	49.04	0.82
11.4	49.09	0.70
12.4	49.13	0.55
13.4	49.29	0.45
14.4	49.49	0.40
15.7	49.89	0.00
42.9	50.46	a
65.1	49.47	0.00
66.4	49.22	0.45
67.4	49.19	0.60
68.4	49.14	0.62
69.4	49.15	0.30
70.4	49.07	0.19
71.4	49.13	0.04
72.4	49.08	0.10
73.4	49.06	0.20
74.4	49.15	0.15
75.4	49.31	b
76.2	49.51	0.00
78.4	49.76	a
89.4	52.07	a
112.4	53.79	a
159.4	53.04	a

a: Ground elevation is above water level
b: No velocity data obtained at this location

TRANSECT DATA
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 17
Transect 3 of 4

CHAKACHATNA RIVER

Transect number: 3
Water surface elevation on 10/14/82: 50.00 ft

DISTANCE (ft)	ELEVATION (ft)	VELOCITY (fps)
0.0	55.00	a
11.6	50.00	0.00
12.0	49.80	0.00
12.6	49.90	0.00
13.5	49.60	1.00
14.1	49.70	0.80
15.0	49.50	1.35
16.0	49.40	1.50
17.0	49.45	1.20
18.0	49.50	0.70
19.0	49.70	0.30
20.0	49.95	0.00
21.4	50.00	0.00
39.5	55.00	a

a: Ground elevation is above water level

TRANSECT DATA
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 17
Transect 4 of 4

CHAKACHATNA RIVER

Transect number: 4
Water surface elevation on 10/15/82: 50.00 ft

DISTANCE (ft)	ELEVATION (ft)	VELOCITY (fps)
0.0	55.00	a
4.2	50.00	0.00
5.0	49.95	0.00
6.0	50.00	0.00
7.0	49.35	0.55
8.0	49.33	0.60
9.0	49.35	0.65
10.0	49.25	0.55
11.0	49.65	0.75
12.0	49.75	b
13.0	49.80	b
14.0	49.65	0.90
15.0	49.60	0.70
16.0	49.63	0.50
17.0	49.95	b
17.9	50.00	0.00
22.8	55.00	a

a: Ground elevation is above water level
b: No velocity data obtained at this location

SITE 17D

DISCHARGE CALCULATIONS
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 17D
Transect 1 of 1

CHAKACHATNA RIVER

Transect number: 1
Water surface elevation on 10/15/82: 91.47 ft

X (ft)	Y (ft)	DEPTH (ft)	VELOCITY (fps)	AREA (sq ft)	DISCHARGE (cfs)
13.50	91.47	0.00	0.00	0.00	0.00
17.50	90.27	1.20	0.75	5.40	4.05
22.50	88.57	2.90	3.40	14.50	49.30
27.50	86.87	4.60	3.40	23.00	78.20
32.50	86.47	5.00	3.70	37.50	138.75
42.50	86.67	4.80	3.50	48.00	168.00
52.50	86.17	5.30	3.90	53.00	206.70
62.50	85.67	5.80	4.20	58.00	243.60
72.50	85.97	5.50	5.60	55.00	308.00
82.50	85.97	5.50	5.45	55.00	299.75
92.50	86.07	5.40	3.85	54.00	207.90
102.50	85.87	5.60	4.15	56.00	232.40
112.50	86.57	4.90	4.70	49.00	230.30
122.50	86.57	4.90	4.80	49.00	235.20
132.50	87.57	3.90	3.90	39.00	152.10
142.50	87.87	3.60	4.20	36.00	151.20
152.50	88.07	3.40	3.30	34.00	112.20
162.50	88.07	3.40	3.30	34.00	112.20
172.50	88.12	3.35	2.80	33.50	93.80
182.50	88.47	3.00	2.20	30.00	66.00
192.50	89.57	1.90	1.30	14.25	18.53
197.50	90.27	1.20	0.85	6.00	5.10
202.50	90.97	0.50	0.95	2.42	2.30
207.20	91.36	0.11	0.00	0.26	0.00

THE TOTAL DISCHARGE IS 3115.6 CFS
THE CROSS-SECTIONAL AREA IS 786.8 SQ FT
THE MEAN VELOCITY IS 3.96 FPS

THE KNOWN ENERGY SLOPE IS 1.058905E-03
THE COMPUTED MANNING N IS 0.031

HYDRAULIC PROPERTIES
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site Number: 17D
Transect 1 of 1

CHAKACHATNA RIVER

Transect Number: 1
Water surface elevation on 10/15/82: 91.47ft

ELEVATION	DEPTH	AREA	HYD. RADIUS	WET PERIM	DISCHARGE
85.67	0.00	0.00	0.00	0.00	0.00
85.90	0.23	1.13	0.10	11.45	0.37
86.12	0.45	8.53	0.18	48.14	4.18
86.35	0.68	21.13	0.34	61.30	16.15
86.57	0.90	35.94	0.44	81.06	32.50
86.80	1.13	55.60	0.59	93.82	61.02
87.02	1.35	77.72	0.78	100.15	102.09
87.25	1.58	100.63	0.98	103.12	153.97
87.48	1.81	124.19	1.17	106.09	214.53
87.70	2.03	148.61	1.33	112.12	278.88
87.93	2.26	174.80	1.44	121.30	346.85
88.15	2.48	204.70	1.36	150.09	391.56
88.38	2.71	239.30	1.52	157.24	492.42
88.60	2.93	275.32	1.70	161.78	610.38
88.83	3.16	312.04	1.90	164.55	743.55
89.06	3.39	349.37	2.09	167.31	887.73
89.28	3.61	387.32	2.28	170.08	1042.72
89.51	3.84	425.88	2.46	172.85	1208.34
89.73	4.06	465.02	2.65	175.30	1386.00
89.96	4.29	504.69	2.84	177.63	1574.66
90.18	4.51	544.86	3.03	179.96	1773.60
90.41	4.74	585.56	3.21	182.34	1982.38
90.64	4.97	626.78	3.39	184.75	2201.04
90.86	5.19	668.55	3.57	187.16	2429.73
91.09	5.42	710.87	3.74	190.15	2663.25
91.31	5.64	753.96	3.89	193.66	2902.00
91.54	5.87	797.95	4.02	198.61	3136.51
91.76	6.09	843.12	4.14	203.84	3378.94
91.99	6.32	889.45	4.25	209.06	3632.26
92.22	6.55	936.96	4.37	214.29	3896.63
92.44	6.77	985.63	4.49	219.51	4172.26
92.67	7.00	1035.47	4.61	224.74	4459.29
92.89	7.22	1086.18	4.79	226.69	4801.45
93.12	7.45	1137.15	4.99	227.87	5164.88
93.34	7.67	1188.36	5.19	229.05	5539.25
93.57	7.90	1239.82	5.39	230.23	5924.44
93.80	8.13	1291.53	5.58	231.41	6320.35
94.02	8.35	1343.49	5.78	232.59	6726.88
94.25	8.58	1395.69	5.97	233.77	7143.96
94.47	8.80	1448.13	6.16	234.95	7571.48
94.70	9.03	1500.83	6.36	236.13	8009.38
94.92	9.25	1553.77	6.55	237.32	8457.58
95.15	9.48	1606.95	6.74	238.50	8916.02
95.38	9.71	1660.39	6.93	239.68	9384.63
95.60	9.93	1714.06	7.12	240.86	9863.34
95.83	10.16	1767.99	7.30	242.04	10352.09
96.05	10.38	1822.16	7.49	243.22	10850.85
96.28	10.61	1876.58	7.68	244.40	11359.55
96.50	10.83	1931.24	7.86	245.58	11878.15
96.73	11.06	1986.13	8.05	246.76	12406.43

SITE 18

DISCHARGE CALCULATIONS
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 18 STRAIGHT CREEK
Transect 1 of 1

Transect number: 1
Water surface elevation on 10/15/82: 99.52 ft

X (ft)	Y (ft)	DEPTH (ft)	VELOCITY (fps)	AREA (sq ft)	DISCHARGE (cfs)
6.80	99.59	0.00	0.00	0.00	0.00
8.40	98.82	0.70	1.15	1.43	1.65
10.90	98.12	1.40	2.40	3.50	8.40
13.40	97.52	2.00	3.40	5.00	17.00
15.90	97.32	2.20	4.60	5.50	25.30
18.40	97.62	1.90	4.10	4.75	19.48
20.90	97.62	1.90	4.80	4.75	22.80
23.40	97.42	2.10	4.30	5.25	22.57
25.90	97.32	2.20	4.40	5.50	24.20
28.40	97.57	1.95	4.20	4.87	20.47
30.90	97.77	1.75	4.20	4.38	18.38
33.40	97.92	1.60	4.00	4.00	16.00
35.90	98.02	1.50	3.90	3.75	14.63
38.40	98.07	1.45	4.20	3.62	15.22
40.90	98.17	1.35	4.00	3.37	13.50
43.40	98.42	1.10	3.10	2.75	8.52
45.90	98.62	0.90	2.20	2.25	4.95
48.40	98.72	0.80	2.25	2.00	4.50
50.90	98.87	0.65	2.60	1.63	4.23
53.40	98.87	0.65	1.50	1.63	2.44
55.90	99.07	0.45	0.90	0.81	0.73
57.00	99.52	0.00	0.00	0.00	0.00

THE TOTAL DISCHARGE IS 265.0 CFS
THE CROSS-SECTIONAL AREA IS 70.7 SQ FT
THE MEAN VELOCITY IS 3.75 FPS

THE KNOWN ENERGY SLOPE IS .006643
THE COMPUTED MANNING N IS 0.041

HYDRAULIC PROPERTIES
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site Number: 18
Transect 1 of 1

STRAIGHT CREEK

Transect Number: 1
Water surface elevation on 10/15/82: 99.52ft

ELEVATION	DEPTH	AREA	HYD. RADIUS	WET PERIM	DISCHARGE
97.32	0.00	0.00	0.00	0.00	0.00
97.41	0.09	0.21	0.04	4.86	0.08
97.49	0.17	0.81	0.09	8.80	0.49
97.58	0.26	1.71	0.14	12.10	1.39
97.67	0.35	3.00	0.18	16.89	2.82
97.75	0.43	4.52	0.25	18.35	5.29
97.84	0.52	6.21	0.28	22.20	7.92
97.93	0.61	8.46	0.28	30.05	10.84
98.01	0.69	11.49	0.28	40.66	14.76
98.10	0.78	15.57	0.29	53.27	20.45
98.19	0.87	20.66	0.32	64.34	28.90
98.27	0.95	26.66	0.36	74.36	40.13
98.36	1.04	33.48	0.40	83.09	54.49
98.45	1.13	41.02	0.45	91.34	71.76
98.53	1.21	49.28	0.49	99.73	91.87
98.62	1.30	58.26	0.54	108.14	115.07
98.71	1.39	68.02	0.58	117.62	140.84
98.79	1.47	78.57	0.62	126.48	170.66
98.88	1.56	89.91	0.65	137.60	201.96
98.97	1.65	102.16	0.70	145.87	240.34
99.05	1.73	115.14	0.74	154.91	281.85
99.14	1.82	128.93	0.79	163.95	327.67
99.23	1.91	143.48	0.83	172.84	378.05
99.31	1.99	158.79	0.87	181.73	432.95
99.40	2.08	174.87	0.92	190.62	492.53
99.49	2.17	191.72	0.96	199.51	556.94
99.58	2.26	209.35	1.00	208.96	625.30
99.66	2.34	227.82	1.04	219.03	697.72
99.75	2.43	247.18	1.08	229.16	775.52
99.84	2.52	267.42	1.11	240.20	856.94
99.92	2.60	288.70	1.14	252.57	941.52
100.01	2.69	311.04	1.17	264.93	1032.65
100.10	2.78	334.46	1.21	277.30	1130.53
100.18	2.86	358.94	1.24	289.67	1235.33
100.27	2.95	384.50	1.27	302.03	1347.27
100.36	3.04	411.12	1.31	314.40	1466.54
100.44	3.12	438.81	1.34	326.77	1593.32
100.53	3.21	467.56	1.38	339.13	1727.81
100.62	3.30	497.39	1.42	351.50	1870.19
100.70	3.38	528.18	1.47	359.88	2034.90
100.79	3.47	559.49	1.53	365.09	2218.51
100.88	3.56	591.25	1.60	370.30	2409.45
100.96	3.64	623.45	1.66	375.52	2607.73
101.05	3.73	656.34	1.67	392.52	2758.40
101.14	3.82	691.60	1.63	423.64	2860.43
101.22	3.90	729.55	1.60	454.77	2982.43
101.31	3.99	770.05	1.62	476.37	3164.08
101.40	4.08	811.36	1.69	479.60	3436.45
101.48	4.16	852.95	1.77	482.84	3718.29
101.57	4.25	894.81	1.84	486.07	4009.53

SITE 22

DISCHARGE CALCULATIONS
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 22
Transect 1 of 1

CHAKACHATNA RIVER

Transect number: 1
Water surface elevation on 10/14/82: 89.30 ft

X (ft)	Y (ft)	DEPTH (ft)	VELOCITY (fps)	AREA (sq ft)	DISCHARGE (cfs)
80.80	89.22	0.08	0.00	0.26	0.00
87.30	88.25	1.05	0.25	6.04	1.51
92.30	87.20	2.10	2.30	15.75	36.22
102.30	86.10	3.20	4.60	32.00	147.20
112.30	85.10	4.20	5.35	42.00	224.70
122.30	85.20	4.10	7.30	41.00	299.30
132.30	85.30	4.00	7.25	40.00	290.00
142.30	85.40	3.90	6.20	39.00	241.80
152.30	85.80	3.50	6.60	35.00	231.00
162.30	86.20	3.10	6.80	31.00	210.80
172.30	86.30	3.00	6.20	30.00	186.00
182.30	86.60	2.70	5.00	27.00	135.00
192.30	86.60	2.70	7.40	27.00	199.80
202.30	86.80	2.50	5.80	25.00	145.00
212.30	86.70	2.60	6.20	26.00	161.20
222.30	86.80	2.50	6.00	25.00	150.00
232.30	86.90	2.40	5.60	24.00	134.40
242.30	86.60	2.70	5.30	27.00	143.10
252.30	87.30	2.00	4.30	18.00	77.40
260.30	89.30	0.00	0.00	0.00	0.00

THE TOTAL DISCHARGE IS 3014.4 CFS
THE CROSS-SECTIONAL AREA IS 511.0 SQ FT
THE MEAN VELOCITY IS 5.90 FPS

THE KNOWN ENERGY SLOPE IS 5.651229E-03
THE COMPUTED MANNING N IS 0.038

HYDRAULIC PROPERTIES
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site Number: 22
Transect 1 of 1

CHAKACHATNA RIVER

Transect Number: 1
Water surface elevation on 10/14/82: 89.30ft

ELEVATION	DEPTH	AREA	HYD. RADIUS	WET PERIM	DISCHARGE
85.10	0.00	0.00	0.00	0.00	0.00
85.30	0.20	2.30	0.10	22.53	1.48
85.51	0.41	8.77	0.24	36.85	9.89
85.71	0.61	17.04	0.39	44.03	26.58
85.92	0.82	26.78	0.52	51.21	51.04
86.12	1.02	37.98	0.65	58.37	83.76
86.33	1.23	51.22	0.70	73.09	118.67
86.53	1.43	67.06	0.82	81.79	172.48
86.74	1.64	86.79	0.74	116.86	209.02
86.94	1.84	115.48	0.76	152.69	281.49
87.15	2.05	147.20	0.93	157.49	413.18
87.35	2.25	179.83	1.12	161.12	568.17
87.56	2.46	212.95	1.31	162.96	747.43
87.76	2.66	246.44	1.50	164.80	946.34
87.97	2.87	280.30	1.68	166.64	1164.17
88.17	3.07	314.53	1.87	168.48	1400.31
88.38	3.28	349.14	2.05	170.56	1652.85
88.58	3.48	384.19	2.22	172.79	1921.84
88.78	3.68	419.69	2.40	175.02	2207.87
88.99	3.89	455.64	2.57	177.25	2510.68
89.19	4.09	492.03	2.74	179.48	2830.07
89.40	4.30	528.85	2.92	181.39	3169.27
89.60	4.50	566.04	3.09	183.25	3525.22
89.81	4.71	603.60	3.26	185.12	3897.27
90.01	4.91	641.53	3.43	186.98	4285.24
90.22	5.12	680.02	3.56	191.10	4654.21
90.42	5.32	719.43	3.68	195.72	5031.66
90.63	5.53	759.77	3.79	200.33	5425.59
90.83	5.73	801.04	3.91	204.95	5836.23
91.04	5.94	843.27	4.02	209.97	6256.37
91.24	6.14	886.83	4.05	219.13	6613.16
91.45	6.35	932.46	4.08	228.62	6989.64
91.65	6.55	979.79	4.14	236.41	7423.18
91.85	6.75	1028.67	4.22	244.04	7881.94
92.06	6.96	1079.12	4.28	251.93	8357.48
92.26	7.16	1130.66	4.45	254.18	8979.84
92.47	7.37	1182.52	4.62	255.81	9635.70
92.67	7.57	1234.70	4.80	257.44	10311.09
92.88	7.78	1287.21	4.97	259.06	11005.86
93.08	7.98	1340.03	5.14	260.69	11719.87
93.29	8.19	1393.18	5.31	262.32	12453.00
93.49	8.39	1446.65	5.48	263.94	13205.16
93.70	8.60	1500.43	5.65	265.37	13983.29
93.90	8.80	1554.42	5.84	266.26	14798.53
94.11	9.01	1608.56	6.02	267.16	15632.53
94.31	9.21	1662.87	6.20	268.06	16485.15
94.52	9.42	1717.34	6.39	268.95	17356.21
94.72	9.62	1771.96	6.57	269.85	18245.55
94.93	9.83	1826.75	6.75	270.75	19153.03
95.13	10.03	1881.66	6.93	271.64	20077.90

SITE 22A

DISCHARGE CALCULATIONS
Chakachamna Hydroelectric Project
Prepared by Woodward-Clyde Consultants

Site number: 22A
Transect 1 of 1

CHAKACHATNA CANYON SLOUGH

Transect number: 1
Water surface elevation on 10/13/82: 50.00 ft

X (ft)	Y (ft)	DEPTH (ft)	VELOCITY (fps)	AREA (sq ft)	DISCHARGE (cfs)
0.00	50.00	0.00	0.00	0.00	0.00
1.00	49.70	0.30	0.00	0.30	0.00
2.00	49.70	0.30	0.00	0.30	0.00
3.00	49.65	0.35	0.00	0.35	0.00
4.00	49.70	0.30	0.00	0.30	0.00
5.00	49.70	0.30	0.05	0.30	0.02
6.00	49.70	0.30	0.10	0.30	0.03
7.00	49.70	0.30	0.50	0.30	0.15
8.00	49.60	0.40	0.65	0.40	0.26
9.00	49.55	0.45	0.85	0.45	0.38
10.00	49.50	0.50	1.00	0.50	0.50
11.00	49.40	0.60	0.90	0.60	0.54
12.00	49.30	0.70	1.05	0.70	0.74
13.00	49.25	0.75	1.05	0.75	0.79
14.00	49.25	0.75	1.10	0.75	0.83
15.00	49.25	0.75	1.10	0.75	0.83
16.00	49.20	0.80	1.10	0.80	0.88
17.00	49.25	0.75	1.05	0.75	0.79
18.00	49.35	0.65	1.00	0.65	0.65
19.00	49.55	0.45	1.00	0.45	0.45
20.00	50.00	0.00	0.00	0.00	0.00

THE TOTAL DISCHARGE IS 7.8 CFS
THE CROSS-SECTIONAL AREA IS 9.7 SQ FT
THE MEAN VELOCITY IS 0.81 FPS

THE KNOWN MANNING N IS 0.030
THE COMPUTED ENERGY SLOPE IS 6.947119E-04

APPENDIX A2
ESCAPEMENT COUNTS BY STREAM 1982

Fish collected are listed by method and sampling location. Locations of the sampling stations are as follows:

Station Number	Location	Map Coordinate
1	Confluence of Chakachatna River with McArthur River	R. 14 W., T. 10 N.
1D	McArthur River	R. 14 W., T. 10 N.
2	Lower Chakachatna River	R. 14 W., T. 11 N.
3	Lower Chakachatna River	R. 14 W., T. 11 N.
4	Upper Middle River	R. 14 W., T. 11 N.
5	Lower Middle River	R. 13 W., T. 11 N.
6	Chakachatna River above Middle River	R. 14 W., T. 11 N.
6A	Chakachatna River above Middle River	R. 14 W., T. 11 N.
8	Upper Nouakta Slough	R. 14 W., T. 11 N.
9	Lower Nouakta Slough	R. 14 W., T. 11 N.
10	West Nouakta Slough	R. 15 W., T. 11 N.
11	Lower McArthur River	R. 14 W., T. 10 N.
12	McArthur River above Noauakta Slough	R. 15 W., T. 11 N.
13	Upper McArthur River	R. 16 W., T. 11 N.
14	Lower McArthur Canyon	R. 16 W., T. 12 N.
15	McArthur Canyon	R. 17 W., T. 12 N.
16	Upper Noauakta Slough	R. 14 W., T. 12 N.
16A	Upper Noauakta Slough	R. 14 W., T. 11 N.
17	Chakachatna River at DNR Bridge	R. 14 W., T. 12 N.
17D	Chakachatna River Below 17	R. 14 W., T. 12 N.
18	Straight Creek	R. 15 W., T. 12 N.
19	Clearwater tributary to Straight Creek	R. 14 W., T. 12 N.
19A	Clearwater tributary to Straight Creek	R. 14 W., T. 12 N.
20	Chakachatna River across from Straight Creek	R. 15 W., T. 12 N.
21	Chakachatna River across from Straight Creek	R. 15 W., T. 12 N.
22	Chakachatna River at base of canyon	R. 15 W., T. 13 N.
23	Chakachatna River in canyon	R. 15 W., T. 13 N.
24	Chakachatna River in canyon	R. 16 W., T. 13 N.
25	Chakachamna Lake	R. 17 W., T. 13 N.
26	Nagishlamina River delta	R. 18 W., T. 13 N.
27	Chakachamna Lake N. Side	R. 18 W., T. 13 N.
28	Chakachamna Lake S. Side	R. 18 W., T. 13 N.
29	Kenibuna Lake outlet	R. 20 W., T. 13 N.
30	Chilligan River	R. 20 W., T. 13 N.
31	Neacola River	R. 21 W., T. 12 N.
32	Igitna River	R. 21 W., T. 12 N.
33	Another River	R. 21 W., T. 13 N.
Streams	12.1 through 12.4, 13X	R. 15 W., T. 11 N.
Streams	12.1 through 12.4	R. 15 W., T. 12 N.
Stream	12.5	R. 14 W., T. 11 N.
Stream	13U	R. 15 W., T. 11 N.
Stream	13U	R. 16 W., T. 11 N.

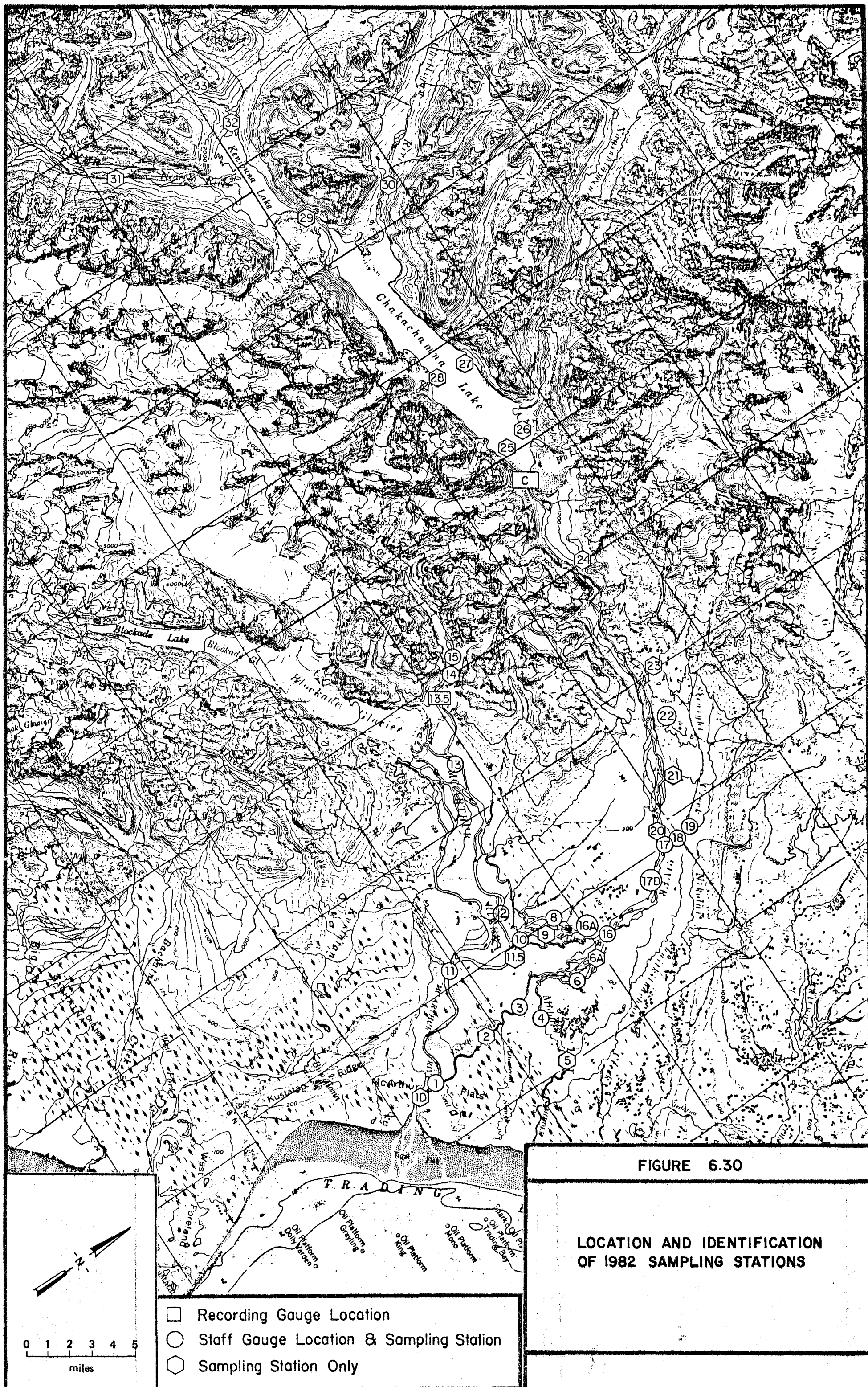


Table A.2-1. Straight Creek clearwater tributary (19) escapement surveys (100 percent of length surveyed).

Date	Chinook		Sockeye		Pink		Coho		Chum		Water Clarity
	live	carcass	live	carcass	live	carcass	live	carcass	live	carcass	
July 17	0	0	0	0	0	0	0	0	0	0	good
22	218	0	0	0	0	0	0	0	0	0	excellent
31	1099	0	275	0	0	0	0	0	0	0	excellent
Aug. 7	916	8	100	8	500	8	0	0	0	0	excellent
13	110	10	23	0	2471	5	0	0	0	0	excellent
19	18	13	8	0	3737	35	0	0	0	0	excellent
25	5	0	1	0	2184	595	0	0	0	0	good-excellent
Sept. 1	0	0	0	0	98	202	4	0	0	0	poor
11	0	0	0	0	0	2	2	0	0	0	fair ¹ - poor
24	-	-	-	-	-	-	-	-	-	-	poor ¹
30	-	-	-	-	-	-	-	-	-	-	poor ¹
Oct. 9	0	0	0	0	0	0	82	7	0	0	good
19	0	0	0	0	0	0	11	0	0	0	excellent-good

¹Visibility too poor to count.

Table A.2-2. Chakachatna Bridge area sloughs (17) escapement surveys (100 percent of length surveyed).

Date	Chinook		Sockeye		Pink		Coho		Chum		Water Clarity
	live	carcass	live	carcass	live	carcass	live	carcass	live	carcass	
July 17	0	0	0	0	0	0	0	0	0	0	good
22	0	0	0	0	0	0	0	0	0	0	good
31	0	0	13	0	13	0	0	0	0	0	good
Aug. 7	0	0	116	4	27	0	0	0	0	0	good-excellent
13	0	0	65	0	5	0	0	0	0	0	excellent
19	0	0	99	8	11	0	0	0	0	0	excellent
25	0	0	264	-	6	0	0	0	4	0	excellent
Sept. 1	0	0	433	-	0	-	-	0	3	0	excellent
11	0	0	519	42	0	0	0	0	136	9	excellent
23	0	0	103	622 ¹	0	0	396	0	863	79	excellent
30	0	0	47	110 ¹	0	0	493	45 ¹	269	607 ¹	excellent
Oct. 9	0	0	2	-	0	-	456	185	277	836	excellent
19	0	0	0	-	0	-	339	-	28	-	excellent

¹ Many too decayed to identify.

Table A.2-3. Chakachatna Canyon sloughs escapement surveys (100 percent of length surveyed).

Date	Chinook		Sockeye		Pink		Coho		Chum		Water Clarity
	live	carcass	live	carcass	live	carcass	live	carcass	live	carcass	
July 17	0	0	0	0	0	0	0	0	0	0	good
22	0	0	0	0	0	0	0	0	0	0	fair - good
31	0	0	0	0	0	0	0	0	0	0	fair - good
Aug. 7	0	0	0	2	0	0	0	0	0	0	good
12	0	0	8	0	50	0	0	0	0	0	good - fair
19	0	0	26	0	245	0	0	0	0	0	good
25	0	0	104	2	8	0	0	0	0	0	good
Sept. 1	0	0	174	3	0	0	0	0	41	0	good
9	0	0	114	18	0	0	144	0	47	14	excellent
24	0	0	103	1	0	0	90	0	32	0	excellent
30	0	0	15	5	0	0	303	4	1	4	excellent
Oct. 9	0	0	0	0	0	0	34	7	0	0	excellent
19	0	0	0	0	0	0	84	0	0	0	good

¹ Some loss of visibility due to ice.

Table A.2-4. Straight Creek mouth and sloughs escapement surveys (100 percent of length surveyed).

Date	Chinook		Sockeye		Pink		Coho		Chum		Water Clarity
	live	carcass	live	carcass	live	carcass	live	carcass	live	carcass	
July 17	0	0	0	0	0	0	0	0	0	0	poor - fair
31	0	0	0	0	0	0	0	0	0	0	fair
Aug. 7	0	0	0	0	0	0	0	0	0	0	fair - good
13	0	0	0	0	0	0	0	0	0	0	fair - good
19	0	0	0	0	0	0	0	0	0	0	good
25	0	0	27	2	0	0	0	0	0	0	good
Sept. 1	0	0	49	0	0	0	0	0	0	0	good
10	0	0	87	0	0	0	0	0	6	0	good
23	0	0	74	7	0	0	0	0	36	12	good-excellent
30	0	0	24	22	0	0	20	0	31	23	good-excellent
Oct. 9	0	0	0	0	0	0	13	32	83	39	excellent
19	0	0	0	0	0	0	45	0	8	0	excellent

Table A.2-5. Chakachatna Tributary C1, escapement surveys (100 percent of length surveyed).

Date	Chinook		Sockeye		Pink		Coho		Chum		Water Clarity
	live	carcass	live	carcass	live	carcass	live	carcass	live	carcass	
July 22	0	0	0	0	0	0	0	0	0	0	excellent
31	0	0	50 ¹	0	0	0	0	0	0	0	excellent
Aug. 17	0	0	97	18	0	0	0	0	0	0	excellent
19	0	0	58	15	0	0	0	0	0	0	excellent
25	0	0	72	7	0	0	0	0	0	0	excellent
Sept. 1	0	0	51	7	0	0	0	0	0	0	excellent
10	0	0	38	12	0	0	0	0	7	0	excellent
22	0	0	29	40	0	0	115	0	121	7	excellent
30	0	0	0	0	0	0	75	29	36	67	excellent
Oct. 9	0	0	0	0	0	0	2	3	6	18	excellent
19	0	0	0	0	0	0	0	0	0	0	excellent

¹Milling in stream.

Table A.2-6. Igitna River escapement surveys (100 percent of lower 9 miles surveyed).

Date	Sockeye		Water Clarity
	live	carcass	
July 22	0	0	good
Aug. 1	0	0	good-fair
12	0	0	good
18	23 ¹	0	good-excellent
25	164	0	good
Sept. 1	1122	5	fair-good
9	1026	9	excellent
22	578	50	excellent
30	140	46	excellent
Oct. 9	7	18	excellent

¹ Near mouth.

Table A.2-7. McArthur Tributary 13x escapement surveys (100 percent of length surveyed).

Date	Chinook		Sockeye		Pink		Coho		Chum		Water Clarity
	live	carcass	live	carcass	live	carcass	live	carcass	live	carcass	
July 22	268	0	0	0	0	0	0	0	0	0	good
31	163	0	598	0	111	0	0	0	0	0	good
Aug. 7	28	0	1332	69	363	0	0	0	0	0	excellent
12	5	3	3138	85	54	0	0	0	0	0	excellent
19	0	0	25	91	1518	130	0	0	0	0	good
25	0	0	10	10	2313	523	0	0	0	0	excellent
Sept. 1	0	0	1	0	248	317	391	0	0	0	good
9	-	-	-	-	-	-	-	-	-	-	poor ¹
10	-	-	-	-	-	-	-	-	-	-	poor ¹
24	-	-	-	-	-	-	-	-	-	-	poor ¹
25	0	0	0	0	0	0	274	5	0	0	fair
30	0	0	0	0	0	0	411	18	0	0	good
Oct. 9	0	0	0	0	0	0	85	17	0	0	good
19	0	0	0	0	0	0	0	0	0	0	excellent

¹Visibility too poor to count.

Table A.2-8. McArthur Tributary 13u escapement survey (100 percent of length surveyed).

Date	Chinook		Sockeye		Pink		Coho		Chum		Water Clarity
	live	carcass	live	carcass	live	carcass	live	carcass	live	carcass	
July 17	40	0	0	0	0	0	0	0	0	0	excellent
22	468	0	0	0	0	0	0	0	0	0	excellent
31	1122	0	280	0	0	0	0	0	0	0	excellent
Aug. 8	1179	7	618	0	227	0	0	0	0	0	excellent
13	24	0	88	0	1706	0	0	0	0	0	excellent
19	4	0	14	0	1276	146	0	0	0	0	excellent
25	0	0	13	0	2205	1363	0	0	0	0	excellent
Sept. 1	0	0	8	0	603	1370	0	0	22	0	excellent
10	0	0	9	0	12	95	4	0	3	0	excellent
25	0	0	6	0	0	0	13	0	2	0	excellent
30	0	0	0	0	0	0	6	3	0	0	excellent
Oct. 9	0	0	0	0	0	0	14	4	0	0	excellent

Table A.2-9. McArthur Tributary 12.1 escapement surveys (100 percent of length surveyed).

Date	Chinook		Sockeye		Pink		Coho		Chum		Water Clarity
	live	carcass	live	carcass	live	carcass	live	carcass	live	carcass	
July 22	0	0	0	0	0	0	0	0	0	0	excellent
31	0	0	5772	2	511	0	0	0	0	0	excellent
Aug. 8	0	0	4348	734	300	0	0	0	0	0	excellent
13	0	0	2486	501	1486	0	0	0	0	0	excellent
19	0	0	1055	959	2479	20	0	0	0	0	excellent
25	0	0	371	1085	2707	264	0	0	0	0	excellent
Sept. 1	0	0	63	0	1515	1100	0	0	0	0	excellent
10	0	0	2	0	38	23	11	0	2	0	excellent
24	0	0	0	0	0	0	844	13	2	0	good
30	0	0	0	0	0	0	780	11	0	0	excellent
Oct. 13	0	0	0	0	0	0	267	5	0	0	excellent
19	0	0	0	0	0	0	355	0	0	0	excellent

Table A.2-10. McArthur Tributary 12.2 escapement surveys (100 percent of length surveyed).

Date	Chinook		Sockeye		Pink		Coho		Chum		Water Clarity
	live	carcass	live	carcass	live	carcass	live	carcass	live	carcass	
July 22	2	0	0	0	0	0	0	0	0	0	excellent
31	0	3	414	0	40	0	0	0	0	0	excellent
Aug. 7	0	2	126	4	0	0	0	0	0	0	excellent
12	17	0	5277	549	1119	25	0	0	0	0	excellent
19	0	0	281	100	0	0	0	0	0	0	excellent
25	0	0	89	10	0	0	0	0	0	0	excellent
Sept. 1	0	0	75	33	1	0	0	0	0	0	excellent
10	0	0	23	0	0	1	3	0	0	0	excellent
24	0	0	0	0	0	0	5	0	0	0	excellent
30	0	0	0	0	0	0	38	7	0	0	excellent
Oct. 14	0	0	0	0	0	0	0	3	0	0	excellent

Table A.2-11. McArthur Canyon escapement surveys (100 percent of length surveyed).

