ADF&G TECHNICAL DATA REPORT NO. 52
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STATE OF ALASKA
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PRINCE WILLIAM SOUND GENERAL DISTRICTS 1977 BROOD YEAR PINK (*Oncorhynchus gorbuscha*) AND CHUM SALMON (*O. keta*) AERIAL AND GROUND ESCAPEMENT SURVEYS AND CONSEQUENT EGG DEPOSITION AND PRE-EMERGENT FRY INDEX PROGRAMS

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1980

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ADF&G TECHNICAL DATA REPORTS

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Data presented in these reports is intended to be final, however, some revisions may occasionally be necessary. Minor revision will be made via errata sheets. Major revisions will be made in the form of revised reports.

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PREFACE

The intent of this data report is to consolidate, under one cover, Prince William Sound General District annual aerial and ground escapement estimates of pink salmon *(Oncorhynchus gorbuscha)* and chum salmon *(O. keta)* and the consequent egg deposition and pre-emergent fry index programs.

This is the second of the annual data report series on Prince William Sound pink and chum salmon spawning escapement, egg deposition, and pre-emergent fry index programs.

Historical pink and chum salmon spawning escapement data can be found in, "Historical Pink and Chum Salmon Estimated Spawning Escapements from Prince William Sound, Alaska Streams, 1960 - 1975". Historical pink and chum salmon egg deposition and pre-emergent fry data can be found in Prince William Sound Data Report series one to four. Copies of these data reports are located in the Cordova area office and the Anchorage regional office.

INTRODUCTION

This report will present, for the Prince William Sound general districts (Figure 1) pink and chum salmon data gathered on the 1977 adult return. The data, in tabular form, will consist of: 1) Aerial and ground escapement estimates; 2) Egg deposition studies, and 3) Pre-emergent fry studies.

It was felt, by the Cordova Department of Fish and Game Commercial Fisheries staff, that the incorporation of these three activities would provide a quick and easy reference for staff personnel and other interested persons.

The aerial and ground escapement surveys are by date, district, and stream. The egg deposition and pre-emergent fry studies are by date, stream, and stream sample zone.

Aerial and ground salmon escapement surveys have been conducted in the Sound since the mid-1920's. Egg deposition studies have been conducted since the early 1960's, while pre-emergent fry studies have been in existence since the late 1950's. It was not until Alaska statehood, however, that these programs became fixed and consistent factors in salmon resource management for Prince William Sound.

Past years' data is available at the Cordova area and Anchorage regional offices.

METHODS AND MATERIALS

See Alaska Department of Fish and Game Technical Data Report No. 51 for methods and materials used for aerial and ground escapement surveys and egg and pre-emergent fry studies.

RESULTS

Aerial and Ground Salmon Escapement Surveys

Weekly estimates from both aerial and ground counts, cumulative weekly total counts, and calculated season totals by stream and district are shown in Appendix A for pink salmon and in Appendix B for chum salmon.

District summaries by week, cumulative weekly totals by district, and calculated season total for Prince William Sound is given at the end of the district summaries for both pink and chum salmon.

Pink Salmon:

The estimated total escapement of 1,693,330 pink salmon in 1977 is 11.5% above the desired upper escapement range of 1.5 million and 26.2% above the desired minimum range of 1.25 million pink salmon for Prince William Sound

