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ANNUAL REPORT  
IRON GATE SALMON AND STEELHEAD HATCHERY  
1975-76

by

Eugene E. Arnold  
Region 1, Inland Fisheries

Anadromous Fisheries Branch  
Administrative Report No. 77-10

1977

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ABSTRACT

This report describes the operation of the hatchery from July 1, 1975 through June 30, 1976. Tables present daily records of water temperatures and weather conditions, daily numbers of salmonids entering the hatchery, and total numbers of salmonids reared and released.

Fifty-three spring-run and 11,127 fall-run adult king salmon (Oncorhynchus tshawytscha) produced 22,406 and 13,126,215 eggs respectively. The 82 adult silver salmon produced 90,569 eggs. The 1,523 steelhead (Salmo gairdnerii) produced 1,676,536 eggs.

About 6.8 million fingerling and 216,000 yearling king salmon, 110,000 yearling silver salmon, and 433,000 fingerling and 451,000 yearling steelhead were planted in F.Y. 1975-76.

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<sup>1/</sup> Anadromous Fisheries Branch Administrative Report No. 77-10.  
Submitted July 1976.

INTRODUCTION

This report covers the fifteenth year of operation of the trapping facilities at Iron Gate. These facilities were completed by the Pacific Power and Light Company in February 1962, and have been operated by the Department of Fish and Game during the spring and fall of each year.

The hatchery was constructed by the Pacific Power and Light Company to compensate for spawning and nursery areas blocked by the Iron Gate Project. This is the eleventh report since the hatchery was completed in February 1966. The Department of Fish and Game, under agreement with the Pacific Power and Light Company, began operation of the hatchery in March 1966. The trapping facilities and hatchery are located on the Klamath River eight miles east of the town of Hornbrook, Siskiyou County.

The report summarizes the numbers of fish trapped and spawned, production of eggs and fish, and water and weather conditions from July 1, 1975 through June 30, 1976.

PRODUCTION SUMMARY

The first spring-run king salmon arrived at the Iron Gate trapping facilities on July 2, 1975, and the last on August 18, 1975.

Fall-run king salmon were taken from September 1, 1975 until November 6, 1975. Silver salmon started entering the trap October 8, 1975 and continued until January 5, 1976. Steelhead trout were trapped from September 22, 1975 to April 22, 1976 when the trap was closed for yearly maintenance (Figure 1).

Production data are summarized in Table 1.

Table 1. Production Summary

	Adults trapped	Females spawned	Number eggs taken	Estimated number fingerlings planted	Estimated number yearlings planted	Total weight pounds planted	Fish on hand June 30, 1976
King salmon, spring run							
1974 BY					16,449	3,289	
1975 BY	25	8	22,406				12,000
King salmon, fall run							
1974 BY					200,000	30,720	
1975 BY	7,702	3,884	13,126,215	6,800,000		71,626	200,000
Silver salmon							
1974 BY					110,000	8,461	
1975 BY	82	32	90,569				100,000
Steelhead							
1975 BY				432,600	451,423	47,261	
1976 BY	1,523	771	1,676,536				696,000