Date	Chinook		Sockeye		Pink		Coho		Chum		Water Clarity
	live	carcass	live	carcass	live	carcass	live	carcass	live	carcass	
July 22	0	0	0	0	0	0	0	0	0	0	fair
Aug. 1	0	0	7	0	0	0	0	0	0	0	fair
7	0	0	70	0	0	0	0	0	0	0	poor
13	0	0	144	3	0	0	0	0	0	0	fair
19	0	0	189	2	0	0	0	0	0	0	fair
25	0	0	122	7	60	7	0	0	0	0	good
Sept. 1	0	0	80	18	0	0	0	0	0	0	good
9	0	0	11	8	0	0	5	0	0	0	good
24	0	0	0	0	0	0	158	0	0	0	excellent
30	0	0	0	0	0	0	464	36	0	0	excellent
Oct. 13	0	0	0	0	0	0	433	17	0	0	excellent
19	0	0	0	0	0	0	245	9	1	0	excellent

Table A.2-12. McArthur Tributary 12.3 escapement surveys (100 percent of length surveyed).

Date	Chinook		Sockeye		Pink		Coho		Chum		Water Clarity
	live	carcass	live	carcass	live	carcass	live	carcass	live	carcass	
July 22	0	0	0	0	0	0	0	0	0	0	excellent
Aug. 1	0	0	942	43	0	0	0	0	0	0	excellent
7	0	0	461	130	0	0	0	0	0	0	excellent
12	0	0	296	55	0	0	0	0	0	0	excellent
19	0	0	144	6	0	0	0	0	0	0	excellent
25	0	0	168	228	0	0	0	0	0	0	excellent
Sept. 1	0	0	65	138	4	0	0	0	0	0	excellent
10	0	0	39	2	0	0	22	0	0	0	excellent
25	0	0	21	3	0	0	21	0	0	0	excellent
30	0	0	0	0	0	0	36	6	0	0	excellent
Oct. 14	0	0	0	0	0	0	10	8	0	0	good

Table A.2-13. McArthur Tributary 12.4 escapement surveys (100 percent of length surveyed).

Date	Chinook		Sockeye		Pink		Coho		Chum		Water Clarity
	live	carcass	live	carcass	live	carcass	live	carcass	live	carcass	
July 22	0	0	0	0	0	0	0	0	0	0	excellent
Aug. 1	0	0	0	0	0	0	0	0	0	0	excellent
7	0	0	926	245	0	0	0	0	0	0	excellent
12	0	0	774	649	0	0	0	0	0	0	excellent
19	0	0	253	83	11	7	0	0	0	0	excellent
25	0	0	230	389	0	0	0	0	0	0	excellent
Sept. 1	0	0	113	117	0	0	0	0	0	0	excellent
10	0	0	20	3	0	0	0	0	0	0	excellent
25	0	0	0	0	0	0	0	0	0	0	good
30	0	0	0	0	0	0	0	0	0	0	good
Oct. 14	0	0	0	0	0	0	6	2	1	0	excellent

Table A.2-14. McArthur Tributary 12.5 escapement surveys (100 percent of length surveyed).

[illegible]

Table A.2-15. Chilligan River escapement surveys (100 percent of lower 12 miles surveyed).

Date	Sockeye		Water Clarity
	live	carcass	
July 22	0	0	good
Aug. 1	0	0	good
7	0	0	good
12	0	0	good
18	1106	0	good-excellent
25	4157	0	good-excellent
Sept. 1	12608	524	good
9	17423	1132	excellent
22	9529	1766	excellent
30	4848	1760	excellent
Oct. 9	1045	1231	excellent

APPENDIX A3
RESULTS OF WINTER-SPRING 1982 STUDIES

Fish collected are listed by method and sampling location. Locations of the sampling stations are as follows:

Station Number	Location	Map Coordinate
1	Confluence of Chakachatna River with McArthur River	R. 14 W., T. 10 N.
1D	McArthur River	R. 14 W., T. 10 N.
2	Lower Chakachatna River	R. 14 W., T. 11 N.
3	Lower Chakachatna River	R. 14 W., T. 11 N.
4	Upper Middle River	R. 14 W., T. 11 N.
5	Lower Middle River	R. 13 W., T. 11 N.
6	Chakachatna River above Middle River	R. 14 W., T. 11 N.
6A	Chakachatna River above Middle River	R. 14 W., T. 11 N.
8	Upper Nouakta Slough	R. 14 W., T. 11 N.
9	Lower Nouakta Slough	R. 14 W., T. 11 N.
10	West Nouakta Slough	R. 15 W., T. 11 N.
11	Lower McArthur River	R. 14 W., T. 10 N.
12	McArthur River above Noauakta Slough	R. 15 W., T. 11 N.
13	Upper McArthur River	R. 16 W., T. 11 N.
14	Lower McArthur Canyon	R. 16 W., T. 12 N.
15	McArthur Canyon	R. 17 W., T. 12 N.
16	Upper Noauakta Slough	R. 14 W., T. 12 N.
16A	Upper Noauakta Slough	R. 14 W., T. 11 N.
17	Chakachatna River at DNR Bridge	R. 14 W., T. 12 N.
17D	Chakachatna River Below 17	R. 14 W., T. 12 N.
18	Straight Creek	R. 15 W., T. 12 N.
19	Clearwater tributary to Straight Creek	R. 14 W., T. 12 N.
19A	Clearwater tributary to Straight Creek	R. 14 W., T. 12 N.
20	Chakachatna River across from Straight Creek	R. 15 W., T. 12 N.
21	Chakachatna River across from Straight Creek	R. 15 W., T. 12 N.
22	Chakachatna River at base of canyon	R. 15 W., T. 13 N.
23	Chakachatna River in canyon	R. 15 W., T. 13 N.
24	Chakachatna River in canyon	R. 16 W., T. 13 N.
25	Chakachamna Lake	R. 17 W., T. 13 N.
26	Nagishlamina River delta	R. 18 W., T. 13 N.
27	Chakachamna Lake N. Side	R. 18 W., T. 13 N.
28	Chakachamna Lake S. Side	R. 18 W., T. 13 N.
29	Kenibuna Lake outlet	R. 20 W., T. 13 N.
30	Chilligan River	R. 20 W., T. 13 N.
31	Neacola River	R. 21 W., T. 12 N.
32	Igitna River	R. 21 W., T. 12 N.
33	Another River	R. 21 W., T. 13 N.
Streams	12.1 through 12.4, 13X	R. 15 W., T. 11 N.
Streams	12.1 through 12.4	R. 15 W., T. 12 N.
Stream	12.5	R. 14 W., T. 11 N.
Stream	13U	R. 15 W., T. 11 N.
Stream	13U	R. 16 W., T. 11 N.

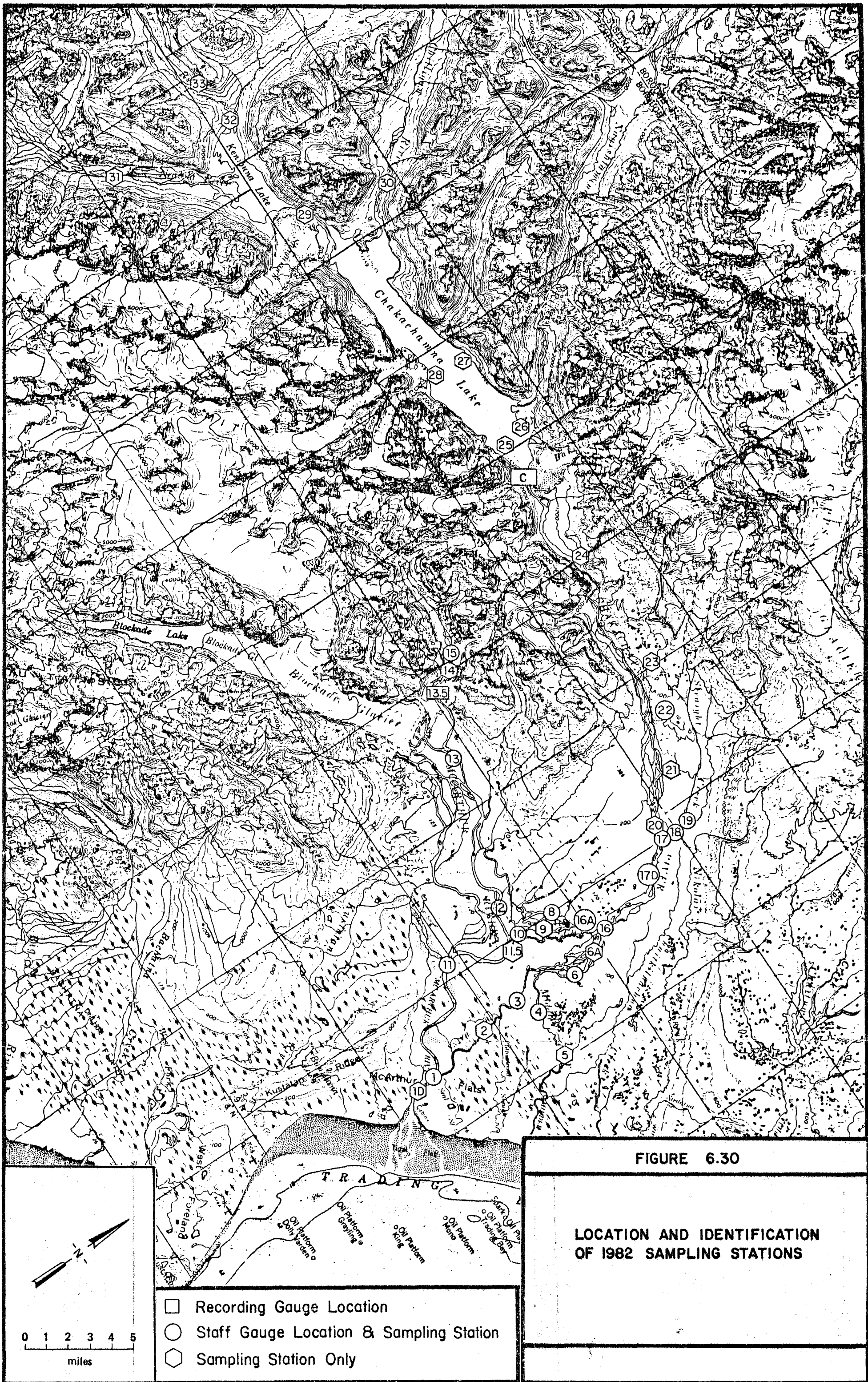


TABLE: 1

STATION: 17

DATE: March 20, 1982

LOCATION: Chakachatna River (Bridge Area)

Left (south) Bank

Slough/side channel (LB₊₀)

TECHNIQUE: Minnow Trap

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	1			7.1
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)	Adult	1			9.3

TABLE: 2

STATION: 17

DATE: March 19, 1982

LOCATION: Chakachatna River Bridge

Left (south) Bank/ Slough (LB₊₀)

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	1			2.1
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)	Parr Yolk-sac fry	12	2.2	2.6	3.0
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr Yolk-sac fry	9	2.9	3.0	3.1
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Parr Yolk-sac fry	3	2.6	2.9	3.4
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr Yolk-sac fry	2	2.4	2.9	3.5
Slimy sculpin (<u>Cottus cognatus</u>)	Juveniles	4	2.6	2.7	2.8
Whitefish sp. (<u>Prosopium</u> sp.)		2	2.2	2.8	3.4

TABLE: 3

STATION: 17

DATE: March 19, 1982

LOCATION: Chakachatna River Bridge

Right (North) Bank

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	2	3.9	3.9	3.9
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr	1			5.3
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)					

TABLE: 4

STATION: 13

DATE: March 20, 1982

LOCATION: McArthur River (Upper River)

Main Channel

TECHNIQUE: Minnow Trap

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	2	9.4	11.2	13.1
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)		2 (observed)			
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Parr	1			2.6
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)					

TABLE: 5

STATION: 29

DATE: May 25, 1982

LOCATION: Kenibuna Lake Outlet

Downstream Side Channel

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)					
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)	Adult	1			
Whitefish sp. Unidentifiable sp.					

TABLE: 6

STATION: 29

DATE: May 25, 1982

LOCATION: Kenibuna Lake Outlet
(Downstream Area)

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)					
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)	Juvenile	2			
Whitefish sp. (<u>Prosopium</u> sp.)					

TABLE: 7

STATION: 22

DATE: May 25, 1982

LOCATION: Chakachatna River
Base of Canyon

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	2			
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)					
Whitefish sp. (<u>Prosopium sp.</u>)	Juvenile	1			

TABLE: 8

STATION: 17

DATE: May 27, 1982

LOCATION: Chakachatna River (Bridge Area)

Left Bank side channel (LB₊₂)

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)	Adult	1			28.6
Dolly Varden (<u>Salvelinus malma</u>)	Parr	5	2.4	4.6	7.9
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)	Parr	1			3.7
	Adult	1			35.3
Chum salmon (<u>Oncorhynchus keta</u>)	Parr	1			3.1
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr	5	3.4	3.6	4.1
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Parr	45 (27 No Lengths)	3.2	4.1	4.5
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	2	3.6	3.8	4.1
Slimy sculpin (<u>Cottus cognatus</u>)					

TABLE: 9

STATION: 17

DATE: May 27, 1982

LOCATION: Chakachatna River (Bridge Area)

Left Bank Slough/side Channel (LB₊₀) Upstream Area

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	1			3.2
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)	Smolting Up	4	3.0	3.1	3.3
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Parr	8	2.6	3.3	3.8
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	3	3.4	3.5	3.7
Slimy sculpin (<u>Cottus cognatus</u>)	Juveniles	5 (No Length)			

TABLE: 10

STATION: 17

DATE: May 27, 1982

LOCATION: Chakachatna River (Bridge Area)

Left Bank Slough/Downstream Area

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	16	7.3	9.1	14.1
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)	Parr/Some Smolting Up	7	1.9	2.5	3.7
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Parr	12	2.8	3.3	3.7
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	12	3.1	3.6	4.3
Slimy sculpin (<u>Cottus cognatus</u>)	Juvenile	3 (No Length)			0

TABLE: 11

STATION: 5

DATE: May 25, 1982

LOCATION: Middle River

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)					
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)	Adult	3			
Three-spine Stickleback (<u>Gasterosteus aculeatus</u>)	Adult	1			

TABLE: 12

STATION: 10

DATE: May 25, 1982

LOCATION: Noaukta Slough

Main Channel and Backwater

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr-Juveniles	13	7.3	15.9	26.2
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr	8	6.8	8.9	11.9
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)		3 (No Length)	--	--	--

TABLE: 13

STATION: 18

DATE: May 27, 1982

LOCATION: Straight Creek Right Bank

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr Juveniles	7 3	5.5 11.1	8.2 12.0	9.9 12.7
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr	3 (1 No Length)	5.0	5.7	6.4
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	2	7.0	7.1	7.2
Slimy sculpin (<u>Cottus cognatus</u>)		1 (No Length)	--	--	--

TABLE: 14

STATION: 15

DATE: May 25, 1982

LOCATION: McArthur River
(Powerhouse Area)

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	36 (16 No Lengths)	2.8	5.4	10.4
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr	7	3.5	3.4	4.4
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Parr	11 (1 No Length)	2.6	3.0	3.4
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	19 (3 No Length)	2.0	3.5	4.1
Slimy sculpin (<u>Cottus cognatus</u>)	----	1 (1 No Length)			
Whitefish sp. (<u>Prosopium sp.</u>)	Parr	1			3.3

TABLE: 15

STATION: 13

DATE: May 26, 1982

LOCATION: McArthur River (Below Canyon) TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	20	2.4	6.2	11.6
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr	2	5.7	6.1	6.5
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	1			5.2
Slimy sculpin (<u>Cottus cognatus</u>)		1 (1 No Length)			--

TABLE: 16

STATION: 31

DATE: June 8, 1982

LOCATION: Neacola River

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)	Jv-Adult	1			20.4
Dolly Varden (<u>Salvelinus malma</u>)	Parr	3	5.0	6.7	9.1
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)	Juveniles	6 (4 No Length)	3.6	3.9	4.2

TABLE 17

LOCATION Neacola River Pond Site

STATION 31

DATE June 8, 1982

TECHNIQUE Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	1	11.7		
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)	Juvenile	5	not measured		

TABLE: 18

STATION: 33

DATE: June 3, 1982

LOCATION: Another River Riffle and Pool

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	13	2.2	7.3	12.5
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)		5 (No Length)			

TABLE: 19

LOCATION: Igitna River

STATION: 32

TECHNIQUE: Electroshocking

DATE: June 8, 1982

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	11 (1 escaped) (No Length)	5.2	8.3	13.2
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)					

TABLE: 20
LOCATION: Chilligan River

STATION: 30
TECHNIQUE: Electroshocking

DATE: June 11, 1982

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	4 (1 No Length)	3.3	4.5	6.8
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Parr	14 (1 No Length)	2.9	3.1	3.3
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)	Juvenile	1			2.0

TABLE: 21

STATION: 24

DATE: June 10, 1982

LOCATION: Upper Chakachatna Canyon

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	juvenile	3 1 escaped	11.4	15.4	19.4
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)					

TABLE: 22

STATION: 22

DATE: June 10, 1982

LOCATION: Chakachatna River

(Lower Canyon Station)

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	28	3.2	8.1	12.8
Lake trout (<u>Salvelinus namaycush</u>)	Parr	1			8.7
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Parr	1			8.8
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)					

TABLE: 23

STATION: 20

DATE: June 10, 1982

LOCATION: Summer 1981 Site Upstream of Bridge

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)	juvenile	1			12.2
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	17 (5 No Length)	7.1	8.8	12.3
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr	1			4.1
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Parr	11 (1 No Length)	4.4	6.2	7.5
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	8	3.0	3.6	4.6
Slimy sculpin (<u>Cottus cognatus</u>)					

TABLE: 24

STATION: 17

DATE: June 11, 1982

LOCATION: Chakachatna River (Main Channel)

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	17	2.2	5.6	14.6
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr	7	3.1	3.8	6.3
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)	Jv-Adults	11 (9 No Length)	3.0	5.8	8.7

TABLE: 25

STATION: 17

DATE: June 11, 1982

LOCATION: Chakachatna River

Side Channel below Bridge (LB+2)

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	19	2.3	7.4	12.6
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)	Parr	9	3.3	3.6	3.9
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr	2	3.4	5.0	6.6
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Parr	20	3.3	3.8	4.6
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	1			3.6
Slimy sculpin (<u>Cottus cognatus</u>)	Juvenile	1			2.3

TABLE: 26

STATION: 1

DATE: June 9, 1982

LOCATION: Lower Chakachatna River

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)					
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)	Smolt	1			4.0
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Smolt	1			7.1
Slimy sculpin (<u>Cottus cognatus</u>)	Juvenile	2	3.5	3.5	3.6
Three-Spine Stickleback (<u>Gasterosteus aculeatus</u>)	Adults	4	7.1	7.7	8.4

TABLE: 27

STATION: 5

DATE: June 10, 1982

LOCATION: Middle River

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)					
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)	Smolting up	3	8.1	9.4	11.4
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Parr	2	6.5	7.0	7.6
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Three-spine Stickleback (<u>Gasterosteus aculeatus</u>)	Adult	5	7.4	7.4	8.1

TABLE: 28

LOCATION: Noaukta Slough

STATION: 16A

TECHNIQUE: Electroshocking

DATE: June 10, 1982

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)	juvenile	1			6.0
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	16	3.4	6.8	11.1
Lake trout (<u>Salvelinus namaycush</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)	Parr	9	3.2	3.6	3.9
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr	8	3.3	5.5	12.2
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Parr	26	2.8	3.9	4.6
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	10 (1 No Length)	3.3	3.7	4.2
Slimy sculpin (<u>Cottus cognatus</u>)	Adults	8 (6 No Length)	5.0	6.1	7.2
Nine-spine Stickleback (<u>Pungitius pungitius</u>)	Adults	1			6.8

TABLE: 29

STATION: 16A

DATE: June, 10, 1982

LOCATION: Noaukta Slough Back Water Station

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	2	3.6	4.3	5.0
Lake trout (<u>Salvelinus namaycush</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)	Parr	2	2.8	3.3	3.9
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr	18	4.1	7.2	11.2
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Parr	6	3.2	4.1	5.0
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	13	3.2	3.7	4.9
Slimy sculpin (<u>Cottus cognatus</u>)	Juveniles	3	2.8	4.9	6.7
Nine-spine Stickleback (<u>Pungitius pungitius</u>)	Adult	2	5.9	6.4	6.9

TABLE: 30

STATION: 10

DATE: June 11, 1982

LOCATION: Noaukta Slough

(Winter Survey Station)

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)	Juvenile	1			6.5
Round whitefish (<u>Prosopium cylindraceum</u>)	Parr	1			7.0
Dolly Varden (<u>Salvelinus malma</u>)	Parr	7	5.8	7.7	10.6
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr	1			6.6
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Parr	1			4.0
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	2	3.2	3.4	3.6
Slimy sculpin (<u>Cottus cognatus</u>)	Jv-Adults	8	5.8	8.0	10.4
Whitefish sp. (<u>Prosopium</u> sp.)	Parr	1			6.2

TABLE: 31

LOCATION: Straight Creek

STATION: 18

TECHNIQUE: Electroshocking

DATE: June 11, 1982

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	23	4.0	7.6	11.6
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr	4	6.0	6.3	6.5
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	6	3.6	4.8	6.6
Slimy sculpin (<u>Cottus cognatus</u>)	Juvenile	1			8.8

TABLE: 32

STATION: 15 Upper

DATE: June 9, 1982

LOCATION: McArthur Power House

(Normal Sampling Location)

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	43 (32 No Length)	2.7	4.3	6.0
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	10	3.7	4.3	5.1
Slimy sculpin (<u>Cottus cognatus</u>)					

TABLE: 33

STATION: 15 Lower

DATE: June 9, 1982

LOCATION: McArthur River Power Station

Lower Station

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	11	2.3	3.1	4.2
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	3 (1 No Length)	3.1	3.1	3.2
Slimy sculpin (<u>Cottus cognatus</u>)	Juvenile	3 (1 No Length)	2.3	2.5	2.7

TABLE: 34

STATION: 13

DATE: June 9, 1982

LOCATION: McArthur River Overwinter Area TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)	Adult	1			15.2
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	17 (5 No Length)	3.4	6.2	9.9
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr	2	6.5	10.2	14.0
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Parr	2	3.3	3.4	3.6
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	1		3.8	
Slimy sculpin (<u>Cottus cognatus</u>)					

TABLE: 35

STATION: 12

DATE: June 9, 1982

LOCATION: McArthur River

Near Noaukta Slough

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	1			9.1
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)					
Three-spine Stickleback (<u>Gasterosteus aculeatus</u>)	Adult	1			8.1

TABLE: 36

STATION: 11.5

DATE: June 9, 1982

LOCATION: Lower McArthur River

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	1			6.1
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr	4	11.0	12.4	13.4
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)					

TABLE: 37

STATION: 11

DATE: June 9, 1982

LOCATION: Lower McArthur River

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)		3 (1 No Length)	5.3	5.4	5.5
Round whitefish (<u>Prosopium cylindraceum</u>)	Juveniles	4	5.6	6.4	7.5
Dolly Varden (<u>Salvelinus malma</u>)	Parr	1			5.2
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)	Smolt	25	3.4 (15 No Length)	4.1	4.9
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr	2	8.0	8.3	8.7
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Parr-smolt	19	2.8 (9 No Length)	5.1	7.0
Eulachon (<u>Thaeleichthys pacificus</u>)	Adults	6	19.8	22.0	23.9
Three-spine Stickleback (<u>Gasterosteus aculeatus</u>)	Adults	2	7.3	8.3	9.3

TABLE: 38

STATION: 1D

DATE: June 9, 1982

LOCATION: Lower McArthur River

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)					
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)	Smolt	2	4.3	4.5	4.8
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Smolt	1			4.0
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Eulachon (<u>Thaleichthys pacificus</u>)	Adults	28	19.2	22.2	24.5

TABLE: 39

LOCATION: Side Channel Below Bridge (LB₊₂)

STATION: 17 (LB)

DATE: June 25, 1982

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)	Jv-Adult	2	10.6	11.4	12.2
Round whitefish (<u>Prosopium cylindraceum</u>)	Adult	1			30.0
Dolly Varden (<u>Salvelinus malma</u>)	Parr	17	2.8	6.8	13.6
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)	Parr	1			3.3
	Adult	1			33.6
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr	2	4.2	4.2	4.3
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Parr	3	3.7	4.0	4.3
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	9 (2 No Lengths)	3.4	3.5	3.8
Slimy sculpin (<u>Cottus cognatus</u>)	Jv-Adults	15 (2 No Lengths)	2.8	4.4	9.7

TABLE: 40

STATION: 4

DATE: June 24, 1982

LOCATION: Upper Middle River

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr Juvenile	3 2	7.4 13.5	8.5 15.2	9.6 16.9
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)	Juvenile	1			5.4

TABLE: 41

STATION: 5

DATE: June 25, 1982

LOCATION: Middle River Lower-Mid

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)					
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Smolt Parr	2 4	4.7 3.6	5.0 3.7	5.4 4.4
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)					

TABLE: 42

LOCATION: Clearwater Tributary

STATION: 19

TECHNIQUE: Electroshocking

DATE: June 25, 1982

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)					
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	2	3.8	3.9	4.0
Slimy sculpin (<u>Cottus cognatus</u>)					

TABLE: 43

STATION: 15

DATE: June 24, 1982

LOCATION: McArthur River

Power House Sampling Site

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	14 (1 No Length)	2.5	4.5	11.3
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)					
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	3	3.2	3.2	3.3
Slimy sculpin (<u>Cottus cognatus</u>)	Juvenile	1		3.3	

TABLE: 44

STATION: 13

DATE: June 24, 1982

LOCATION: McArthur River Winter Station

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)	Parr	1			5.3
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)	Parr	12	2.1	5.3	7.0
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)					
Coho salmon (<u>Oncorhynchus kisutch</u>)	Parr	8	3.2	3.8	4.3
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Parr Smolt	14 4	3.2 4.2	3.8 4.3	4.3 4.6
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)	Parr	7	3.5	3.9	4.3
Slimy sculpin (<u>Cottus cognatus</u>)					

TABLE: 45

LOCATION: Lower McArthur River
 1-2 miles Downstream from
 Confluence of Chakachamna River

STATION: 1D

DATE: June 24, 1982

TECHNIQUE: Electroshocking

Species	Life Stage	Number Collected	Minimum Length (cm)	Mean Length (cm)	Maximum Length (cm)
Pygmy whitefish (<u>Prosopium coulteri</u>)					
Round whitefish (<u>Prosopium cylindraceum</u>)					
Dolly Varden (<u>Salvelinus malma</u>)					
Lake trout (<u>Salvelinus namaycush</u>)					
Rainbow trout (<u>Salmo gairdneri</u>)					
Chum salmon (<u>Oncorhynchus keta</u>)	Smolt	2	4.2	4.4	4.6
Coho salmon (<u>Oncorhynchus kisutch</u>)					
Sockeye salmon (<u>Oncorhynchus nerka</u>)	Smolt	2	4.1	4.3	4.6
Chinook salmon (<u>Oncorhynchus tshawytscha</u>)					
Slimy sculpin (<u>Cottus cognatus</u>)					

APPENDIX A4
RESULTS OF SUMMER - FALL 1982 STUDIES

Fish collected are listed by method and sampling location. Locations of the sampling stations are as follows:

Station Number	Location	Map Coordinate
1	Confluence of Chakachatna River with McArthur River	R. 14 W., T. 10 N.
1D	McArthur River	R. 14 W., T. 10 N.
2	Lower Chakachatna River	R. 14 W., T. 11 N.
3	Lower Chakachatna River	R. 14 W., T. 11 N.
4	Upper Middle River	R. 14 W., T. 11 N.
5	Lower Middle River	R. 13 W., T. 11 N.
6	Chakachatna River above Middle River	R. 14 W., T. 11 N.
6A	Chakachatna River above Middle River	R. 14 W., T. 11 N.
8	Upper Nouakta Slough	R. 14 W., T. 11 N.
9	Lower Nouakta Slough	R. 14 W., T. 11 N.
10	West Nouakta Slough	R. 15 W., T. 11 N.
11	Lower McArthur River	R. 14 W., T. 10 N.
12	McArthur River above Noauakta Slough	R. 15 W., T. 11 N.
13	Upper McArthur River	R. 16 W., T. 11 N.
14	Lower McArthur Canyon	R. 16 W., T. 12 N.
15	McArthur Canyon	R. 17 W., T. 12 N.
16	Upper Noauakta Slough	R. 14 W., T. 12 N.
16A	Upper Noauakta Slough	R. 14 W., T. 11 N.
17	Chakachatna River at DNR Bridge	R. 14 W., T. 12 N.
17D	Chakachatna River Below 17	R. 14 W., T. 12 N.
18	Straight Creek	R. 15 W., T. 12 N.
19	Clearwater tributary to Straight Creek	R. 14 W., T. 12 N.
19A	Clearwater tributary to Straight Creek	R. 14 W., T. 12 N.
20	Chakachatna River across from Straight Creek	R. 15 W., T. 12 N.
21	Chakachatna River across from Straight Creek	R. 15 W., T. 12 N.
22	Chakachatna River at base of canyon	R. 15 W., T. 13 N.
23	Chakachatna River in canyon	R. 15 W., T. 13 N.
24	Chakachatna River in canyon	R. 16 W., T. 13 N.
25	Chakachamna Lake	R. 17 W., T. 13 N.
26	Nagishlamina River delta	R. 18 W., T. 13 N.
27	Chakachamna Lake N. Side	R. 18 W., T. 13 N.
28	Chakachamna Lake S. Side	R. 18 W., T. 13 N.
29	Kenibuna Lake outlet	R. 20 W., T. 13 N.
30	Chilligan River	R. 20 W., T. 13 N.
31	Neacola River	R. 21 W., T. 12 N.
32	Igitna River	R. 21 W., T. 12 N.
33	Another River	R. 21 W., T. 13 N.
Streams	12.1 through 12.4, 13X	R. 15 W., T. 11 N.
Streams	12.1 through 12.4	R. 15 W., T. 12 N.
Stream	12.5	R. 14 W., T. 11 N.
Stream	13U	R. 15 W., T. 11 N.
Stream	13U	R. 16 W., T. 11 N.

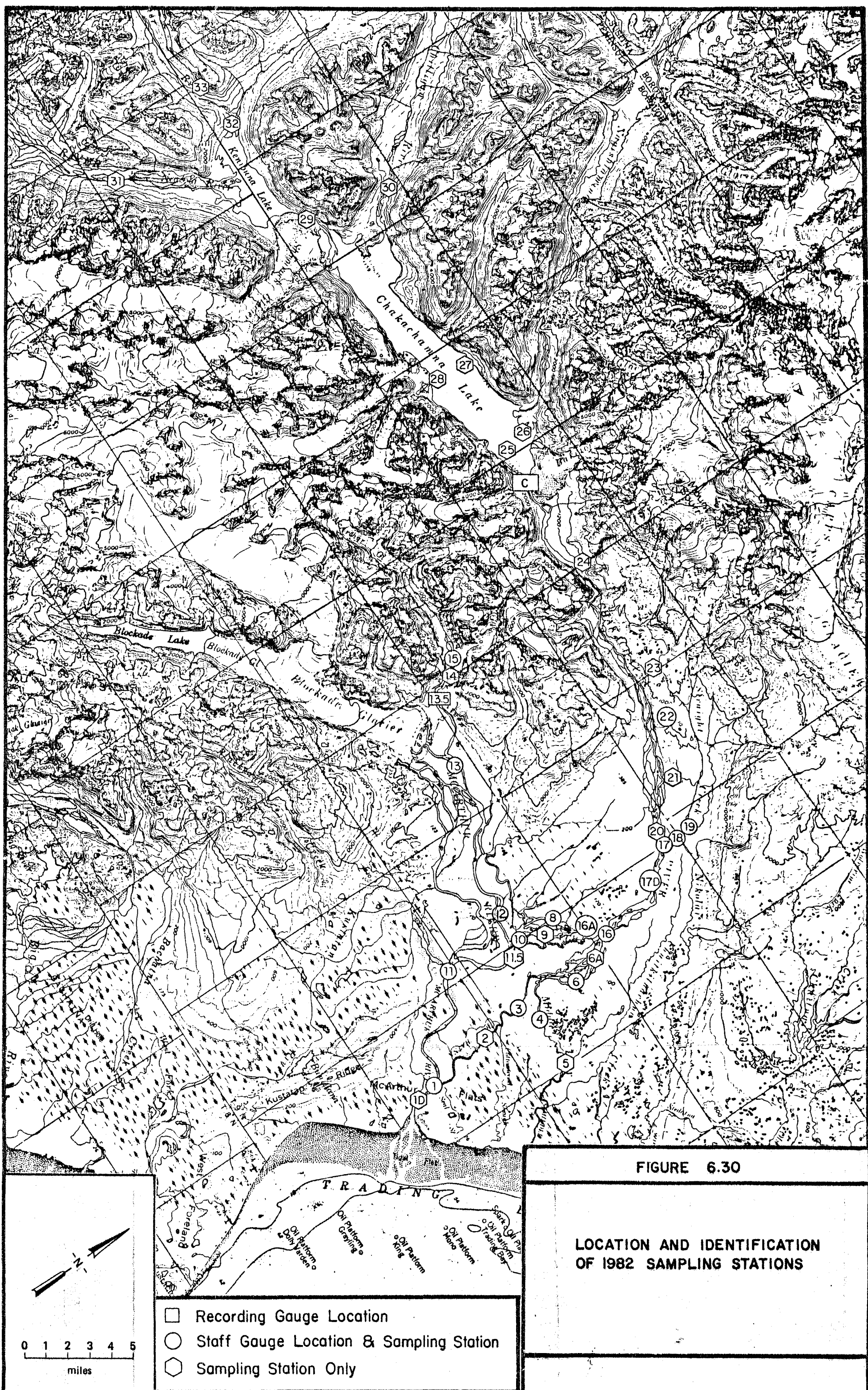


TABLE 01 . SUMMARY OF RESULTS: MINNOW TRAP SAMPLES
AUGUST, 1982

PAGE 1.