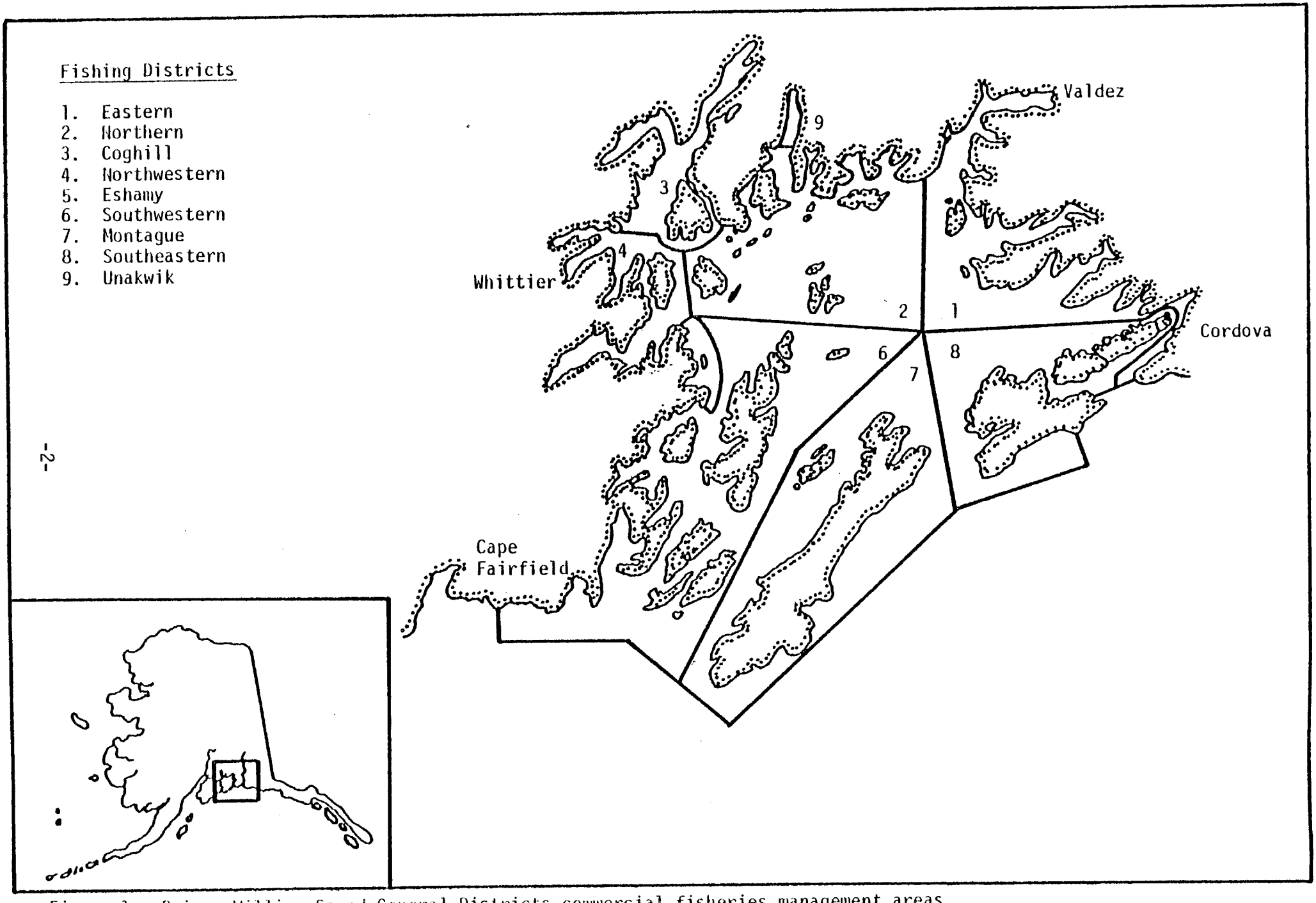

Figure 1. Prince William Sound General Districts commercial fisheries management areas.

spawning streams. Pink salmon returns were well distributed in 1977 resulting in excellent spawning escapements in all districts except the Northern which has been in a depressed condition in recent odd-year pink cycles. The Northern District received 36.9% of the maximum desired pink escapement and 44.3% of the minimum desired escapement level. The relatively poor escapement in the Northern District occurred despite regulatory action which closed most of the district throughout the general purse seine season.

The Montague District which has been in a continuing depressed condition as a result of the 1964 earthquake has improved markedly in production during the odd-year pink salmon cycle but has continued to remain disasterously low during the even-year cycle. The district pink salmon escapement of 315,510 in 1977 is the second highest and best distributed escapement in post-earthquake years.

The Coghill River which has had recent odd-year pink salmon escapements in excess of one-half million was held to an estimated escapement of 366,300 in 1977. In expectations of a large pink salmon return to the river in 1977 regulatory action was taken early in the season to allow more fishing area in the Culross Island and Southwestern District. The purpose of opening these areas was to allow more fishing pressure to act on the Coghill River pink salmon run for a larger period of time. The action was only partially successful in increasing the catch and decreasing the escapement.

Table 1 shows the 1977 Prince William Sound estimated pink salmon spawning escapement by district and comparisons with desired escapement ranges.

Chum Salmon:

Chum salmon returns of about 716,600 were approximately 95.5% of the forecast point estimate of 750,000 indicating good survival from the parent brood stock escapement. Considering the better than average return in 1977 the resulting spawning escapements ranged from excellent in the Northern District to disastrous in the Montague District. The 1977 chum salmon escapement and returning runs were skewed to the northern and eastern portions of Prince William Sound.

The chum salmon escapement distribution in 1977 reflects the relative production of the districts to the total run with the northern and eastern parts of Prince William Sound producing over 90% of the returning chum salmon. One stream, Coghill River, produced about 79% of the total escapement to the Coghill-Northwestern Districts while escapements in the Northern and Eastern Districts was fairly well distributed. Constantine Creek, in the Southeastern District, contributed about 76% of the total escapement to that district. The Montague District which contributes about 5.7% of the desired escapement had no observed escapement in 1977 as expected from a minimal return of 80 spawners in 1974.

Table 2 shows the 1977 Prince William Sound estimated chum salmon spawning escapement by district and comparisons with desired escapement ranges.

Table 1. Estimated pink salmon escapements by district, Prince William Sound, 1977.