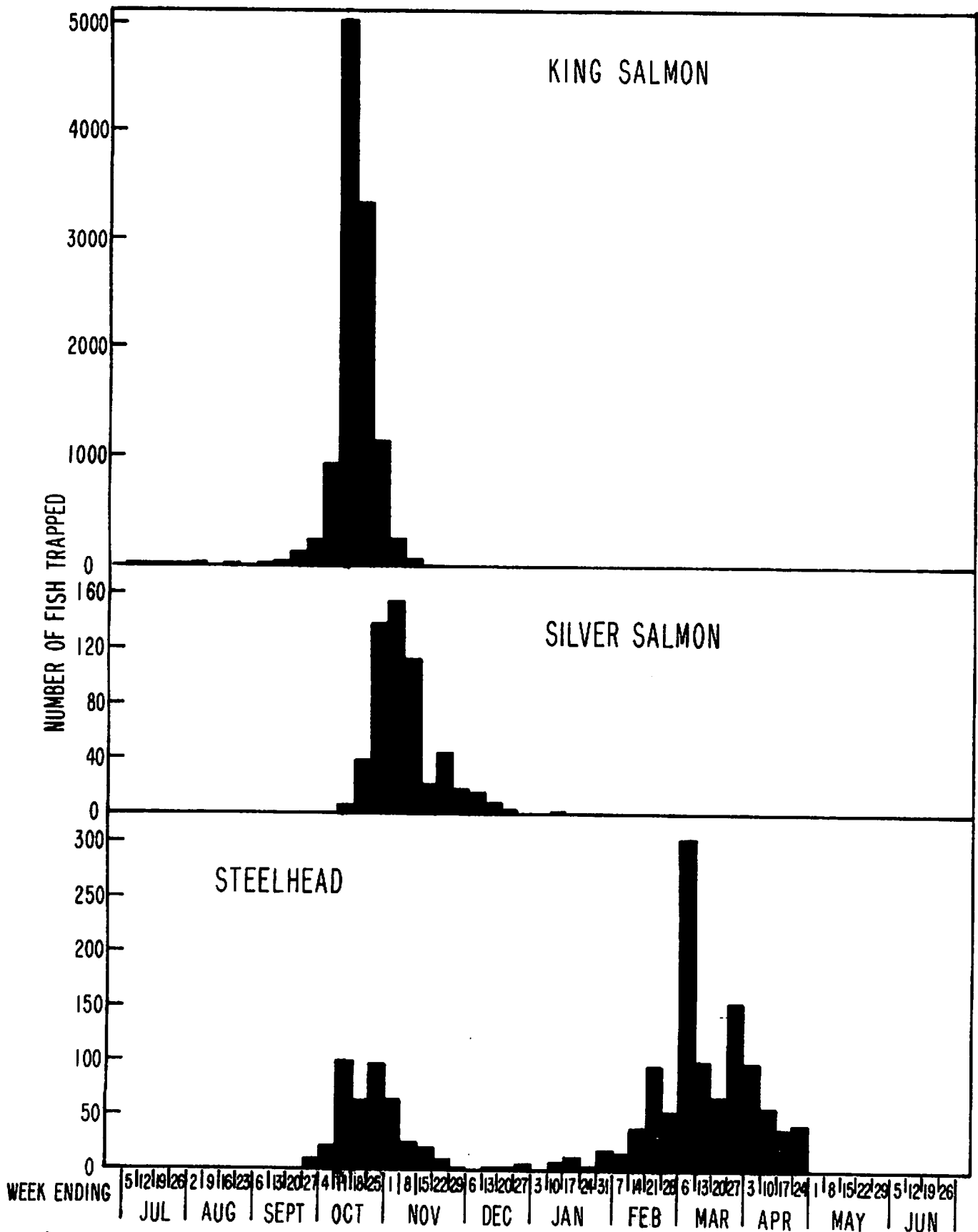


Figure 1. Weekly numbers of king salmon, silver salmon and steelhead trapped at Iron Gate Hatchery, July 1, 1975 through June 30, 1976.

## KING SALMON MAINTENANCE PROGRAM

### History of the 1974-75 Runs

#### Spring Run, 1975 Brood Year

Between July 2, 1975 and August 18, 1975, 53 1975 broodyear spring-run king salmon were trapped. Twenty-eight of these were grilse, and 25 were adults which were held until the fall of 1975 for spawning.

Eight spring-run females were spawned. They produced 22,406 eggs for an average of 2,800 eggs/female. Five lots of eggs were taken. The average fertility of these eggs was 83%. We had approximately 12,000 fingerlings on hand June 30, 1976. All were to be held for release as yearlings.

#### Fall Run, 1975 Brood Year

A total of 11,127 fall-run king salmon was trapped: 3,131 males, 4,571 females, and 3,425 grilse. There were 3,884 fall-run king salmon females spawned, producing 13,126,215 eggs for an average of 3,379 eggs/female. Prespawning mortality was 687 females (15%). Seventeen lots of eggs were taken from fall-run fish. The average fertility of the fall-run eggs was 77%.

#### Planting 1974-75 Broodyear King Salmon

There were 216,449 yearlings planted from November 21 to December 18, 1975, and 6,800,000 fingerlings planted from May 26 to June 11, 1976 (Table 2). Size at planting ranged from 5 to 7/lb for the yearlings and 90 to 161/lb for the fingerlings. An additional 200,000 fingerlings were held for planting in spring, 1977.

#### Marked King Salmon Recovered

During Fiscal Year 1975-76 34 marked king salmon were trapped (Table 3). All were Iron Gate marks.