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0006	100882	01	NO FISH		2	0.00	0.00	0	0.000	0.000	0
		02	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		03	DOLLY VARDEN	PARR	1	8.00	0.00	1	0.000	0.000	0
		04	DOLLY VARDEN	PARR	1	0.00	0.00	0	0.000	0.000	0
		04	SLIMY SCULPIN		2	0.00	0.00	0	0.000	0.000	0
	110882	05	DOLLY VARDEN	PARR	4	12.03	1.72	4	0.000	0.000	0
		06	SLIMY SCULPIN	JUVENILE	1	8.00	0.00	1	0.000	0.000	0
		07	DOLLY VARDEN	PARR	1	9.80	0.00	1	0.000	0.000	0
		07	DOLLY VARDEN	JUVENILE	1	13.70	0.00	1	0.000	0.000	0
		07	SLIMY SCULPIN	JUVENILE	1	7.40	0.00	1	0.000	0.000	0
		08	TRAP MISSING		1	0.00	0.00	0	0.000	0.000	0
0010	150882	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	DOLLY VARDEN	PARR	4	7.78	1.95	4	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	2	7.65	0.64	2	0.000	0.000	0
		03	TRAP BURIED		1	0.00	0.00	0	0.000	0.000	0
		04	DOLLY VARDEN	PARR	2	8.60	0.99	2	0.000	0.000	0
		04	SLIMY SCULPIN	JUVENILE	1	6.70	0.00	1	0.000	0.000	0
0011	110882	01	DOLLY VARDEN	PARR	3	12.10	2.95	3	0.000	0.000	0
		01	THREE-SPINE STICKLEBACK	ADULT	1	8.00	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	PARR	2	12.60	0.57	2	0.000	0.000	0
		02	THREE-SPINE STICKLEBACK	ADULT	2	7.60	0.57	2	0.000	0.000	0
		03	DOLLY VARDEN	PARR	1	10.60	0.00	1	0.000	0.000	0
		03	THREE-SPINE STICKLEBACK		2	7.75	0.35	2	0.000	0.000	0
		04	DOLLY VARDEN	PARR	2	11.00	0.85	2	0.000	0.000	0
		04	THREE-SPINE STICKLEBACK		1	9.40	0.00	1	0.000	0.000	0
0013	170882	01	COHO (SILVER) SALMON	PARR	1	5.40	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	PARR	2	7.00	0.14	2	0.000	0.000	0
		03	DOLLY VARDEN	PARR	3	9.43	2.28	3	0.000	0.000	0
		04	DOLLY VARDEN	PARR	1	11.00	0.00	1	0.000	0.000	0
0015	170882	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		03	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		04	NO FISH		1	0.00	0.00	0	0.000	0.000	0
0016	160882	01	DOLLY VARDEN	PARR	7	8.76	0.86	7	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	1	6.90	0.00	1	0.000	0.000	0
		03	DOLLY VARDEN	PARR	3	9.67	0.99	3	0.000	0.000	0
		03	DOLLY VARDEN	JUVENILE	1	14.20	0.00	1	0.000	0.000	0

TABLE 01 . SUMMARY OF RESULTS: MINNOW TRAP SAMPLES
AUGUST, 1982

PAGE 2

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0016	160882	04	SLIMY SCULPIN	JUVENILE	2	7.35	0.07	2	0.000	0.000	0
		05	SLIMY SCULPIN	JUVENILE	1	8.00	0.00	1	0.000	0.000	0
0019	130882	01	DOLLY VARDEN	PARR	5	9.58	1.78	5	0.000	0.000	0
		01	COHO (SILVER) SALMON	PARR	2	6.45	0.07	2	0.000	0.000	0
		01	CHINOOK (KING) SALMON	PARR	7	5.69	0.44	7	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	1	7.70	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	PARR	6	10.26	1.17	5	0.000	0.000	0
		02	COHO (SILVER) SALMON	PARR	1	5.70	0.00	1	0.000	0.000	0
		02	CHINOOK (KING) SALMON	PARR	4	5.63	0.21	4	0.000	0.000	0
		02	RAINBOW TROUT	PARR	1	8.80	0.00	1	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	1	7.80	0.00	1	0.000	0.000	0
		02	SLIMY SCULPIN	ADULT	2	12.60	4.10	1	0.000	0.000	0
		03	DOLLY VARDEN	PARR	3	11.90	1.84	3	0.000	0.000	0
		03	SLIMY SCULPIN	JUVENILE	1	7.40	0.00	1	0.000	0.000	0
		04	DOLLY VARDEN	PARR	1	0.00	0.00	0	0.000	0.000	0
		04	COHO (SILVER) SALMON	PARR	4	5.77	0.59	3	0.000	0.000	0
		04	CHINOOK (KING) SALMON		1	6.00	0.00	1	0.000	0.000	0
		04	CHINOOK (KING) SALMON	PARR	13	5.93	0.41	12	0.000	0.000	0
		05	DOLLY VARDEN	PARR	11	7.93	2.18	11	0.000	0.000	0
		05	COHO (SILVER) SALMON	PARR	3	7.37	1.60	3	0.000	0.000	0
		05	CHINOOK (KING) SALMON	PARR	3	5.53	0.15	3	0.000	0.000	0
		05	RAINBOW TROUT	PARR	2	7.55	0.64	2	0.000	0.000	0
		06	DOLLY VARDEN	PARR	6	9.68	1.37	6	0.000	0.000	0
		06	COHO (SILVER) SALMON	PARR	2	6.25	0.35	2	0.000	0.000	0
		06	CHINOOK (KING) SALMON	JUVENILE	1	14.00	0.00	1	0.000	0.000	0
		07	DOLLY VARDEN	PARR	5	7.78	1.99	5	0.000	0.000	0
		07	COHO (SILVER) SALMON	PARR	7	5.14	1.32	7	0.000	0.000	0
		07	CHINOOK (KING) SALMON	PARR	2	5.30	0.71	2	0.000	0.000	0
		07	RAINBOW TROUT	PARR	1	6.50	0.00	1	0.000	0.000	0
		08	DOLLY VARDEN	PARR	7	8.17	1.05	7	0.000	0.000	0
		08	COHO (SILVER) SALMON	PARR	6	5.93	0.72	6	0.000	0.000	0
		09	DOLLY VARDEN	PARR	8	10.58	2.28	8	0.000	0.000	0
		09	COHO (SILVER) SALMON	PARR	2	8.20	3.96	2	0.000	0.000	0
		09	CHINOOK (KING) SALMON	PARR	2	6.80	0.00	2	0.000	0.000	0
		09	SLIMY SCULPIN	JUVENILE	2	8.55	0.64	2	0.000	0.000	0
		10	DOLLY VARDEN	PARR	4	9.20	1.23	4	0.000	0.000	0
0022	160882	01	DOLLY VARDEN	PARR	3	11.60	2.34	3	0.000	0.000	0
		02	DOLLY VARDEN	PARR	1	11.40	0.00	1	0.000	0.000	0
		06	DOLLY VARDEN	PARR	5	9.30	1.65	5	0.000	0.000	0
		06	SLIMY SCULPIN	JUVENILE	2	9.70	0.00	2	0.000	0.000	0

TABLE 01 . SUMMARY OF RESULTS: MINNOW TRAP SAMPLES
AUGUST, 1982

PAGE 3

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0023	140882	01	DOLLY VARDEN	PARR	1	12.80	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	PARR	4	9.55	2.00	4	0.000	0.000	0
		02	DOLLY VARDEN	JUVENILE	1	13.10	0.00	1	0.000	0.000	0
		03	DOLLY VARDEN	PARR	3	9.67	2.12	3	0.000	0.000	0
		04	TRAP MANGLED BY BEAR		1	0.00	0.00	0	0.000	0.000	0
0027	200882	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	NO FISH		1	0.00	0.00	0	0.000	0.000	0
0028	190882	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		03	NO FISH		1	0.00	0.00	0	0.000	0.000	0
006A	240882	01	SLIMY SCULPIN		2	8.30	0.99	2	0.000	0.000	0
		02	DOLLY VARDEN	JUVENILE	6	11.40	1.45	6	0.000	0.000	0
		02	DOLLY VARDEN	ADULT	4	14.75	0.59	4	0.000	0.000	0
		03	DOLLY VARDEN	JUVENILE	10	11.68	2.19	9	0.000	0.000	0
		03	SLIMY SCULPIN		1	10.00	0.00	1	0.000	0.000	0
016A	160882	02	DOLLY VARDEN	PARR	5	10.54	1.70	5	0.000	0.000	0
		03	DOLLY VARDEN	PARR	4	12.23	2.30	4	0.000	0.000	0

TABLE 02 . SUMMARY OF RESULTS: MINNOW TRAP SAMPLES
SEPTEMBER, 1982

PAGE 1

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0001	140982	01	DOLLY VARDEN	PARR	3	9.27	2.04	3	0.007	0.008	3
		01	COHO (SILVER) SALMON	PARR	1	6.80	0.00	1	0.003	0.000	1
		02	DOLLY VARDEN	PARR	1	10.30	0.00	1	0.000	0.000	0
		03	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		04	NO FISH		1	0.00	0.00	0	0.000	0.000	0
0002	140982	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	1	7.20	0.00	1	0.003	0.000	1
		03	PYGMY WHITE FISH	PARR	1	6.10	0.00	1	0.001	0.000	1
		04	DOLLY VARDEN	PARR	1	9.30	0.00	1	0.004	0.000	1
		04	COHO (SILVER) SALMON	PARR	5	6.50	1.57	5	0.002	0.002	5
		04	THREE-SPINE STICKLEBACK	ADULT	1	8.60	0.00	1	0.005	0.000	1
0003	140982	01	COHO (SILVER) SALMON	PARR	1	6.90	0.00	1	0.001	0.000	1
		02	DOLLY VARDEN	PARR	1	8.60	0.00	1	0.006	0.000	1
		03	COHO (SILVER) SALMON	PARR	1	6.00	0.00	1	0.001	0.000	1
		04	DOLLY VARDEN	PARR	1	10.50	0.00	1	0.006	0.000	1
		04	DOLLY VARDEN	JUVENILE	1	12.90	0.00	1	0.016	0.000	1
		04	COHO (SILVER) SALMON	PARR	1	8.20	0.00	1	0.005	0.000	1
0004	200982	01	DOLLY VARDEN	PARR	4	10.25	0.39	4	0.007	0.001	4
		02	SLIMY SCULPIN	ADULT	2	9.80	1.13	2	0.008	0.006	2
		03	DOLLY VARDEN	JUVENILE	1	14.10	0.00	1	0.020	0.000	1
		03	DOLLY VARDEN	PARR	1	9.70	0.00	1	0.005	0.000	1
		04	SLIMY SCULPIN	JUVENILE	1	8.20	0.00	1	0.003	0.000	1
0005	200982	01	THREE-SPINE STICKLEBACK	ADULT	1	8.40	0.00	1	0.005	0.000	1
		02	SLIMY SCULPIN	ADULT	1	9.00	0.00	1	0.006	0.000	1
		02	THREE-SPINE STICKLEBACK	JUVENILE	1	5.70	0.00	1	0.001	0.000	1
		03	SLIMY SCULPIN	ADULT	1	9.30	0.00	1	0.006	0.000	1
		04	SLIMY SCULPIN	ADULT	1	10.30	0.00	1	0.010	0.000	1
0006	200982	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	5	6.46	1.74	5	0.002	0.002	5
		03	TRAP MISSING		1	0.00	0.00	0	0.000	0.000	0
		04	TRAP MISSING		1	0.00	0.00	0	0.000	0.000	0
0008	210982	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	DOLLY VARDEN	PARR	1	6.30	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	JUVENILE	1	14.10	0.00	1	0.000	0.000	0
		02	COHO (SILVER) SALMON	PARR	1	5.90	0.00	1	0.000	0.000	0

TABLE 02 . SUMMARY OF RESULTS: MINNOW TRAP SAMPLES
SEPTEMBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0008	210982	03	DOLLY VARDEN	PARR	1	8.30	0.00	1	0.000	0.000	0
		04	NO FISH		1	0.00	0.00	0	0.000	0.000	0
0009	230982	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	PYGMY WHITE FISH	JUVENILE	1	10.00	0.00	1	0.004	0.000	1
		02	SLIMY SCULPIN	JUVENILE	1	4.90	0.00	1	0.001	0.000	1
		03	DOLLY VARDEN	PARR	4	11.57	1.29	4	0.012	0.004	4
		03	DOLLY VARDEN	JUVENILE	2	14.35	0.07	2	0.023	0.001	2
		04	DOLLY VARDEN	PARR	2	10.45	2.62	2	0.010	0.008	2
0010	230982	01	PYGMY WHITE FISH	JUVENILE	2	9.20	0.00	2	0.005	0.001	2
		02	PYGMY WHITE FISH	JUVENILE	1	9.60	0.00	1	0.006	0.000	1
		02	SLIMY SCULPIN	ADULT	1	8.90	0.00	1	0.011	0.000	1
		03	SLIMY SCULPIN	ADULT	1	10.90	0.00	1	0.016	0.000	1
		04	NO FISH		1	0.00	0.00	0	0.000	0.000	0
0011	120982	01	COHO (SILVER) SALMON	PARR	12	6.38	1.86	12	0.003	0.003	12
		01	THREE-SPINE STICKLEBACK	JUVENILE	2	5.90	0.14	2	0.001	0.000	2
		01	THREE-SPINE STICKLEBACK	ADULT	1	7.80	0.00	1	0.002	0.000	1
		02	THREE-SPINE STICKLEBACK	JUVENILE	6	4.93	0.44	6	0.028	0.000	6
		03	COHO (SILVER) SALMON	PARR	4	9.80	1.30	4	0.149	0.027	4
		03	SLIMY SCULPIN	ADULT	1	10.30	0.00	1	0.255	0.000	1
		04	SLIMY SCULPIN	JUVENILE	1	3.60	0.00	1	0.000	0.000	0
0012	120982	01	DOLLY VARDEN	PARR	4	8.35	1.19	4	0.004	0.002	4
		01	SLIMY SCULPIN	JUVENILE	1	7.20	0.00	1	0.004	0.000	1
		01	NINE-SPINE STICKLEBACK	ADULT	1	5.40	0.00	1	0.002	0.000	1
		02	DOLLY VARDEN	PARR	1	13.00	0.00	1	0.020	0.000	1
		02	SOCKEYE (RED) SALMON	PARR	4	7.18	1.40	4	0.003	0.001	4
		03	DOLLY VARDEN	PARR	2	13.55	0.49	2	0.020	0.000	1
		03	NINE-SPINE STICKLEBACK	ADULT	1	5.60	0.00	1	0.001	0.000	1
		04	NO FISH		1	0.00	0.00	0	0.000	0.000	0
0013	120982	01	DOLLY VARDEN	PARR	2	7.20	0.00	2	0.001	0.000	2
		02	DOLLY VARDEN	PARR	2	7.45	2.47	2	0.004	0.004	2
		02	COHO (SILVER) SALMON	PARR	1	5.00	0.00	1	0.001	0.000	1
		03	DOLLY VARDEN	PARR	11	8.00	2.24	11	0.004	0.005	11
		04	DOLLY VARDEN	PARR	3	6.50	1.01	3	0.003	0.001	3
0014	120982	01	DOLLY VARDEN	PARR	8	8.86	1.67	8	0.005	0.004	8
		02	NO FISH		1	0.00	0.00	0	0.000	0.000	0

TABLE 02 . SUMMARY OF RESULTS: MINNOW TRAP SAMPLES
SEPTEMBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0014	120982	03	DOLLY VARDEN	PARR	1	12.00	0.00	1	0.013	0.000	1
		04	DOLLY VARDEN	PARR	9	8.31	1.56	9	0.004	0.003	9
0015	120982	01	DOLLY VARDEN	PARR	2	9.60	0.57	2	0.006	0.003	2
		02	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		03	DOLLY VARDEN	PARR	1	8.00	0.00	1	0.004	0.000	1
		04	NO FISH		1	0.00	0.00	0	0.000	0.000	0
0016	210982	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	TRAP BURIED		1	0.00	0.00	0	0.000	0.000	0
		03	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		04	DOLLY VARDEN	PARR	1	9.10	0.00	1	0.004	0.000	1
0017	250982	01	DOLLY VARDEN	PARR	1	5.40	0.00	1	0.002	0.000	1
		01	SLIMY SCULPIN	JUVENILE	1	5.00	0.00	1	0.001	0.000	1
		02	DOLLY VARDEN	PARR	2	9.65	4.74	2	0.007	0.007	2
		03	DOLLY VARDEN	PARR	4	10.07	2.47	4	0.012	0.003	4
		03	SLIMY SCULPIN	JUVENILE	1	5.50	0.00	1	0.002	0.000	1
		04	DOLLY VARDEN	PARR	1	13.40	0.00	1	0.016	0.000	1
0018	250982	01	DOLLY VARDEN	PARR	5	0.00	0.00	0	0.000	0.000	0
		02	DOLLY VARDEN	PARR	4	10.10	0.95	3	0.003	0.002	3
		02	COHO (SILVER) SALMON	PARR	4	6.53	1.35	4	0.002	0.001	4
		02	CHINOOK (KING) SALMON	PARR	1	6.80	0.00	1	0.002	0.000	1
		03	DOLLY VARDEN	PARR	7	8.64	2.94	7	0.006	0.005	7
		03	DOLLY VARDEN	JUVENILE	1	14.00	0.00	1	0.016	0.000	1
		03	COHO (SILVER) SALMON	PARR	10	6.72	0.52	9	0.002	0.001	9
		04	TRAP OUT OF WATER		1	0.00	0.00	0	0.000	0.000	0
0019	250982	01	DOLLY VARDEN	JUVENILE	1	13.80	0.00	1	0.022	0.000	1
		01	SLIMY SCULPIN	JUVENILE	1	7.30	0.00	1	0.002	0.000	1
		02	DOLLY VARDEN	PARR	1	8.10	0.00	1	0.002	0.000	1
		03	DOLLY VARDEN	PARR	2	6.85	1.34	2	0.003	0.001	2
		04	NO FISH		1	0.00	0.00	0	0.000	0.000	0
0020	250982	01	TRAP OUT OF WATER		1	0.00	0.00	0	0.000	0.000	0
		02	DOLLY VARDEN	PARR	6	6.23	0.81	6	0.002	0.001	6
		02	COHO (SILVER) SALMON	PARR	1	8.00	0.00	1	0.003	0.000	1
		03	DOLLY VARDEN	PARR	6	7.50	1.47	5	0.003	0.003	5
		03	DOLLY VARDEN	JUVENILE	1	14.00	0.00	1	0.018	0.000	1
		03	SOCKEYE (RED) SALMON	PARR	1	8.00	0.00	1	0.004	0.000	1

TABLE 02 . SUMMARY OF RESULTS: MINNOW TRAP SAMPLES
SEPTEMBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0020	250982	04	TRAP FROZEN		1	0.00	0.00	0	0.000	0.000	0
		05	DOLLY VARDEN	PARR	1	11.60	0.00	1	0.015	0.000	1
		05	DOLLY VARDEN	JUVENILE	1	11.20	0.00	1	0.016	0.000	1
		05	COHO (SILVER) SALMON	PARR	1	8.20	0.00	1	0.005	0.000	1
0021	240982	01	DOLLY VARDEN	PARR	5	9.70	1.00	4	0.008	0.003	4
		01	DOLLY VARDEN	JUVENILE	1	13.20	0.00	1	0.024	0.000	1
		02	DOLLY VARDEN	PARR	2	12.20	1.41	2	0.014	0.006	2
		03	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		04	NO FISH		1	0.00	0.00	0	0.000	0.000	0
0022	240982	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	DOLLY VARDEN	PARR	2	10.90	0.28	2	0.008	0.000	2
		02	DOLLY VARDEN	JUVENILE	2	14.25	0.07	2	0.023	0.001	2
		03	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		04	NO FISH		1	0.00	0.00	0	0.000	0.000	0
0023	240982	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		03	DOLLY VARDEN	PARR	1	11.80	0.00	1	0.016	0.000	1
		04	DOLLY VARDEN	JUVENILE	2	12.45	0.35	2	0.016	0.000	2
		05	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		06	DOLLY VARDEN	JUVENILE	3	14.47	1.75	3	0.021	0.011	3
0024	240982	01	DOLLY VARDEN	PARR	1	10.40	0.00	1	0.010	0.000	1
		02	DOLLY VARDEN	PARR	1	12.00	0.00	1	0.014	0.000	1
		03	DOLLY VARDEN	PARR	2	8.25	1.77	2	0.009	0.002	2
		03	DOLLY VARDEN	JUVENILE	1	12.80	0.00	1	0.020	0.000	1
		04	LAKE TROUT	PARR	2	7.80	0.14	2	0.005	0.001	2
006A	230982	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		03	DOLLY VARDEN	PARR	3	10.83	1.46	3	0.010	0.006	3
		04	DOLLY VARDEN	PARR	2	11.55	1.77	2	0.012	0.006	2
016A	210982	01	DOLLY VARDEN	PARR	1	10.40	0.00	1	0.000	0.000	0
		01	SLIMY SCULPIN	ADULT	1	8.40	0.00	1	0.000	0.000	0
		01	NINE-SPINE STICKLEBACK	JUVENILE	1	5.30	0.00	1	0.000	0.000	0
		01	NINE-SPINE STICKLEBACK	ADULT	1	7.60	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	PARR	3	11.40	2.69	3	0.000	0.000	0
		02	COHO (SILVER) SALMON	PARR	1	7.10	0.00	1	0.000	0.000	0

TABLE 02. SUMMARY OF RESULTS: MINNOW TRAP SAMPLES
SEPTEMBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
016A	210982	02	SOCKEYE (RED) SALMON	PARR	2	7.15	1.06	2	0.000	0.000	0
		03	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		04	DOLLY VARDEN	PARR	5	11.62	1.82	5	0.000	0.000	0
		04	SOCKEYE (RED) SALMON	PARR	1	7.60	0.00	1	0.000	0.000	0
		04	NINE-SPINE STICKLEBACK	JUVENILE	3	5.80	0.26	3	0.000	0.000	0
		05	DOLLY VARDEN	PARR	26	12.60	1.28	26	0.000	0.000	0
		05	DOLLY VARDEN	JUVENILE	3	13.40	0.82	3	0.000	0.000	0
		05	COHO (SILVER) SALMON	PARR	4	8.00	0.97	4	0.000	0.000	0
		05	SOCKEYE (RED) SALMON	PARR	1	8.00	0.00	1	0.000	0.000	0
		05	NINE-SPINE STICKLEBACK	ADULT	1	7.20	0.00	1	0.000	0.000	0
		06	DOLLY VARDEN	PARR	4	9.55	2.73	4	0.000	0.000	0
		06	DOLLY VARDEN	JUVENILE	2	13.75	0.21	2	0.000	0.000	0
		06	COHO (SILVER) SALMON	PARR	2	6.30	0.85	2	0.000	0.000	0
		06	SLIMY SCULPIN	ADULT	1	8.70	0.00	1	0.000	0.000	0
		07	DOLLY VARDEN	PARR	1	5.90	0.00	1	0.000	0.000	0
		07	COHO (SILVER) SALMON	PARR	1	5.80	0.00	1	0.000	0.000	0
		08	DOLLY VARDEN	PARR	4	9.78	2.59	4	0.000	0.000	0
		08	COHO (SILVER) SALMON	PARR	1	8.00	0.00	1	0.000	0.000	0
		08	SLIMY SCULPIN	JUVENILE	1	7.60	0.00	1	0.000	0.000	0
017D	220982	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	DOLLY VARDEN	PARR	2	10.10	0.14	2	0.000	0.000	0
		02	SLIMY SCULPIN	ADULT	1	10.80	0.00	1	0.000	0.000	0
		03	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		04	DOLLY VARDEN	PARR	4	9.18	1.11	4	0.000	0.000	0
		04	SLIMY SCULPIN	JUVENILE	1	7.70	0.00	1	0.000	0.000	0

TABLE 03 . SUMMARY OF RESULTS: MINNOW TRAP SAMPLES
OCTOBER, 1982

PAGE 1

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0001	161082	01	COHO (SILVER) SALMON	PARR	3	7.80	1.65	3	0.000	0.000	0
		01	SOCKEYE (RED) SALMON	PARR	3	6.07	0.12	3	0.000	0.000	0
		01	NINE-SPINE STICKLEBACK	JUVENILE	6	5.40	0.53	6	0.000	0.000	0
		02	DOLLY VARDEN	PARR	1	8.30	0.00	1	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	1	4.90	0.00	1	0.000	0.000	0
		02	NINE-SPINE STICKLEBACK	JUVENILE	7	5.33	0.40	7	0.000	0.000	0
		03	DOLLY VARDEN	PARR	1	12.60	0.00	1	0.000	0.000	0
		03	COHO (SILVER) SALMON	PARR	18	8.48	1.89	18	0.000	0.000	0
		03	SOCKEYE (RED) SALMON	PARR	5	6.46	0.67	5	0.000	0.000	0
		03	SOCKEYE (RED) SALMON	JUVENILE	1	6.60	0.00	1	0.000	0.000	0
		03	NINE-SPINE STICKLEBACK		19	0.00	0.00	0	0.000	0.000	0
		03	NINE-SPINE STICKLEBACK	JUVENILE	60	5.58	0.46	13	0.000	0.000	0
		03	NINE-SPINE STICKLEBACK	ADULT	18	6.89	0.48	8	0.000	0.000	0
		04	COHO (SILVER) SALMON	PARR	3	5.47	1.33	3	0.000	0.000	0
		04	PYGMY WHITE FISH	PARR	1	5.40	0.00	1	0.000	0.000	0
		04	SOCKEYE (RED) SALMON	PARR	1	5.80	0.00	1	0.000	0.000	0
		04	SOCKEYE (RED) SALMON	JUVENILE	1	4.60	0.00	1	0.000	0.000	0
		04	NINE-SPINE STICKLEBACK	JUVENILE	42	4.92	0.94	9	0.000	0.000	0
0002	151082	01	PYGMY WHITE FISH	PARR	1	6.40	0.00	1	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	3	4.63	0.49	3	0.000	0.000	0
		01	SLIMY SCULPIN	ADULT	1	10.90	0.00	1	0.000	0.000	0
		01	NINE-SPINE STICKLEBACK	JUVENILE	10	5.65	0.70	10	0.000	0.000	0
		02	COHO (SILVER) SALMON	PARR	1	12.40	0.00	1	0.000	0.000	0
		02	SOCKEYE (RED) SALMON	PARR	1	6.10	0.00	1	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	2	5.20	0.14	2	0.000	0.000	0
		03	DOLLY VARDEN	PARR	1	6.10	0.00	1	0.000	0.000	0
		03	SLIMY SCULPIN	JUVENILE	1	6.50	0.00	1	0.000	0.000	0
		03	NINE-SPINE STICKLEBACK	JUVENILE	4	5.68	0.67	4	0.000	0.000	0
0003	151082	01	DOLLY VARDEN	PARR	2	9.20	2.12	2	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	3	5.53	0.57	3	0.000	0.000	0
		03	DOLLY VARDEN	PARR	2	8.50	0.42	2	0.000	0.000	0
		03	COHO (SILVER) SALMON	PARR	1	14.40	0.00	1	0.000	0.000	0
		03	SLIMY SCULPIN	JUVENILE	1	8.30	0.00	1	0.000	0.000	0
		04	SLIMY SCULPIN	JUVENILE	1	6.30	0.00	1	0.000	0.000	0
0004	151082	01	COHO (SILVER) SALMON	PARR	1	6.10	0.00	1	0.000	0.000	0
		01	SOCKEYE (RED) SALMON	PARR	1	5.90	0.00	1	0.000	0.000	0
		02	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		03	DOLLY VARDEN	PARR	2	10.25	2.33	2	0.000	0.000	0
		03	DOLLY VARDEN	JUVENILE	1	0.00	0.00	0	0.000	0.000	0
		03	SLIMY SCULPIN	JUVENILE	1	8.10	0.00	1	0.000	0.000	0
		03	SLIMY SCULPIN	ADULT	1	9.10	0.00	1	0.000	0.000	0

TABLE 03 . SUMMARY OF RESULTS: MINNOW TRAP SAMPLES
OCTOBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0004	151082	04	DOLLY VARDEN	JUVENILE	2	8.80	0.85	2	0.000	0.000	0
0005	151082	01	COHO (SILVER) SALMON	PARR	1	8.40	0.00	1	0.000	0.000	0
		01	SOCKEYE (RED) SALMON	PARR	1	6.80	0.00	1	0.000	0.000	0
		01	NINE-SPINE STICKLEBACK	JUVENILE	2	4.30	0.57	2	0.000	0.000	0
		02	COHO (SILVER) SALMON	PARR	1	4.60	0.00	1	0.000	0.000	0
		02	COHO (SILVER) SALMON	JUVENILE	1	6.30	0.00	1	0.000	0.000	0
		02	SOCKEYE (RED) SALMON	PARR	1	6.20	0.00	1	0.000	0.000	0
		02	NINE-SPINE STICKLEBACK	JUVENILE	2	5.20	0.00	2	0.000	0.000	0
		02	NINE-SPINE STICKLEBACK	ADULT	1	7.70	0.00	1	0.000	0.000	0
		03	TRAP FROZEN		1	0.00	0.00	0	0.000	0.000	0
		04	TRAP FROZEN		1	0.00	0.00	0	0.000	0.000	0
0006	151082	01	DOLLY VARDEN	JUVENILE	1	14.30	0.00	1	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	1	7.60	0.00	1	0.000	0.000	0
		01	SLIMY SCULPIN	ADULT	1	10.80	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	PARR	1	5.70	0.00	1	0.000	0.000	0
		02	COHO (SILVER) SALMON	PARR	1	13.00	0.00	1	0.000	0.000	0
		02	PYGMY WHITE FISH	JUVENILE	1	9.20	0.00	1	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	2	5.45	1.77	2	0.000	0.000	0
		02	NINE-SPINE STICKLEBACK	JUVENILE	1	5.40	0.00	1	0.000	0.000	0
		03	SLIMY SCULPIN	JUVENILE	1	5.10	0.00	1	0.000	0.000	0
		04	SLIMY SCULPIN	JUVENILE	2	6.65	0.78	2	0.000	0.000	0
		04	SLIMY SCULPIN	ADULT	1	8.70	0.00	1	0.000	0.000	0
0008	151082	01	DOLLY VARDEN	PARR	8	10.95	1.57	8	0.000	0.000	0
		01	COHO (SILVER) SALMON	PARR	3	7.70	2.40	3	0.000	0.000	0
		01	NINE-SPINE STICKLEBACK	JUVENILE	1	5.90	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	PARR	7	10.37	0.43	7	0.000	0.000	0
		02	DOLLY VARDEN	JUVENILE	1	13.90	0.00	1	0.000	0.000	0
		02	COHO (SILVER) SALMON	PARR	3	7.13	1.96	3	0.000	0.000	0
		02	NINE-SPINE STICKLEBACK	JUVENILE	2	5.30	0.85	2	0.000	0.000	0
		03	DOLLY VARDEN	JUVENILE	1	13.30	0.00	1	0.000	0.000	0
		03	COHO (SILVER) SALMON	PARR	1	6.60	0.00	1	0.000	0.000	0
		04	SLIMY SCULPIN	JUVENILE	1	6.90	0.00	1	0.000	0.000	0
0009	171082	01	DOLLY VARDEN	PARR	2	5.85	0.64	2	0.000	0.000	0
		02	DOLLY VARDEN	PARR	2	7.20	1.56	2	0.000	0.000	0
		02	COHO (SILVER) SALMON	PARR	1	6.20	0.00	1	0.000	0.000	0
		02	PYGMY WHITE FISH	PARR	2	6.30	0.00	2	0.000	0.000	0
		02	PYGMY WHITE FISH	ADULT	1	10.30	0.00	1	0.000	0.000	0
		02	SOCKEYE (RED) SALMON	PARR	2	7.80	1.98	2	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	1	5.20	0.00	1	0.000	0.000	0

TABLE 03 . SUMMARY OF RESULTS: MINNOW TRAP SAMPLES
OCTOBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0009	171082	03	DOLLY VARDEN	JUVENILE	1	16.30	0.00	1	0.000	0.000	0
		03	COHO (SILVER) SALMON	PARR	1	7.10	0.00	1	0.000	0.000	0
		03	SLIMY SCULPIN	JUVENILE	1	8.20	0.00	1	0.000	0.000	0
		04	DOLLY VARDEN	PARR	2	12.70	2.83	2	0.000	0.000	0
0010	161082	01	DOLLY VARDEN	JUVENILE	1	13.20	0.00	1	0.000	0.000	0
		01	SLIMY SCULPIN	ADULT	2	9.20	0.14	2	0.000	0.000	0
		02	DOLLY VARDEN	PARR	1	7.50	0.00	1	0.000	0.000	0
		03	DOLLY VARDEN	PARR	5	11.68	0.73	5	0.000	0.000	0
		03	DOLLY VARDEN	JUVENILE	2	14.20	0.00	2	0.000	0.000	0
		03	COHO (SILVER) SALMON	PARR	1	11.90	0.00	1	0.000	0.000	0
		04	COHO (SILVER) SALMON	PARR	1	8.00	0.00	1	0.000	0.000	0
		04	SLIMY SCULPIN	JUVENILE	2	7.00	0.28	2	0.000	0.000	0
		04	SLIMY SCULPIN	ADULT	2	10.30	0.57	2	0.000	0.000	0
0011	161082	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	SOCKEYE (RED) SALMON	PARR	1	7.30	0.00	1	0.000	0.000	0
		03	COHO (SILVER) SALMON	PARR	1	8.50	0.00	1	0.000	0.000	0
		03	NINE-SPINE STICKLEBACK	JUVENILE	1	4.70	0.00	1	0.000	0.000	0
		04	COHO (SILVER) SALMON	PARR	2	7.20	0.14	2	0.000	0.000	0
0012	191082	01	DOLLY VARDEN	PARR	1	9.80	0.00	1	0.000	0.000	0
		02	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		03	DOLLY VARDEN	PARR	1	6.10	0.00	1	0.000	0.000	0
		04	NO FISH		1	0.00	0.00	0	0.000	0.000	0
0013	191082	01	DOLLY VARDEN	PARR	1	7.10	0.00	1	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	1	8.70	0.00	1	0.000	0.000	0
		02	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		03	DOLLY VARDEN	PARR	1	10.30	0.00	1	0.000	0.000	0
		04	NO FISH		1	0.00	0.00	0	0.000	0.000	0
0014	191082	01	DOLLY VARDEN	PARR	1	8.70	0.00	1	0.000	0.000	0
		01	COHO (SILVER) SALMON	PARR	1	6.70	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	PARR	19	9.05	2.19	19	0.000	0.000	0
		02	COHO (SILVER) SALMON	PARR	8	6.99	0.75	8	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	1	8.10	0.00	1	0.000	0.000	0
		03	DOLLY VARDEN	PARR	1	7.90	0.00	1	0.000	0.000	0
		03	SLIMY SCULPIN	JUVENILE	1	7.20	0.00	1	0.000	0.000	0
		03	NINE-SPINE STICKLEBACK	JUVENILE	1	6.80	0.00	1	0.000	0.000	0
		04	DOLLY VARDEN	PARR	4	10.15	2.56	4	0.000	0.000	0
		04	COHO (SILVER) SALMON	PARR	2	6.65	0.49	2	0.000	0.000	0

TABLE 03 . SUMMARY OF RESULTS: MINNOW TRAP SAMPLES
OCTOBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0014	191082	04	SLIMY SCULPIN	JUVENILE	1	8.00	0.00	1	0.000	0.000	0
0015	191082	01	DOLLY VARDEN	PARR	1	6.70	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	PARR	12	9.67	1.46	12	0.000	0.000	0
		03	DOLLY VARDEN	PARR	3	6.27	0.25	3	0.000	0.000	0
		04	DOLLY VARDEN	PARR	7	6.23	0.87	7	0.000	0.000	0
		04	DOLLY VARDEN	JUVENILE	1	16.70	0.00	1	0.000	0.000	0
		04	COHO (SILVER) SALMON	PARR	1	7.80	0.00	1	0.000	0.000	0
0016	171082	01	SLIMY SCULPIN	ADULT	1	10.10	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	PARR	1	11.70	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	JUVENILE	1	14.90	0.00	1	0.000	0.000	0
		03	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		04	DOLLY VARDEN	JUVENILE	4	14.78	1.14	4	0.000	0.000	0
0017	171082	01	DOLLY VARDEN	PARR	1	10.70	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	PARR	1	6.70	0.00	1	0.000	0.000	0
		03	SLIMY SCULPIN	JUVENILE	1	5.20	0.00	1	0.000	0.000	0
		04	NO FISH		1	0.00	0.00	0	0.000	0.000	0
0018	181082	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		03	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		04	DOLLY VARDEN	PARR	1	8.40	0.00	1	0.000	0.000	0
		04	COHO (SILVER) SALMON	PARR	1	5.60	0.00	1	0.000	0.000	0
0019	181082	01	NINE-SPINE STICKLEBACK	JUVENILE	1	5.30	0.00	1	0.000	0.000	0
		02	COHO (SILVER) SALMON	PARR	1	7.10	0.00	1	0.000	0.000	0
		03	COHO (SILVER) SALMON	PARR	1	5.70	0.00	1	0.000	0.000	0
		03	CHINOOK (KING) SALMON	PARR	2	7.05	0.07	2	0.000	0.000	0
		04	NO FISH		1	0.00	0.00	0	0.000	0.000	0
0020	181082	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		03	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		04	NO FISH		1	0.00	0.00	0	0.000	0.000	0
0021	181082	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	DOLLY VARDEN	PARR	1	11.50	0.00	1	0.000	0.000	0
		03	DOLLY VARDEN	PARR	1	11.70	0.00	1	0.000	0.000	0