District	Escapement	% of Minimum	Desired Range
Eastern	465,970	115.4	403,750 - 484,500
Northern	62,150	44.3	140,000 - 168,000
Coghill-Northwestern	426,670	162.5	262,500 - 315,000
Eshamy-Southwestern	226,060	200.9	112,500 - 135,000
Montague	196,970	185.3	106,250 - 127,500
Southeastern	315,510	140.2	225,000 - 270,000
TOTAL	1,693,330	135.4	1,250,000 - 1,500,000

Table 2. Estimated chum salmon escapements by district, Prince William Sound, 1977.

District	Escapement	% of Minimum	Desired Range
Eastern	53,200	61.0	87,200 - 109,000
Northern	36,360	123.6	29,400 - 36,750
Coghill-Northwestern	46,120	94.8	48,600 - 60,750
Eshamy-Southwestern	560	16.4	3,400 - 4,250
Montague	0	0	11,400 - 14,250
Southeastern	8,370	41.8	20,000 - 25,000
TOTAL	144,610	72.3	200,000 - 250,000

Salmon Egg Deposition Index

The pink and chum salmon egg deposition project was initiated on 21 October and terminated on 30 October 1977. A total of 15 streams were indexed. Constantine Creek, the sixteenth stream, was not indexed due to high stream flows. Table 3 shows the results of the 1977 project with a comparison to the 1965-76 odd-year average. Appendix C shows the stream by stream results.

Pink Salmon:

Comparisons with past odd-year data shows that the five streams were above average, nine below, with one stream average. No discernible pattern is readily apparent when comparing the 1977 egg index with odd-year average egg indices and run timing. The results are not much better when comparing the 1977 index when comparing the 1977 escapement and average odd-year escapements on a stream by stream basis.

Chum Salmon:

Of the 15 streams indexed 13 have chum salmon populations. As expected nearly all the resultant egg indices were below average. The primary reason for this was the low escapement levels experienced in 1977.

Salmon Pre-emergent Fry Index

The 1977 brood year pre-emergent fry index was initiated on 21 March and terminated on 7 April 1978. A total of 38 streams were indexed. Over 1,400 individual samples were collected. The primary purpose of this project is to build a pre-emergent fry abundance index for pink and chum salmon which provides the basis to forecast adult salmon returns to Prince William Sound.

Table 4 compares 1977 brood year pink salmon pre-emergent fry indices with odd-year averages and chum salmon with all year averages. Appendix D shows total project results.

Pink Salmon:

Results of the pre-emergent fry showed 21 streams having above average indices, 14 streams below, and 3 streams exhibiting average indices. Of the streams exhibiting below average indices only one-half could be considered drastically lower than might have been expected. Coghill, in particular, was expected to have a lower index in that the brood year escapement was 280,000 fish as compared with previous odd-year brood year escapements in excess of 500,000 fish. Streams that exhibited above average indices were distributed throughout the Sound. Outstanding examples of these were Koppen, Control, Duck, Indian, Meacham, Hayden, and Constantine Creeks. Pre-emergent fry distribution within these streams was also generally good indicating very little freeze-out conditions during the overwintering period.

Chum Salmon:

Of the 29 chum salmon streams that were indexed for pre-emergent fry abundance, 12 were above their average, 10 below, and 7 exhibited nearly average

Table 3. Comparison of odd-year pink salmon and all years chum salmon egg deposition indices for brood years 1965 - 1976 with brood year 1977[1] [2].

	PINK SALMON			CHUM SALMON		
Stream Name and Number	Total Live Eggs Indexed	Average	1977	Total Live Eggs Indexed	Average	1977
Koppen Creek, #35	4,952[1]	2,476	8,098	16,407[1]	2,051	787
Control Creek, #52	58,599	11,720	9,352	2,873	261	26
Indian Creek, #117	43,485	8,697	9,962	10,108	919	1,856
Sawmill Creek, #133	5,424[2]	5,424	2,338	2,910[2]	970	256
Cannery Creek, #241	16,509[3]	5,503	3,042	--- [3]	---	---
Black Bear Creek, #276	1,674[4]	1,674	0	2,171[2]	543	118
Meacham Creek, #430	13,274[5]	3,319	5,486	1,568[4]	157	2
Mink Creek, #480	16,171	3,234	461	2,005	182	205
Erb Creek, #604	12,868	2,574	2,271	781[5]	78	80
Falls Creek, #673	11,131[6]	5,566	1,915	--- [3]	---	---
Wilby Creek, #744	8,456	1,691	1,611	166[6]	18	0
Pautzke Creek, #775	3,260[7]	1,630	6,427	2,203[7]	441	0
Constantine Creek, #815	28,229[5]	7,057	--- [7]	13,527[3]	1,353	---[8]
Cook Creek, #828	9,655[1]	4,828	11,990	4,185[9]	1,046	37
Canoe Creek, #850	16,392	3,278	924	180[10]	18	1
Bernard Creek, #861	44,466	8,893	1,696	--- [3]	---	---

I. Table title footnotes:

[1] No egg deposition index was conducted in 1975.
[2] Live eggs and fry combined. Dead eggs and fry not included.