Table 2. King Salmon Planting Data

Race and Brood Year	Date released	Average size (no./lb)	Number released	Release site
Spring run, 1974 BY	12/18/75	6	16,449	Fish ladder-marked LV
Fall run, 1974 BY	11/21/75	6.7	100,000	Hatchery outlet
	12/10/75	7	21,000	Confluence of So. Russian Creek & Salmon River
	12/11/75	6.8	17,680	"
	12/15/75	7	18,900	So. Fork Salmon River 5 miles above Long Gulch
	12/15/75	7	17,500	N. Fork Russian Creek
	12/16/75	5	24,920	Hatchery outlet
<b>Total yearlings</b>			<b>216,449</b>	
Fall run, 1975 BY	5/26/76	90	1,220,000	Hatchery outlet
	6/ 1/76	100	900,000	" "
	6/ 1/76	161	425,000	" "
	6/ 1/76	155	375,000	" "
	6/ 1/76	92	381,000	" "
	6/ 8/76	90	3,000,000	" "
	6/11/76	90	499,000	" "
<b>Total fingerlings</b>			<b>6,800,000</b>	

Table 3. Marked King Salmon Recovered

Mark	Number trapped	Brood year	Race	Number released	Date released	Average size at release	Release site
RV	18	1972	Spring run	18,000	11/ 8/73	7.9/lb	Hatchery outlet
LV	16	1972	Spring run	18,000	2/27/73	9.8/lb	Hatchery outlet

## SILVER SALMON MAINTENANCE PROGRAM

### History of the 1975 Run

The first silver salmon entered the trap October 8, 1975 and the last January 5, 1976. A total of 560 was trapped: 37 females, 45 males, and 478 grilse. Spawning of 32 females produced 90,569 eggs for an average of 2,830 eggs/female. Egg loss was fairly high, 52%, primarily due to white spot and soft-shell. We received 72,400 eyed eggs from Trinity River Hatchery. Approximately 100,000 fingerlings remained on hand June 30, 1976. All were held for release as yearlings in spring, 1977.

### Planting 1974 Broodyear Silver Salmon

There were 110,000 silver salmon planted during the 1974-76 season (Table 4).

Table 4. Silver Salmon Planting Data

Date	Average size	Number	Hatchery site
11/17/75	13/1b	110,000	Hatchery outlet

## STEELHEAD TROUT MAINTENANCE PROGRAM

### History of the 1975-76 Run

Between September 22, 1975 to December 31, 197~~5~~<sup>6</sup>, 423 adult steelhead entered the trap and were placed in the holding ponds to await spawning in the spring. An additional 1,100 adult steelhead were trapped in the spring between January 5, 1976 and April 22, 1976. For the eighth consecutive year, these two groups were held and spawned separately. The 177 females spawned from the fall-trapped group produced 379,249 eggs, an average of 2,142 eggs per female while the 594 females from the spring-trapped group produced 1,297,287 eggs for an average of 2,183 eggs/female. This made a total of 1,676,536 steelhead eggs, from 771 females, for the season. We had approximately 696,000 broodyear steelhead fingerlings on hand June 30, 1976.

### Marked Steelhead Trapped

A total of 11 marked steelhead was trapped this season (Table 5). Of these five had been reared at Iron Gate Hatchery.

Table 5. Marked Steelhead Trapped

Mark	Number trapped	Brood year	Number released	Date released	Average size at release	Release site
LP	1					
RP	2	1969	2,285	3/19/70	15/1b	Foots Creek-Rogue River, Oregon
LV	3					
LV-freeze	1	1972	2,000	5/ 1/73	15/1b	Iron Gate Hatchery
RV-freeze	3	1972	2,000	4/25/76	20/1b	Iron Gate Hatchery
RV-LV	1					Iron Gate Hatchery

Planting 1975 Broodyear Steelhead

There were 884,023 1975 broodyear steelhead planted: 432,600 fingerlings from August 20, 1975 to January 28, 1976, and 451,423 yearlings from April 28, 1976 to June 13, 1976 (Table 6).