TABLE 03 . SUMMARY OF RESULTS: MINNOW TRAP SAMPLES
OCTOBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0021	181082	03	DOLLY VARDEN	JUVENILE	1	13.10	0.00	1	0.000	0.000	0
		03	SLIMY SCULPIN	ADULT	1	11.50	0.00	1	0.000	0.000	0
		04	DOLLY VARDEN	JUVENILE	2	15.10	0.28	2	0.000	0.000	0
		04	PYGMY WHITE FISH	ADULT	1	12.80	0.00	1	0.000	0.000	0
0022	181082	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	1	5.20	0.00	1	0.000	0.000	0
		03	DOLLY VARDEN	PARR	1	13.20	0.00	1	0.000	0.000	0
		04	DOLLY VARDEN	PARR	1	13.00	0.00	1	0.000	0.000	0
0024	181082	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		03	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		04	NO FISH		1	0.00	0.00	0	0.000	0.000	0
006A	171082	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	DOLLY VARDEN	PARR	3	10.07	2.39	3	0.000	0.000	0
		02	PYGMY WHITE FISH	JUVENILE	1	10.00	0.00	1	0.000	0.000	0
		03	NO FISH		1	0.00	0.00	0	0.000	0.000	0
016A	171082	01	COHO (SILVER) SALMON	PARR	5	8.60	2.12	5	0.000	0.000	0
		01	COHO (SILVER) SALMON	JUVENILE	1	6.30	0.00	1	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	6	6.85	0.52	6	0.000	0.000	0
		01	SLIMY SCULPIN	ADULT	1	7.60	0.00	1	0.000	0.000	0
		01	NINE-SPINE STICKLEBACK	JUVENILE	11	5.89	0.76	11	0.000	0.000	0
		01	NINE-SPINE STICKLEBACK	ADULT	4	7.33	0.38	4	0.000	0.000	0
		02	DOLLY VARDEN	PARR	1	10.30	0.00	1	0.000	0.000	0
		02	COHO (SILVER) SALMON	PARR	9	7.67	2.24	9	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	1	6.80	0.00	1	0.000	0.000	0
		02	NINE-SPINE STICKLEBACK	JUVENILE	5	5.08	0.41	5	0.000	0.000	0
		02	NINE-SPINE STICKLEBACK	ADULT	1	7.40	0.00	1	0.000	0.000	0
		03	SLIMY SCULPIN	JUVENILE	1	7.80	0.00	1	0.000	0.000	0
		03	NINE-SPINE STICKLEBACK	JUVENILE	3	5.70	0.70	3	0.000	0.000	0
		03	NINE-SPINE STICKLEBACK	ADULT	1	7.40	0.00	1	0.000	0.000	0
		04	NINE-SPINE STICKLEBACK	JUVENILE	6	6.52	0.42	6	0.000	0.000	0
		04	NINE-SPINE STICKLEBACK	ADULT	5	7.18	0.44	5	0.000	0.000	0
017D	191082	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	DOLLY VARDEN	PARR	2	10.25	0.07	2	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	2	6.50	1.27	2	0.000	0.000	0
		03	DOLLY VARDEN	PARR	1	15.20	0.00	1	0.000	0.000	0
		04	DOLLY VARDEN	PARR	6	11.12	1.66	6	0.000	0.000	0

TABLE 03 . SUMMARY OF RESULTS: MINNOW TRAP SAMPLES
OCTOBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
017D	191082	04	COHO (SILVER) SALMON	PARR	1	12.70	0.00	1	0.000	0.000	0
		04	SLIMY SCULPIN	JUVENILE	5	5.68	0.99	5	0.000	0.000	0
		04	SLIMY SCULPIN	ADULT	2	9.25	0.07	2	0.000	0.000	0

TABLE 04 . SUMMARY OF RESULTS: FYKE NET SAMPLES
AUGUST, 1982

PAGE 1

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0006	070882	01	DOLLY VARDEN	JUVENILE	34	22.21	0.89	33	0.116	0.016	34
		01	DOLLY VARDEN	ADULT	58	29.52	4.63	58	0.286	0.171	58
		01	COHO (SILVER) SALMON	ADULT	1	52.00	0.00	1	1.701	0.000	1
		01	ROUND WHITE FISH	JUVENILE	1	16.00	0.00	1	0.057	0.000	1
		01	PINK SALMON	ADULT	11	48.78	3.09	11	1.301	0.438	11
	090882	01	DOLLY VARDEN		2	0.00	0.00	0	0.000	0.000	0
		01	DOLLY VARDEN	JUVENILE	10	21.50	2.74	10	0.113	0.038	10
		01	DOLLY VARDEN	ADULT	22	28.42	4.77	22	0.247	0.136	22
		01	RAINBOW TROUT	ADULT	1	40.30	0.00	1	0.454	0.000	1
		01	ROUND WHITE FISH	JUVENILE	1	13.60	0.00	1	0.057	0.000	1
		01	PINK SALMON		1	0.00	0.00	0	0.000	0.000	0
		01	PINK SALMON	JUVENILE	1	21.00	0.00	1	0.142	0.000	1
		01	PINK SALMON	ADULT	1	49.70	0.00	1	1.134	0.000	1
	100882	03	DOLLY VARDEN	PARR	3	15.07	1.40	3	0.028	0.000	3
		03	DOLLY VARDEN	JUVENILE	12	21.98	2.21	12	0.106	0.027	12
		03	DOLLY VARDEN	ADULT	17	27.83	3.16	17	0.162	0.061	17
	110882	01	DOLLY VARDEN	PARR	1	13.20	0.00	1	0.028	0.000	1
		01	DOLLY VARDEN	JUVENILE	26	22.57	0.93	26	0.128	0.046	26
		01	DOLLY VARDEN	ADULT	26	30.77	5.69	26	0.299	0.163	26
		01	COHO (SILVER) SALMON	ADULT	1	37.90	0.00	1	0.567	0.000	1
		01	PINK SALMON	ADULT	3	48.83	1.44	3	1.247	0.196	3
	120882	01	DOLLY VARDEN	JUVENILE	33	22.26	1.12	33	0.102	0.021	33
		01	DOLLY VARDEN	ADULT	37	28.10	5.35	37	0.224	0.173	37
		01	COHO (SILVER) SALMON	ADULT	1	35.80	0.00	1	0.567	0.000	1
		01	PYGMY WHITE FISH	ADULT	2	12.20	0.42	2	0.028	0.000	2
		01	ROUND WHITE FISH	ADULT	1	31.00	0.00	1	0.340	0.000	1
		01	PINK SALMON	ADULT	4	46.55	4.46	4	0.779	0.247	4
	140882	01	DOLLY VARDEN	PARR	1	13.50	0.00	1	0.028	0.000	1
		01	DOLLY VARDEN	JUVENILE	50	21.95	1.94	50	0.103	0.024	48
		01	DOLLY VARDEN	ADULT	43	28.99	5.31	43	0.260	0.217	43
		01	PYGMY WHITE FISH	PARR	2	12.15	0.49	2	0.028	0.000	2
		01	PYGMY WHITE FISH	JUVENILE	1	13.40	0.00	1	0.028	0.000	1
		01	PYGMY WHITE FISH	ADULT	1	24.50	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	JUVENILE	3	19.90	4.90	3	0.085	0.049	3
		01	PINK SALMON	ADULT	1	48.00	0.00	1	0.907	0.000	1
	150882	01	DOLLY VARDEN	JUVENILE	3	19.27	4.82	3	0.066	0.043	3
		01	DOLLY VARDEN	ADULT	14	27.46	5.10	14	0.229	0.179	14
		01	PYGMY WHITE FISH	PARR	1	11.50	0.00	1	0.000	0.000	0
		01	PINK SALMON	ADULT	2	48.05	6.72	2	0.680	0.000	1
	160882	01	DOLLY VARDEN	PARR	1	10.60	0.00	1	0.000	0.000	0
		01	DOLLY VARDEN	JUVENILE	7	21.17	3.24	7	0.104	0.046	6

TABLE 04 . SUMMARY OF RESULTS: FYKE NET SAMPLES
AUGUST, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0006	160882	01	DOLLY VARDEN	ADULT	4	30.42	6.14	4	0.298	0.202	4
		01	SLIMY SCULPIN	ADULT	2	9.30	1.27	2	0.000	0.000	0
		01	THREE-SPINE STICKLEBACK	JUVENILE	2	7.75	0.35	2	0.000	0.000	0
	170882	01	DOLLY VARDEN	PARR	1	11.60	0.00	1	0.000	0.000	0
		01	DOLLY VARDEN	JUVENILE	1	20.60	0.00	1	0.057	0.000	1
		01	DOLLY VARDEN	ADULT	3	29.87	4.01	3	0.340	0.098	3
		01	ROUND WHITE FISH	ADULT	1	30.30	0.00	1	0.283	0.000	1
		01	SLIMY SCULPIN	JUVENILE	3	9.57	1.26	3	0.000	0.000	0
	200882	01	DOLLY VARDEN	PARR	1	12.40	0.00	1	0.000	0.000	0
		01	DOLLY VARDEN	JUVENILE	6	21.28	2.97	6	0.094	0.043	6
		01	DOLLY VARDEN	ADULT	11	28.00	5.01	11	0.242	0.192	11
		01	PYGMY WHITE FISH	PARR	1	12.50	0.00	1	0.000	0.000	0
	230882	01	DOLLY VARDEN	JUVENILE	1	13.50	0.00	1	0.142	0.000	1
		01	DOLLY VARDEN	ADULT	30	24.79	4.09	30	0.139	0.093	30
		01	PYGMY WHITE FISH	ADULT	1	15.60	0.00	1	0.142	0.000	1
		01	RAINBOW TROUT	ADULT	3	34.87	6.23	3	0.416	0.173	3
	260882	01	DOLLY VARDEN	PARR	1	13.40	0.00	1	0.028	0.000	1
		01	DOLLY VARDEN	JUVENILE	24	22.34	1.48	24	0.077	0.023	24
		01	DOLLY VARDEN	ADULT	15	26.87	2.28	15	0.168	0.055	15
		01	PYGMY WHITE FISH	ADULT	1	10.20	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	PARR	1	22.10	0.00	1	0.085	0.000	1
		01	RAINBOW TROUT	ADULT	1	24.00	0.00	1	0.142	0.000	1
		01	SLIMY SCULPIN	ADULT	1	13.60	0.00	1	0.028	0.000	1
		01	SLIMY SCULPIN	ADULT	1	13.60	0.00	1	0.028	0.000	1
0011	100882	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
	110882	01	DOLLY VARDEN	PARR	7	12.77	1.03	7	0.032	0.011	7
		01	DOLLY VARDEN	JUVENILE	15	21.78	2.74	15	0.091	0.029	15
		01	DOLLY VARDEN	ADULT	9	31.66	7.04	9	0.293	0.203	9
		01	COHO (SILVER) SALMON	PARR	2	11.10	1.98	2	0.028	0.000	2
		01	RAINBOW TROUT	JUVENILE	1	22.50	0.00	1	0.113	0.000	1
		01	RAINBOW TROUT	ADULT	1	28.00	0.00	1	0.170	0.000	1
		01	ROUND WHITE FISH	ADULT	1	37.50	0.00	1	0.765	0.000	1
		01	THREE-SPINE STICKLEBACK	JUVENILE	1	7.60	0.00	1	0.000	0.000	0
		01	PINK SALMON	ADULT	1	44.00	0.00	1	0.454	0.000	1
	120882	01	DOLLY VARDEN	PARR	1	12.30	0.00	1	0.000	0.000	0
		01	DOLLY VARDEN	JUVENILE	9	20.70	3.74	9	0.094	0.032	9
		01	DOLLY VARDEN	ADULT	8	28.85	3.28	8	0.241	0.077	8
		01	COHO (SILVER) SALMON	PARR	1	10.80	0.00	1	0.000	0.000	0
	140882	01	DOLLY VARDEN	PARR	3	12.73	0.81	3	0.057	0.000	1
		01	DOLLY VARDEN	JUVENILE	21	19.61	3.66	21	0.102	0.057	15

TABLE 04 . SUMMARY OF RESULTS: FYKE NET SAMPLES
AUGUST, 1982

PAGE 3

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0011	140882	01	DOLLY VARDEN	ADULT	3	28.50	1.70	3	0.302	0.131	3
		01	COHO (SILVER) SALMON	PARR	4	10.73	0.50	4	0.028	0.000	1
		01	RAINBOW TROUT	ADULT	1	30.00	0.00	1	0.340	0.000	1
		01	THREE-SPINE STICKLEBACK	JUVENILE	8	8.01	0.41	8	0.000	0.000	0
		01	THREE-SPINE STICKLEBACK	ADULT	1	8.70	0.00	1	0.000	0.000	0
	150882	01	DOLLY VARDEN	JUVENILE	9	17.90	3.62	9	0.113	0.139	7
		01	COHO (SILVER) SALMON	PARR	1	10.30	0.00	1	0.028	0.000	1
		01	PYGMY WHITE FISH	JUVENILE	1	13.20	0.00	1	0.028	0.000	1
		01	ROUND WHITE FISH	JUVENILE	1	21.50	0.00	1	0.085	0.000	1
		01	THREE-SPINE STICKLEBACK	JUVENILE	6	7.65	0.52	6	0.000	0.000	0
160882		01	DOLLY VARDEN	PARR	5	9.00	3.94	5	0.000	0.000	0
		01	DOLLY VARDEN	JUVENILE	6	16.67	3.11	6	0.050	0.027	4
		01	DOLLY VARDEN	ADULT	2	27.15	4.03	2	0.198	0.080	2
		01	SLIMY SCULPIN	PARR	1	11.00	0.00	1	0.000	0.000	0
		01	THREE-SPINE STICKLEBACK	JUVENILE	4	8.38	1.07	4	0.000	0.000	0
		01	PINK SALMON	ADULT	1	42.00	0.00	1	0.539	0.000	1
170882		01	DOLLY VARDEN	PARR	4	12.45	0.90	4	0.000	0.000	0
		01	DOLLY VARDEN	JUVENILE	4	19.43	2.12	4	0.113	0.040	2
		01	COHO (SILVER) SALMON	PARR	3	11.10	1.47	3	0.000	0.000	0
		01	SLIMY SCULPIN	ADULT	1	10.40	0.00	1	0.000	0.000	0
		01	THREE-SPINE STICKLEBACK	JUVENILE	1	7.80	0.00	1	0.000	0.000	0
		01	THREE-SPINE STICKLEBACK	ADULT	2	8.80	1.98	2	0.000	0.000	0
200882		01	DOLLY VARDEN	PARR	5	12.14	0.83	5	0.000	0.000	0
		01	DOLLY VARDEN	JUVENILE	14	16.88	3.27	14	0.149	0.128	4
		01	DOLLY VARDEN	ADULT	2	27.30	4.24	2	0.213	0.180	2
		01	COHO (SILVER) SALMON	PARR	4	10.73	0.48	4	0.000	0.000	0
		01	SLIMY SCULPIN	ADULT	3	10.40	0.87	3	0.000	0.000	0
		01	THREE-SPINE STICKLEBACK	JUVENILE	4	8.15	0.21	4	0.000	0.000	0
260882		01	DOLLY VARDEN	JUVENILE	15	13.55	1.77	15	0.000	0.000	0
		01	DOLLY VARDEN	ADULT	4	22.80	1.21	4	0.071	0.016	4
		01	COHO (SILVER) SALMON	JUVENILE	2	10.50	0.71	2	0.000	0.000	0
		01	PYGMY WHITE FISH	JUVENILE	1	12.00	0.00	1	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	3	8.93	1.10	3	0.000	0.000	0
		01	THREE-SPINE STICKLEBACK	ADULT	3	7.83	0.25	3	0.000	0.000	0

TABLE 05 . SUMMARY OF RESULTS: FYKE NET SAMPLES
SEPTEMBER, 1982

PAGE 1

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0003	200982	01	DOLLY VARDEN	JUVENILE	18	25.74	2.75	18	0.181	0.048	18
		01	DOLLY VARDEN	ADULT	5	30.38	0.88	5	0.312	0.020	5
		01	COHO (SILVER) SALMON	ADULT	1	52.60	0.00	1	1.417	0.000	1
		01	PYGMY WHITE FISH	ADULT	1	14.90	0.00	1	0.057	0.000	1
		01	RAINBOW TROUT	JUVENILE	1	22.10	0.00	1	0.142	0.000	1
		01	RAINBOW TROUT	ADULT	3	33.73	7.36	3	0.472	0.254	3
		01	ROUND WHITE FISH	JUVENILE	1	14.70	0.00	1	0.057	0.000	1
		01	ROUND WHITE FISH	ADULT	1	26.90	0.00	1	0.198	0.000	1
		01	CHUM SALMON	ADULT	1	71.40	0.00	1	3.827	0.000	1
	210982	01	DOLLY VARDEN	PARR	1	15.50	0.00	1	0.142	0.000	1
		01	DOLLY VARDEN	JUVENILE	5	23.18	4.00	5	0.176	0.079	5
		01	DOLLY VARDEN	ADULT	5	32.46	1.23	5	0.329	0.032	5
		01	RAINBOW TROUT	ADULT	1	40.70	0.00	1	0.567	0.000	1
		01	SLIMY SCULPIN	JUVENILE	1	13.30	0.00	1	0.057	0.000	1
	220982	01	DOLLY VARDEN	JUVENILE	1	20.60	0.00	1	0.085	0.000	1
		01	DOLLY VARDEN	ADULT	2	30.85	0.92	2	0.298	0.020	2
	230982	01	DOLLY VARDEN	JUVENILE	3	24.80	0.98	3	0.142	0.028	3
		01	DOLLY VARDEN	ADULT	5	31.46	3.55	5	0.289	0.079	5
		01	PYGMY WHITE FISH	ADULT	1	13.80	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	ADULT	1	37.40	0.00	1	0.425	0.000	1
		01	CHUM SALMON	ADULT	1	66.90	0.00	1	3.827	0.000	1
	240982	01	DOLLY VARDEN	JUVENILE	6	21.45	5.06	6	0.151	0.056	6
		01	PYGMY WHITE FISH	ADULT	3	13.60	1.48	3	0.057	0.000	3
		01	RAINBOW TROUT	JUVENILE	1	17.00	0.00	1	0.142	0.000	1
	250982	01	DOLLY VARDEN	JUVENILE	12	24.52	2.56	12	0.151	0.044	12
		01	DOLLY VARDEN	ADULT	12	33.53	3.67	12	0.378	0.127	12
		01	COHO (SILVER) SALMON	PARR	1	14.20	0.00	1	0.057	0.000	1
		01	COHO (SILVER) SALMON	ADULT	4	68.35	8.65	4	3.139	1.076	4
		01	RAINBOW TROUT	JUVENILE	9	22.61	2.21	9	0.151	0.025	9
		01	RAINBOW TROUT	ADULT	7	30.89	4.86	7	0.332	0.140	7
		01	ROUND WHITE FISH	JUVENILE	2	16.75	1.20	2	0.057	0.000	2
		01	ROUND WHITE FISH	ADULT	2	27.00	0.14	2	0.170	0.000	2
		01	SLIMY SCULPIN	JUVENILE	2	10.80	0.42	2	0.043	0.020	2
	260982	01	DOLLY VARDEN	JUVENILE	18	23.49	3.82	18	0.143	0.062	18
		01	DOLLY VARDEN	ADULT	16	33.79	2.67	16	0.360	0.100	16
		01	COHO (SILVER) SALMON	PARR	1	14.70	0.00	1	0.057	0.000	1
		01	COHO (SILVER) SALMON	ADULT	3	57.80	9.65	3	2.107	1.324	3
		01	PYGMY WHITE FISH	ADULT	1	14.40	0.00	1	0.057	0.000	1
		01	RAINBOW TROUT	JUVENILE	7	21.69	2.97	7	0.130	0.040	7
		01	RAINBOW TROUT	ADULT	14	33.59	4.72	14	0.419	0.170	14
		01	ROUND WHITE FISH	JUVENILE	3	17.13	0.15	3	0.057	0.000	3
		01	SLIMY SCULPIN	JUVENILE	1	10.50	0.00	1	0.028	0.000	1

TABLE 05 . SUMMARY OF RESULTS: FYKE NET SAMPLES
SEPTEMBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0003	270982	01	DOLLY VARDEN	JUVENILE	19	24.89	3.85	19	0.173	0.069	19
		01	DOLLY VARDEN	ADULT	10	33.13	1.74	10	0.354	0.041	10
		01	COHO (SILVER) SALMON	PARR	1	15.10	0.00	1	0.057	0.000	1
		01	COHO (SILVER) SALMON	ADULT	3	67.40	1.25	3	3.146	0.225	3
		01	RAINBOW TROUT	JUVENILE	10	23.92	2.01	10	0.156	0.047	10
		01	RAINBOW TROUT	ADULT	8	30.40	5.91	8	0.319	0.211	8
		01	ROUND WHITE FISH	JUVENILE	1	24.00	0.00	1	0.113	0.000	1
	280982	01	DOLLY VARDEN	JUVENILE	4	23.53	1.98	4	0.149	0.036	4
		01	RAINBOW TROUT	ADULT	1	27.10	0.00	1	0.227	0.000	1
	290982	01	DOLLY VARDEN	JUVENILE	5	23.90	2.33	5	0.130	0.025	5
		01	DOLLY VARDEN	ADULT	1	31.50	0.00	1	0.283	0.000	1
		01	COHO (SILVER) SALMON	ADULT	3	62.53	9.38	3	2.560	1.357	3
		01	RAINBOW TROUT	ADULT	2	36.20	5.94	2	0.524	0.220	2
0004	110982	01	DOLLY VARDEN	JUVENILE	5	25.74	2.38	5	0.187	0.038	5
		01	COHO (SILVER) SALMON	ADULT	3	68.07	1.50	3	3.250	0.131	3
		01	RAINBOW TROUT		1	0.00	0.00	0	0.000	0.000	0
		01	RAINBOW TROUT	JUVENILE	1	28.20	0.00	1	0.227	0.000	1
		01	RAINBOW TROUT	ADULT	3	34.00	6.86	3	0.463	0.216	3
	120982	01	DOLLY VARDEN	PARR	1	12.10	0.00	1	0.028	0.000	1
		01	DOLLY VARDEN	JUVENILE	12	25.52	2.01	12	0.158	0.035	12
		01	DOLLY VARDEN	ADULT	3	31.83	3.91	3	0.293	0.100	3
		01	COHO (SILVER) SALMON	ADULT	1	64.70	0.00	1	2.551	0.000	1
		01	PYGMY WHITE FISH	ADULT	1	13.90	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	PARR	1	15.80	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	JUVENILE	7	20.44	3.54	7	0.101	0.054	7
		01	RAINBOW TROUT	ADULT	7	33.21	6.76	7	0.421	0.302	7
		01	CHUM SALMON	JUVENILE	1	38.50	0.00	1	0.595	0.000	1
	130982	01	DOLLY VARDEN	PARR	1	21.70	0.00	1	0.142	0.000	1
		01	DOLLY VARDEN	JUVENILE	23	24.50	2.00	23	0.163	0.040	23
		01	DOLLY VARDEN	ADULT	6	29.55	2.29	6	0.265	0.039	6
		01	COHO (SILVER) SALMON	PARR	1	12.40	0.00	1	0.028	0.000	1
		01	COHO (SILVER) SALMON	ADULT	1	61.60	0.00	1	1.984	0.000	1
		01	RAINBOW TROUT	JUVENILE	3	23.57	7.34	3	0.198	0.130	3
		01	RAINBOW TROUT	ADULT	1	31.00	0.00	1	0.340	0.000	1
	140982	01	DOLLY VARDEN	JUVENILE	11	23.54	1.58	11	0.139	0.037	11
		01	DOLLY VARDEN	ADULT	2	28.50	0.57	2	0.213	0.020	2
		01	COHO (SILVER) SALMON	ADULT	1	74.80	0.00	1	4.308	0.000	1
		01	SOCKEYE (RED) SALMON	JUVENILE	1	34.60	0.00	1	0.454	0.000	1
		01	RAINBOW TROUT	PARR	1	12.70	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	JUVENILE	2	23.40	0.57	2	0.156	0.020	2
		01	RAINBOW TROUT	ADULT	3	36.10	3.82	3	0.482	0.098	3

TABLE 05 . SUMMARY OF RESULTS: FYKE NET SAMPLES
SEPTEMBER, 1982

PAGE 3

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0004	150982	01	DOLLY VARDEN	JUVENILE	17	24.72	2.61	17	0.180	0.047	17
		01	DOLLY VARDEN	ADULT	2	35.55	1.77	2	0.439	0.100	2
		01	COHO (SILVER) SALMON	ADULT	5	64.44	8.45	5	2.954	1.272	5
		01	RAINBOW TROUT	JUVENILE	2	20.35	4.17	2	0.128	0.060	2
		01	RAINBOW TROUT	ADULT	7	34.57	5.72	7	0.518	0.253	7
180982		01	DOLLY VARDEN	PARR	1	13.30	0.00	1	0.057	0.000	1
		01	DOLLY VARDEN	JUVENILE	10	24.23	2.64	10	0.150	0.040	10
		01	DOLLY VARDEN	ADULT	1	31.40	0.00	1	0.312	0.000	1
		01	COHO (SILVER) SALMON	PARR	1	10.80	0.00	1	0.028	0.000	1
		01	PYGMY WHITE FISH	ADULT	1	13.60	0.00	1	0.057	0.000	1
		01	RAINBOW TROUT	ADULT	1	29.80	0.00	1	0.283	0.000	1
200982		01	DOLLY VARDEN	PARR	1	17.40	0.00	1	0.057	0.000	1
		01	DOLLY VARDEN	JUVENILE	15	25.54	1.78	15	0.161	0.038	15
		01	DOLLY VARDEN	ADULT	3	31.03	0.86	3	0.293	0.033	3
		01	COHO (SILVER) SALMON	ADULT	2	66.70	3.96	2	3.288	0.641	2
		01	PYGMY WHITE FISH	ADULT	1	15.40	0.00	1	0.057	0.000	1
		01	RAINBOW TROUT	ADULT	1	37.70	0.00	1	0.567	0.000	1
210982		01	DOLLY VARDEN	JUVENILE	8	24.39	1.21	8	0.128	0.015	8
		01	DOLLY VARDEN	ADULT	5	31.62	2.22	5	0.283	0.060	5
		01	PYGMY WHITE FISH	ADULT	1	13.20	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	ADULT	2	30.90	8.91	2	0.368	0.281	2
		01	ROUND WHITE FISH	JUVENILE	1	18.10	0.00	1	0.057	0.000	1
230982		01	DOLLY VARDEN	JUVENILE	15	25.29	3.02	15	0.168	0.041	15
		01	DOLLY VARDEN	ADULT	10	33.33	3.98	10	0.354	0.154	10
		01	COHO (SILVER) SALMON	ADULT	1	63.50	0.00	1	2.494	0.000	1
		01	PYGMY WHITE FISH	ADULT	2	12.25	0.78	2	0.028	0.000	2
		01	RAINBOW TROUT	JUVENILE	2	23.35	3.89	2	0.156	0.060	2
		01	RAINBOW TROUT	ADULT	9	35.86	6.11	9	0.535	0.273	9
240982		01	DOLLY VARDEN	JUVENILE	13	22.68	3.70	13	0.137	0.038	13
		01	DOLLY VARDEN	ADULT	8	34.48	5.05	8	0.372	0.153	8
		01	PYGMY WHITE FISH	ADULT	3	13.30	0.85	3	0.057	0.000	3
		01	RAINBOW TROUT	JUVENILE	1	15.50	0.00	1	0.085	0.000	1
		01	RAINBOW TROUT	ADULT	3	33.07	3.98	3	0.435	0.215	3
250982		01	DOLLY VARDEN	PARR	1	11.30	0.00	1	0.028	0.000	1
		01	DOLLY VARDEN	JUVENILE	26	24.74	2.66	26	0.218	0.051	26
		01	DOLLY VARDEN	ADULT	7	35.34	3.64	7	0.393	0.070	7
		01	COHO (SILVER) SALMON	PARR	1	10.00	0.00	1	0.028	0.000	1
		01	COHO (SILVER) SALMON	ADULT	3	69.17	8.52	3	3.231	1.133	3
		01	RAINBOW TROUT	JUVENILE	4	22.40	2.95	4	0.149	0.048	4
		01	RAINBOW TROUT	ADULT	10	32.85	3.72	10	0.422	0.114	10
		01	SLIMY SCULPIN	JUVENILE	1	8.10	0.00	1	0.028	0.000	1
260982	01		DOLLY VARDEN	JUVENILE	10	24.36	2.57	10	0.142	0.044	10

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TABLE 5 . SUMMARY OF RESULTS: FYKE NET SAMPLES
SEPTEMBER, 1982

PAGE 4

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0004	260982	01	DOLLY VARDEN	ADULT	10	34.50	2.97	10	0.366	0.076	10
		01	PYGMY WHITE FISH	ADULT	1	15.90	0.00	1	0.057	0.000	1
		01	RAINBOW TROUT	JUVENILE	4	20.60	3.83	4	0.113	0.046	4
		01	RAINBOW TROUT	ADULT	5	37.30	7.34	5	0.533	0.379	5
		01	ROUND WHITE FISH	JUVENILE	1	17.60	0.00	1	0.085	0.000	1
	270982	01	DOLLY VARDEN	JUVENILE	10	24.47	1.62	10	0.139	0.034	10
		01	DOLLY VARDEN	ADULT	4	34.28	2.79	4	0.326	0.071	4
		01	COHO (SILVER) SALMON	ADULT	2	55.65	5.30	2	1.559	0.401	2
		01	RAINBOW TROUT	ADULT	13	31.55	5.93	13	0.358	0.239	13
	280982	01	DOLLY VARDEN	JUVENILE	18	25.87	2.60	18	0.162	0.048	18
		01	DOLLY VARDEN	ADULT	7	35.80	3.95	7	0.373	0.105	7
		01	RAINBOW TROUT	JUVENILE	8	19.43	4.27	8	0.106	0.033	8
		01	RAINBOW TROUT	ADULT	7	29.77	5.42	7	0.300	0.165	7
	290982	01	DOLLY VARDEN	JUVENILE	14	24.01	2.99	14	0.119	0.040	14
		01	DOLLY VARDEN	ADULT	4	32.88	2.07	4	0.319	0.058	4
		01	COHO (SILVER) SALMON	ADULT	1	30.60	0.00	1	0.340	0.000	1
		01	PYGMY WHITE FISH	ADULT	1	28.70	0.00	1	0.198	0.000	1
		01	RAINBOW TROUT	ADULT	2	29.30	5.66	2	0.255	0.160	2
0006	110982	01	DOLLY VARDEN	PARR	2	16.10	4.24	2	0.043	0.020	2
		01	DOLLY VARDEN	JUVENILE	13	27.18	2.76	13	0.201	0.051	13
		01	DOLLY VARDEN	ADULT	10	33.70	3.00	10	0.383	0.105	10
		01	RAINBOW TROUT	JUVENILE	1	25.60	0.00	1	0.227	0.000	1
		01	RAINBOW TROUT	ADULT	2	32.10	2.55	2	0.383	0.100	2
		01	ROUND WHITE FISH	JUVENILE	2	14.30	0.71	2	0.043	0.020	2
	120982	01	DOLLY VARDEN	PARR	1	14.30	0.00	1	0.057	0.000	1
		01	DOLLY VARDEN	JUVENILE	6	25.60	5.02	6	0.175	0.070	6
		01	DOLLY VARDEN	ADULT	3	31.13	2.06	3	0.293	0.059	3
		01	PYGMY WHITE FISH	JUVENILE	1	10.40	0.00	1	0.028	0.000	1
		01	SOCKEYE (RED) SALMON	ADULT	1	63.20	0.00	1	2.324	0.000	1
		01	RAINBOW TROUT	PARR	1	16.60	0.00	1	0.085	0.000	1
		01	RAINBOW TROUT	JUVENILE	2	23.35	0.07	2	0.156	0.020	2
	130982	01	DOLLY VARDEN	JUVENILE	8	27.60	2.32	8	0.216	0.030	8
		01	DOLLY VARDEN	ADULT	14	32.62	1.94	14	0.356	0.057	14
		01	COHO (SILVER) SALMON	ADULT	1	53.30	0.00	1	1.332	0.000	1
		01	PYGMY WHITE FISH	ADULT	2	14.75	1.63	2	0.043	0.020	2
		01	RAINBOW TROUT	JUVENILE	1	15.90	0.00	1	0.057	0.000	1
		01	RAINBOW TROUT	ADULT	3	35.80	6.74	3	0.491	0.241	3
		01	ROUND WHITE FISH	JUVENILE	1	18.10	0.00	1	0.057	0.000	1
		01	PINK SALMON	ADULT	1	51.60	0.00	1	1.190	0.000	1
	140982	01	DOLLY VARDEN	JUVENILE	2	23.70	1.98	2	0.128	0.020	2
		01	DOLLY VARDEN	ADULT	6	33.00	1.36	6	0.340	0.040	6

TABLE 05 . SUMMARY OF RESULTS: FYKE NET SAMPLES
SEPTEMBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0006	140982	01	COHO (SILVER) SALMON	ADULT	2	63.65	9.26	2	2.806	1.563	2
		01	RAINBOW TROUT	JUVENILE	1	22.90	0.00	1	0.170	0.000	1
		01	RAINBOW TROUT	ADULT	1	42.80	0.00	1	0.850	0.000	1
		01	ROUND WHITE FISH	ADULT	1	22.00	0.00	1	0.113	0.000	1
	150982	01	DOLLY VARDEN	JUVENILE	20	25.14	3.74	20	0.169	0.063	20
		01	DOLLY VARDEN	ADULT	9	33.37	5.22	9	0.362	0.165	9
		01	RAINBOW TROUT	JUVENILE	1	22.50	0.00	1	0.142	0.000	1
		01	RAINBOW TROUT	ADULT	2	37.50	4.67	2	0.609	0.140	2
		01	ROUND WHITE FISH	JUVENILE	2	16.65	1.06	2	0.057	0.000	2
	180982	01	DOLLY VARDEN	ADULT	1	32.10	0.00	1	0.340	0.000	1
		01	UNIDENTIFIED FISH		4	0.00	0.00	0	0.000	0.000	0
	200982	01	DOLLY VARDEN	JUVENILE	2	25.70	2.97	2	0.142	0.040	2
		01	DOLLY VARDEN	ADULT	1	32.60	0.00	1	0.255	0.000	1
		01	COHO (SILVER) SALMON	ADULT	1	37.90	0.00	1	0.425	0.000	1
		01	RAINBOW TROUT	JUVENILE	1	25.10	0.00	1	0.142	0.000	1
		01	RAINBOW TROUT	ADULT	1	31.80	0.00	1	0.368	0.000	1
		01	ROUND WHITE FISH	ADULT	1	32.90	0.00	1	0.255	0.000	1
		01	CHUM SALMON	ADULT	1	71.30	0.00	1	3.543	0.000	1
	210982	01	DOLLY VARDEN	JUVENILE	1	24.70	0.00	1	0.142	0.000	1
		01	DOLLY VARDEN	ADULT	1	33.10	0.00	1	0.340	0.000	1
		01	COHO (SILVER) SALMON	ADULT	1	55.10	0.00	1	1.389	0.000	1
220982	01		DOLLY VARDEN	JUVENILE	1	27.50	0.00	1	0.170	0.000	1
230982	01		DOLLY VARDEN	JUVENILE	3	26.13	3.95	3	0.170	0.057	3
			DOLLY VARDEN	ADULT	1	35.90	0.00	1	0.510	0.000	1
			COHO (SILVER) SALMON	PARR	1	14.80	0.00	1	0.057	0.000	1
240982	01		DOLLY VARDEN	JUVENILE	4	22.05	5.64	4	0.163	0.075	4
			DOLLY VARDEN	ADULT	1	34.10	0.00	1	0.340	0.000	1
			PYGMY WHITE FISH	ADULT	1	13.40	0.00	1	0.057	0.000	1
			RAINBOW TROUT	ADULT	1	38.70	0.00	1	0.624	0.000	1
			ROUND WHITE FISH	JUVENILE	1	16.60	0.00	1	0.057	0.000	1
			SLIMY SCULPIN	JUVENILE	1	11.20	0.00	1	0.057	0.000	1
250982	01		DOLLY VARDEN	JUVENILE	1	23.50	0.00	1	0.142	0.000	1
			DOLLY VARDEN	ADULT	2	31.80	1.56	2	0.354	0.060	2
			PYGMY WHITE FISH	ADULT	2	11.85	1.06	2	0.057	0.000	2
			ROUND WHITE FISH	JUVENILE	1	20.40	0.00	1	0.113	0.000	1
260982	01		DOLLY VARDEN	PARR	1	12.70	0.00	1	0.028	0.000	1
			DOLLY VARDEN	JUVENILE	3	26.23	5.05	3	0.189	0.071	3
			DOLLY VARDEN	ADULT	2	31.30	0.57	2	0.269	0.020	2
270982	01		DOLLY VARDEN	JUVENILE	2	22.90	2.40	2	0.128	0.020	2