II. Pink salmon footnotes:

[1] Indexed in 1965 and 1973 only.
[2] Indexed in 1973 only.
[3] Indexed in 1969 - 1973 only.
[4] Indexed in 1973 only.
[5] Not indexed in 1965 only.
[6] Indexed in 1967 and 1973 only.
[7] Not indexed due to high stream flow.

III. Chum salmon footnotes:

[1] Not indexed 1967, 1969, and 1971.
[2] Not indexed 1965 - 1971.
[3] Chum salmon not present in this system.
[4] Not indexed in 1965.
[5] Not indexed in 1966.
[6] Not indexed in 1974 and 1976.
[7] Not indexed 1965-66, 1969-71, and 1974-76.
[8] Not indexed due to high stream flow.
[9] Not indexed 1966-71 and 1976.
[10] Not indexed in 1976 due to inclement weather.

Table 4. Comparison of odd-year pink salmon and all years chum salmon live pre-emergent fry indices for brood years 1965-1976 with brood year 1977 pre-emergent fry indices, Prince William Sound.

	PINK SALMON			CHUM SALMON		
Stream Name and Number	Total Live Fry Indexed	Average	Brood Year 1977	Total Live Fry Indexed	Average	Brood Year 1977
Humpy Creek, #11	6,560	1,093	3,065	--- [1]	---	---
Rogue Creek, #21	1[1]	0	2	0[2]	0	0
Koppen Creek, #35	11,704	1,951	3,524	9,747	750	1,393
Control Creek, #52	32,910	5,485	7,493	3,247	250	382
Whalen Creek, #80	485	81	110	186	14	0
Sunny River, #87	3,116	519	440	11,307	870	1,182
Lagoon Creek, #99	2,279[2]	1,140	3	1,782	198	250
Gladhough Creek, #106	1,478[3]	493	335	--- [1]	---	---
Duck River, #116	29,940	4,990	7,283	21,985	1,691	767
Indian Creek, #117	17,043	2,840	4,965	16,418	1,263	2,150
Gregorioff, #123	9,110	1,518	2,153	7,422	571	372
Gorge Creek, #131	1,968[3]	656	349	4,878	542	806
Sawmill, #133	5,691	948	826	9,023	694	154
Stellar Creek, #153	18,972	3,162	4,079	17,567	1,351	908
Cannery Creek, #241	1,921	320	472	--- [1]	---	---
Unakwik, #265	7[4]	2	1	14	2	265
Black Bear, #276	1,460	243	0	4,109	316	424
Coghill River, #322	37,650	6,275	4,060	1,354[3]	113	14
Mill Creek, #421	2,508	418	61	4,058[4]	451	1,491
Pirate Creek, #428	965[3]	322	1,443[5]	--- [1]	---	---
Meacham Creek, #430	8,729	1,455	4,129	2,376	183	79
Paulson, #455	1,613[6]	269	1,263	5,400	415	412
Mink Creek, #480	5,020	837	3,291	2,850	219	764
Erb Creek, #604	3,374	562	2,154	16	1	9
Totemoff, #621	16,339	2,723	485	38	3	0
Bainbridge, #630	4,429	738	468	11	1	0
Claw, #632	1,745	291	1,634	--- [1]	---	---
Falls, #673	9,525[7]	1,905	2,273	--- [1]	---	---
Hayden, #677	2,254[3]	751	3,693	--- [1]	---	---
McLeod, #707	1[2]	0	1	0[5]	0	0

(Continued)

Table 4. Comparison of odd-year pink salmon and all years chum salmon live pre-emergent fry indices for brood years 1965-1976 with brood year 1977 pre-emergent fry indices, Prince William Sound (continued).

	PINK SALMON			CHUM SALMON		
Stream Name and Number	Total Live Fry Indexed	Average	Brood Year 1977	Total Live Fry Indexed	Average	Brood Year 1977
Wilby Creek, #744	310	52	464	0	0	0
Cabin Creek, #747	3,620	1,207	493	0[6]	0	0
Shad Creek, #749	6,010[8]	1,202	564	--- [1]	---	---
Pautzke, #775	1,791	298	3,062	1,236[7]	112	0
Constantine, #815	6,569	1,095	5,904	7,579	583	726
Cook Creek, #828	11,989	1,998	1,355	2,725	210	0
Canoe Creek, #850	7,767	1,294	1,058	1,151[8]	96	5
Bernard, #861	13,784	2,297	1,975	0	0	50[9]

Pink salmon footnotes

1 Not indexed in 1976.
2 Not indexed in 1966, 1968, and 1976. 1970 index was 2,274 fry.
3 Not indexed in 1966-70.
4 Not indexed in 1966 and 1968
5 One upstream sampled accounted for more than 1,000 fry.
6 The 1966 index accounts for 1,405 fry.
7 Not indexed in 1966.
8 Not indexed in 1974.