Table 6. Steelhead Planting Data

Date	Brood year	Average size (no./lb)	Number	Release site
8/20/75	1975	300	300,000	Hatchery outlet
1/26/76	1975	61	39,650	Mouth Fall Cr.-Iron Gate Lake
1/26/76	1975	61	24,400	Jenny Cr. Bridge-Iron Gate Lake
1/26/76	1975	61	33,550	Long Gulch Ramp-Iron Gate Lake
1/28/76	1975	70	35,000	Mallard Cove-Copco Lake
<b>Total fingerlings</b>			<b>432,600</b>	
4/28/76	1975	10.3	15,347	Fish ladder
4/28/76	1975	10.2	14,076	Fish ladder
5/ 5/76	1975	10	79,000	Fish ladder
5/ 7/76	1975	10	109,000	Hatchery outlet
5/13/76	1975	10	134,000	Fish ladder
5/13/76	1975	11	100,000	Fish ladder
<b>Total yearlings</b>			<b>451,423</b>	

PUBLIC RELATIONS

During 1975-76 fiscal year, 7,067 people visited the hatchery, including 382 people in organized groups.



Appendix Table 1

Yearly Comparison of Fish Trapped at Iron Gate Salmon and Steelhead Hatchery  
July 1, 1966 through June 30, 1976

Species	7/1/66 through 6/30/67	7/1/67 through 6/30/68	7/1/68 through 6/30/69	7/1/69 through 6/30/70	7/1/70 through 6/30/71	7/1/71 through 6/30/72	7/1/72 through 6/30/73	7/1/73 through 6/30/74	7/1/74 through 6/30/75	7/1/75 through 6/30/76
<u>King salmon</u>										
Male	1,129	850	972	539	2,889	4,413	1,126	3,273	4,024	3,131
Female	1,610	1,275	1,714	474	7,395	6,033	1,919	4,135	5,371	4,571
Unsexed spring run	-	-	-	-	-	80	155	22	19	25
Total adults	2,739	2,125	2,686	1,013	10,284	10,526	3,200	7,430	9,414	7,727
Grilse	325	562	78	1,917	219	315	484	1,299	418	3,453
<b>Total</b>	<b>3,064</b>	<b>2,687</b>	<b>2,764</b>	<b>2,930</b>	<b>10,503</b>	<b>10,841</b>	<b>3,684</b>	<b>8,729</b>	<b>9,832</b>	<b>11,180</b>
<u>Silver salmon</u>										
Male	2	27	14	84	716	74	38	201	193	45
Female	2	24	10	118	671	52	18	212	263	37
Total adults	4	51	24	202	1,387	125	56	413	456	82
Grilse	0	28	333	749	236	21	35	428	41	478
<b>Total</b>	<b>4</b>	<b>79</b>	<b>357</b>	<b>951</b>	<b>1,623</b>	<b>146</b>	<b>91</b>	<b>841</b>	<b>497</b>	<b>560</b>
<u>Steelhead</u>										
Spring trap	-	-	-	813	2,073	3,583	1,060	665	2,165	1,100
Fall trap	-	-	-	381	292	174	226	1,200	1,062	423
Total adults	299	984	370	1,194	2,365	2,757	1,286	1,865	3,227	1,523

Appendix Table 2

Iron Gate Salmon and Steelhead Hatchery  
 Weather, Water, and Fish Data  
 July 1, 1975, through June 30, 1976

July	Temperature (Degree F)				Weather	Fish Trapped					
	Water		Air			King Salmon		Silver Salmon		Steelhead Trout	
	Maximum	Minimum	Maximum	Minimum		Adults	Grilse	Adults	Grilse		
1	51	49	78	50	cloudy						
2	53	50	72	40	clear		2				
3	52	49	85	42	pty cloudy						
4	52	49	90	48	clear						
5	51	50	88	49	clear						
6	52	50	92	55	clear						
7	52	50	91	46	clear				1		
8	52	50	94	50	clear	5			2		
9	53	50	99	54	clear	2			1		
10	52	49	94	59	clear	1					
11	52	49	94	59	clear	1					
12	50	49	82	59	pty cloudy						
13	52	48	87	49	clear						
14	53	49	85	51	rain						
15	53	50	73	58	rain	1					
16	52	50	83	54	pty cloudy						
17	53	50	85	52	clear						
18	53	50	86	51	clear						
19	52	50	90	55	clear						
20	53	49	92	54	clear						
21	53	51	89	57	clear						
22	54	50	93	52	clear						
23	53	50	96	54	clear	1			1		
24	53	50	97	55	clear						
25	54	50	98	52	clear						
26	52	50	101	55	clear						
27	52	51	96	55	clear						
28	53	50	88	58	clear	7			16		
29	54	50	64	54	pty cloudy	1			3		
30	54	52	70	38	clear						
31	55	52	75	38	clear						
<b>TOTALS</b>						<b>19</b>	<b>26</b>				

Appendix Table 2 (cont.)