TABLE 05 . SUMMARY OF RESULTS: FYKE NET SAMPLES
SEPTEMBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0006	270982	01	DOLLY VARDEN	ADULT	2	32.60	2.26	2	0.326	0.060	2
		01	COHO (SILVER) SALMON	PARR	1	14.90	0.00	1	0.057	0.000	1
		01	RAINBOW TROUT	ADULT	1	30.60	0.00	1	0.312	0.000	1
		01	ROUND WHITE FISH	JUVENILE	1	14.30	0.00	1	0.057	0.000	1
	290982	01	DOLLY VARDEN	JUVENILE	31	24.72	3.36	31	0.133	0.046	31
		01	DOLLY VARDEN	ADULT	18	33.06	4.23	18	0.310	0.116	18
		01	COHO (SILVER) SALMON	PARR	2	12.40	0.42	2	0.028	0.000	2
		01	RAINBOW TROUT	ADULT	6	34.33	7.30	6	0.463	0.288	6
		01	SLIMY SCULPIN	JUVENILE	4	11.25	1.34	4	0.028	0.000	4
	300982	01	DOLLY VARDEN	JUVENILE	74	25.19	3.35	74	0.149	0.049	74
		01	DOLLY VARDEN	ADULT	41	34.49	4.53	41	0.364	0.133	41
		01	COHO (SILVER) SALMON	PARR	7	13.03	0.81	7	0.032	0.011	7
		01	COHO (SILVER) SALMON	ADULT	3	56.77	3.18	3	1.625	0.215	3
		01	PYGMY WHITE FISH	ADULT	2	13.05	0.49	2	0.028	0.000	2
		01	RAINBOW TROUT	JUVENILE	4	24.58	5.49	4	0.206	0.156	4
		01	RAINBOW TROUT	ADULT	8	37.04	5.80	8	0.592	0.235	8
		01	ROUND WHITE FISH	JUVENILE	1	16.00	0.00	1	0.028	0.000	1
0009	270982	01	DOLLY VARDEN	JUVENILE	29	23.62	3.05	29	0.138	0.043	29
		01	DOLLY VARDEN	ADULT	15	33.45	2.22	15	0.350	0.076	15
		01	COHO (SILVER) SALMON	ADULT	8	55.54	5.04	8	1.591	0.460	8
		01	PYGMY WHITE FISH	ADULT	2	15.60	1.70	2	0.057	0.000	2
		01	CHINOOK (KING) SALMON	PARR	1	17.10	0.00	1	0.057	0.000	1
		01	RAINBOW TROUT	JUVENILE	3	23.17	0.60	3	0.161	0.016	3
		01	RAINBOW TROUT	ADULT	5	37.88	6.43	5	0.561	0.243	5
		01	ROUND WHITE FISH	ADULT	3	33.40	1.01	3	0.387	0.065	3
		01	CHUM SALMON	ADULT	2	72.70	2.97	2	4.039	0.020	2
	280982	01	DOLLY VARDEN	JUVENILE	16	24.93	4.24	16	0.163	0.075	16
		01	DOLLY VARDEN	ADULT	25	32.98	4.72	25	0.385	0.166	25
		01	COHO (SILVER) SALMON	ADULT	2	67.95	2.62	2	3.260	0.080	2
		01	RAINBOW TROUT	ADULT	3	35.00	2.75	3	0.359	0.087	3
		01	ROUND WHITE FISH	JUVENILE	1	22.30	0.00	1	0.085	0.000	1
	290982	01	DOLLY VARDEN	JUVENILE	10	26.44	2.03	10	0.170	0.038	10
		01	DOLLY VARDEN	ADULT	3	33.53	1.97	3	0.359	0.059	3
		01	COHO (SILVER) SALMON	ADULT	3	60.27	3.06	3	2.173	0.430	3
		01	RAINBOW TROUT	ADULT	1	47.30	0.00	1	1.077	0.000	1
	300982	01	DOLLY VARDEN	JUVENILE	18	24.99	3.34	18	0.150	0.057	18
		01	DOLLY VARDEN	ADULT	3	37.77	4.74	3	0.444	0.091	3
		01	COHO (SILVER) SALMON	ADULT	2	64.45	1.06	2	2.594	0.501	2
		01	PYGMY WHITE FISH	ADULT	1	15.80	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	ADULT	2	37.30	8.77	2	0.624	0.441	2

TABLE 5 . SUMMARY OF RESULTS: FYKE NET SAMPLES
SEPTEMBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
001D	240982	01	DOLLY VARDEN	JUVENILE	21	22.24	2.54	21	0.213	0.401	21
		01	DOLLY VARDEN	ADULT	8	35.70	4.37	8	0.393	0.131	8
		01	COHO (SILVER) SALMON	PARR	6	14.77	0.95	6	0.071	0.016	6
		01	ROUND WHITE FISH	JUVENILE	1	22.10	0.00	1	0.085	0.000	1
		01	CHUM SALMON	ADULT	3	68.97	0.67	3	3.326	0.832	3
		01	BERING CISCO	JUVENILE	3	21.10	3.72	3	0.132	0.059	3
		01	BERING CISCO	ADULT	1	38.90	0.00	1	0.624	0.000	1
		01	HOOLIGAN (EULACHON)	ADULT	3	21.30	0.61	3	0.057	0.000	3
	250982	01	DOLLY VARDEN	JUVENILE	84	21.48	3.54	84	0.122	0.041	84
		01	DOLLY VARDEN	ADULT	8	32.99	3.15	8	0.326	0.084	8
		01	COHO (SILVER) SALMON	PARR	8	14.50	0.73	8	0.057	0.000	8
		01	RAINBOW TROUT	JUVENILE	4	18.35	3.21	4	0.092	0.036	4
		01	RAINBOW TROUT	ADULT	1	24.20	0.00	1	0.227	0.000	1
		01	ROUND WHITE FISH	JUVENILE	1	14.70	0.00	1	0.057	0.000	1
		01	BERING CISCO	JUVENILE	4	20.40	4.16	4	0.099	0.049	4
	260982	01	DOLLY VARDEN	JUVENILE	45	22.07	3.54	45	0.122	0.047	45
		01	DOLLY VARDEN	ADULT	4	32.10	1.57	4	0.319	0.036	4
		01	COHO (SILVER) SALMON	PARR	8	14.71	0.61	8	0.057	0.000	8
		01	RAINBOW TROUT	JUVENILE	3	19.37	2.46	3	0.094	0.043	3
		01	RAINBOW TROUT	ADULT	1	27.60	0.00	1	0.227	0.000	1
		01	ROUND WHITE FISH	JUVENILE	3	19.23	5.46	3	0.076	0.033	3
		01	CHUM SALMON	JUVENILE	1	21.80	0.00	1	0.113	0.000	1
	270982	01	DOLLY VARDEN	JUVENILE	27	22.81	3.62	27	0.143	0.049	27
		01	DOLLY VARDEN	ADULT	11	34.38	3.65	11	0.363	0.115	11
		01	COHO (SILVER) SALMON	PARR	12	14.11	1.10	12	0.059	0.008	12
		01	RAINBOW TROUT	JUVENILE	3	18.37	3.93	3	0.113	0.049	3
		01	CHUM SALMON	ADULT	2	66.15	3.75	2	2.509	1.223	2
		01	BERING CISCO	JUVENILE	2	18.20	0.14	2	0.085	0.000	2
	280982	01	DOLLY VARDEN	JUVENILE	17	21.00	3.98	17	0.102	0.046	17
		01	DOLLY VARDEN	ADULT	1	34.10	0.00	1	0.368	0.000	1
		01	COHO (SILVER) SALMON	PARR	2	14.40	0.28	2	0.057	0.000	2
		01	COHO (SILVER) SALMON	JUVENILE	1	14.20	0.00	1	0.057	0.000	1
		01	BERING CISCO	JUVENILE	1	17.20	0.00	1	0.057	0.000	1
	290982	01	DOLLY VARDEN	JUVENILE	26	21.52	3.91	26	0.099	0.045	26
		01	DOLLY VARDEN	ADULT	3	33.70	5.79	3	0.312	0.150	3
		01	COHO (SILVER) SALMON	PARR	2	14.80	1.13	2	0.043	0.020	2
		01	PYGMY WHITE FISH	PARR	1	15.20	0.00	1	0.057	0.000	1
		01	RAINBOW TROUT	JUVENILE	1	22.50	0.00	1	0.113	0.000	1
	300982	01	DOLLY VARDEN	JUVENILE	16	21.51	4.02	16	0.113	0.069	16
		01	DOLLY VARDEN	ADULT	2	38.60	10.04	2	0.496	0.301	2
		01	COHO (SILVER) SALMON	PARR	1	14.40	0.00	1	0.057	0.000	1
		01	RAINBOW TROUT	ADULT	1	33.70	0.00	1	0.425	0.000	1
		01	BERING CISCO	ADULT	2	26.60	1.13	2	0.184	0.060	2

TABLE 04 . SUMMARY OF RESULTS: FYKE NET SAMPLES
OCTOBER, 1982

PAGE 1

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0003	011082	01	DOLLY VARDEN	JUVENILE	5	24.22	3.88	5	0.147	0.095	5
		01	DOLLY VARDEN	ADULT	1	42.70	0.00	1	0.652	0.000	1
		01	COHO (SILVER) SALMON	ADULT	5	59.86	6.53	5	2.092	0.935	5
		01	RAINBOW TROUT	JUVENILE	3	19.57	1.76	3	0.113	0.028	3
		01	RAINBOW TROUT	ADULT	4	37.58	7.93	4	0.581	0.313	4
	021082	01	DOLLY VARDEN	JUVENILE	2	27.40	0.85	2	0.213	0.020	2
		01	DOLLY VARDEN	ADULT	2	35.60	4.53	2	0.454	0.160	2
		01	ROUND WHITE FISH	JUVENILE	1	14.90	0.00	1	0.028	0.000	1
	031082	01	DOLLY VARDEN	JUVENILE	8	26.29	2.06	8	0.170	0.034	8
		01	DOLLY VARDEN	ADULT	7	34.49	2.23	7	0.360	0.069	7
		01	COHO (SILVER) SALMON	PARR	4	14.55	0.41	4	0.035	0.014	4
		01	COHO (SILVER) SALMON	ADULT	1	57.60	0.00	1	1.616	0.000	1
		01	RAINBOW TROUT	JUVENILE	1	23.80	0.00	1	0.142	0.000	1
		01	RAINBOW TROUT	ADULT	5	29.50	5.87	5	0.312	0.187	5
		01	ROUND WHITE FISH	JUVENILE	3	19.07	2.80	3	0.076	0.033	3
	041082	01	DOLLY VARDEN	JUVENILE	4	26.42	4.21	4	0.170	0.065	4
		01	DOLLY VARDEN	ADULT	1	34.80	0.00	1	0.340	0.000	1
		01	COHO (SILVER) SALMON	PARR	3	15.87	1.25	3	0.057	0.000	3
		01	COHO (SILVER) SALMON	ADULT	1	62.50	0.00	1	2.466	0.000	1
		01	RAINBOW TROUT	JUVENILE	3	18.17	4.97	3	0.076	0.033	3
		01	RAINBOW TROUT	ADULT	7	32.23	7.96	7	0.413	0.321	7
		01	ROUND WHITE FISH	ADULT	3	24.47	2.46	3	0.142	0.028	3
	051082	01	DOLLY VARDEN	JUVENILE	11	26.24	3.51	11	0.186	0.053	11
		01	DOLLY VARDEN	ADULT	2	33.10	1.13	2	0.283	0.040	2
		01	COHO (SILVER) SALMON	PARR	6	15.78	1.66	6	0.057	0.000	6
		01	COHO (SILVER) SALMON	ADULT	2	66.35	1.63	2	2.792	0.621	2
		01	PYGMY WHITE FISH	ADULT	4	14.03	0.62	4	0.057	0.000	4
		01	RAINBOW TROUT	JUVENILE	1	21.50	0.00	1	0.113	0.000	1
		01	RAINBOW TROUT	ADULT	1	27.60	0.00	1	0.255	0.000	1
		01	ROUND WHITE FISH	JUVENILE	2	16.55	0.21	2	0.057	0.000	2
	061082	01	DOLLY VARDEN	JUVENILE	17	25.39	2.14	17	0.148	0.027	17
		01	DOLLY VARDEN	ADULT	10	31.76	2.07	10	0.312	0.067	10
		01	COHO (SILVER) SALMON	JUVENILE	1	14.60	0.00	1	0.057	0.000	1
		01	PYGMY WHITE FISH	ADULT	1	13.90	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	JUVENILE	2	20.75	3.04	2	0.099	0.060	2
		01	RAINBOW TROUT	ADULT	4	27.90	3.94	4	0.220	0.078	4
		01	ROUND WHITE FISH	JUVENILE	1	17.70	0.00	1	0.057	0.000	1
	081082	01	DOLLY VARDEN	JUVENILE	31	23.81	3.98	31	0.135	0.054	31
		01	DOLLY VARDEN	ADULT	24	33.88	3.44	24	0.334	0.079	24
		01	COHO (SILVER) SALMON	PARR	2	14.60	0.42	2	0.043	0.020	2
		01	COHO (SILVER) SALMON	ADULT	4	55.90	8.44	4	1.835	0.637	4

TABLE 06 . SUMMARY OF RESULTS: FYKE NET SAMPLES
OCTOBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0003	081082	01	PYGMY WHITE FISH	ADULT	1	15.00	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	JUVENILE	9	23.30	2.35	9	0.139	0.036	9
		01	RAINBOW TROUT	ADULT	13	32.26	5.30	13	0.397	0.210	13
		01	ROUND WHITE FISH	JUVENILE	3	21.53	1.46	3	0.085	0.028	3
	091082	01	DOLLY VARDEN	JUVENILE	39	22.20	3.46	39	0.118	0.042	39
		01	DOLLY VARDEN	ADULT	16	33.03	3.67	16	0.330	0.101	16
		01	COHO (SILVER) SALMON	PARR	3	15.53	0.38	3	0.057	0.000	3
		01	COHO (SILVER) SALMON	ADULT	3	56.67	8.33	3	1.776	0.951	3
		01	SOCKEYE (RED) SALMON	ADULT	1	48.30	0.00	1	1.077	0.000	1
		01	RAINBOW TROUT	JUVENILE	7	22.44	2.62	7	0.138	0.048	7
		01	RAINBOW TROUT	ADULT	6	27.13	3.19	6	0.222	0.038	6
		01	ROUND WHITE FISH	JUVENILE	2	17.40	1.70	2	0.071	0.020	2
		01	ROUND WHITE FISH	ADULT	1	33.10	0.00	1	0.340	0.000	1
	101082	01	DOLLY VARDEN	JUVENILE	25	23.06	2.86	25	0.124	0.034	25
		01	DOLLY VARDEN	ADULT	7	32.23	1.60	7	0.316	0.070	7
		01	COHO (SILVER) SALMON	PARR	13	14.11	1.17	13	0.039	0.014	13
		01	COHO (SILVER) SALMON	ADULT	1	59.50	0.00	1	1.899	0.000	1
		01	PYGMY WHITE FISH	ADULT	2	14.80	0.99	2	0.043	0.020	2
		01	RAINBOW TROUT	JUVENILE	4	22.73	1.87	4	0.128	0.016	4
		01	RAINBOW TROUT	ADULT	2	32.00	3.39	2	0.326	0.100	2
	121082	01	DOLLY VARDEN	JUVENILE	31	23.53	3.88	31	0.129	0.054	31
		01	DOLLY VARDEN	ADULT	11	32.03	1.40	11	0.289	0.040	11
		01	COHO (SILVER) SALMON	PARR	11	14.17	0.71	11	0.044	0.015	11
		01	COHO (SILVER) SALMON	ADULT	2	61.45	4.45	2	2.183	0.601	2
		01	PYGMY WHITE FISH	ADULT	1	13.80	0.00	1	0.057	0.000	1
		01	RAINBOW TROUT	JUVENILE	6	21.63	3.67	6	0.118	0.042	6
		01	RAINBOW TROUT	ADULT	4	26.55	0.89	4	0.191	0.027	4
		01	ROUND WHITE FISH	JUVENILE	8	18.91	3.02	8	0.078	0.029	8
		01	ROUND WHITE FISH	ADULT	1	24.50	0.00	1	0.113	0.000	1
		01	SLIMY SCULPIN	ADULT	2	10.90	0.14	2	0.028	0.000	2
	131082	01	DOLLY VARDEN	JUVENILE	1	17.90	0.00	1	0.057	0.000	1
		01	COHO (SILVER) SALMON	PARR	1	14.50	0.00	1	0.057	0.000	1
		01	RAINBOW TROUT	JUVENILE	4	23.28	1.19	4	0.128	0.016	4
		01	RAINBOW TROUT	ADULT	4	31.50	4.86	4	0.319	0.128	4
		01	ROUND WHITE FISH	JUVENILE	2	17.10	0.14	2	0.057	0.000	2
		01	CHUM SALMON	ADULT	1	72.30	0.00	1	3.118	0.000	1
	151082	01	DOLLY VARDEN	JUVENILE	6	19.50	2.31	6	0.061	0.012	6
		01	DOLLY VARDEN	ADULT	4	40.45	5.53	4	0.503	0.163	4
		01	COHO (SILVER) SALMON	PARR	4	15.35	1.70	4	0.043	0.016	4
		01	COHO (SILVER) SALMON	JUVENILE	3	14.63	1.47	3	0.047	0.033	3
		01	COHO (SILVER) SALMON	ADULT	2	56.25	1.77	2	1.630	0.381	2
		01	CHINOOK (KING) SALMON	JUVENILE	1	27.60	0.00	1	0.198	0.000	1

TABLE 6 . SUMMARY OF RESULTS: FYKE NET SAMPLES
OCTOBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0003	151082	01	RAINBOW TROUT	JUVENILE	4	22.38	1.57	4	0.092	0.027	4
		01	RAINBOW TROUT	ADULT	6	30.90	6.26	6	0.307	0.263	6
		01	ROUND WHITE FISH	JUVENILE	14	20.27	3.03	14	0.075	0.024	14
	171082	01	DOLLY VARDEN	JUVENILE	18	21.13	2.89	18	0.098	0.030	18
		01	DOLLY VARDEN	ADULT	5	32.00	2.28	5	0.272	0.038	5
		01	COHO (SILVER) SALMON	JUVENILE	1	13.50	0.00	1	0.028	0.000	1
		01	PYGMY WHITE FISH	ADULT	6	14.78	0.97	6	0.057	0.000	6
		01	ROUND WHITE FISH	JUVENILE	6	19.27	3.71	6	0.076	0.034	6
		01	ROUND WHITE FISH	ADULT	1	26.10	0.00	1	0.170	0.000	1
	011082	01	DOLLY VARDEN	JUVENILE	31	24.72	3.51	31	0.145	0.047	31
		01	DOLLY VARDEN	ADULT	21	35.54	3.93	21	0.385	0.114	21
		01	COHO (SILVER) SALMON	PARR	1	15.30	0.00	1	0.057	0.000	1
		01	COHO (SILVER) SALMON	ADULT	4	60.20	5.18	4	1.942	0.680	4
		01	RAINBOW TROUT	JUVENILE	13	21.18	3.89	13	0.102	0.032	13
		01	RAINBOW TROUT	ADULT	16	32.69	6.09	16	0.397	0.251	16
	021082	01	DOLLY VARDEN	JUVENILE	29	21.10	5.06	29	0.109	0.056	29
		01	DOLLY VARDEN	ADULT	1	38.60	0.00	1	0.425	0.000	1
		01	COHO (SILVER) SALMON	PARR	1	12.10	0.00	1	0.028	0.000	1
		01	COHO (SILVER) SALMON	ADULT	5	57.56	1.44	5	1.593	0.265	5
		01	PYGMY WHITE FISH	ADULT	1	11.60	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	JUVENILE	19	18.66	3.11	19	0.084	0.028	19
	031082	01	RAINBOW TROUT	ADULT	4	30.25	4.20	4	0.312	0.116	4
		01	DOLLY VARDEN	JUVENILE	21	22.57	4.07	21	0.124	0.049	21
		01	DOLLY VARDEN	ADULT	6	34.32	3.18	6	0.350	0.069	6
		01	COHO (SILVER) SALMON	PARR	1	12.90	0.00	1	0.028	0.000	1
		01	COHO (SILVER) SALMON	ADULT	2	57.80	0.99	2	1.644	0.200	2
		01	RAINBOW TROUT	JUVENILE	7	20.61	2.67	7	0.101	0.028	7
	041082	01	RAINBOW TROUT	ADULT	7	32.56	6.01	7	0.360	0.145	7
		01	ROUND WHITE FISH	JUVENILE	1	17.20	0.00	1	0.057	0.000	1
		01	SLIMY SCULPIN	JUVENILE	1	9.30	0.00	1	0.028	0.000	1
		01	DOLLY VARDEN	JUVENILE	11	23.09	5.78	11	0.129	0.074	11
		01	DOLLY VARDEN	ADULT	9	35.82	5.04	9	0.318	0.185	9
		01	COHO (SILVER) SALMON	ADULT	1	68.80	0.00	1	3.288	0.000	1
	051082	01	RAINBOW TROUT	JUVENILE	3	22.97	0.81	3	0.123	0.016	3
		01	RAINBOW TROUT	ADULT	6	32.85	6.61	6	0.402	0.247	6
		01	DOLLY VARDEN	JUVENILE	32	23.64	4.33	32	0.132	0.057	32
		01	DOLLY VARDEN	ADULT	9	32.88	3.35	9	0.283	0.079	9
		01	COHO (SILVER) SALMON	PARR	2	12.45	0.35	2	0.028	0.000	2
		01	COHO (SILVER) SALMON	JUVENILE	1	13.40	0.00	1	0.028	0.000	1
		01	CHINOOK (KING) SALMON	PARR	1	11.20	0.00	1	0.028	0.000	1

TABLE 06 . SUMMARY OF RESULTS: FYKE NET SAMPLES
OCTOBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0004	051082	01	RAINBOW TROUT	JUVENILE	3	21.80	1.04	3	0.123	0.016	3
		01	RAINBOW TROUT	ADULT	3	32.70	3.30	3	0.283	0.102	3
		01	ROUND WHITE FISH	JUVENILE	1	15.10	0.00	1	0.028	0.000	1
	061082	01	DOLLY VARDEN	JUVENILE	91	22.36	4.40	91	0.119	0.051	91
		01	DOLLY VARDEN	ADULT	29	33.41	3.49	29	0.323	0.085	29
		01	COHO (SILVER) SALMON	PARR	2	13.60	1.56	2	0.043	0.020	2
		01	COHO (SILVER) SALMON	JUVENILE	1	13.80	0.00	1	0.028	0.000	1
		01	PYGMY WHITE FISH	ADULT	2	12.35	0.35	2	0.028	0.000	2
		01	RAINBOW TROUT	JUVENILE	13	19.35	2.07	13	0.098	0.025	13
		01	RAINBOW TROUT	ADULT	4	27.73	2.31	4	0.241	0.054	4
		01	SLIMY SCULPIN	JUVENILE	4	11.03	4.94	4	0.028	0.000	4
		01	SLIMY SCULPIN	ADULT	1	10.80	0.00	1	0.028	0.000	1
		01	CHUM SALMON	ADULT	1	59.10	0.00	1	1.616	0.000	1
	071082	01	DOLLY VARDEN	JUVENILE	25	22.91	3.65	25	0.120	0.044	25
		01	DOLLY VARDEN	ADULT	10	33.20	3.79	10	0.340	0.172	10
		01	COHO (SILVER) SALMON	PARR	1	13.50	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	JUVENILE	10	19.73	3.49	10	0.108	0.035	10
		01	RAINBOW TROUT	ADULT	2	27.50	1.13	2	0.227	0.040	2
	081082	01	DOLLY VARDEN	JUVENILE	23	22.42	3.45	23	0.116	0.038	23
		01	DOLLY VARDEN	ADULT	10	33.81	4.25	10	0.334	0.119	10
		01	COHO (SILVER) SALMON	PARR	4	13.45	0.78	4	0.028	0.000	4
		01	COHO (SILVER) SALMON	JUVENILE	1	12.10	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	JUVENILE	9	21.82	2.68	9	0.120	0.037	9
		01	RAINBOW TROUT	ADULT	4	28.88	2.49	4	0.255	0.061	4
		01	SLIMY SCULPIN	JUVENILE	1	9.30	0.00	1	0.028	0.000	1
		01	CHUM SALMON	ADULT	1	62.50	0.00	1	2.154	0.000	1
	091082	01	DOLLY VARDEN	JUVENILE	34	21.17	3.94	34	0.108	0.047	34
		01	DOLLY VARDEN	ADULT	15	33.79	3.09	15	0.270	0.092	15
		01	COHO (SILVER) SALMON	PARR	7	12.96	1.44	7	0.032	0.011	7
		01	COHO (SILVER) SALMON	JUVENILE	1	16.60	0.00	1	0.057	0.000	1
		01	RAINBOW TROUT	JUVENILE	8	18.69	3.14	8	0.092	0.033	8
		01	RAINBOW TROUT	ADULT	2	33.80	11.88	2	0.496	0.461	2
		01	SLIMY SCULPIN	JUVENILE	1	9.70	0.00	1	0.028	0.000	1
	101082	01	DOLLY VARDEN	JUVENILE	30	20.92	3.89	30	0.096	0.033	30
		01	DOLLY VARDEN	ADULT	11	31.38	3.85	11	0.268	0.083	11
		01	COHO (SILVER) SALMON	PARR	7	12.23	1.53	7	0.032	0.011	7
		01	RAINBOW TROUT	JUVENILE	10	20.03	4.61	10	0.105	0.060	10
		01	RAINBOW TROUT	ADULT	9	30.00	7.10	9	0.340	0.196	9
		01	ROUND WHITE FISH	JUVENILE	1	15.10	0.00	1	0.057	0.000	1
	111082	01	DOLLY VARDEN	JUVENILE	7	17.97	6.35	7	0.081	0.084	7
		01	DOLLY VARDEN	ADULT	11	32.89	2.74	11	0.309	0.065	11

TABLE 06 . SUMMARY OF RESULTS: FYKE NET SAMPLES
OCTOBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0004	111082	01	COHO (SILVER) SALMON	PARR	5	12.24	2.24	5	0.028	0.000	5
		01	PYGMY WHITE FISH	ADULT	1	11.20	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	JUVENILE	1	25.50	0.00	1	0.198	0.000	1
		01	RAINBOW TROUT	ADULT	4	27.95	1.30	4	0.227	0.040	4
		01	SLIMY SCULPIN	JUVENILE	2	9.15	0.07	2	0.028	0.000	2
	121082	01	DOLLY VARDEN	JUVENILE	6	20.58	3.13	6	0.104	0.023	6
		01	DOLLY VARDEN	ADULT	10	34.34	4.26	10	0.323	0.124	10
		01	COHO (SILVER) SALMON	PARR	4	13.73	0.90	4	0.043	0.016	4
		01	PYGMY WHITE FISH	ADULT	1	12.60	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	JUVENILE	5	19.76	5.62	5	0.108	0.058	5
	131082	01	DOLLY VARDEN	JUVENILE	2	23.55	1.06	2	0.128	0.020	2
		01	DOLLY VARDEN	ADULT	2	33.30	4.81	2	0.298	0.060	2
		01	COHO (SILVER) SALMON	PARR	4	12.98	1.42	4	0.035	0.014	4
		01	RAINBOW TROUT	JUVENILE	1	23.90	0.00	1	0.142	0.000	1
	141082	01	DOLLY VARDEN	JUVENILE	5	17.38	4.34	5	0.068	0.043	5
		01	DOLLY VARDEN	ADULT	3	33.87	6.54	3	0.350	0.189	3
		01	COHO (SILVER) SALMON	PARR	4	13.33	0.50	4	0.028	0.000	4
		01	PYGMY WHITE FISH	ADULT	1	13.10	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	JUVENILE	1	20.60	0.00	1	0.113	0.000	1
		01	RAINBOW TROUT	ADULT	1	30.30	0.00	1	0.340	0.000	1
	151082	01	DOLLY VARDEN	JUVENILE	14	19.34	5.34	14	0.077	0.050	14
		01	DOLLY VARDEN	ADULT	9	32.93	3.91	9	0.290	0.082	9
		01	COHO (SILVER) SALMON	PARR	4	13.38	1.49	4	0.043	0.016	4
		01	RAINBOW TROUT	JUVENILE	5	19.92	5.36	5	0.085	0.040	5
		01	RAINBOW TROUT	ADULT	4	32.83	4.55	4	0.319	0.143	4
	161082	01	DOLLY VARDEN	JUVENILE	7	22.24	4.85	7	0.247	0.243	7
		01	DOLLY VARDEN	ADULT	7	35.14	4.74	7	0.368	0.184	7
		01	PYGMY WHITE FISH	JUVENILE	2	11.30	0.28	2	0.028	0.000	2
		01	RAINBOW TROUT	JUVENILE	2	20.05	0.92	2	0.099	0.020	2
		01	RAINBOW TROUT	ADULT	3	30.13	3.40	3	0.274	0.115	3
		01	ROUND WHITE FISH	JUVENILE	1	11.60	0.00	1	0.028	0.000	1
	171082	01	DOLLY VARDEN	JUVENILE	4	25.18	5.64	4	0.156	0.085	4
		01	DOLLY VARDEN	ADULT	12	34.88	4.21	12	0.319	0.086	12
		01	RAINBOW TROUT	JUVENILE	1	13.10	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	ADULT	11	34.15	5.52	11	0.430	0.200	11
0006	011082	01	DOLLY VARDEN	PARR	1	14.10	0.00	1	0.028	0.000	1
		01	DOLLY VARDEN	JUVENILE	45	24.74	3.78	45	0.146	0.050	45
		01	DOLLY VARDEN	ADULT	20	31.01	4.21	20	0.272	0.081	20
		01	COHO (SILVER) SALMON	PARR	5	13.62	0.95	5	0.034	0.013	5

TABLE 06 . SUMMARY OF RESULTS: FYKE NET SAMPLES
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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0006	011082	01	PYGMY WHITE FISH	ADULT	6	13.10	0.99	6	0.028	0.000	6
		01	RAINBOW TROUT	JUVENILE	2	19.10	7.78	2	0.099	0.100	2
		01	RAINBOW TROUT	ADULT	4	28.05	3.14	4	0.227	0.080	4
		01	ROUND WHITE FISH	ADULT	1	24.40	0.00	1	0.113	0.000	1
		01	SLIMY SCULPIN	JUVENILE	1	9.90	0.00	1	0.028	0.000	1
	021082	01	DOLLY VARDEN	JUVENILE	49	24.41	4.03	49	0.149	0.063	49
		01	DOLLY VARDEN	ADULT	14	33.68	3.76	14	0.358	0.119	14
		01	COHO (SILVER) SALMON	PARR	2	14.70	0.99	2	0.043	0.020	2
		01	COHO (SILVER) SALMON	ADULT	1	61.60	0.00	1	2.239	0.000	1
		01	PYGMY WHITE FISH	ADULT	4	12.05	0.79	4	0.028	0.000	4
		01	RAINBOW TROUT	JUVENILE	9	20.39	3.39	9	0.110	0.056	9
		01	RAINBOW TROUT	ADULT	12	32.25	7.10	12	0.392	0.233	12
		01	CHUM SALMON	ADULT	1	67.80	0.00	1	2.693	0.000	1
	031082	01	DOLLY VARDEN	JUVENILE	122	25.68	2.92	122	0.158	0.046	122
		01	DOLLY VARDEN	ADULT	49	32.36	2.60	49	0.289	0.071	49
		01	COHO (SILVER) SALMON	PARR	31	13.55	1.10	31	0.031	0.009	31
		01	PYGMY WHITE FISH	ADULT	5	13.12	0.71	5	0.028	0.000	5
		01	RAINBOW TROUT	JUVENILE	1	14.50	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	ADULT	7	33.06	6.28	7	0.417	0.272	7
		01	ROUND WHITE FISH	JUVENILE	2	15.85	0.35	2	0.028	0.000	2
	041082	01	DOLLY VARDEN	JUVENILE	48	24.22	3.29	48	0.135	0.042	48
		01	DOLLY VARDEN	ADULT	8	33.48	3.92	8	0.315	0.115	8
		01	COHO (SILVER) SALMON	PARR	29	13.18	1.00	29	0.029	0.005	29
		01	COHO (SILVER) SALMON	JUVENILE	1	13.40	0.00	1	0.028	0.000	1
		01	PYGMY WHITE FISH	ADULT	1	13.10	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	JUVENILE	7	19.96	1.62	7	0.097	0.022	7
		01	RAINBOW TROUT	ADULT	10	29.46	4.15	10	0.286	0.144	10
		01	ROUND WHITE FISH	JUVENILE	4	15.30	1.15	4	0.043	0.016	4
		01	ROUND WHITE FISH	ADULT	1	24.60	0.00	1	0.142	0.000	1
		01	SLIMY SCULPIN	JUVENILE	1	9.10	0.00	1	0.028	0.000	1
	051082	01	DOLLY VARDEN	JUVENILE	65	22.10	3.85	65	0.116	0.042	65
		01	DOLLY VARDEN	ADULT	2	29.45	2.47	2	0.241	0.060	2
		01	COHO (SILVER) SALMON	PARR	25	13.11	1.14	25	0.033	0.011	25
		01	PYGMY WHITE FISH	JUVENILE	1	10.40	0.00	1	0.028	0.000	1
		01	PYGMY WHITE FISH	ADULT	2	12.90	2.12	2	0.043	0.020	2
		01	RAINBOW TROUT	JUVENILE	1	22.30	0.00	1	0.142	0.000	1
		01	RAINBOW TROUT	ADULT	5	34.18	3.11	5	0.408	0.118	5
		01	ROUND WHITE FISH	JUVENILE	1	16.50	0.00	1	0.057	0.000	1
	061082	01	DOLLY VARDEN	JUVENILE	106	22.84	4.45	106	0.127	0.057	106
		01	DOLLY VARDEN	ADULT	9	31.17	1.30	9	0.287	0.039	9
		01	COHO (SILVER) SALMON	PARR	17	12.99	0.94	17	0.032	0.009	17
		01	COHO (SILVER) SALMON	JUVENILE	8	12.98	0.80	8	0.032	0.010	8

TABLE 6 . SUMMARY OF RESULTS: FYKE NET SAMPLES
OCTOBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0006	061082	01	PYGMY WHITE FISH	ADULT	11	12.67	1.00	11	0.033	0.011	11
		01	RAINBOW TROUT	JUVENILE	10	19.95	4.16	10	0.102	0.054	10
		01	RAINBOW TROUT	ADULT	9	28.79	2.97	9	0.271	0.102	9
		01	ROUND WHITE FISH	ADULT	2	23.10	4.10	2	0.128	0.060	2
		01	SLIMY SCULPIN	ADULT	1	10.30	0.00	1	0.057	0.000	1
	071082	01	DOLLY VARDEN	JUVENILE	85	21.07	4.53	85	0.105	0.048	85
		01	DOLLY VARDEN	ADULT	10	31.25	1.81	10	0.281	0.045	10
		01	COHO (SILVER) SALMON	PARR	31	12.82	1.29	31	0.034	0.011	31
		01	COHO (SILVER) SALMON	JUVENILE	1	15.50	0.00	1	0.057	0.000	1
		01	PYGMY WHITE FISH	JUVENILE	4	11.30	0.55	4	0.028	0.000	4
		01	PYGMY WHITE FISH	ADULT	12	12.10	0.72	12	0.028	0.000	12
		01	RAINBOW TROUT	JUVENILE	20	20.34	3.74	20	0.101	0.045	20
		01	RAINBOW TROUT	ADULT	18	27.61	2.45	18	0.220	0.060	18
		01	ROUND WHITE FISH	JUVENILE	7	14.31	0.75	7	0.040	0.015	7
		01	ROUND WHITE FISH	ADULT	4	12.50	0.92	4	0.035	0.014	4
		01	SLIMY SCULPIN	ADULT	1	10.90	0.00	1	0.028	0.000	1
	081082	01	DOLLY VARDEN	JUVENILE	59	20.81	5.13	59	0.104	0.057	59
		01	DOLLY VARDEN	ADULT	10	31.68	1.48	10	0.275	0.040	10
		01	COHO (SILVER) SALMON	PARR	29	13.11	1.02	29	0.031	0.009	29
		01	PYGMY WHITE FISH	ADULT	14	12.39	1.26	14	0.030	0.008	14
		01	RAINBOW TROUT	JUVENILE	14	19.76	4.06	14	0.101	0.048	14
		01	RAINBOW TROUT	ADULT	4	30.53	4.17	4	0.319	0.147	4
		01	ROUND WHITE FISH	JUVENILE	6	15.18	1.04	6	0.038	0.015	6
	091082	01	DOLLY VARDEN	JUVENILE	64	21.08	4.37	64	0.107	0.050	64
		01	DOLLY VARDEN	ADULT	4	31.95	3.05	4	0.333	0.109	4
		01	COHO (SILVER) SALMON	PARR	30	13.39	1.27	30	0.033	0.011	30
		01	PYGMY WHITE FISH	JUVENILE	1	10.10	0.00	1	0.028	0.000	1
		01	PYGMY WHITE FISH	ADULT	2	13.80	2.55	2	0.043	0.020	2
		01	SOCKEYE (RED) SALMON	ADULT	1	52.10	0.00	1	1.332	0.000	1
		01	RAINBOW TROUT	JUVENILE	9	19.87	2.67	9	0.101	0.025	9
		01	RAINBOW TROUT	ADULT	7	28.61	2.32	7	0.243	0.075	7
		01	ROUND WHITE FISH	JUVENILE	3	14.90	2.07	3	0.047	0.016	3
		01	SLIMY SCULPIN	JUVENILE	2	9.50	0.85	2	0.028	0.000	2
		01	SLIMY SCULPIN	ADULT	2	11.50	0.85	2	0.028	0.000	2
	101082	01	DOLLY VARDEN	PARR	1	12.60	0.00	1	0.028	0.000	1
		01	DOLLY VARDEN	JUVENILE	95	20.91	4.41	95	0.099	0.042	95
		01	DOLLY VARDEN	ADULT	10	31.85	2.45	10	0.264	0.054	10
		01	COHO (SILVER) SALMON	PARR	70	12.97	1.11	70	0.030	0.007	70
		01	PYGMY WHITE FISH	ADULT	3	13.13	2.05	3	0.038	0.016	3
		01	RAINBOW TROUT	JUVENILE	18	19.18	3.57	18	0.088	0.040	18
		01	RAINBOW TROUT	ADULT	18	31.12	4.13	18	0.320	0.157	18
		01	ROUND WHITE FISH	JUVENILE	1	15.20	0.00	1	0.057	0.000	1
		01	SLIMY SCULPIN	JUVENILE	1	8.90	0.00	1	0.028	0.000	1