Chum salmon footnotes

1 Chum salmon not present in this stream.
2 Not indexed in 1965, 1967, 1969, and 1976.
3 Not indexed in 1977.
4 Not indexed in 1965, 1967, 1969, and 1971.
5 Not indexed 1965 through 1969.
6 Not indexed 1965 through 1970.
7 Not indexed in 1975 and 1977.
8 Not indexed in 1966.
9 First record of chums in this stream.

abundance. For the first time since this project's initiation chum salmon fry were found in Bernard Creek on Hawkins Island.

Overall, the chum salmon pre-emergent fry abundance was better than expected in consideration of the low parent escapement of 144,610 adults. Both above, below, and average abundances were found throughout the Sound on the indexed streams.

ACKNOWLEDGMENTS

The research project leader would like to acknowledge the following personnel for their aid and assistance: 1) Mike Jackson, permanent Fish and Game Technician, 2) Harry Curran and Scott Novak of the M/V MONTAGUE, and 3) Dan Dougherty, temporary Fish and Game Technician.

APPENDIX A

Pink salmon escapement estimates by stream and district, cumulative weekly totals by stream, and calculated season totals by stream and district.

A recapitulation by district, week, and season total estimated spawning escapement is given at the end of district totals.

Appendix Table A. Weekly estimates of live pink salmon in Prince William Sound spawning streams, by management district, 1977.

District: Eastern

Stream Number	Stream Name or Location	Week Ending Date 6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
2	Hartney Cr.	0*	90*	180*	350*	700	1050*	1400	1090*	660	330*	160*	80*	0*	6090	2440
5	Eccles Creek	0*	0*	0*	10*	20*	40*	70	130*	200	100*	50*	0*	0*	620	250
11	Humpy Creek	0*	1800	1800	5500	10810	7500	2750	1750*	750	750	800	400*	200*	34810	13920
19	Twin Lakes Cr.	0*	0	0	0	670	0	0	80*	150	200	150	80*	40*	1370	550
20	Spring Creek	0	0	0	0	600	300*	150*	80*	40*	20*	10*	0*	0*	1200	480
21	Rogue Creek	0	0	250	4000	12000	5500	5600	1000*	1300	440	500	250*	120*	30960	12380
23	Chase River	0	0	200	1000	1500	4300	5500	500	200	170*	150	80*	40*	13640	5460
35	Koppen Creek	0	300	13100	43300	48000	23000	21000	3220	4800	3130	5500	2750*	1370*	169470	67790
36	Sheep River	0*	0	400	1000	2100	4500	4000	2500	4000	5650*	7300	3650*	1820*	36920	14770
37	Allen Creek	0*	0	0	0	100	100	80	150	350	550	270*	130*	60*	1790	720
41	Pass Creek	0*	0	0	0	0	0	0	10*	20	10*	0*	0*	0*	40	20
45	Plateau Creek	0*	0*	0*	0*	0*	0	0	0*	10	0*	0*	0*	0*	10	10
46	Comfort Creek	0*	0	100	2000	2800	1500	1300	1000*	700	130*	450	220*	110*	10310	4120
48	Beartrap River	50	150	2800	4000	1440	2000	3000	1320	2000	1200	1000	500*	250*	19710	7880
49	Cataract Creek	0*	0	0	0	300	150	350	200*	50	30*	0	0*	0*	1080	430
51	Olsen Creek	0	1300	7400	15200	18850	18000	12000*	5850	7000	3130	4900	2450*	1220*	97300	38920
52	Control Creek	0	0	2000	4000	6000	5000	4000*	2980	3200	3350	2800	1400*	700*	35430	14170
54	Carlsen Creek	0*	0	100	400	2230	1400	1400*	1390	650	1120	560*	280*	140*	9670	3870
56	St. Matthews Cr.	0*	0	0	500	1650	1500	1250*	1020	2300	2940	2800	1400*	700*	16060	6420
71	W. Two Moon Bay	0*	0	0*	0	0*	0*	10*	20*	20	90*	150	70*	40*	400	160
72	Two Moon Creek	0*	0	0*	0	0*	0*	80*	150*	150	150*	150	70*	40*	790	320
73	Tundra Creek	0	0	0*	0	0*	0*	50*	100*	100	200*	300	150*	70*	970	390
76	Irish Creek	0	0	100	3100	9000	4700	3300*	2120	2500	2100	1800	900*	450*	30070	12030
80	Whalen Creek	0	0	4000	20000	18180	12000	12000	2020	1600	1160	1100	550*	280*	72890	29160

* = Interpolation ___ = Ground counts

Appendix Table A. Weekly estimates of live pink salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Eastern