August	Temperature (Degree F)				Weather	Fish Trapped				
	Water		Air			King Salmon		Silver Salmon		Steelhead Trout
	Maximum	Minimum	Maximum	Minimum		Adults	Grilse	Adults	Grilse	
1	52	50	81	50	clear					
2	52	51	94	50	clear					
3	54	51	94	51	clear					
4	54	52	94	52	clear					
5	54	51	90	53	clear					
6	53	51	79	48	rain					
7	54	52	82	40	clear					
8	54	53	83	44	clear					
9	54	51	91	49	clear					
10	54	53	90	50	clear					
11	54	52	91	41	clear					
12	54	52	91	51	clear					
13	54	52	87	47	clear					
14	54	53	87	48	clear					
15	54	52	84	43	clear	4	2			
16	54	53	86	50	clear					
17	54	53	75	56	rain					
18	54	52	72	55	overcast					
19	54	53	72	42	pty cloudy	1				
20	55	53	80	43	pty cloudy					
21	54	53	84	45	clear					
22	54	53	84	48	pty cloudy					
23	54	53	81	59	cloudy					
24	55	53	85	44	clear					
25	54	53	88	43	clear					
26	54	53	83	53	overcast					
27	55	53	78	49	overcast					
28	55	53	71	43	pty cloudy					
29	55	53	76	38	clear					
30	54	53	70	40	cloudy					
31	55	53	76	38	clear					
<b>TOTALS</b>						<b>5</b>	<b>2</b>			

Appendix Table 2 (cont.)

September	Temperature (Degree F)				Weather	Fish Trapped				
	Water		Air			King Salmon		Silver Salmon		Steelhead
	Maximum	Minimum	Maximum	Minimum		Adults	Grilse	Adults	Grilse	Trout
1	55	54	74	38	clear	1				
2	54	54	80	41	clear					
3	55	54	88	42	clear					
4	54	53	90	50	clear					
5	55	54	95	42	clear					
6	54	54	95	46	clear					
7	55	53	90	43	clear	2	1			
8	56	54	94	44	clear					
9	55	54	87	49	cloudy					
10	55	54	90	54	clear					
11	56	54	89	50	clear	3	2			
12	55	55	92	50	clear	4				
13	55	55	95	55	pty cloudy	5	2			
14	56	54	85	48	clear	5	5			
15	55	54	87	44	clear	13	13			
16	56	55	34	46	clear	12	9			
17	56	55	84	42	clear	13	10			
18	55	55	32	38	clear	7	10			
19	56	55	85	42	clear	19	18			
20	56	55	88	44	clear					
21	56	54	85	56	clear					
22	57	55	88	40	clear	51	17			3
23	57	55	82	44	clear	17	7			
24	58	57	86	40	clear	20	14			2
25	57	57	83	41	clear	21	10			1
26	57	57	90	41	clear	32	16			3
27	58	55	88	41	clear	36	3			1
28	58	55	82	42	clear	40	15			
29	58	57	85	38	clear	56	20			2
30	58	57	81	39	clear	66	37			2
<b>TOTALS</b>						<b>423</b>	<b>209</b>			<b>14</b>

Appendix Table 2 (cont.)