TABLE 06 . SUMMARY OF RESULTS: FYKE NET SAMPLES
OCTOBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0006	101082	01	SLIMY SCULPIN	ADULT	1	10.60	0.00	1	0.028	0.000	1
	111082	01	DOLLY VARDEN	JUVENILE	34	19.01	4.45	34	0.088	0.040	33
		01	DOLLY VARDEN	ADULT	1	30.80	0.00	1	0.255	0.000	1
		01	COHO (SILVER) SALMON	PARR	77	12.78	1.17	77	0.031	0.008	77
		01	PYGMY WHITE FISH	ADULT	7	12.81	1.42	7	0.038	0.015	6
		01	RAINBOW TROUT	JUVENILE	10	18.12	3.19	10	0.082	0.026	9
		01	ROUND WHITE FISH	JUVENILE	1	14.20	0.00	1	0.057	0.000	1
	121082	01	COHO (SILVER) SALMON	PARR	8	12.11	1.48	8	0.028	0.000	8
		01	SLIMY SCULPIN	ADULT	4	10.38	0.15	4	0.028	0.000	4
	131082	01	DOLLY VARDEN	JUVENILE	23	20.57	4.06	23	0.095	0.042	23
		01	DOLLY VARDEN	ADULT	8	30.65	1.51	8	0.248	0.029	8
		01	COHO (SILVER) SALMON	PARR	20	13.37	1.38	20	0.034	0.012	20
		01	PYGMY WHITE FISH	ADULT	2	14.15	1.77	2	0.043	0.020	2
		01	RAINBOW TROUT	JUVENILE	7	17.43	3.85	7	0.073	0.046	7
		01	RAINBOW TROUT	ADULT	2	27.70	0.14	2	0.227	0.000	2
		01	ROUND WHITE FISH	JUVENILE	1	15.60	0.00	1	0.057	0.000	1
		01	SLIMY SCULPIN	JUVENILE	1	10.70	0.00	1	0.028	0.000	1
	141082	01	DOLLY VARDEN	JUVENILE	36	22.74	4.43	36	0.115	0.052	34
		01	DOLLY VARDEN	ADULT	6	33.83	5.21	6	0.288	0.038	6
		01	COHO (SILVER) SALMON	PARR	24	13.04	1.49	24	0.032	0.010	24
		01	PYGMY WHITE FISH	JUVENILE	2	9.30	0.00	2	0.028	0.000	2
		01	PYGMY WHITE FISH	ADULT	5	12.44	0.69	5	0.034	0.013	5
		01	RAINBOW TROUT	PARR	1	18.20	0.00	1	0.057	0.000	1
		01	RAINBOW TROUT	JUVENILE	7	21.27	5.16	7	0.117	0.066	7
		01	RAINBOW TROUT	ADULT	1	31.10	0.00	1	0.283	0.000	1
		01	ROUND WHITE FISH	JUVENILE	2	14.85	1.48	2	0.057	0.000	2
	151082	01	DOLLY VARDEN	JUVENILE	1	27.70	0.00	1	0.198	0.000	1
		01	COHO (SILVER) SALMON	PARR	5	12.00	0.93	5	0.028	0.000	5
		01	PYGMY WHITE FISH	JUVENILE	1	11.40	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	ADULT	2	34.35	10.11	2	0.482	0.401	2
		01	ROUND WHITE FISH	JUVENILE	2	14.30	0.00	2	0.028	0.000	2
		01	SLIMY SCULPIN	JUVENILE	1	11.00	0.00	1	0.028	0.000	1
	161082	01	DOLLY VARDEN	JUVENILE	7	23.37	6.34	7	0.130	0.080	7
		01	DOLLY VARDEN	ADULT	16	33.52	3.32	16	0.278	0.054	16
		01	COHO (SILVER) SALMON	PARR	21	13.06	1.32	21	0.032	0.010	21
		01	PYGMY WHITE FISH	PARR	3	12.37	0.86	3	0.028	0.000	3
		01	PYGMY WHITE FISH	JUVENILE	3	11.70	0.56	3	0.028	0.000	3
		01	PYGMY WHITE FISH	ADULT	2	12.55	0.35	2	0.057	0.000	2
		01	RAINBOW TROUT	JUVENILE	6	22.18	3.44	6	0.128	0.039	6
		01	RAINBOW TROUT	ADULT	4	37.38	7.26	4	0.510	0.435	4
		01	ROUND WHITE FISH	JUVENILE	3	15.03	1.40	3	0.057	0.028	3

TABLE 6 . SUMMARY OF RESULTS: FYKE NET SAMPLES
OCTOBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0009	011082	01	DOLLY VARDEN	JUVENILE	26	23.92	3.91	26	0.136	0.055	26
		01	DOLLY VARDEN	ADULT	19	32.89	3.96	19	0.346	0.096	19
		01	COHO (SILVER) SALMON	ADULT	2	64.55	8.84	2	2.877	1.062	2
		01	RAINBOW TROUT	JUVENILE	1	24.30	0.00	1	0.170	0.000	1
		01	RAINBOW TROUT	ADULT	5	40.46	8.77	5	0.726	0.388	5
		01	ROUND WHITE FISH	ADULT	3	30.77	0.40	3	0.283	0.000	3
	021082	01	DOLLY VARDEN	JUVENILE	18	25.24	3.07	18	0.151	0.055	18
		01	DOLLY VARDEN	ADULT	7	35.71	5.49	7	0.413	0.165	7
		01	COHO (SILVER) SALMON	ADULT	1	67.20	0.00	1	3.430	0.000	1
		01	PYGMY WHITE FISH	ADULT	2	16.85	0.35	2	0.057	0.000	2
		01	RAINBOW TROUT	ADULT	3	36.80	6.80	3	0.548	0.312	3
		01	ROUND WHITE FISH	JUVENILE	1	23.30	0.00	1	0.085	0.000	1
	031082	01	ROUND WHITE FISH	ADULT	1	36.10	0.00	1	0.368	0.000	1
		01	DOLLY VARDEN	JUVENILE	4	22.50	1.88	4	0.120	0.014	4
		01	RAINBOW TROUT	ADULT	1	29.70	0.00	1	0.283	0.000	1
	041082	01	ROUND WHITE FISH	ADULT	2	37.90	1.70	2	0.567	0.080	2
		01	DOLLY VARDEN	JUVENILE	1	26.20	0.00	1	0.142	0.000	1
	051082	01	RAINBOW TROUT	ADULT	1	48.10	0.00	1	1.190	0.000	1
		01	DOLLY VARDEN	JUVENILE	8	24.45	2.90	8	0.135	0.042	8
	061082	01	DOLLY VARDEN	ADULT	5	28.76	5.98	5	0.238	0.103	5
		01	PYGMY WHITE FISH	ADULT	5	15.12	0.59	5	0.057	0.000	5
		01	RAINBOW TROUT	JUVENILE	1	19.30	0.00	1	0.085	0.000	1
		01	RAINBOW TROUT	ADULT	2	43.90	0.57	2	0.907	0.040	2
		01	ROUND WHITE FISH	ADULT	1	33.30	0.00	1	0.340	0.000	1
		01	HOOLIGAN (EULACHON)	ADULT	1	21.50	0.00	1	0.057	0.000	1
		01	HOOLIGAN (EULACHON)	ADULT	1	21.50	0.00	1	0.057	0.000	1
	081082	01	DOLLY VARDEN	JUVENILE	3	24.90	3.26	3	0.151	0.043	3
		01	DOLLY VARDEN	ADULT	2	32.20	3.68	2	0.326	0.060	2
		01	PYGMY WHITE FISH	ADULT	3	13.33	0.38	3	0.028	0.000	3
		01	SLIMY SCULPIN	ADULT	1	11.30	0.00	1	0.028	0.000	1
	091082	01	DOLLY VARDEN	JUVENILE	11	25.81	3.38	11	0.149	0.048	11
		01	DOLLY VARDEN	ADULT	3	33.80	2.14	3	0.387	0.082	3
		01	ROUND WHITE FISH	ADULT	2	28.75	3.04	2	0.241	0.060	2
	111082	01	DOLLY VARDEN	JUVENILE	1	23.10	0.00	1	0.113	0.000	1
		01	COHO (SILVER) SALMON	ADULT	1	58.30	0.00	1	1.842	0.000	1
		01	ROUND WHITE FISH	ADULT	1	29.70	0.00	1	0.227	0.000	1
		01	HOOLIGAN (EULACHON)	ADULT	1	21.00	0.00	1	0.085	0.000	1
	111082	01	DOLLY VARDEN	JUVENILE	8	24.03	4.42	8	0.145	0.063	8
		01	DOLLY VARDEN	ADULT	2	30.85	0.07	2	0.255	0.000	2
		01	PYGMY WHITE FISH	ADULT	6	15.17	0.67	6	0.057	0.000	6

TABLE 6 . SUMMARY OF RESULTS: FYKE NET SAMPLES
OCTOBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0009	111082	01	RAINBOW TROUT	JUVENILE	1	17.50	0.00	1	0.057	0.000	1
		01	RAINBOW TROUT	ADULT	2	31.35	7.14	2	0.368	0.281	2
		01	ROUND WHITE FISH	ADULT	3	28.23	3.84	3	0.217	0.091	3
		01	SLIMY SCULPIN	ADULT	1	11.40	0.00	1	0.028	0.000	1
	131082	01	DOLLY VARDEN	JUVENILE	2	26.50	3.96	2	0.156	0.060	2
		01	PYGMY WHITE FISH	ADULT	1	15.70	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	ADULT	4	39.58	6.27	4	0.666	0.274	4
		01	ROUND WHITE FISH	ADULT	1	31.30	0.00	1	0.227	0.000	1
	151082	01	DOLLY VARDEN	JUVENILE	2	25.05	3.46	2	0.128	0.060	2
		01	DOLLY VARDEN	ADULT	2	36.15	6.72	2	0.411	0.180	2
		01	COHO (SILVER) SALMON	PARR	1	14.80	0.00	1	0.057	0.000	1
		01	ROUND WHITE FISH	ADULT	1	31.80	0.00	1	0.255	0.000	1
0011	021082	01	DOLLY VARDEN	JUVENILE	14	23.82	2.45	14	0.128	0.036	14
		01	DOLLY VARDEN	ADULT	1	32.20	0.00	1	0.340	0.000	1
		01	RAINBOW TROUT	JUVENILE	1	21.10	0.00	1	0.113	0.000	1
		01	RAINBOW TROUT	ADULT	1	32.10	0.00	1	0.283	0.000	1
	041082	01	COHO (SILVER) SALMON	PARR	1	13.60	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	ADULT	2	42.00	6.79	2	0.765	0.401	2
		01	ROUND WHITE FISH	JUVENILE	1	10.40	0.00	1	0.057	0.000	1
		01	ROUND WHITE FISH	ADULT	1	24.50	0.00	1	0.113	0.000	1
		01	BERING CISCO	ADULT	1	28.90	0.00	1	0.255	0.000	1
	051082	01	DOLLY VARDEN	JUVENILE	4	24.38	3.55	4	0.135	0.048	4
		01	DOLLY VARDEN	ADULT	3	35.10	7.11	3	0.406	0.262	3
		01	RAINBOW TROUT	ADULT	3	34.60	11.91	3	0.576	0.581	3
		01	ROUND WHITE FISH	ADULT	3	28.20	4.35	3	0.208	0.071	3
	061082	01	DOLLY VARDEN	JUVENILE	7	22.44	3.73	7	0.126	0.043	7
		01	DOLLY VARDEN	ADULT	3	39.50	9.62	3	0.576	0.391	3
		01	RAINBOW TROUT	JUVENILE	1	23.60	0.00	1	0.142	0.000	1
		01	RAINBOW TROUT	ADULT	2	32.40	4.10	2	0.397	0.120	2
		01	BERING CISCO	JUVENILE	1	23.80	0.00	1	0.142	0.000	1
	081082	01	DOLLY VARDEN	JUVENILE	6	26.75	1.94	6	0.170	0.047	6
		01	DOLLY VARDEN	ADULT	1	30.20	0.00	1	0.255	0.000	1
		01	COHO (SILVER) SALMON	PARR	2	17.95	5.16	2	0.057	0.040	2
		01	RAINBOW TROUT	ADULT	1	25.50	0.00	1	0.170	0.000	1
	091082	01	DOLLY VARDEN	JUVENILE	1	24.30	0.00	1	0.142	0.000	1
		01	DOLLY VARDEN	ADULT	2	32.80	2.26	2	0.298	0.060	2
		02	DOLLY VARDEN	JUVENILE	13	23.62	2.74	13	0.129	0.032	13
		02	COHO (SILVER) SALMON	PARR	1	14.40	0.00	1	0.028	0.000	1

TABLE 4 . SUMMARY OF RESULTS: FYKE NET SAMPLES
OCTOBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0011	091082	02	RAINBOW TROUT	JUVENILE	3	23.80	1.93	3	0.142	0.028	3
		02	RAINBOW TROUT	ADULT	2	38.85	9.40	2	0.609	0.461	2
	101082	01	DOLLY VARDEN	JUVENILE	2	20.25	5.44	2	0.085	0.040	2
		01	DOLLY VARDEN	ADULT	2	33.85	6.15	2	0.326	0.140	2
		01	RAINBOW TROUT	JUVENILE	1	22.20	0.00	1	0.113	0.000	1
	121082	01	DOLLY VARDEN	JUVENILE	8	23.79	2.29	8	0.142	0.040	8
		01	DOLLY VARDEN	ADULT	5	35.16	4.47	5	0.380	0.109	5
		01	RAINBOW TROUT	JUVENILE	1	24.70	0.00	1	0.170	0.000	1
		01	BERING CISCO	ADULT	1	28.50	0.00	1	0.283	0.000	1
	131082	01	DOLLY VARDEN	JUVENILE	4	23.10	3.94	4	0.106	0.036	4
		01	DOLLY VARDEN	ADULT	2	35.65	4.31	2	0.326	0.140	2
		01	RAINBOW TROUT	ADULT	1	31.00	0.00	1	0.283	0.000	1
		01	BERING CISCO	ADULT	1	31.20	0.00	1	0.255	0.000	1
	151082	01	DOLLY VARDEN	JUVENILE	21	23.32	3.33	21	0.120	0.038	21
		01	DOLLY VARDEN	ADULT	6	32.78	2.16	6	0.269	0.064	6
		01	RAINBOW TROUT	PARR	1	17.30	0.00	1	0.057	0.000	1
		01	RAINBOW TROUT	JUVENILE	1	22.40	0.00	1	0.113	0.000	1
	171082	01	DOLLY VARDEN	JUVENILE	38	23.40	2.95	38	0.112	0.034	38
		01	DOLLY VARDEN	ADULT	10	32.10	1.79	10	0.252	0.034	10
		01	RAINBOW TROUT	JUVENILE	4	21.95	2.36	4	0.099	0.037	4
		01	RAINBOW TROUT	ADULT	1	27.50	0.00	1	0.198	0.000	1
		01	ROUND WHITE FISH	JUVENILE	1	18.20	0.00	1	0.057	0.000	1
001D	011082	01	DOLLY VARDEN	JUVENILE	4	24.50	6.89	4	0.149	0.096	4
		01	DOLLY VARDEN	ADULT	15	36.61	3.92	15	0.418	0.125	15
		01	COHO (SILVER) SALMON	PARR	1	14.60	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	ADULT	3	34.87	2.72	3	0.435	0.100	3
		01	BERING CISCO	JUVENILE	2	18.65	0.21	2	0.099	0.020	2
	021082	01	DOLLY VARDEN	JUVENILE	1	30.00	0.00	1	0.170	0.000	1
		01	DOLLY VARDEN	ADULT	4	37.03	5.95	4	0.439	0.187	4
		01	COHO (SILVER) SALMON	PARR	3	15.67	2.11	3	0.047	0.033	3
		01	BERING CISCO	JUVENILE	2	22.50	4.38	2	0.128	0.060	2
		01	BERING CISCO	ADULT	1	27.00	0.00	1	0.227	0.000	1
	031082	01	BERING CISCO	JUVENILE	1	18.30	0.00	1	0.085	0.000	1
		01	BERING CISCO	ADULT	1	28.20	0.00	1	0.283	0.000	1
	041082	01	BERING CISCO	JUVENILE	2	19.05	1.63	2	0.085	0.000	2
		01	BERING CISCO	ADULT	2	31.70	1.13	2	0.368	0.040	2

TABLE 6 . SUMMARY OF RESULTS: FYKE NET SAMPLES
OCTOBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
001D	051082	01	DOLLY VARDEN	JUVENILE	3	20.87	0.31	3	0.094	0.016	3
		01	BERING CISCO	JUVENILE	4	18.73	1.05	4	0.092	0.014	4
		01	BERING CISCO	ADULT	1	33.10	0.00	1	0.368	0.000	1
	061082	01	DOLLY VARDEN	JUVENILE	1	14.50	0.00	1	0.057	0.000	1
		01	DOLLY VARDEN	ADULT	9	34.26	3.17	9	0.305	0.072	9
		01	HOOLIGAN (EULACHON)	ADULT	1	22.90	0.00	1	0.085	0.000	1
	081082	01	DOLLY VARDEN	JUVENILE	26	20.77	3.65	26	0.102	0.041	26
		01	DOLLY VARDEN	ADULT	3	36.80	5.34	3	0.359	0.241	3
		01	COHO (SILVER) SALMON	PARR	1	14.00	0.00	1	0.028	0.000	1
		01	RAINBOW TROUT	ADULT	3	32.67	4.03	3	0.397	0.147	3
		01	BERING CISCO	ADULT	2	27.85	2.05	2	0.198	0.040	2
		01	HOOLIGAN (EULACHON)	ADULT	2	23.00	0.42	2	0.099	0.020	2
		01	RAINBOW SMELT	ADULT	1	15.50	0.00	1	0.028	0.000	1
		01	RAINBOW SMELT	ADULT	1	15.50	0.00	1	0.028	0.000	1
	091082	01	DOLLY VARDEN	JUVENILE	20	19.16	2.71	20	0.088	0.027	20
		01	DOLLY VARDEN	ADULT	3	37.27	2.96	3	0.416	0.118	3
		01	COHO (SILVER) SALMON	PARR	4	14.90	1.01	4	0.050	0.014	4
		01	ROUND WHITE FISH	JUVENILE	1	18.30	0.00	1	0.057	0.000	1
		01	BERING CISCO	ADULT	1	29.20	0.00	1	0.255	0.000	1
	101082	01	DOLLY VARDEN	JUVENILE	9	20.44	3.98	9	0.098	0.040	9
		01	DOLLY VARDEN	ADULT	3	37.97	6.18	3	0.451	0.216	3
		01	COHO (SILVER) SALMON	PARR	2	14.25	0.21	2	0.043	0.020	2
		01	BERING CISCO	JUVENILE	4	19.95	0.79	4	0.092	0.014	4
		01	HOOLIGAN (EULACHON)	ADULT	1	22.20	0.00	1	0.113	0.000	1
		01	LONGFIN SMELT	ADULT	1	14.70	0.00	1	0.057	0.000	1
	121082	01	DOLLY VARDEN	JUVENILE	49	21.07	3.49	49	0.105	0.038	49
		01	DOLLY VARDEN	ADULT	9	33.02	3.52	9	0.321	0.116	9
		01	COHO (SILVER) SALMON	PARR	10	13.74	0.88	10	0.040	0.015	10
		01	RAINBOW TROUT	JUVENILE	2	20.00	3.68	2	0.085	0.040	2
		01	BERING CISCO	JUVENILE	4	19.70	1.63	4	0.078	0.027	4
		01	HOOLIGAN (EULACHON)	ADULT	4	21.08	1.36	4	0.078	0.027	4
		01	LONGFIN SMELT	ADULT	3	14.37	0.32	3	0.057	0.000	3
	131082	01	DOLLY VARDEN	JUVENILE	2	23.25	3.04	2	0.128	0.020	2
		01	COHO (SILVER) SALMON	ADULT	2	15.40	0.57	2	0.057	0.000	2
		01	RAINBOW TROUT	ADULT	1	35.50	0.00	1	0.482	0.000	1
		01	BERING CISCO	JUVENILE	1	18.00	0.00	1	0.085	0.000	1
		01	HOOLIGAN (EULACHON)	ADULT	2	21.30	1.13	2	0.071	0.020	2
		01	LONGFIN SMELT	ADULT	10	13.77	0.82	10	0.028	0.000	10
	151082	01	DOLLY VARDEN	JUVENILE	36	21.11	3.64	36	0.076	0.034	36
		01	DOLLY VARDEN	ADULT	13	35.45	4.84	13	0.338	0.101	13
		01	COHO (SILVER) SALMON	PARR	8	13.20	1.13	8	0.032	0.010	8

TABLE 6 . SUMMARY OF RESULTS: FYKE NET SAMPLES
OCTOBER, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
001D	151082	01	BERING CISCO	ADULT	1	26.60	0.00	1	0.198	0.000	1
		01	HOOLIGAN (EULACHON)	ADULT	1	21.90	0.00	1	0.085	0.000	1
		01	LONGFIN SMELT	ADULT	8	14.34	1.01	8	0.046	0.030	8
	161082	01	DOLLY VARDEN	JUVENILE	10	20.68	2.95	10	0.091	0.029	10
		01	DOLLY VARDEN	ADULT	3	32.93	3.48	3	0.312	0.075	3
		01	RAINBOW TROUT	JUVENILE	1	22.70	0.00	1	0.113	0.000	1
		01	BERING CISCO	JUVENILE	4	17.27	2.53	4	0.057	0.023	4
		01	LONGFIN SMELT	ADULT	2	13.70	0.42	2	0.028	0.000	2

TABLE 07 . SUMMARY OF RESULTS: ELECTROSHOCK/DIP NET SAMPLES
AUGUST, 1982

PAGE 1

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0003	230882	01	PYGMY WHITE FISH	ADULT	1	8.90	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	ADULT	1	33.70	0.00	1	0.397	0.000	1
		03	COHO (SILVER) SALMON	JUVENILE	1	4.80	0.00	1	0.000	0.000	0
		03	SLIMY SCULPIN	ADULT	1	5.90	0.00	1	0.000	0.000	0
		04	COHO (SILVER) SALMON	JUVENILE	1	5.90	0.00	1	0.000	0.000	0
		05	DOLLY VARDEN		1	0.00	0.00	0	0.000	0.000	0
0004	260882	01	COHO (SILVER) SALMON	PARR	1	9.10	0.00	1	0.000	0.000	0
		01	THREE-SPINE STICKLEBACK	JUVENILE	4	3.53	2.47	4	0.000	0.000	0
0005	260882	01	DOLLY VARDEN	JUVENILE	4	4.93	1.93	4	0.000	0.000	0
		01	COHO (SILVER) SALMON	PARR	1	5.00	0.00	1	0.000	0.000	0
		01	COHO (SILVER) SALMON	JUVENILE	2	4.90	0.57	2	0.000	0.000	0
		01	PYGMY WHITE FISH	JUVENILE	1	4.20	0.00	1	0.000	0.000	0
		01	PYGMY WHITE FISH	ADULT	1	9.80	0.00	1	0.000	0.000	0
		01	RAINBOW TROUT	ADULT	1	25.80	0.00	1	0.227	0.000	1
		01	SLIMY SCULPIN	ADULT	6	5.82	1.73	6	0.000	0.000	0
0008	150882	01	SLIMY SCULPIN	JUVENILE	1	4.90	0.00	1	0.000	0.000	0
		02	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		03	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		04	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		05	DOLLY VARDEN	PARR	1	0.00	0.00	0	0.000	0.000	0
		05	SLIMY SCULPIN	JUVENILE	1	3.60	0.00	1	0.000	0.000	0
		06	SLIMY SCULPIN		1	0.00	0.00	0	0.000	0.000	0
		07	SLIMY SCULPIN		2	4.10	0.99	2	0.000	0.000	0
		08	DOLLY VARDEN	PARR	1	7.10	0.00	1	0.000	0.000	0
		09	NO FISH		1	0.00	0.00	0	0.000	0.000	0
0010	150882	01	DOLLY VARDEN	PARR	1	8.00	0.00	1	0.000	0.000	0
		01	PYGMY WHITE FISH	PARR	6	8.47	0.50	6	0.000	0.000	0
		01	ROUND WHITE FISH		1	0.00	0.00	0	0.000	0.000	0
		03	DOLLY VARDEN	PARR	1	9.00	0.00	1	0.000	0.000	0
		04	NO FISH		1	0.00	0.00	0	0.000	0.000	0
0011	110882	01	SOCKEYE (RED) SALMON	PARR	2	5.25	1.20	2	0.000	0.000	0
		01	CHINOOK (KING) SALMON	PARR	1	6.00	0.00	1	0.000	0.000	0
		02	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		03	DOLLY VARDEN	JUVENILE	1	14.10	0.00	1	0.000	0.000	0
		03	SOCKEYE (RED) SALMON	PARR	2	3.90	0.28	2	0.000	0.000	0
		04	DOLLY VARDEN	JUVENILE	1	14.10	0.00	1	0.000	0.000	0
		05	DOLLY VARDEN	PARR	2	10.00	1.70	2	0.000	0.000	0
		05	CHINOOK (KING) SALMON	PARR	1	3.70	0.00	1	0.000	0.000	0

TABLE 07 . SUMMARY OF RESULTS: ELECTROSHOCK/DIP NET SAMPLES
AUGUST, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0011	110882	06	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		07	DOLLY VARDEN	PARR	1	11.70	0.00	1	0.000	0.000	0
		08	NO FISH		1	0.00	0.00	0	0.000	0.000	0
	120882	01	DOLLY VARDEN	PARR	1	12.40	0.00	1	0.000	0.000	0
		01	COHO (SILVER) SALMON	PARR	2	10.05	0.07	2	0.000	0.000	0
		01	THREE-SPINE STICKLEBACK	ADULT	3	7.90	0.46	3	0.000	0.000	0
0012	170882	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	SOCKEYE (RED) SALMON	PARR	1	6.00	0.00	1	0.000	0.000	0
		03	DOLLY VARDEN	PARR	2	5.90	0.14	2	0.000	0.000	0
		04	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		05	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		06	SOCKEYE (RED) SALMON	PARR	2	6.75	0.21	2	0.000	0.000	0
		07	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		08	NO FISH		1	0.00	0.00	0	0.000	0.000	0
0013	160882	01	DOLLY VARDEN	PARR	3	5.53	2.49	3	0.000	0.000	0
		02	DOLLY VARDEN	PARR	16	6.38	0.80	16	0.000	0.000	0
		02	COHO (SILVER) SALMON	PARR	13	5.10	0.79	13	0.000	0.000	0
		02	RAINBOW TROUT	PARR	2	6.35	0.07	2	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	2	7.00	0.57	2	0.000	0.000	0
		03	DOLLY VARDEN	PARR	6	7.48	1.37	6	0.000	0.000	0
0015	160882	01	PINK SALMON	ADULT	1	49.50	0.00	1	0.964	0.000	1
0016	140882	01	DOLLY VARDEN	PARR	4	8.85	3.11	4	0.000	0.000	0
		02	DOLLY VARDEN	PARR	1	5.20	0.00	1	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	2	8.35	0.64	2	0.000	0.000	0
		03	DOLLY VARDEN	PARR	1	8.40	0.00	1	0.000	0.000	0
		03	SLIMY SCULPIN	JUVENILE	3	7.33	0.67	3	0.000	0.000	0
		05	DOLLY VARDEN	PARR	1	9.70	0.00	1	0.000	0.000	0
0017	220882	06	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		01	DOLLY VARDEN	ADULT	1	0.00	0.00	0	0.000	0.000	0
		01	SLIMY SCULPIN	ADULT	4	5.05	0.45	4	0.000	0.000	0
		02	DOLLY VARDEN	ADULT	1	0.00	0.00	0	0.000	0.000	0
		02	SOCKEYE (RED) SALMON	ADULT	2	0.00	0.00	0	0.000	0.000	0
		03	SOCKEYE (RED) SALMON	JUVENILE	2	5.20	1.84	2	0.000	0.000	0
		04	DOLLY VARDEN	JUVENILE	2	11.55	1.77	2	0.000	0.000	0
		05	SOCKEYE (RED) SALMON		3	0.00	0.00	0	0.000	0.000	0
		05	SOCKEYE (RED) SALMON	ADULT	1	67.00	0.00	1	3.288	0.000	1

TABLE 07 . SUMMARY OF RESULTS: ELECTROSHOCK/DIP NET SAMPLES
AUGUST, 1982

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STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0018	220882	01	DOLLY VARDEN	ADULT	2	33.00	6.36	2	0.397	0.241	2
		01	PINK SALMON	ADULT	1	46.50	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	JUVENILE	3	5.43	0.71	3	0.000	0.000	0
		02	DOLLY VARDEN	ADULT	2	22.20	14.14	2	0.340	0.000	1
		02	SLIMY SCULPIN	ADULT	1	6.10	0.00	1	0.000	0.000	0
		03	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		04	DOLLY VARDEN	JUVENILE	3	7.77	1.93	3	0.000	0.000	0
		04	SLIMY SCULPIN	ADULT	1	7.60	0.00	1	0.000	0.000	0
		05	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		06	DOLLY VARDEN	JUVENILE	8	8.25	1.46	8	0.000	0.000	0
		06	COHO (SILVER) SALMON	JUVENILE	3	7.27	1.46	3	0.000	0.000	0
		06	PYGMY WHITE FISH	ADULT	3	13.43	1.19	3	0.000	0.000	0
		06	CHINOOK (KING) SALMON	JUVENILE	3	5.77	0.65	3	0.000	0.000	0
		07	CHINOOK (KING) SALMON	JUVENILE	1	5.70	0.00	1	0.000	0.000	0
		08	DOLLY VARDEN	JUVENILE	2	9.50	0.00	1	0.000	0.000	0
		09	DOLLY VARDEN		1	0.00	0.00	0	0.000	0.000	0
0019	090882	01	COHO (SILVER) SALMON	PARR	1	6.20	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	PARR	2	6.15	0.49	2	0.000	0.000	0
		02	COHO (SILVER) SALMON	PARR	8	4.23	0.66	8	0.000	0.000	0
		02	CHINOOK (KING) SALMON	PARR	4	4.42	0.66	4	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	1	10.00	0.00	1	0.000	0.000	0
	110882	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	DOLLY VARDEN	PARR	4	5.15	2.04	4	0.000	0.000	0
		02	COHO (SILVER) SALMON	PARR	10	4.27	0.54	10	0.000	0.000	0
		02	CHINOOK (KING) SALMON	PARR	5	5.32	0.66	5	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	1	6.40	0.00	1	0.000	0.000	0
		03	COHO (SILVER) SALMON	PARR	4	4.37	0.29	4	0.000	0.000	0
		03	CHINOOK (KING) SALMON	PARR	5	4.70	0.73	5	0.000	0.000	0
		03	SLIMY SCULPIN	ADULT	1	9.30	0.00	1	0.000	0.000	0
	240882	01	PINK SALMON	ADULT	19	49.26	3.42	19	0.792	0.221	18
001D	260882	01	DOLLY VARDEN	PARR	1	8.90	0.00	1	0.000	0.000	0
		01	SOCKEYE (RED) SALMON	PARR	1	5.60	0.00	1	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	1	4.60	0.00	1	0.000	0.000	0
		02	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		03	DOLLY VARDEN	JUVENILE	2	12.35	1.63	2	0.000	0.000	0
		03	PYGMY WHITE FISH	JUVENILE	2	4.30	0.28	2	0.000	0.000	0
		03	SOCKEYE (RED) SALMON	JUVENILE	1	6.90	0.00	1	0.000	0.000	0
		03	SLIMY SCULPIN	ADULT	2	7.30	1.98	2	0.000	0.000	0
0020	220882	01	DOLLY VARDEN	JUVENILE	2	8.30	3.82	2	0.000	0.000	0
		01	PYGMY WHITE FISH	ADULT	1	12.40	0.00	1	0.000	0.000	0

TABLE 07 . SUMMARY OF RESULTS: ELECTROSHOCK/DIP NET SAMPLES
AUGUST, 1982

PAGE 4

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0020	220882	01	SOCKEYE (RED) SALMON	JUVENILE	5	4.78	1.50	5	0.000	0.000	0
		01	SOCKEYE (RED) SALMON	ADULT	1	8.00	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	JUVENILE	4	5.15	0.62	4	0.000	0.000	0
		02	DOLLY VARDEN	ADULT	1	12.00	0.00	1	0.000	0.000	0
		02	COHO (SILVER) SALMON	JUVENILE	1	4.70	0.00	1	0.000	0.000	0
		02	SOCKEYE (RED) SALMON	JUVENILE	6	4.88	1.43	6	0.000	0.000	0
		02	ROUND WHITE FISH	ADULT	1	21.00	0.00	1	0.000	0.000	0
		03	DOLLY VARDEN	ADULT	4	44.28	4.05	4	0.942	0.294	4
		04	DOLLY VARDEN	JUVENILE	2	5.15	1.34	2	0.000	0.000	0
		04	PYGMY WHITE FISH	ADULT	3	14.20	1.25	3	0.000	0.000	0
		04	SOCKEYE (RED) SALMON	JUVENILE	1	4.50	0.00	1	0.000	0.000	0
		04	SLIMY SCULPIN	ADULT	1	4.70	0.00	1	0.000	0.000	0
0023	140882	01	DOLLY VARDEN	ADULT	5	41.78	0.68	5	0.816	0.086	5
		01	SOCKEYE (RED) SALMON	ADULT	7	61.14	8.10	7	2.170	0.795	7
		01	ROUND WHITE FISH	ADULT	1	30.00	0.00	1	0.227	0.000	1
		01	PINK SALMON	ADULT	1	0.00	0.00	0	0.000	0.000	0
0027	200882	01	SOCKEYE (RED) SALMON	FARR	2	5.60	1.98	2	0.000	0.000	0
		01	ROUND WHITE FISH	FARR	4	7.30	0.50	4	0.000	0.000	0
		02	SOCKEYE (RED) SALMON	FARR	1	4.00	0.00	1	0.000	0.000	0
		03	LAKE TROUT		1	0.00	0.00	0	0.000	0.000	0
		03	ROUND WHITE FISH		1	0.00	0.00	0	0.000	0.000	0
		04	ROUND WHITE FISH	ADULT	1	36.00	0.00	1	0.000	0.000	0
006A	090882	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		02	DOLLY VARDEN		1	0.00	0.00	0	0.000	0.000	0
		03	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		04	DOLLY VARDEN		1	0.00	0.00	0	0.000	0.000	0
016A	150882	01	DOLLY VARDEN	FARR	2	6.85	4.03	2	0.000	0.000	0
		01	COHO (SILVER) SALMON	FARR	1	9.60	0.00	1	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	1	6.30	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	FARR	3	4.97	0.32	3	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	2	5.65	0.49	2	0.000	0.000	0
		03	DOLLY VARDEN	FARR	15	5.04	1.54	15	0.000	0.000	0
		03	COHO (SILVER) SALMON	FARR	1	3.70	0.00	1	0.000	0.000	0
		03	SLIMY SCULPIN	JUVENILE	2	6.60	3.25	2	0.000	0.000	0
		04	DOLLY VARDEN		3	0.00	0.00	0	0.000	0.000	0
		04	DOLLY VARDEN	FARR	2	7.20	2.83	2	0.000	0.000	0
		04	COHO (SILVER) SALMON	FARR	6	5.05	1.06	6	0.000	0.000	0
		04	SLIMY SCULPIN	JUVENILE	3	7.00	0.00	1	0.000	0.000	0

TABLE 07 . SUMMARY OF RESULTS: ELECTROSHOCK/DIP NET SAMPLES
AUGUST, 1982

PAGE 5

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
019A	110882	01	COHO (SILVER) SALMON	PARR	2	4.95	0.21	2	0.000	0.000	0
		01	COHO (SILVER) SALMON	ADULT	1	25.20	0.00	1	0.198	0.000	1
		02	DOLLY VARDEN	PARR	1	10.00	0.00	1	0.000	0.000	0
		02	COHO (SILVER) SALMON	PARR	2	5.75	2.05	2	0.000	0.000	0
		02	RAINBOW TROUT	ADULT	1	25.20	0.00	1	0.198	0.000	1