Stream Number	Stream Name or Location	Week Ending Date 6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
83	Keta Creek	0*	0	490*	980*	1950	2100	3000	780	1000	1050	700	350*	170*	12570	5030
87	Sunny River	0*	0	0*	0*	550*	1100	1000	700	200	200	700	350*	170*	4970	1990
88	Short Creek	0*	0	200	300	500	250	250	250	450	350*	250	120*	60*	2980	1190
89	Fish Creek	0	0	3000	7000	11800	10000	8500	7790	7000	9030	3000	1500*	750*	69370	27750
92	Shale Creek	0	0	0	200	770	700	800	370	350	60	50	20*	10*	3330	1330
93	Kirkwood Creek	0	0	0	100	920	800	700	500	150	380	300	150*	70*	4070	1630
94	Rock Creek	0	0	0	0	200	100	0	100	300	280*	250	120*	60*	1410	560
99	Lagoon Creek	0*	0	0	1000	4000	3460	1500	2100	2200	1100	700	350*	170*	16580	6630
106	Gladhough Cr.	0	0	0	100*	200	360	80*	20	200	490	300	150*	70*	1970	790
107	Black Creek	0*	0	0*	0*	0	10	10*	10	10	20	100	50*	20*	230	90
114	Turner Creek	0	0	0*	0	200	0	150	100	150	230*	300	150*	70*	1350	540
115	Millard Creek	0	0	200	800	3500	2270	2300	2500	2500	1250	1300	650*	320*	17590	4400 1/
116	Duck River	0*	0	0	500	500	1000	4000	2000	2000	25250*	48500	45000*	45000*	173750	69500
117	Indian Creek	0	1500	3600	4500	8000	4330	4500	3500	2800	2340	2500	1250*	620*	39440	15780
120	Donaldson Cr.	0	0	0	100	200	100	50	110	150	580	400	200*	100*	1990	800
121	Levshakoff Cr.	0	0	0	1300	2000	1380	900	1600	1100	800	200	100*	50*	9430	3770
123	Gregorieff Cr.	0	200	1400	1500	4000	4000	1800	1400	1500	1950	1100	550*	270*	19670	7870
127	Naomoff River	0*	0	250*	500	1500	1200	1100	2000	200	300*	400	200*	100*	7750	3100
129	Vlasoff Creek	0*	0	0	700	2500	1600	1600	1500	300	650*	1000	500*	250*	10600	4240
131	Gorge Creek	0*	0	0	1000	2000	220	500	60	50*	50	30*	20*	0*	3930	1570
133	Sawmill Creek	0*	250	500	4000	4500	1830	800	500*	100*	10	0*	0*	0*	12490	5000
137	Lowe River	0*	150*	300*	600	600	1770	600	300*	150*	70*	30*	0*	0*	4570	1830
143	Siwash Creek	0*	5000*	10000*	20000*	20000	22120	20000	10000*	5000*	2500*	1000*	500*	250*	116370	46550
145	Crooked Creek	0*	0*	350*	700*	1400*	2710	2000*	1000*	500*	250*	100*	50*	0*	9060	3620

* = Interpolations ___ = Ground counts 1/ = Stream life factor 4.0

Appendix Table A. Weekly estimates of live pink salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Eastern

Stream Number	Stream Name or Location	Week Ending Date 6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
148	Mineral Flats	0*	400*	800*	1500	2100	1950*	1800	900*	450*	200*	100*	50*	0*	10250	4100
152	Twin Falls Cr.	0*	0	0	0	0	0	0	0	200	600*	1000	500*	250*	2550	1020
153	Stellar Creek	0	0	0	800	1400	730	1100	3110	4700	5180	2600	1300*	650*	21570	8630
122**	Unnamed Creek								30							
136**	Soloman Gulch						0									
139**	Sewage Lagoon						1420									
141**	Airport Creek						18720									
142**	Pipe Creek						4100									
144**	Unnamed Creek						70									
**	Abercrombie						0									
**	Brush Creek						180									
Eastern Totals		50	11140	53520	152540	212240	158630	138330	71880	66460	82120	97810	69590	57130	1171440	465970

* = Interpolations ___ = Ground counts ** = Not included in totals

Appendix Table A. Weekly estimates of live pink salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Northern