October	Temperature (Degree F)				Weather	Fish Trapped				
	Water		Air			King Salmon		Silver Salmon		Steelhead
	Maximum	Minimum	Maximum	Minimum		Adults	Grilse	Adults	Grilse	Trout
1	56	55	88	40	clear	90	52			2
2	58	55	80	49	cloudy	172	74			5
3	59	56	77	47	cloudy	93	49			8
4	59	57	80	48	clear	118	48			3
5	59	57	80	40	clear	295	104			9
6	60	58	70	48	rain	993	467			10
7	59	57	58	37	cloudy	490	294			9
8	59	58	56	39	cloudy	568	342		2	14
9	59	55	55	40	cloudy	480	231		2	7
10	61	59	60	36	cloudy	530	219		2	51
11	60	59	64	32	cloudy					
12	60	59	60	39	cloudy	924	297		1	24
13	59	59	62	41	cloudy	502	222		4	13
14	59	59	68	29	clear	473	145		10	5
15	59	57	68	30	clear	377	122	1	7	7
16	58	58	73	32	clear	100	62	3	6	13
17	57	58	68	34	cloudy	118	50		7	1
18	57	55	68	42	rain					
19	56	55	71	34	clear					
20	56	55	70	38	clear					
21	56	56	59	37	rain	349	145	12	60	31
22	56	55	50	32	cloudy	247	88	2	30	41
23	55	55	49	32	cloudy	149	98	3	18	19
24	55	54	54	28	cloudy	50	23	2	11	7
25	54	53	54	28	pty cloudy					
26	53	53	45	35	rain					
27	53	53	50	36	rain	111	40	13	44	18
28	53	53	50	32	rain	19	11		36	14
29	52	51	52	30	pty cloudy					
30	52	51	60	29	clear					
31	52	52	50	40	pty cloudy					
31	51	51	60	25	clear	19	22	13	48	32
<b>TOTALS</b>						<b>7,267</b>	<b>3,205</b>	<b>49</b>	<b>288</b>	<b>343</b>

Appendix Table 2 ( cont. )

November	Temperature (Degree F)				Weather	Fish Trapped				
	Water		Air			King Salmon		Silver Salmon		Steelhead
	Maximum	Minimum	Maximum	Minimum		Adults	Grilse	Adults	Grilse	Trout
1	50	49	61	26	clear					
2	50	49	63	34	overcast					
3	49	48	66	35	clear					
4	49	48	70	32	clear	7	10	7	80	20
5	49	48	51	31	cloudy					
6	48	48	54	38	cloudy	5	2	3	22	5
7	48	48	54	41	cloudy					
8	48	48	49	26	pty cloudy					
9	48	48	42	23	rain					
10	48	48	44	35	rain					
11	48	48	48	24	clear					
12	48	47	50	20	clear			7	14	19
13	47	46	57	22	pty cloudy					
14	47	46	56	33	rain					
15	46	46	53	40	rain					
16	46	46	45	24	showers					
17	46	45	39	18	overcast					
18	45	45	41	20	clear					
19	45	45	40	20	overcast			8	37	10
20	45	44	39	31	overcast					
21	44	43	46	22	clear					
22	43	43	48	23	cloudy					
23	43	42	45	26	pty cloudy					
24	42	42	42	29	overcast					
25	42	42	38	31	overcast					
26	42	41	51	30	rain			4	13	2
27	41	41	47	30	cloudy					
28	41	40	36	29	cloudy					
29	40	40	40	24	cloudy					
30	40	40	44	32	rain					
<b>TOTALS</b>						12	12	29	166	56

Appendix Table 2 (cont.)

December	Temperature (Degree F)				Weather	Fish Trapped				
	Water		Air			King Salmon		Silver Salmon		Steelhead
	Maximum	Minimum	Maximum	Minimum		Adults	Grilse	Adults	Grilse	Trout
1	40	39	55	37	clear					
2	40	39	46	32	overcast					
3	40	39	40	35	overcast			3	13	
4	39	39	40	35	rain					
5	39	39	44	36	rain					
6	39	38	54	38	pty cloudy					
7	39	38	46	31	cloudy					
8	38	38	40	36	overcast					
9	39	39	43	33	overcast					
10	39	39	36	30	overcast				8	2
11	39	39	34	30	snow					
12	39	39	33	30	cloudy					
13	39	39	38	26	cloudy					
14	39	38	40	19	clear					
15	38	38	49	17	clear					
16	38	38	40	32	overcast					
17	39	39	46	35	overcast			1	2	3
18	39	39	39	20	overcast					
19	39	39	33	20	pty cloudy					
20	39	38	44	15	fog-clear					
21	39	39	46	20	showers					
22	39	39	47	27	clear					
23	39	39	37	32	overcast					
24	39	39	42	33	overcast					5
25	39	39	38	35	overcast					
26	39	39	54	33	cloudy					
27	39	39	50	27	pty cloudy					
28	39	38	49	36	cloudy					
29	39	38	43	40	cloudy					
30	38	38	32	27	snow					
31	38	38	35	28	pty cloudy					
<b>TOTALS</b>								4	23	10

Appendix Table 2 (cont.)