TABLE 07 . SUMMARY OF RESULTS: ELECTROSHOCK/DIP NET SAMPLES.
AUGUST, 1982

PAGE 5

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
019A	110882	01	COHO (SILVER) SALMON	PARR	2	4.95	0.21	2	0.000	0.000	0
		01	COHO (SILVER) SALMON	ADULT	1	25.20	0.00	1	0.198	0.000	1
		02	DOLLY VARDEN	PARR	1	10.00	0.00	1	0.000	0.000	0
		02	COHO (SILVER) SALMON	PARR	2	5.75	2.05	2	0.000	0.000	0
		02	RAINBOW TROUT	ADULT	1	25.20	0.00	1	0.198	0.000	1

TABLE 08 . SUMMARY OF RESULTS: ELECTROSHOCK/DIP NET SAMPLES
SEPTEMBER, 1982

PAGE 1

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0013	120982	01	DOLLY VARDEN	PARR	8	8.06	1.62	8	0.003	0.002	7
		01	PYGMY WHITE FISH	ADULT	2	12.75	1.06	2	0.014	0.003	2
		02	DOLLY VARDEN	PARR	14	6.34	0.92	14	0.002	0.001	13
0015	120982	01	DOLLY VARDEN	PARR	5	4.05	0.60	4	0.001	0.000	3
		02	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		03	DOLLY VARDEN	PARR	4	4.67	1.13	4	0.001	0.000	4
		04	DOLLY VARDEN	PARR	2	4.20	0.00	1	0.001	0.000	1
		05	DOLLY VARDEN	PARR	1	4.60	0.00	1	0.001	0.000	1
0016	210982	01	DOLLY VARDEN	PARR	4	5.95	0.75	4	0.000	0.000	0
		01	DOLLY VARDEN	JUVENILE	1	14.30	0.00	1	0.000	0.000	0
		01	SOCKEYE (RED) SALMON	PARR	1	6.70	0.00	1	0.000	0.000	0
		01	ROUND WHITE FISH	ADULT	1	0.00	0.00	0	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	8	6.80	0.69	8	0.000	0.000	0
006A	230982	01	DOLLY VARDEN	PARR	4	7.30	2.07	4	0.004	0.003	4
		01	COHO (SILVER) SALMON	PARR	1	13.40	0.00	1	0.022	0.000	1
		01	PYGMY WHITE FISH	ADULT	1	13.00	0.00	1	0.016	0.000	1
		01	SLIMY SCULPIN	JUVENILE	1	6.50	0.00	1	0.002	0.000	1
		01	SLIMY SCULPIN	ADULT	1	9.70	0.00	1	0.010	0.000	1

TABLE 09 . SUMMARY OF RESULTS: ELECTROSHOCK/DIP NET SAMPLES
OCTOBER, 1982

PAGE 1

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0002	151082	01	DOLLY VARDEN	JUVENILE	1	17.60	0.00	1	0.000	0.000	0
		01	DOLLY VARDEN	ADULT	1	0.00	0.00	0	0.000	0.000	0
		01	COHO (SILVER) SALMON	PARR	18	5.67	0.97	18	0.000	0.000	0
		01	COHO (SILVER) SALMON	ADULT	1	0.00	0.00	0	0.000	0.000	0
		01	SOCKEYE (RED) SALMON	PARR	1	6.20	0.00	1	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	4	4.65	0.62	4	0.000	0.000	0
		01	NINE-SPINE STICKLEBACK	JUVENILE	1	5.60	0.00	1	0.000	0.000	0
0021	181082	01	DOLLY VARDEN	PARR	1	6.60	0.00	1	0.000	0.000	0
		01	DOLLY VARDEN	ADULT	6	37.60	4.68	6	0.000	0.000	0
		01	PYGMY WHITE FISH	JUVENILE	1	7.50	0.00	1	0.000	0.000	0
		01	RAINBOW TROUT	ADULT	1	26.40	0.00	1	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	1	4.30	0.00	1	0.000	0.000	0
0023	181082	01	NO FISH		1	0.00	0.00	0	0.000	0.000	0
		01	DOLLY VARDEN	PARR	7	6.33	0.60	7	0.000	0.000	0
		01	DOLLY VARDEN	JUVENILE	6	11.43	1.42	6	0.000	0.000	0
		01	PYGMY WHITE FISH	JUVENILE	2	10.30	0.57	2	0.000	0.000	0
		01	ROUND WHITE FISH	ADULT	1	32.20	0.00	1	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	1	3.70	0.00	1	0.000	0.000	0
		02	ROUND WHITE FISH	ADULT	3	28.47	3.23	3	0.000	0.000	0
0024	181082	01	DOLLY VARDEN	PARR	22	8.73	3.28	22	0.000	0.000	0
		01	SOCKEYE (RED) SALMON	PARR	4	7.03	1.40	4	0.000	0.000	0
		01	ROUND WHITE FISH	JUVENILE	1	16.30	0.00	1	0.000	0.000	0
		01	LAKE TROUT	PARR	3	10.33	1.67	3	0.000	0.000	0
		02	DOLLY VARDEN	PARR	11	12.25	3.83	11	0.000	0.000	0
		02	DOLLY VARDEN	JUVENILE	1	14.80	0.00	1	0.000	0.000	0
		02	SOCKEYE (RED) SALMON	PARR	2	6.30	1.56	2	0.000	0.000	0
		02	LAKE TROUT	PARR	3	10.20	1.32	3	0.000	0.000	0
		03	DOLLY VARDEN	PARR	1	15.20	0.00	1	0.000	0.000	0
		03	DOLLY VARDEN	JUVENILE	2	13.55	0.64	2	0.000	0.000	0
		03	SOCKEYE (RED) SALMON	PARR	1	4.50	0.00	1	0.000	0.000	0
		03	LAKE TROUT	PARR	1	5.80	0.00	1	0.000	0.000	0

TABLE 10 . SUMMARY OF RESULTS: ELECTROSHOCK/SEINE SAMPLES
AUGUST, 1982

PAGE 1

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0010	150882	02	DOLLY VARDEN	PARR	4	7.50	1.67	4	0.000	0.000	0
0015	160882	01	DOLLY VARDEN	PARR	7	4.64	1.24	7	0.000	0.000	0
		02	DOLLY VARDEN	PARR	1	7.00	0.00	1	0.000	0.000	0
		02	PINK SALMON	ADULT	1	46.00	0.00	1	0.850	0.000	1
		03	SOCKEYE (RED) SALMON	ADULT	3	61.17	6.75	3	2.230	0.964	3
		03	PINK SALMON	ADULT	1	44.50	0.00	1	0.794	0.000	1
		04	DOLLY VARDEN	PARR	1	7.00	0.00	1	0.000	0.000	0
0019	090882	01	PINK SALMON	ADULT	10	44.75	2.50	4	1.049	0.210	4
		02	CHINOOK (KING) SALMON	ADULT	2	110.00	0.00	1	5.471	0.000	1
	110882	01	DOLLY VARDEN	PARR	9	5.13	2.32	9	0.000	0.000	0
		01	COHO (SILVER) SALMON	PARR	6	4.67	1.01	6	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	1	3.70	0.00	1	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	1	7.20	0.00	1	0.000	0.000	0
		03	SLIMY SCULPIN	ADULT	1	9.50	0.00	1	0.028	0.000	1
		03	PINK SALMON	ADULT	2	48.70	0.00	1	0.907	0.000	1
		04	DOLLY VARDEN	PARR	1	9.70	0.00	1	0.000	0.000	0
		04	CHINOOK (KING) SALMON	PARR	1	6.00	0.00	1	0.000	0.000	0
	090882	05	NO FISH		1	0.00	0.00	0	0.000	0.000	0

TABLE 11 . SUMMARY OF RESULTS: ELECTROSHOCK/SEINE SAMPLES
SEPTEMBER, 1982

PAGE 1

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
016A	210982	01	DOLLY VARDEN	PARR	5	7.96	2.69	5	0.000	0.000	0
		01	DOLLY VARDEN	JUVENILE	1	24.40	0.00	1	0.142	0.000	1
		01	COHO (SILVER) SALMON	PARR	1	5.60	0.00	1	0.000	0.000	0
		01	SOCKEYE (RED) SALMON	PARR	1	5.40	0.00	1	0.000	0.000	0
		01	ROUND WHITE FISH	ADULT	3	32.87	8.43	3	0.350	0.211	3
		01	SLIMY SCULPIN	JUVENILE	62	5.69	0.70	62	0.000	0.000	0
		01	SLIMY SCULPIN	ADULT	24	7.68	0.69	24	0.000	0.000	0

TABLE 12 . SUMMARY OF RESULTS: ELECTROSHOCK/SEINE SAMPLES
OCTOBER, 1982

PAGE 1

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0005	151082	01	DOLLY VARDEN	JUVENILE	1	13.70	0.00	1	0.000	0.000	0
12.1	061082	01	DOLLY VARDEN	ADULT	132	40.00	3.69	130	0.686	0.293	130
		01	COHO (SILVER) SALMON	PARR	1	10.30	0.00	1	0.028	0.000	1
0023	181082	03	DOLLY VARDEN	PARR	1	7.30	0.00	1	0.000	0.000	0
		03	DOLLY VARDEN	ADULT	1	32.20	0.00	1	0.000	0.000	0
0024	181082	01	DOLLY VARDEN	PARR	8	9.30	0.81	8	0.000	0.000	0
		01	SLIMY SCULPIN	ADULT	1	8.80	0.00	1	0.000	0.000	0

TABLE 13 . SUMMARY OF RESULTS: OTHER SEINE SAMPLES
AUGUST, 1982

PAGE 1

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0001	260882	01	THREE-SPINE STICKLEBACK	JUVENILE	38	2.39	0.18	9	0.000	0.000	0
017L	210882	04	SOCKEYE (RED) SALMON	PARR	9	3.49	0.31	9	0.000	0.000	0
		08	SOCKEYE (RED) SALMON	PARR	10	4.13	0.36	10	0.000	0.000	0
		09	COHO (SILVER) SALMON	PARR	4	3.70	0.58	4	0.000	0.000	0

TABLE 14 . SUMMARY OF RESULTS: OTHER SEINE SAMPLES
SEPTEMBER, 1982

PAGE 1

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0017	110982	01	DOLLY VARDEN	PARR	6	13.48	1.61	6	0.038	0.015	6
		01	DOLLY VARDEN	ADULT	1	30.60	0.00	1	0.312	0.000	1
		01	SOCKEYE (RED) SALMON	ADULT	25	56.29	7.26	25	1.971	0.773	25
		01	RAINBOW TROUT	JUVENILE	1	23.80	0.00	1	0.142	0.000	1
		01	CHUM SALMON	ADULT	2	69.00	0.28	2	3.529	0.180	2
	120982	01	SOCKEYE (RED) SALMON	ADULT	10	59.36	7.46	10	2.299	0.890	10
		01	CHUM SALMON	ADULT	5	69.34	2.82	5	3.464	0.477	5
	210982	01	DOLLY VARDEN	PARR	29	9.03	2.15	29	0.000	0.000	0
		01	COHO (SILVER) SALMON	PARR	1	6.90	0.00	1	0.000	0.000	0
		01	PYGMY WHITE FISH	ADULT	1	10.10	0.00	1	0.000	0.000	0
		01	SOCKEYE (RED) SALMON	PARR	8	5.76	0.89	8	0.000	0.000	0
		01	SLIMY SCULPIN	ADULT	1	8.10	0.00	1	0.000	0.000	0
		02	DOLLY VARDEN	PARR	12	10.08	2.12	12	0.000	0.000	0
		02	DOLLY VARDEN	JUVENILE	1	17.40	0.00	1	0.000	0.000	0
		02	COHO (SILVER) SALMON	PARR	1	7.90	0.00	1	0.000	0.000	0
		02	SOCKEYE (RED) SALMON	PARR	1	7.10	0.00	1	0.000	0.000	0
		03	DOLLY VARDEN	PARR	4	6.43	0.72	4	0.000	0.000	0
		03	SOCKEYE (RED) SALMON	PARR	2	5.15	0.35	2	0.000	0.000	0
		04	DOLLY VARDEN	PARR	5	7.42	2.38	5	0.000	0.000	0
		04	COHO (SILVER) SALMON	PARR	1	6.60	0.00	1	0.000	0.000	0
		04	PYGMY WHITE FISH	PARR	1	5.50	0.00	1	0.000	0.000	0
		04	CHINOOK (KING) SALMON	PARR	1	7.00	0.00	1	0.000	0.000	0

TABLE 15 . SUMMARY OF RESULTS: OTHER SEINE SAMPLES
OCTOBER, 1982

PAGE 1

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0004	101082	01	COHO (SILVER) SALMON	PARR	1	12.60	0.00	1	0.028	0.000	1
		01	PYGMY WHITE FISH	JUVENILE	8	8.99	0.34	8	0.000	0.000	0
		01	PYGMY WHITE FISH	ADULT	10	11.99	1.36	10	0.032	0.011	7
		01	SOCKEYE (RED) SALMON	PARR	2	6.80	1.84	2	0.028	0.000	1
		01	RAINBOW TROUT	JUVENILE	2	22.25	4.74	2	0.128	0.060	2
		01	ROUND WHITE FISH	PARR	3	8.30	0.69	3	0.028	0.000	1
		01	ROUND WHITE FISH	JUVENILE	2	8.60	0.28	2	0.000	0.000	0
	121082	01	PYGMY WHITE FISH	PARR	2	4.95	0.35	2	0.000	0.000	0
		01	PYGMY WHITE FISH	JUVENILE	10	9.41	0.54	10	0.000	0.000	0
		01	SOCKEYE (RED) SALMON	PARR	7	6.97	1.70	7	0.000	0.000	0
		01	ROUND WHITE FISH	PARR	3	7.83	2.12	3	0.000	0.000	0
		01	ROUND WHITE FISH	ADULT	2	8.35	0.07	2	0.000	0.000	0
	151082	01	DOLLY VARDEN	JUVENILE	1	15.50	0.00	1	0.000	0.000	0
		01	PYGMY WHITE FISH	JUVENILE	9	9.40	0.38	9	0.000	0.000	0
		01	SOCKEYE (RED) SALMON	PARR	2	7.95	1.63	2	0.000	0.000	0
		01	ROUND WHITE FISH	PARR	4	8.82	0.94	4	0.000	0.000	0
		01	ROUND WHITE FISH	JUVENILE	1	9.70	0.00	1	0.000	0.000	0
0006	101082	01	COHO (SILVER) SALMON	PARR	1	13.60	0.00	1	0.000	0.000	0
		01	ROUND WHITE FISH	JUVENILE	2	8.95	1.34	2	0.000	0.000	0
	151082	01	PYGMY WHITE FISH	PARR	3	4.50	0.30	3	0.028	0.000	3
		01	PYGMY WHITE FISH	JUVENILE	10	10.05	1.15	10	0.028	0.000	10
		01	PYGMY WHITE FISH	ADULT	2	12.70	0.28	2	0.028	0.000	2
		01	SOCKEYE (RED) SALMON	PARR	1	4.20	0.00	1	0.028	0.000	1
		01	ROUND WHITE FISH	JUVENILE	1	24.40	0.00	1	0.085	0.000	1
0011	131082	01	SOCKEYE (RED) SALMON	PARR	4	7.08	0.95	4	0.000	0.000	0
0017	051082	01	COHO (SILVER) SALMON	ADULT	19	66.28	5.54	19	3.011	0.735	19
	151082	01	COHO (SILVER) SALMON	ADULT	8	60.84	6.24	8	1.619	0.760	8
0018	171082	01	PYGMY WHITE FISH	ADULT	5	12.18	0.36	5	0.000	0.000	0
0020	171082	01	PYGMY WHITE FISH	JUVENILE	14	6.07	0.61	14	0.000	0.000	0
		01	PYGMY WHITE FISH	ADULT	3	11.23	0.60	3	0.000	0.000	0
		01	SOCKEYE (RED) SALMON	PARR	5	5.32	0.79	5	0.000	0.000	0
		01	ROUND WHITE FISH	PARR	1	6.80	0.00	1	0.000	0.000	0
		01	ROUND WHITE FISH	JUVENILE	2	5.65	0.49	2	0.000	0.000	0

TABLE 15 . SUMMARY OF RESULTS: OTHER SEINE SAMPLES
OCTOBER, 1982

PAGE 2

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0020	171082	01	ROUND WHITE FISH	ADULT	1	30.20	0.00	1	0.227	0.000	1
		01	SLIMY SCULPIN	JUVENILE	1	2.80	0.00	1	0.000	0.000	0
017R	171082	01	PYGMY WHITE FISH	ADULT	1	11.70	0.00	1	0.000	0.000	0

TABLE 16 . SUMMARY OF RESULTS: BEACH SEINE SAMPLES
AUGUST, 1982

PAGE 1

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0027	180882	01	SOCKEYE (RED) SALMON	PARR	2	7.05	0.21	2	0.000	0.000	0
		01	ROUND WHITE FISH	PARR	2	7.95	0.64	2	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	1	4.60	0.00	1	0.000	0.000	0
		02	SOCKEYE (RED) SALMON	PARR	16	5.76	1.39	16	0.000	0.000	0
		02	ROUND WHITE FISH	PARR	6	9.53	3.72	6	0.000	0.000	0
		02	ROUND WHITE FISH	JUVENILE	1	15.50	0.00	1	0.000	0.000	0
		02	SLIMY SCULPIN	JUVENILE	1	4.30	0.00	1	0.000	0.000	0
		03	SOCKEYE (RED) SALMON	PARR	15	6.07	1.51	15	0.000	0.000	0
		03	ROUND WHITE FISH	JUVENILE	2	12.65	0.78	2	0.000	0.000	0
		03	SLIMY SCULPIN	JUVENILE	2	3.80	0.71	2	0.000	0.000	0
		03	LAKE TROUT	PARR	1	11.90	0.00	1	0.000	0.000	0

TABLE 17 . SUMMARY OF RESULTS: BEACH SEINE SAMPLES
SEPTEMBER, 1982

PAGE 1

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0003	220982	01	COHO (SILVER) SALMON	PARR	1	6.20	0.00	1	0.000	0.000	0
		01	PYGMY WHITE FISH	FRY	1	3.60	0.00	1	0.000	0.000	0
		01	PYGMY WHITE FISH	PARR	1	4.70	0.00	1	0.000	0.000	0
		01	ROUND WHITE FISH	PARR	1	4.90	0.00	1	0.000	0.000	0
		01	ROUND WHITE FISH	JUVENILE	3	12.43	1.96	3	0.000	0.000	0
		01	ROUND WHITE FISH	ADULT	1	13.10	0.00	1	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	1	5.60	0.00	1	0.000	0.000	0
	230982	01	DOLLY VARDEN	PARR	1	4.40	0.00	1	0.000	0.000	0
		01	DOLLY VARDEN	JUVENILE	1	25.90	0.00	1	0.000	0.000	0
		01	PYGMY WHITE FISH	PARR	1	4.50	0.00	1	0.000	0.000	0
		01	PYGMY WHITE FISH	JUVENILE	3	10.57	1.23	3	0.000	0.000	0
		01	RAINBOW TROUT	PARR	1	5.20	0.00	1	0.000	0.000	0
		01	ROUND WHITE FISH	JUVENILE	1	16.20	0.00	1	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	3	6.53	1.72	3	0.000	0.000	0
		01	SLIMY SCULPIN	ADULT	1	11.50	0.00	1	0.000	0.000	0
0004	240982	01	PYGMY WHITE FISH	PARR	1	5.20	0.00	1	0.000	0.000	0
		01	PYGMY WHITE FISH	ADULT	1	11.90	0.00	1	0.000	0.000	0
		01	SOCKEYE (RED) SALMON	PARR	2	5.50	0.85	2	0.000	0.000	0
		01	ROUND WHITE FISH	JUVENILE	1	9.60	0.00	1	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	1	4.30	0.00	1	0.000	0.000	0
0006	220982	01	DOLLY VARDEN	PARR	2	7.75	4.03	2	0.000	0.000	0
		01	COHO (SILVER) SALMON	PARR	2	6.35	1.20	2	0.000	0.000	0
		01	PYGMY WHITE FISH	PARR	5	5.22	0.45	5	0.000	0.000	0
		01	PYGMY WHITE FISH	JUVENILE	1	8.80	0.00	1	0.000	0.000	0
		01	PYGMY WHITE FISH	ADULT	2	11.90	2.97	2	0.000	0.000	0
		01	SOCKEYE (RED) SALMON	PARR	2	7.25	0.21	2	0.000	0.000	0
		01	ROUND WHITE FISH	PARR	6	7.88	1.50	6	0.000	0.000	0
		01	ROUND WHITE FISH	JUVENILE	3	10.83	3.31	3	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	3	5.77	1.15	3	0.000	0.000	0
	240982	01	COHO (SILVER) SALMON	PARR	3	5.77	0.57	3	0.000	0.000	0
		01	PYGMY WHITE FISH	PARR	3	4.83	0.51	3	0.000	0.000	0
		01	PYGMY WHITE FISH	ADULT	1	12.60	0.00	1	0.000	0.000	0
		01	SOCKEYE (RED) SALMON	PARR	1	6.60	0.00	1	0.000	0.000	0
		01	ROUND WHITE FISH	PARR	1	4.90	0.00	1	0.000	0.000	0
		01	ROUND WHITE FISH	JUVENILE	3	10.27	2.01	3	0.000	0.000	0
		01	SLIMY SCULPIN	JUVENILE	1	5.20	0.00	1	0.000	0.000	0
001D	300982	01	DOLLY VARDEN	PARR	1	5.20	0.00	1	0.000	0.000	0
		01	COHO (SILVER) SALMON	PARR	2	6.15	0.07	2	0.000	0.000	0
		01	PYGMY WHITE FISH	PARR	5	5.06	0.86	5	0.000	0.000	0

TABLE 17 . SUMMARY OF RESULTS: BEACH SEINE SAMPLES
SEPTEMBER, 1982

PAGE 2

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
001D	300982	01	SOCKEYE (RED) SALMON	PARR	13	7.01	1.05	13	0.000	0.000	0
		01	ROUND WHITE FISH	PARR	7	6.11	0.85	7	0.000	0.000	0
		01	BERING CISCO	ADULT	1	28.00	0.00	1	0.227	0.000	1

TABLE 10 . SUMMARY OF RESULTS: BEACH SEINE SAMPLES
OCTOBER, 1982

PAGE 1

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0006	091082	01	COHO (SILVER) SALMON	PARR	1	13.30	0.00	1	0.000	0.000	0
		01	PYGMY WHITE FISH	JUVENILE	3	9.43	0.64	3	0.000	0.000	0
0011	031082	01	COHO (SILVER) SALMON	PARR	2	9.95	4.74	2	0.028	0.000	2
		01	CHINOOK (KING) SALMON	PARR	3	10.83	2.45	3	0.028	0.000	3
		01	ROUND WHITE FISH	PARR	1	5.30	0.00	1	0.028	0.000	1
		01	ROUND WHITE FISH	JUVENILE	1	9.60	0.00	1	0.028	0.000	1
	081082	01	COHO (SILVER) SALMON	PARR	1	13.90	0.00	1	0.028	0.000	1
001D	081082	01	PYGMY WHITE FISH	PARR	1	4.90	0.00	1	0.000	0.000	0
		01	SOCKEYE (RED) SALMON	PARR	5	6.00	0.56	5	0.000	0.000	0
		01	ROUND WHITE FISH	PARR	2	4.95	1.91	2	0.000	0.000	0
		01	NINE-SPINE STICKLEBACK	JUVENILE	2	4.25	1.20	2	0.000	0.000	0
		01	THREE-SPINE STICKLEBACK	JUVENILE	1	2.60	0.00	1	0.000	0.000	0
	091082	01	PYGMY WHITE FISH	PARR	3	4.53	0.81	3	0.000	0.000	0
		01	SOCKEYE (RED) SALMON	PARR	4	5.32	0.35	4	0.000	0.000	0
		01	ROUND WHITE FISH	PARR	3	5.60	0.70	3	0.000	0.000	0

TABLE 18 . SUMMARY OF RESULTS: FLOATING GILL NET SAMPLES
AUGUST, 1982

PAGE 1

STATION	DATE	REPLICATE	SPECIES	LIFE STAGE	NUMBER	LENGTH (CM)			BIOMASS (KG)		
						MEAN	S.D.	N	MEAN	S.D.	N
0027	180882	01	SOCKEYE (RED) SALMON	ADULT	11	61.67	9.68	11	2.314	1.092	11
		01	ROUND WHITE FISH	ADULT	2	39.00	0.00	1	0.737	0.000	1
	190882	01	DOLLY VARDEN	ADULT	1	46.50	0.00	1	0.907	0.000	1
		01	SOCKEYE (RED) SALMON	ADULT	16	67.41	6.05	16	2.831	0.748	16
		01	ROUND WHITE FISH	JUVENILE	1	22.60	0.00	1	0.113	0.000	1
		01	ROUND WHITE FISH	ADULT	1	28.90	0.00	1	0.227	0.000	1
		01	LAKE TROUT	JUVENILE	1	17.30	0.00	1	0.113	0.000	1
		01	LAKE TROUT	ADULT	3	40.13	14.75	3	0.992	1.042	3
	190882	01	SOCKEYE (RED) SALMON	ADULT	3	71.33	0.58	3	3.401	0.000	1
		01	ROUND WHITE FISH	JUVENILE	1	21.70	0.00	1	0.057	0.000	1

APPENDIX A5
CATCH PER EFFORT - SUMMER-FALL 1982 STUDIES

Fish collected are listed by method and sampling location. Locations of the sampling stations are as follows:

Station Number	Location	Map Coordinate
1	Confluence of Chakachatna River with McArthur River	R. 14 W., T. 10 N.
1D	McArthur River	R. 14 W., T. 10 N.
2	Lower Chakachatna River	R. 14 W., T. 11 N.
3	Lower Chakachatna River	R. 14 W., T. 11 N.
4	Upper Middle River	R. 14 W., T. 11 N.
5	Lower Middle River	R. 13 W., T. 11 N.
6	Chakachatna River above Middle River	R. 14 W., T. 11 N.
6A	Chakachatna River above Middle River	R. 14 W., T. 11 N.
8	Upper Nouakta Slough	R. 14 W., T. 11 N.
9	Lower Nouakta Slough	R. 14 W., T. 11 N.
10	West Nouakta Slough	R. 15 W., T. 11 N.
11	Lower McArthur River	R. 14 W., T. 10 N.
12	McArthur River above Noauakta Slough	R. 15 W., T. 11 N.
13	Upper McArthur River	R. 16 W., T. 11 N.
14	Lower McArthur Canyon	R. 16 W., T. 12 N.
15	McArthur Canyon	R. 17 W., T. 12 N.
16	Upper Noauakta Slough	R. 14 W., T. 12 N.
16A	Upper Noauakta Slough	R. 14 W., T. 11 N.
17	Chakachatna River at DNR Bridge	R. 14 W., T. 12 N.
17D	Chakachatna River Below 17	R. 14 W., T. 12 N.
18	Straight Creek	R. 15 W., T. 12 N.
19	Clearwater tributary to Straight Creek	R. 14 W., T. 12 N.
19A	Clearwater tributary to Straight Creek	R. 14 W., T. 12 N.
20	Chakachatna River across from Straight Creek	R. 15 W., T. 12 N.
21	Chakachatna River across from Straight Creek	R. 15 W., T. 12 N.
22	Chakachatna River at base of canyon	R. 15 W., T. 13 N.
23	Chakachatna River in canyon	R. 15 W., T. 13 N.
24	Chakachatna River in canyon	R. 16 W., T. 13 N.
25	Chakachamna Lake	R. 17 W., T. 13 N.
26	Nagishlamina River delta	R. 18 W., T. 13 N.
27	Chakachamna Lake N. Side	R. 18 W., T. 13 N.
28	Chakachamna Lake S. Side	R. 18 W., T. 13 N.
29	Kenibuna Lake outlet	R. 20 W., T. 13 N.
30	Chilligan River	R. 20 W., T. 13 N.
31	Neacola River	R. 21 W., T. 12 N.
32	Igitna River	R. 21 W., T. 12 N.
33	Another River	R. 21 W., T. 13 N.
Streams	12.1 through 12.4, 13X	R. 15 W., T. 11 N.
Streams	12.1 through 12.4	R. 15 W., T. 12 N.
Stream	12.5	R. 14 W., T. 11 N.
Stream	13U	R. 15 W., T. 11 N.
Stream	13U	R. 16 W., T. 11 N.



TABLE 01 . CATCH PER EFFORT: FYKE NET SAMPLES
AUGUST, 1982

PAGE 1

STATION	SPECIES	LIFE STAGE	EFFORT (DAYS)	CATCH/ EFFORT	LENGTH (CM)		
					MEAN	S.D.	N
0006	DOLLY VARDEN		20	0.10	0.00	0.00	0
	DOLLY VARDEN	PARR	20	0.45	13.32	1.74	9
	DOLLY VARDEN	JUVENILE	20	10.35	22.01	1.87	206
	DOLLY VARDEN	ADULT	20	14.00	28.38	4.97	280
	COHO (SILVER) SALMON	ADULT	20	0.15	41.90	8.81	3
	PYGMY WHITE FISH	PARR	20	0.20	12.08	0.51	4
	PYGMY WHITE FISH	JUVENILE	20	0.05	13.40	0.00	1
	PYGMY WHITE FISH	ADULT	20	0.25	14.94	5.69	5
	RAINBOW TROUT	PARR	20	0.05	22.10	0.00	1
	RAINBOW TROUT	JUVENILE	20	0.15	19.90	4.90	3
	RAINBOW TROUT	ADULT	20	0.25	33.78	7.41	5
	ROUND WHITE FISH	JUVENILE	20	0.10	14.80	1.70	2
	ROUND WHITE FISH	ADULT	20	0.10	30.65	0.49	2
	SLIMY SCULPIN	JUVENILE	20	0.15	9.57	1.26	3
	SLIMY SCULPIN	ADULT	20	0.15	10.73	2.64	3
	THREE-SPINE STICKLEBACK	JUVENILE	20	0.10	7.75	0.35	2
	PINK SALMON		20	0.05	0.00	0.00	0
	PINK SALMON	JUVENILE	20	0.05	21.00	0.00	1
	PINK SALMON	ADULT	20	1.10	48.32	3.25	22
0011	DOLLY VARDEN	PARR	17	1.47	11.82	2.29	25
	DOLLY VARDEN	JUVENILE	17	5.47	18.31	4.03	93
	DOLLY VARDEN	ADULT	17	1.65	28.62	5.24	28
	COHO (SILVER) SALMON	PARR	17	0.88	10.83	0.86	15
	COHO (SILVER) SALMON	JUVENILE	17	0.12	10.50	0.71	2
	PYGMY WHITE FISH	JUVENILE	17	0.12	12.60	0.85	2
	RAINBOW TROUT	JUVENILE	17	0.06	22.50	0.00	1
	RAINBOW TROUT	ADULT	17	0.12	29.00	1.41	2
	ROUND WHITE FISH	JUVENILE	17	0.06	21.50	0.00	1
	ROUND WHITE FISH	ADULT	17	0.06	37.50	0.00	1
	SLIMY SCULPIN	PARR	17	0.06	11.00	0.00	1
	SLIMY SCULPIN	JUVENILE	17	0.18	8.93	1.10	3
	SLIMY SCULPIN	ADULT	17	0.24	10.40	0.71	4
	THREE-SPINE STICKLEBACK	JUVENILE	17	1.41	7.98	0.58	24
	THREE-SPINE STICKLEBACK	ADULT	17	0.35	8.30	1.04	6
	PINK SALMON	ADULT	17	0.12	43.00	1.41	2

TABLE 02. CATCH PER EFFORT: FYKE NET SAMPLES
SEPTEMBER, 1982

PAGE 1

STATION	SPECIES	LIFE STAGE	EFFORT (DAYS)	CATCH/ EFFORT	LENGTH (CM)		N
					MEAN	S.D.	
0003	DOLLY VARDEN	PARR	14	0.07	15.50	0.00	1
	DOLLY VARDEN	JUVENILE	14	6.50	24.25	3.45	91
	DOLLY VARDEN	ADULT	14	4.00	32.84	2.74	56
	COHO (SILVER) SALMON	PARR	14	0.21	14.67	0.45	3
	COHO (SILVER) SALMON	ADULT	14	1.00	63.51	8.58	14
	PYGMY WHITE FISH	ADULT	14	0.43	13.98	1.08	6
	RAINBOW TROUT	JUVENILE	14	2.00	22.63	2.60	28
	RAINBOW TROUT	ADULT	14	2.64	32.66	5.38	37
	ROUND WHITE FISH	JUVENILE	14	0.50	17.66	2.97	7
	ROUND WHITE FISH	ADULT	14	0.21	26.97	0.12	3
	SLIMY SCULPIN	JUVENILE	14	0.29	11.35	1.33	4
	CHUM SALMON	ADULT	14	0.14	69.15	3.18	2
0004	DOLLY VARDEN	PARR	20	0.25	15.16	4.34	5
	DOLLY VARDEN	JUVENILE	20	10.35	24.66	2.53	207
	DOLLY VARDEN	ADULT	20	3.60	33.39	3.70	72
	COHO (SILVER) SALMON	PARR	20	0.15	11.07	1.22	3
	COHO (SILVER) SALMON	ADULT	20	1.00	63.69	10.26	20
	PYGMY WHITE FISH	ADULT	20	0.55	15.01	4.70	11
	SOCKEYE (RED) SALMON	JUVENILE	20	0.05	34.60	0.00	1
	RAINBOW TROUT		20	0.05	0.00	0.00	0
	RAINBOW TROUT	PARR	20	0.10	14.25	2.19	2
	RAINBOW TROUT	JUVENILE	20	1.70	21.15	4.15	34
	RAINBOW TROUT	ADULT	20	3.70	33.23	5.68	74
	ROUND WHITE FISH	JUVENILE	20	0.10	17.85	0.35	2
	SLIMY SCULPIN	JUVENILE	20	0.05	8.10	0.00	1
	CHUM SALMON	JUVENILE	20	0.05	38.50	0.00	1
0006	DOLLY VARDEN	PARR	19	0.21	14.80	2.95	4
	DOLLY VARDEN	JUVENILE	19	9.00	25.30	3.47	171
	DOLLY VARDEN	ADULT	19	5.89	33.51	3.79	112
	COHO (SILVER) SALMON	PARR	19	0.58	13.25	1.05	11
	COHO (SILVER) SALMON	ADULT	19	0.42	55.49	8.93	8
	PYGMY WHITE FISH	JUVENILE	19	0.05	10.40	0.00	1
	PYGMY WHITE FISH	ADULT	19	0.37	13.24	1.45	7
	SOCKEYE (RED) SALMON	ADULT	19	0.05	63.20	0.00	1
	RAINBOW TROUT	PARR	19	0.05	16.60	0.00	1
	RAINBOW TROUT	JUVENILE	19	0.58	23.36	4.01	11
	RAINBOW TROUT	ADULT	19	1.32	35.71	5.70	25
	ROUND WHITE FISH	JUVENILE	19	0.47	16.37	2.06	9
	ROUND WHITE FISH	ADULT	19	0.11	27.45	7.71	2
	SLIMY SCULPIN	JUVENILE	19	0.26	11.24	1.16	5
	CHUM SALMON	ADULT	19	0.05	71.30	0.00	1
	PINK SALMON	ADULT	19	0.05	51.60	0.00	1

TABLE 02 . CATCH PER EFFORT: FYKE NET SAMPLES
SEPTEMBER, 1982

PAGE 2

STATION	SPECIES	LIFE STAGE	EFFORT (DAYS)	CATCH/ EFFORT	LENGTH (CM)		
					MEAN	S.D.	N
0009	DOLLY VARDEN	JUVENILE	4	18.25	24.63	3.38	73
	DOLLY VARDEN	ADULT	4	11.50	33.48	4.00	46
	COHO (SILVER) SALMON	ADULT	4	3.75	59.33	6.11	15
	PYGMY WHITE FISH	ADULT	4	0.75	15.67	1.21	3
	CHINOOK (KING) SALMON	PARR	4	0.25	17.10	0.00	1
	RAINBOW TROUT	JUVENILE	4	0.75	23.17	0.60	3
	RAINBOW TROUT	ADULT	4	2.75	37.85	6.10	11
	ROUND WHITE FISH	JUVENILE	4	0.25	22.30	0.00	1
	ROUND WHITE FISH	ADULT	4	0.75	33.40	1.01	3
	CHUM SALMON	ADULT	4	0.50	72.70	2.97	2
001D	DOLLY VARDEN	JUVENILE	7	33.71	21.78	3.57	236
	DOLLY VARDEN	ADULT	7	5.29	34.28	4.08	37
	COHO (SILVER) SALMON	PARR	7	5.57	14.47	0.86	39
	COHO (SILVER) SALMON	JUVENILE	7	0.14	14.20	0.00	1
	PYGMY WHITE FISH	PARR	7	0.14	15.20	0.00	1
	RAINBOW TROUT	JUVENILE	7	1.57	19.01	2.99	11
	RAINBOW TROUT	ADULT	7	0.43	28.50	4.81	3
	ROUND WHITE FISH	JUVENILE	7	0.71	18.90	4.69	5
	CHUM SALMON	JUVENILE	7	0.14	21.80	0.00	1
	CHUM SALMON	ADULT	7	0.71	67.84	2.47	5
	BERING CISCO	JUVENILE	7	1.43	19.85	3.30	10
	BERING CISCO	ADULT	7	0.43	30.70	7.15	3
	HOOLIGAN (EULACHON)	ADULT	7	0.43	21.30	0.61	3