Stream Number	Stream Name or Location	Week Ending Date 6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
213	Bench Mark Cr.	0	0	0	50	350	290	150*	10	10*	0	0	0*	0*	860	340
214	Long Creek	0	50	1800	1500	3500	3000	1100	600*	420*	240	800	400*	200*	13610	5440
216	Vanishing Cr.	0*	10	100	100	650	220	0	0	50*	110	400	200*	100*	1940	780
217	Spring Stream	0*	0	500	450*	400	400	300	150*	150*	100*	50	30*	0*	2530	1010
218	Billy's Creek	0*	0	0*	0	0*	0*	0*	0*	0*	0*	0*	0*	0*	0	0
221	Eickelberg Cr.	0*	0	0	0	0	0	0	0*	0*	0	0	0*	0*	0	0
224	Backyard Creek	0*	0	0	0	0	0	2900	3550	3740*	3920	2400	1200*	600*	18310	7320
227	Granite Creek	0*	0	0	0	0	0	0	0*	0*	0*	0	0*	0*	0	0
229	Cedar Creek	0*	0	0	0*	10*	20	200	80	50*	10	0	0*	0*	370	150
234	Wells River	0	0	7500	7800	10100	11920	8000	260	320*	370	150	80*	40*	46540	18620
241	Cannery Creek	0	0	0	0	500	1200	1200	4500	6250*	8000	7600	3800*	1900*	34950	8740 1/
259	Jonah Creek	0	0	0	0	0	5330	12000	15340	11870*	8390	6000	3000*	1500*	63430	15860 1/
264	Siwash River	0	0*	0	0	0	100	420*	750	1570*	2390	2200	1100*	500*	9030	3610
265	Unakwik Creek	0*	0*	0	0	0	0	40*	80	70*	50	0	0*	0*	240	100
276	Black Bear Cr.	0	0*	0	0	100	100	70*	40	30*	10	0	0*	0*	350	140
277	Eaglek Bay E.	0*	0*	0	0	0	0	0*	0*	0*	0*	0	0*	0*	0	0
278	Eaglek Bay E.	0*	0*	0	0	0	0	0*	0	0*	0*	0	0*	0*	0	0
279	Canyon Creek	0*	0*	0	0	0	0	0*	0*	0*	0*	0	0*	0*	0	0
282	Eaglek Riv. Del.	0*	0*	0*	0*	0*	0	0*	0	30*	60	0	0*	0*	90	40
283	Unnamed Creek	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0	0*	0*	0	0
Northern Totals		0	60	9900	9900	15610	22580	26380	25360	24560	23650	19600	9810	4840	192250	62150

* = Interpolations ___ = Ground counts 1/ = Stream life factor 4.0

Appendix Table A. Weekly estimates of live pink salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Coghill

Stream Number	Stream Name or Location	Week Ending Date 6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
303	Triple Creek	0*	0*	0	0	0	0*	0*	0	130*	260	130*	60*	30*	610	240
307	Village Creek	0*	0*	0	0	0	260	410*	550	660*	770	380*	190*	90*	3310	1320
310	Golden Lagoon	0*	0*	0*	0	0*	0*	0*	0*	0*	0*	0*	0*	0*	0	0
314	Avery River	0*	0*	0*	0	0*	0*	0*	0*	0*	0*	0*	0*	0*	0	0
322	Coghill River - (below weir)	0	2000	5000	7500	20000	22000*	25000	75000*	75000*	100000*	130000	65000	32000	34500$	8630 1/
	Coghill River - (lake)					280000	270000*	250000	200000*	100000*	30000*	40000#	20000#	10000#	1200000¢	280000 1/
414	Harrison Lagoon	0*	0*	0*	0	0*	0	0*	0*	50*	110	80	40*	20*	300	120
417	Hobo Creek	0*	0*	0*	0*	0*	0*	0*	0*	0*	10*	10	10*	0*	30	10
421	Mill Creek	0*	0*	0*	0	0*	0	190*	380	660*	930	1090	550*	270*	4070	1630
424	Port Wells	0*	0*	0*	0	0*	0	0*	0*	0*	0*	0	0*	0*	0	0
425	Hummer Creek	0*	0*	0*	0	0*	0	0*	0*	0*	0*	0	0*	0*	0	0
428	Pirate Creek	0*	0*	0*	0	0*	0	330*	670	400*	120	50	30*	10*	1610	640
430	Meacham Creek	0*	0*	0*	0	600	1170	2200	5810	3900*	1980	5000	2500*	1250*	24410	9760
432	Swanson Creek	0*	0*	0*	0	0	12000	16000	15000*	14000*	13000*	12000	6000*	3000*	91000	36400
Coghill Totals		0	2000	5000	7500	300600	305430	294130	297410	194800	147180	188740	94380	46670	1359840	338750

* = Interpolations ___ = Ground counts $ = Includes weekly estimate of 6/25 - 7/23 only.

¢ = Count in lake on week ending 7/23 used as peak number of fish, i.e. no further fish entered system after this date.

\# = Includes lagoon 1/ = Stream life factor 4.0

Appendix Table A. Weekly estimates of live pink salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Northwestern