January	Temperature (Degree F)				Weather	Fish Trapped				
	Water		Air			King Salmon		Silver Salmon		Steelhead
	Maximum	Minimum	Maximum	Minimum		Adults	Grilse	Adults	Grilse	Trout
1	38	38	40	20	clear					
2	38	38	43	13	clear					
3	38	38	38	24	snow					
4	39	38	36	30	snow					
5	39	39	45	32	pty cloudy				1	7
6	39	39	43	27	pty cloudy					
7	39	39	46	32	cloudy					
8	39	39	40	37	rain					
9	39	38	40	30	pty cloudy					
10	38	38	40	20	cloudy					
11	38	38	42	29	rain					
12	38	38	63	32	rain					
13	39	38	42	30	cloudy					
14	39	38	46	34	cloudy					
15	38	38	47	32	cloudy					
16	38	38	44	36	cloudy					
17	38	38	42	32	fog					13
18	38	38	49	30	clear					
19	39	38	50	20	clear					4
20	39	38	49	19	clear					
21	39	37	50	20	clear					
22	39	38	50	18	clear					
23	38	38	52	35	clear					
24	38	38	48	24	clear					
25	38	38	41	14	clear					
26	38	38	42	25	clear					
27	39	38	48	23	clear					19
28	39	38	51	20	clear					
29	39	36	46	20	clear					
30	39	33	58	20	clear					
31	39	36	56	19	clear					
<b>TOTALS</b>									1	43



Appendix Table 2 (cont.)

February	Temperature (Degree F)				Weather	Fish Trapped			Steelhead Trout
	Water		Air			King Salmon	Silver Salmon	Grilse	
	Maximum	Minimum	Maximum	Minimum		Adults	Adults		
1	38	38	58	24	clear				
2	39	38	58	19	clear				
3	39	38	57	20	clear				
4	39	39	34	19	clear				
5	39	38	35	18	clear				15
6	39	38	49	19	clear				
7	38	38	56	22	clear				
8	39	38	54	18	clear				
9	38	38	44	20	clear				
10	39	38	50	12	clear				
11	39	39	53	15	clear				39
12	39	38	60	28	clear				
13	39	39	50	33	rain				
14	39	39	48	24	rain				
15	39	39	44	31	rain				
16	39	38	51	34	rain				
17	39	39	52	31	rain				
18	39	39	49	25	clear				72
19	39	39	42	21	clear				15
20	39	39	42	21	snow				8
21	39	38	49	21	clear				
22	39	33	55	19	pty cloudy				
23	39	38	58	26	clear				
24	39	38	54	25	pty cloudy				
25	39	39	50	22	pty cloudy				
26	39	39	50	38	rain				54
27	39	39	53	40	showers				
28	40	39	40	31	windy-rain				
29	40	40	43	32	cloudy				
	40	40	40	30	snow				

TOTALS

Appendix Table 2 (cont.)

March	Temperature (Degree F)				Weather	Fish Trapped			Steelhead Trout
	Water		Air			King Salmon		Silver Salmon	
	Maximum	Minimum	Maximum	Minimum		Adults	Grilse	Adults	
1	41	40	40	20	cloudy				259
2	41	40	40	18	cloudy				2
3	41	41	40	20	clear				
4	41	40	45	24	clear				
5	41	40	48	15	clear				
6	41	40	54	17	clear				42
7	41	40	46	19	rain				
8	41	40	56	28	clear				18
9	41	41	54	22	clear				12
10	41	41	54	24	clear				
11	41	41	50	26	clear				
12	41	40	50	17	clear				55
13	41	41	54	23	cloudy				14
14	41	41	64	35	clear				7
15	42	41	68	25	pty cloudy				
16	41	41	38	20	cloudy				24
17	41	41	58	42	pty cloudy				
18	41	41	48	40	rain-snow				
19	41	41	42	20	snow				35
20	43	41	42	24	clear				
21	42	42	66	22	clear				
22	42	41	55	30	cloudy				
23	42	42	51	22	cloudy				7
24	43	42	49	41	rain				46
25	44	43	51	21	clear				48
26	45	43	47	28	cloudy				51
27	44	42	48	24	cloudy				
28	46	41	49	36	cloudy				66
29	46	42	62	22	clear				
30	44	43	69	27	clear				33
31	45	45	38	30	snow				
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Appendix Table 2 (cont.)