TABLE 03 . CATCH PER EFFORT: FYKE NET SAMPLES
OCTOBER, 1982

PAGE 1

STATION	SPECIES	LIFE STAGE	EFFORT (DAYS)	CATCH/ EFFORT	LENGTH (CM)		N
					MEAN	S.D.	
0003	DOLLY VARDEN	JUVENILE	12	16.50	23.42	3.67	198
	DOLLY VARDEN	ADULT	12	7.50	33.50	3.50	90
	COHO (SILVER) SALMON	PARR	12	3.92	14.71	1.24	47
	COHO (SILVER) SALMON	JUVENILE	12	0.42	14.40	1.16	5
	COHO (SILVER) SALMON	ADULT	12	1.75	59.08	6.15	21
	PYGMY WHITE FISH	ADULT	12	1.25	14.47	0.82	15
	SOCKEYE (RED) SALMON	ADULT	12	0.08	48.30	0.00	1
	CHINOOK (KING) SALMON	JUVENILE	12	0.08	27.60	0.00	1
	RAINBOW TROUT	JUVENILE	12	3.67	22.05	2.79	44
	RAINBOW TROUT	ADULT	12	4.67	30.83	5.81	56
	ROUND WHITE FISH	JUVENILE	12	3.50	19.22	2.96	42
	ROUND WHITE FISH	ADULT	12	0.50	26.18	3.78	6
	SLIMY SCULPIN	ADULT	12	0.17	10.90	0.14	2
	CHUM SALMON	ADULT	12	0.08	72.30	0.00	1
0004	DOLLY VARDEN	JUVENILE	17	21.88	22.16	4.47	372
	DOLLY VARDEN	ADULT	17	10.29	33.91	3.88	175
	COHO (SILVER) SALMON	PARR	17	2.76	13.00	1.36	47
	COHO (SILVER) SALMON	JUVENILE	17	0.24	13.98	1.69	4
	COHO (SILVER) SALMON	ADULT	17	0.71	59.42	4.29	12
	PYGMY WHITE FISH	JUVENILE	17	0.12	11.30	0.28	2
	PYGMY WHITE FISH	ADULT	17	0.35	12.20	0.71	6
	CHINOOK (KING) SALMON	PARR	17	0.06	11.20	0.00	1
	RAINBOW TROUT	JUVENILE	17	6.53	20.05	3.51	111
	RAINBOW TROUT	ADULT	17	4.71	31.57	5.49	80
	ROUND WHITE FISH	JUVENILE	17	0.24	14.75	2.32	4
	SLIMY SCULPIN	JUVENILE	17	0.53	10.08	3.16	9
	SLIMY SCULPIN	ADULT	17	0.06	10.80	0.00	1
	CHUM SALMON	ADULT	17	0.12	60.80	2.40	2
0006	DOLLY VARDEN	PARR	15	0.13	13.35	1.06	2
	DOLLY VARDEN	JUVENILE	15	55.93	22.58	4.54	839
	DOLLY VARDEN	ADULT	15	11.13	32.19	3.10	167
	COHO (SILVER) SALMON	PARR	15	28.27	13.04	1.20	424
	COHO (SILVER) SALMON	JUVENILE	15	0.67	13.27	1.06	10
	COHO (SILVER) SALMON	ADULT	15	0.07	61.60	0.00	1
	PYGMY WHITE FISH	PARR	15	0.20	12.37	0.86	3
	PYGMY WHITE FISH	JUVENILE	15	0.80	10.90	0.97	12
	PYGMY WHITE FISH	ADULT	15	5.07	12.65	1.15	76
	SOCKEYE (RED) SALMON	ADULT	15	0.07	52.10	0.00	1
	RAINBOW TROUT	PARR	15	0.07	18.20	0.00	1
	RAINBOW TROUT	JUVENILE	15	8.07	19.75	3.70	121
	RAINBOW TROUT	ADULT	15	6.87	30.48	4.90	103
	ROUND WHITE FISH	JUVENILE	15	2.20	14.96	1.08	33

TABLE 03 . CATCH PER EFFORT: FYKE NET SAMPLES
OCTOBER, 1982

PAGE 2

STATION	SPECIES	LIFE STAGE	EFFORT (DAYS)	CATCH/ EFFORT	LENGTH (CM)		
					MEAN	S.D.	N
0006	ROUND WHITE FISH	ADULT	15	0.53	18.15	6.29	8
	SLIMY SCULPIN	JUVENILE	15	0.47	9.80	0.86	7
	SLIMY SCULPIN	ADULT	15	0.60	10.70	0.58	9
	CHUM SALMON	ADULT	15	0.07	67.80	0.00	1
0009	DOLLY VARDEN	JUVENILE	13	6.46	24.58	3.44	84
	DOLLY VARDEN	ADULT	13	3.08	32.97	4.66	40
	COHO (SILVER) SALMON	PARR	13	0.08	14.80	0.00	1
	COHO (SILVER) SALMON	ADULT	13	0.31	63.65	6.35	4
	PYGMY WHITE FISH	ADULT	13	1.31	15.06	1.12	17
	RAINBOW TROUT	JUVENILE	13	0.23	20.37	3.52	3
	RAINBOW TROUT	ADULT	13	1.38	38.85	7.40	18
	ROUND WHITE FISH	JUVENILE	13	0.08	23.30	0.00	1
	ROUND WHITE FISH	ADULT	13	1.15	31.50	3.78	15
	SLIMY SCULPIN	ADULT	13	0.15	11.35	0.07	2
	HOOLIGAN (EULACHON)	ADULT	13	0.15	21.25	0.35	2
0011	DOLLY VARDEN	JUVENILE	17	6.94	23.58	3.02	118
	DOLLY VARDEN	ADULT	17	2.06	33.84	4.37	35
	COHO (SILVER) SALMON	PARR	17	0.24	15.98	3.77	4
	RAINBOW TROUT	PARR	17	0.06	17.30	0.00	1
	RAINBOW TROUT	JUVENILE	17	0.71	22.77	1.85	12
	RAINBOW TROUT	ADULT	17	0.76	34.34	7.86	13
	ROUND WHITE FISH	JUVENILE	17	0.12	14.30	5.52	2
	ROUND WHITE FISH	ADULT	17	0.24	27.27	4.01	4
	BERING CISCO	JUVENILE	17	0.06	23.80	0.00	1
	BERING CISCO	ADULT	17	0.18	29.53	1.46	3
001D	DOLLY VARDEN	JUVENILE	16	10.06	20.86	3.65	161
	DOLLY VARDEN	ADULT	16	3.88	35.46	4.26	62
	COHO (SILVER) SALMON	PARR	16	1.81	14.02	1.28	29
	COHO (SILVER) SALMON	ADULT	16	0.12	15.40	0.57	2
	RAINBOW TROUT	JUVENILE	16	0.19	20.90	3.03	3
	RAINBOW TROUT	ADULT	16	0.44	34.01	3.08	7
	ROUND WHITE FISH	JUVENILE	16	0.06	18.30	0.00	1
	BERING CISCO	JUVENILE	16	1.50	19.14	2.06	24
	BERING CISCO	ADULT	16	0.56	29.24	2.49	9
	HOOLIGAN (EULACHON)	ADULT	16	0.69	21.81	1.18	11
	LONGFIN SMELT	ADULT	16	1.50	14.07	0.83	24
	RAINBOW SMELT	ADULT	16	0.06	15.50	0.00	1

TABLE 04 . CATCH PER UNIT EFFORT: ELECTROSHOCK/DIP NET SAMPLES
AUGUST, 1982

PAGE 1

STATION	DATE	SPECIES	LIFE STAGE	NUMBER OF REPLICATES	CATCH/ EFFORT	LENGTH (CM)		N
						MEAN	S.D.	
0003	230882	DOLLY VARDEN		5	0.20	0.00	0.00	0
		DOLLY VARDEN	ADULT	5	0.20	33.70	0.00	1
		COHO (SILVER) SALMON	JUVENILE	5	0.40	5.35	0.78	2
		PYGMY WHITE FISH	ADULT	5	0.20	8.90	0.00	1
		SLIMY SCULPIN	ADULT	5	0.20	5.90	0.00	1
0004	260882	COHO (SILVER) SALMON	PARR	1	1.00	9.10	0.00	1
		THREE-SPINE STICKLEBACK	JUVENILE	1	4.00	3.53	2.47	4
0005	260882	DOLLY VARDEN	JUVENILE	1	4.00	4.93	1.93	4
		COHO (SILVER) SALMON	PARR	1	1.00	5.00	0.00	1
		COHO (SILVER) SALMON	JUVENILE	1	2.00	4.90	0.57	2
		PYGMY WHITE FISH	JUVENILE	1	1.00	4.20	0.00	1
		PYGMY WHITE FISH	ADULT	1	1.00	9.80	0.00	1
		RAINBOW TROUT	ADULT	1	1.00	25.80	0.00	1
		SLIMY SCULPIN	ADULT	1	6.00	5.82	1.73	6
0008	150882	DOLLY VARDEN	PARR	9	0.22	7.10	0.00	1
		SLIMY SCULPIN		9	0.33	4.10	0.99	2
		SLIMY SCULPIN	JUVENILE	9	0.22	4.25	0.92	2
0010	150882	DOLLY VARDEN	PARR	3	0.67	8.50	0.71	2
		PYGMY WHITE FISH	PARR	3	2.00	8.47	0.50	6
		ROUND WHITE FISH		3	0.33	0.00	0.00	0
0011	110882	DOLLY VARDEN	PARR	8	0.37	10.57	1.55	3
		DOLLY VARDEN	JUVENILE	8	0.25	14.10	0.00	2
		SOCKEYE (RED) SALMON	PARR	8	0.50	4.57	1.06	4
		CHINOOK (KING) SALMON	PARR	8	0.25	4.85	1.63	2
	120882	DOLLY VARDEN	PARR	1	1.00	12.40	0.00	1
		COHO (SILVER) SALMON	PARR	1	2.00	10.05	0.07	2
		THREE-SPINE STICKLEBACK	ADULT	1	3.00	7.90	0.46	3
0012	170882	DOLLY VARDEN	PARR	8	0.25	5.90	0.14	2
		SOCKEYE (RED) SALMON	PARR	8	0.37	6.50	0.46	3

TABLE 04 . CATCH PER UNIT EFFORT: ELECTROSHOCK/DIP NET SAMPLES
AUGUST, 1982

PAGE 2

STATION	DATE	SPECIES	LIFE STAGE	NUMBER OF REPLICATES	CATCH/ EFFORT	LENGTH (CM)		
						MEAN	S.D.	N
0013	160882	DOLLY VARDEN	PARR	3	8.33	6.54	1.29	25
		COHO (SILVER) SALMON	PARR	3	4.33	5.10	0.79	13
		RAINBOW TROUT	PARR	3	0.67	6.35	0.07	2
		SLIMY SCULPIN	JUVENILE	3	0.67	7.00	0.57	2
0015	160882	PINK SALMON	ADULT	1	1.00	49.50	0.00	1
0016	140882	DOLLY VARDEN	PARR	5	1.40	8.39	2.64	7
		SLIMY SCULPIN	JUVENILE	5	1.00	7.74	0.80	5
0017	220882	DOLLY VARDEN	JUVENILE	5	0.40	11.55	1.77	2
		DOLLY VARDEN	ADULT	5	0.40	0.00	0.00	0
		SOCKEYE (RED) SALMON		5	0.60	0.00	0.00	0
		SOCKEYE (RED) SALMON	JUVENILE	5	0.40	5.20	1.84	2
		SOCKEYE (RED) SALMON	ADULT	5	0.60	67.00	0.00	1
		SLIMY SCULPIN	ADULT	5	0.80	5.05	0.45	4
0018	220882	DOLLY VARDEN		9	0.11	0.00	0.00	0
		DOLLY VARDEN	JUVENILE	9	1.78	7.67	1.78	15
		DOLLY VARDEN	ADULT	9	0.44	27.60	10.91	4
		COHO (SILVER) SALMON	JUVENILE	9	0.33	7.27	1.46	3
		PYGMY WHITE FISH	ADULT	9	0.33	13.43	1.19	3
		CHINOOK (KING) SALMON	JUVENILE	9	0.44	5.75	0.53	4
		SLIMY SCULPIN	ADULT	9	0.22	6.85	1.06	2
		PINK SALMON	ADULT	9	0.11	46.50	0.00	1
0019	090882	DOLLY VARDEN	PARR	3	0.67	6.15	0.49	2
		COHO (SILVER) SALMON	PARR	3	3.33	4.62	1.02	10
		CHINOOK (KING) SALMON	PARR	3	1.33	4.42	0.66	4
		SLIMY SCULPIN	JUVENILE	3	0.33	10.00	0.00	1
	110882	DOLLY VARDEN	PARR	3	1.33	5.15	2.04	4
		COHO (SILVER) SALMON	PARR	3	4.67	4.30	0.47	14
		CHINOOK (KING) SALMON	PARR	3	3.33	5.01	0.74	10
		SLIMY SCULPIN	JUVENILE	3	0.33	6.40	0.00	1
		SLIMY SCULPIN	ADULT	3	0.33	9.30	0.00	1
	240882	PINK SALMON	ADULT	1	19.00	49.26	3.42	19

TABLE 04 . CATCH PER UNIT EFFORT: ELECTROSHOCK/DIP NET SAMPLES
AUGUST, 1982

PAGE 3

STATION	DATE	SPECIES	LIFE STAGE	NUMBER OF REPLICATES	CATCH/ EFFORT	LENGTH (CM)		N
						MEAN	S.D.	
001D	260882	DOLLY VARDEN	PARR	3	0.33	8.90	0.00	1
		DOLLY VARDEN	JUVENILE	3	0.67	12.35	1.63	2
		PYGMY WHITE FISH	JUVENILE	3	0.67	4.30	0.28	2
		SOCKEYE (RED) SALMON	PARR	3	0.33	5.60	0.00	1
		SOCKEYE (RED) SALMON	JUVENILE	3	0.33	6.90	0.00	1
		SLIMY SCULPIN	JUVENILE	3	0.33	4.60	0.00	1
		SLIMY SCULPIN	ADULT	3	0.67	7.30	1.98	2
0020	220882	DOLLY VARDEN	JUVENILE	4	2.00	5.94	2.15	8
		DOLLY VARDEN	ADULT	4	1.25	37.82	14.85	5
		COHO (SILVER) SALMON	JUVENILE	4	0.25	4.70	0.00	1
		PYGMY WHITE FISH	ADULT	4	1.00	13.75	1.36	4
		SOCKEYE (RED) SALMON	JUVENILE	4	3.00	4.81	1.33	12
		SOCKEYE (RED) SALMON	ADULT	4	0.25	8.00	0.00	1
		ROUND WHITE FISH	ADULT	4	0.25	21.00	0.00	1
		SLIMY SCULPIN	ADULT	4	0.25	4.70	0.00	1
0023	140882	DOLLY VARDEN	ADULT	1	5.00	41.78	0.68	5
		SOCKEYE (RED) SALMON	ADULT	1	7.00	61.14	8.10	7
		ROUND WHITE FISH	ADULT	1	1.00	30.00	0.00	1
		PINK SALMON	ADULT	1	1.00	0.00	0.00	0
0027	200882	SOCKEYE (RED) SALMON	PARR	4	0.75	5.07	1.68	3
		LAKE TROUT		4	0.25	0.00	0.00	0
		ROUND WHITE FISH		4	0.25	0.00	0.00	0
		ROUND WHITE FISH	PARR	4	1.00	7.30	0.50	4
		ROUND WHITE FISH	ADULT	4	0.25	36.00	0.00	1
006A	090882	DOLLY VARDEN		4	0.50	0.00	0.00	0
016A	150882	DOLLY VARDEN		4	0.75	0.00	0.00	0
		DOLLY VARDEN	PARR	4	5.50	5.39	1.84	22
		COHO (SILVER) SALMON	PARR	4	2.00	5.45	1.96	8
		SLIMY SCULPIN	JUVENILE	4	2.00	6.30	1.57	6
019A	110882	DOLLY VARDEN	PARR	2	0.50	10.00	0.00	1
		COHO (SILVER) SALMON	PARR	2	2.00	5.35	1.28	4
		COHO (SILVER) SALMON	ADULT	2	0.50	25.20	0.00	1
		RAINBOW TROUT	ADULT	2	0.50	25.20	0.00	1

TABLE 05 . CATCH PER UNIT EFFORT: ELECTROSHOCK/DIP NET SAMPLES
SEPTEMBER, 1982

PAGE 1

STATION	DATE	SPECIES	LIFE STAGE	NUMBER OF REPLICATES	CATCH/ EFFORT	LENGTH (CM)		N
						MEAN	S.D.	
0013	120982	DOLLY VARDEN	PARR	2	11.00	6.97	1.45	22
		PYGMY WHITE FISH	ADULT	2	1.00	12.75	1.06	2
0015	120982	DOLLY VARDEN	PARR	5	2.40	4.37	0.80	10
0016	210982	DOLLY VARDEN	PARR	1	4.00	5.95	0.75	4
		DOLLY VARDEN	JUVENILE	1	1.00	14.30	0.00	1
		SOCKEYE (RED) SALMON	PARR	1	1.00	6.70	0.00	1
		ROUND WHITE FISH	ADULT	1	1.00	0.00	0.00	0
		SLIMY SCULPIN	JUVENILE	1	8.00	6.80	0.69	8
006A	230982	DOLLY VARDEN	PARR	1	4.00	7.30	2.07	4
		COHO (SILVER) SALMON	PARR	1	1.00	13.40	0.00	1
		PYGMY WHITE FISH	ADULT	1	1.00	13.00	0.00	1
		SLIMY SCULPIN	JUVENILE	1	1.00	6.50	0.00	1
		SLIMY SCULPIN	ADULT	1	1.00	9.70	0.00	1

TABLE 6 . CATCH PER UNIT EFFORT: ELECTROSHOCK/DIP NET SAMPLES
OCTOBER, 1982

PAGE 1

STATION	DATE	SPECIES	LIFE STAGE	NUMBER OF REPLICATES	CATCH/ EFFORT	LENGTH (CM)		N
						MEAN	S.D.	
0002	151082	DOLLY VARDEN	JUVENILE	1	1.00	17.60	0.00	1
		DOLLY VARDEN	ADULT	1	1.00	0.00	0.00	0
		COHO (SILVER) SALMON	PARR	1	18.00	5.67	0.97	18
		COHO (SILVER) SALMON	ADULT	1	1.00	0.00	0.00	0
		SOCKEYE (RED) SALMON	PARR	1	1.00	6.20	0.00	1
		SLIMY SCULPIN	JUVENILE	1	4.00	4.65	0.62	4
		NINE-SPINE STICKLEBACK	JUVENILE	1	1.00	5.60	0.00	1
0021	181082	DOLLY VARDEN	PARR	1	1.00	6.60	0.00	1
		DOLLY VARDEN	ADULT	1	6.00	37.60	4.68	6
		PYGMY WHITE FISH	JUVENILE	1	1.00	7.50	0.00	1
		RAINBOW TROUT	ADULT	1	1.00	26.40	0.00	1
		SLIMY SCULPIN	JUVENILE	1	1.00	4.30	0.00	1
0023	181082	DOLLY VARDEN	PARR	2	3.50	6.33	0.60	7
		DOLLY VARDEN	JUVENILE	2	3.00	11.43	1.42	6
		PYGMY WHITE FISH	JUVENILE	2	1.00	10.30	0.57	2
		ROUND WHITE FISH	ADULT	2	2.00	29.40	3.23	4
		SLIMY SCULPIN	JUVENILE	2	0.50	3.70	0.00	1
0024	181082	DOLLY VARDEN	PARR	3	11.33	10.06	3.85	34
		DOLLY VARDEN	JUVENILE	3	1.00	13.97	0.85	3
		SOCKEYE (RED) SALMON	PARR	3	2.33	6.46	1.50	7
		ROUND WHITE FISH	JUVENILE	3	0.33	16.30	0.00	1
		LAKE TROUT	PARR	3	2.33	9.63	2.09	7

TABLE 07 . CATCH PER UNIT EFFORT: ELECTROSHOCK/SEINE SAMPLES
AUGUST, 1982

PAGE 1

STATION	DATE	SPECIES	LIFE STAGE	NUMBER OF REPLICATES	CATCH/ EFFORT	LENGTH (CM)		
						MEAN	S.D.	N
0010	150882	DOLLY VARDEN	PARR	1	4.00	7.50	1.67	4
0015	160882	DOLLY VARDEN	PARR	4	2.25	5.17	1.49	9
		SOCKEYE (RED) SALMON	ADULT	4	0.75	61.17	6.75	3
		PINK SALMON	ADULT	4	0.50	45.25	1.06	2
0019	090882	CHINOOK (KING) SALMON	ADULT	2	1.00	110.00	0.00	1
		PINK SALMON	ADULT	2	5.00	44.75	2.50	4
	110882	DOLLY VARDEN	PARR	4	2.50	5.59	2.62	10
		COHO (SILVER) SALMON	PARR	4	1.50	4.67	1.01	6
		CHINOOK (KING) SALMON	PARR	4	0.25	6.00	0.00	1
		SLIMY SCULPIN	JUVENILE	4	0.50	5.45	2.47	2
		SLIMY SCULPIN	ADULT	4	0.25	9.50	0.00	1
		PINK SALMON	ADULT	4	0.50	48.70	0.00	1

TABLE 08 . CATCH PER UNIT EFFORT: ELECTROSHOCK/SEINE SAMPLES
SEPTEMBER, 1982

PAGE 1

STATION	DATE	SPECIES	LIFE STAGE	NUMBER OF REPLICATES	CATCH/ EFFORT	LENGTH (CM)		N
						MEAN	S.D.	
016A	210982	DOLLY VARDEN	PARR	1	5.00	7.96	2.69	5
		DOLLY VARDEN	JUVENILE	1	1.00	24.40	0.00	1
		COHO (SILVER) SALMON	PARR	1	1.00	5.60	0.00	1
		SOCKEYE (RED) SALMON	PARR	1	1.00	5.40	0.00	1
		ROUND WHITE FISH	ADULT	1	3.00	32.87	8.43	3
		SLIMY SCULPIN	JUVENILE	1	62.00	5.69	0.70	62
		SLIMY SCULPIN	ADULT	1	24.00	7.68	0.69	24

TABLE 09 . CATCH PER UNIT EFFORT: ELECTROSHOCK/SEINE SAMPLES
OCTOBER, 1982

PAGE 1

STATION	DATE	SPECIES	LIFE STAGE	NUMBER OF REPLICATES	CATCH/ EFFORT	LENGTH (CM)		N
						MEAN	S.D.	
0005	151082	DOLLY VARDEN	JUVENILE	1	1.00	13.70	0.00	1
12.1	061082	DOLLY VARDEN	ADULT	1	132.00	40.00	3.69	130
		COHO (SILVER) SALMON	PARR	1	1.00	10.30	0.00	1
0023	181082	DOLLY VARDEN	PARR	1	1.00	7.30	0.00	1
		DOLLY VARDEN	ADULT	1	1.00	32.20	0.00	1
0024	181082	DOLLY VARDEN	PARR	1	8.00	9.30	0.81	8
		SLIMY SCULPIN	ADULT	1	1.00	8.80	0.00	1

TABLE 10 . CATCH PER UNIT EFFORT: OTHER SEINE SAMPLES
AUGUST, 1982

PAGE 1

STATION	DATE	SPECIES	LIFE STAGE	NUMBER OF REPLICATES	CATCH/ EFFORT	LENGTH (CM)		
						MEAN	S.D.	N
0001	260882	THREE-SPINE STICKLEBACK	JUVENILE	1	38.00	2.39	0.18	9
017L	210882	COHO (SILVER) SALMON	PARR	3	1.33	3.70	0.58	4
		SOCKEYE (RED) SALMON	PARR	3	6.33	3.83	0.47	19

TABLE 11 . CATCH PER UNIT EFFORT: OTHER SEINE SAMPLES
SEPTEMBER, 1982

PAGE 1

STATION	DATE	SPECIES	LIFE STAGE	NUMBER OF REPLICATES	CATCH/ EFFORT	LENGTH (CM)		
						MEAN	S.D.	N
0017	110982	DOLLY VARDEN	PARR	1	6.00	13.48	1.61	6
		DOLLY VARDEN	ADULT	1	1.00	30.60	0.00	1
		SOCKEYE (RED) SALMON	ADULT	1	25.00	56.29	7.26	25
		RAINBOW TROUT	JUVENILE	1	1.00	23.80	0.00	1
		CHUM SALMON	ADULT	1	2.00	69.00	0.28	2
	120982	SOCKEYE (RED) SALMON	ADULT	1	10.00	59.36	7.46	10
		CHUM SALMON	ADULT	1	5.00	69.34	2.82	5
	210982	DOLLY VARDEN	PARR	4	12.50	8.91	2.29	50
		DOLLY VARDEN	JUVENILE	4	0.25	17.40	0.00	1
		COHO (SILVER) SALMON	PARR	4	0.75	7.13	0.68	3
		PYGMY WHITE FISH	PARR	4	0.25	5.50	0.00	1
		PYGMY WHITE FISH	ADULT	4	0.25	10.10	0.00	1
		SOCKEYE (RED) SALMON	PARR	4	2.75	5.77	0.91	11
		CHINOOK (KING) SALMON	PARR	4	0.25	7.00	0.00	1
		SLIMY SCULPIN	ADULT	4	0.25	8.10	0.00	1

TABLE 12 . CATCH PER UNIT EFFORT: OTHER SEINE SAMPLES
OCTOBER, 1982

PAGE 1

STATION	DATE	SPECIES	LIFE STAGE	NUMBER OF REPLICATES	CATCH/ EFFORT	LENGTH (CM)		N
						MEAN	S.D.	
0004	101082	COHO (SILVER) SALMON	PARR	1	1.00	12.60	0.00	1
		PYGMY WHITE FISH	JUVENILE	1	8.00	8.99	0.34	8
		PYGMY WHITE FISH	ADULT	1	10.00	11.99	1.36	10
		SOCKEYE (RED) SALMON	PARR	1	2.00	6.80	1.84	2
		RAINBOW TROUT	JUVENILE	1	2.00	22.25	4.74	2
		ROUND WHITE FISH	PARR	1	3.00	8.30	0.69	3
		ROUND WHITE FISH	JUVENILE	1	2.00	8.60	0.28	2
	121082	PYGMY WHITE FISH	PARR	1	2.00	4.95	0.35	2
		PYGMY WHITE FISH	JUVENILE	1	10.00	9.41	0.54	10
		SOCKEYE (RED) SALMON	PARR	1	7.00	6.97	1.70	7
		ROUND WHITE FISH	PARR	1	3.00	7.83	2.12	3
		ROUND WHITE FISH	ADULT	1	2.00	8.35	0.07	2
	151082	DOLLY VARDEN	JUVENILE	1	1.00	15.50	0.00	1
		PYGMY WHITE FISH	JUVENILE	1	9.00	9.40	0.38	9
		SOCKEYE (RED) SALMON	PARR	1	2.00	7.95	1.63	2
		ROUND WHITE FISH	PARR	1	4.00	8.82	0.94	4
		ROUND WHITE FISH	JUVENILE	1	1.00	9.70	0.00	1
0006	101082	COHO (SILVER) SALMON	PARR	1	1.00	13.60	0.00	1
		ROUND WHITE FISH	JUVENILE	1	2.00	8.95	1.34	2
	151082	PYGMY WHITE FISH	PARR	1	3.00	4.50	0.30	3
		PYGMY WHITE FISH	JUVENILE	1	10.00	10.05	1.15	10
		PYGMY WHITE FISH	ADULT	1	2.00	12.70	0.28	2
		SOCKEYE (RED) SALMON	PARR	1	1.00	4.20	0.00	1
		ROUND WHITE FISH	JUVENILE	1	1.00	24.40	0.00	1
0011	131082	SOCKEYE (RED) SALMON	PARR	1	4.00	7.08	0.95	4
0017	051082	COHO (SILVER) SALMON	ADULT	1	19.00	66.28	5.54	19
	151082	COHO (SILVER) SALMON	ADULT	1	8.00	60.84	6.24	8
0018	171082	PYGMY WHITE FISH	ADULT	1	5.00	12.18	0.36	5
0020	171082	PYGMY WHITE FISH	JUVENILE	1	14.00	6.07	0.61	14
		PYGMY WHITE FISH	ADULT	1	3.00	11.23	0.60	3

TABLE 12 . CATCH PER UNIT EFFORT: OTHER SEINE SAMPLES
OCTOBER, 1982

PAGE 2

STATION	DATE	SPECIES	LIFE STAGE	NUMBER OF REPLICATES	CATCH/ EFFORT	LENGTH (CM)		
						MEAN	S.D.	N
0020	171082	SOCKEYE (RED) SALMON	PARR	1	5.00	5.32	0.79	5
		ROUND WHITE FISH	PARR	1	1.00	6.80	0.00	1
		ROUND WHITE FISH	JUVENILE	1	2.00	5.65	0.49	2
		ROUND WHITE FISH	ADULT	1	1.00	30.20	0.00	1
		SLIMY SCULPIN	JUVENILE	1	1.00	2.80	0.00	1
017R	171082	PYGMY WHITE FISH	ADULT	1	1.00	11.70	0.00	1

TABLE 13 . CATCH PER UNIT EFFORT: BEACH SEINE SAMPLES
AUGUST, 1982

PAGE 1

STATION	DATE	SPECIES	LIFE STAGE	NUMBER OF REPLICATES	CATCH/ EFFORT	LENGTH (CM)		
						MEAN	S.D.	N
0027	180882	SOCKEYE (RED) SALMON	PARR	3	11.00	5.98	1.41	33
		ROUND WHITE FISH	PARR	3	2.67	9.14	3.24	8
		ROUND WHITE FISH	JUVENILE	3	1.00	13.60	1.73	3
		SLIMY SCULPIN	JUVENILE	3	1.33	4.13	0.57	4
		LAKE TROUT	PARR	3	0.33	11.90	0.00	1

TABLE 14 . CATCH PER UNIT EFFORT: BEACH SEINE SAMPLES
SEPTEMBER, 1982

PAGE 1

STATION	DATE	SPECIES	LIFE STAGE	NUMBER OF REPLICATES	CATCH/ EFFORT	LENGTH (CM)		N
						MEAN	S.D.	
0003	220982	COHO (SILVER) SALMON	PARR	1	1.00	6.20	0.00	1
		PYGMY WHITE FISH	FRY	1	1.00	3.60	0.00	1
		PYGMY WHITE FISH	PARR	1	1.00	4.70	0.00	1
		ROUND WHITE FISH	PARR	1	1.00	4.90	0.00	1
		ROUND WHITE FISH	JUVENILE	1	3.00	12.43	1.96	3
		ROUND WHITE FISH	ADULT	1	1.00	13.10	0.00	1
		SLIMY SCULPIN	JUVENILE	1	1.00	5.60	0.00	1
	230982	DOLLY VARDEN	PARR	1	1.00	4.40	0.00	1
		DOLLY VARDEN	JUVENILE	1	1.00	25.90	0.00	1
		PYGMY WHITE FISH	PARR	1	1.00	4.50	0.00	1
		PYGMY WHITE FISH	JUVENILE	1	3.00	10.57	1.23	3
		RAINBOW TROUT	PARR	1	1.00	5.20	0.00	1
		ROUND WHITE FISH	JUVENILE	1	1.00	16.20	0.00	1
		SLIMY SCULPIN	JUVENILE	1	3.00	6.53	1.72	3
		SLIMY SCULPIN	ADULT	1	1.00	11.50	0.00	1
0004	240982	PYGMY WHITE FISH	PARR	1	1.00	5.20	0.00	1
		PYGMY WHITE FISH	ADULT	1	1.00	11.90	0.00	1
		SOCKEYE (RED) SALMON	PARR	1	2.00	5.50	0.85	2
		ROUND WHITE FISH	JUVENILE	1	1.00	9.60	0.00	1
		SLIMY SCULPIN	JUVENILE	1	1.00	4.30	0.00	1
0006	220982	DOLLY VARDEN	PARR	1	2.00	7.75	4.03	2
		COHO (SILVER) SALMON	PARR	1	2.00	6.35	1.20	2
		PYGMY WHITE FISH	PARR	1	5.00	5.22	0.45	5
		PYGMY WHITE FISH	JUVENILE	1	1.00	8.80	0.00	1
		PYGMY WHITE FISH	ADULT	1	2.00	11.90	2.97	2
		SOCKEYE (RED) SALMON	PARR	1	2.00	7.25	0.21	2
		ROUND WHITE FISH	PARR	1	6.00	7.88	1.50	6
		ROUND WHITE FISH	JUVENILE	1	3.00	10.83	3.31	3
		SLIMY SCULPIN	JUVENILE	1	3.00	5.77	1.15	3
	240982	COHO (SILVER) SALMON	PARR	1	3.00	5.77	0.57	3
		PYGMY WHITE FISH	PARR	1	3.00	4.83	0.51	3
		PYGMY WHITE FISH	ADULT	1	1.00	12.60	0.00	1
		SOCKEYE (RED) SALMON	PARR	1	1.00	6.60	0.00	1
		ROUND WHITE FISH	PARR	1	1.00	4.90	0.00	1
		ROUND WHITE FISH	JUVENILE	1	3.00	10.27	2.01	3
		SLIMY SCULPIN	JUVENILE	1	1.00	5.20	0.00	1

TABLE 14 . CATCH PER UNIT EFFORT: BEACH SEINE SAMPLES
SEPTEMBER, 1982

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STATION	DATE	SPECIES	LIFE STAGE	NUMBER OF REPLICATES	CATCH/ EFFORT	LENGTH (CM)		
						MEAN	S.D.	N
001D	300982	DOLLY VARDEN	PARR	1	1.00	5.20	0.00	1
		COHO (SILVER) SALMON	PARR	1	2.00	6.15	0.07	2
		PYGMY WHITE FISH	PARR	1	5.00	5.06	0.86	5
		SOCKEYE (RED) SALMON	PARR	1	13.00	7.01	1.05	13
		ROUND WHITE FISH	PARR	1	7.00	6.11	0.85	7
		BERING CISCO	ADULT	1	1.00	28.00	0.00	1

TABLE 15 . CATCH PER UNIT EFFORT: BEACH SEINE SAMPLES
OCTOBER, 1982

PAGE 1

STATION	DATE	SPECIES	LIFE STAGE	NUMBER OF REPLICATES	CATCH/ EFFORT	LENGTH (CM)		N
						MEAN	S.D.	
0006	091082	COHO (SILVER) SALMON	PARR	1	1.00	13.30	0.00	1
		PYGMY WHITE FISH	JUVENILE	1	3.00	9.43	0.64	3
0011	031082	COHO (SILVER) SALMON	PARR	1	2.00	9.95	4.74	2
		CHINOOK (KING) SALMON	PARR	1	3.00	10.83	2.45	3
		ROUND WHITE FISH	PARR	1	1.00	5.30	0.00	1
		ROUND WHITE FISH	JUVENILE	1	1.00	9.60	0.00	1
	081082	COHO (SILVER) SALMON	PARR	1	1.00	13.90	0.00	1
001D	081082	PYGMY WHITE FISH	PARR	1	1.00	4.90	0.00	1
		SOCKEYE (RED) SALMON	PARR	1	5.00	6.00	0.56	5
		ROUND WHITE FISH	PARR	1	2.00	4.95	1.91	2
		NINE-SPINE STICKLEBACK	JUVENILE	1	2.00	4.25	1.20	2
		THREE-SPINE STICKLEBACK	JUVENILE	1	1.00	2.60	0.00	1
	091082	PYGMY WHITE FISH	PARR	1	3.00	4.53	0.81	3
		SOCKEYE (RED) SALMON	PARR	1	4.00	5.32	0.35	4
		ROUND WHITE FISH	PARR	1	3.00	5.60	0.70	3

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