April	Temperature (Degree F)				Weather	Fish Trapped				
	Water		Air			King Salmon		Silver Salmon		Steelhead Trout
	Maximum	Minimum	Maximum	Minimum		Adults	Grilse	Adults	Grilse	
1	45	44	44	22	clear					
2	45	43	62	18	clear					
3	45	44	68	26	clear					
4	45	53	76	28	clear					
5	45	43	60	33	cloudy					
6	46	43	59	40	cloudy					41
7	45	43	59	36	rain					
8	46	46	55	36	cloudy					16
9	46	44	54	27	cloudy					
10	47	44	52	37	cloudy					
11	47	46	54	30	pty cloudy					
12	47	47	49	25	cloudy					
13	48	46	56	23	clear					37
14	47	46	65	25	clear					
15	48	47	44	31	cloudy					
16	48	46	52	32	pty cloudy					
17	48	45	50	28	cloudy					
18	48	46	55	27	clear					
19	47	46	67	30	clear					
20	48	47	61	38	cloudy					
21	48	47	61	31	cloudy					41
22	48	47	60	41	rain					
23	47	47	70	28	rain					
24	48	47	62	38	pty cloudy					
25	48	45	50	32	pty cloudy					
26	47	46	54	25	clear					
27	47	46	62	32	clear					
28	47	46	66	29	pty cloudy					
29	48	47	73	31	clear					
30	48	47	75	34	clear					

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Appendix Table 2 (cont.)

May	Temperature (Degree F)				Weather	Fish Trapped				
	Water		Air			King Salmon		Silver Salmon		Steelhead Trout
	Maximum	Minimum	Maximum	Minimum		Adults	Grilse	Adults	Grilse	
1	48	46	80	36	clear					
2	49	47	68	33	clear					
3	48	48	69	32	clear					
4	48	48	59	38	cloudy					
5	48	47	62	38	pty cloudy					
6	49	46	70	30	clear					
7	48	46	82	38	clear					
8	47	47	80	40	clear					
9	48	46	81	40	clear					
10	47	47	74	48	cloudy					
11	48	47	76	32	clear					
12	48	47	86	37	clear					
13	48	47	87	44	clear					
14	49	48	70	43	clear					
15	48	46	82	47	clear					
16	49	46	80	40	clear					
17	48	46	68	30	clear					
18	48	47	74	35	clear					
19	48	48	60	34	clear					
20	48	47	71	30	clear					
21	48	47	80	34	clear					
22	48	47	81	33	clear					
23	48	47	80	41	clear					
24	48	48	71	40	clear					
25	48	47	70	40	cloudy					
26	49	47	86	38	clear					
27	46	47	70	42	pty cloudy					
28	50	47	61	30	clear					
29	48	47	70	32	cloudy					
30	48	48	60	50	cloudy					
31	48	48	61	41	pty cloudy					
<b>TOTALS</b>										

Appendix Table 2 (cont.)

June	Temperature (Degree F)				Weather	Fish Trapped		
	Water		Air			King Salmon	Silver Salmon	Steelhead
	Maximum	Minimum	Maximum	Minimum		Adults	Grilse	Trout
1	49	48	64	33	clear			
2	49	47	67	31	clear			
3	49	47	60	40	clear			
4	49	48	72	30	clear			
5	49	47	74	38	clear			
6	49	47	78	40	clear			
7	49	48	74	38	clear			
8	49	48	74	38	clear			
9	49	48	63	44	rain			
10	49	48	77	48	cloudy			
11	49	48	70	42	cloudy			
12	48	48	74	50	cloudy			
13	49	47	73	34	clear			
14	49	48	81	38	clear			
15	49	48	86	42	clear			
16	50	48	76	44	clear			
17	50	48	84	50	clear			
18	49	48	94	46	clear			
19	49	48	86	48	clear			
20	50	48	83	46	rain-cloudy			
21	50	49	73	46	clear			
22	51	48	73	38	clear			
23	50	48	75	39	clear			
24	50	47	80	44	clear			
25	51	48	74	46	clear			
26	51	48	86	34	clear			
27	50	48	93	42	clear			
28	50	48	93	44	clear			
29	51	48	79	48	pty cloudy			
30	50	49	65	48	cloudy			

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**TOTALS**