Stream Number	Stream Name or Location	Week Ending Date 6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
435	Logging Camp	0*	0*	0*	0*	0	0	20	510*	1000*	580*	150	80*	40*	2380	950
450	Tebenkof Cr.	0*	0*	0*	0*	0	420	200	450	350*	240	120*	60*	30*	1870	750
451	Blackstone Cr.	0*	0*	0*	0*	0	0	0	0	0*	0*	0*	0*	0*	0	0
454	Halferty Creek	0*	0*	0*	0*	0	0	0	0	400*	800*	1600	800*	400*	4000	1600
455	Paulson Creek	0*	0*	30*	50	20*	0*	0	70	230*	390	400	200*	100*	1490	600
458	Parks Creek	0*	0*	30*	50*	100*	100	0	0	0*	0*	0*	0*	0*	280	110
469	Wickett Creek	0*	0*	0*	0*	0	50	150	1410	1200*	990	500*	250*	120*	4670	1870
471	Narrows Creek	0*	0*	0*	0*	0	0*	0	50	30*	10*	0*	0*	0*	90	40
476	Shrode Creek	0*	0	0	0	0	3000	6300	34500	42750*	51000	21600	10800*	5400*	175350	70140
479	Culross Creek	0*	0*	0*	0	0*	0	0	1500	1500*	410	500	250*	120*	4280	1710
480	Mink Creek	0*	0*	0*	30*	70*	140	700	2490	3250*	3400	1700*	850*	420*	13050	5220
484	Finger Creek E.	0*	0*	0*	0*	0*	0	0	200	180*	150	80*	40*	20*	670	270
485	Finger Creek W.	0*	0*	0*	0*	0*	100	50	200	600*	1000	500*	250*	120*	2820	1130
493	Most Creek	0*	0*	0*	0*	0*	0	0	0	80*	150	80*	40*	20*	370	150
495	Chimevisky Lag.	0*	0*	0*	0*	0*	0*	220*	440	300*	260	1000	750*	350*	3320	1330
498	McClure Creek	0*	0*	0*	0*	0*	80*	150*	300*	600*	1200	1600	800*	400*	5130	2050
Northwestern Totals		0	0	60	130	190	3890	7790	42120	52470	60580	29830	15170	7540	219770	87920

* = Interpolations ____ = Ground counts

Appendix Table A. Weekly estimates of live pink salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Eshamy

Stream Number	Stream Name or Location	6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
		Week Ending Date														
506	Loomis Creek	0*	0*	0*	0	0	0*	10	10*	10*	0*	0*	0*	0*	30	10
507	Gumboot Creek	0*	0*	0*	0	0*	0*	40*	80	410	410	250	120*	60*	1370	550
508	N. shore, Eshamy Lagoon	0*	0*	0	0	0	0*	0	190	140	340	360	180*	90*	1300	520
510	Elishansky Cr.	0*	40*	80*	150	1730*	3320	1530	1770	1780*	1790	1240	620*	310*	14360	5740
511	Eshamy River2/	0*	250*	500	620*	740	1670*	2600	3110*	3620	2670*	1720	5300	2650*	25450	10180
	Eshamy River - (weir)	0	0	0	13	25	195	147	3455	2857	2285	573	467	39	100803/	10080 50004/
Eshamy Totals		0	290	580	780	2500	5190	4330	8620	8820	7500	4140	6690	3150	52590	32080

* = Interpolations ___ = Ground counts 2/ = Represents ground survey estimates from weir to mouth of river.

3/ = Rounded to the nearest 10 fish. Not divided by 2.5 as weir count represents absolute number of fish.

4/ = NOTE: Additional 5,000 fish still off stream mouth as of 9/14. Est. total Eshamy River escapement = 25,260.

Appendix Table A. Weekly estimates of live pink salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Southwestern

Stream Number	Stream Name or Location	Week Ending Date 6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW±2.5
601	Paddy Creek	0*	0*	0*	0*	0	0	300*	570	790*	710	350*	170*	80*	2970	1190
602	Nacktan Creek	0*	0*	0*	0*	0	0	50*	100	230*	350	170*	80*	40*	1020	410
603	Ewan Creek	0*	0*	0*	0*	0	300	1650*	6000	7750*	9500	16700	8350*	4180*	54430	21770
604	Erb Creek	0*	0*	0*	0*	0	360	860*	1310	1210*	2450	1230*	620*	310*	8350	3340
608	Jackpot River	0*	0*	0*	0*	0	3000	16500*	30000	45500*	61000	30500*	15250*	7620*	209370	523401/
610	Kompkoff River	0*	0*	0*	0*	0	80	680*	1310	2210*	2300	1150*	580*	290*	8600	3440
611	W. Arm, Jackpot	0*	0*	0*	0*	0	0	80*	150	330*	500	250*	120*	60*	1490	600
612	W. Arm, Jackpot	0*	0*	0*	0*	0	0	100*	200	350*	500	250*	120*	60*	1580	630
613	Jackson Creek	0*	0*	270*	550*	1100	1500	2250*	3000	6100*	9200	4600*	2300*	1150*	32020	12810
621	Totemoff Creek	0*	0*	0*	0*	0	0	1210*	2420	2710*	4340	6640	3320*	1660*	22300	8920
623	Brizgaloff Cr.	0*	0*	0*	0*	0	0	250*	500	700*	900	450*	220*	110*	3130	1250
630	Bainbridge Cr.	0*	0*	500*	1000*	2000	7000	11000*	15000	19000*	23000	11500*	5750*	2870*	98620	39450
632	Claw Creek	0*	0*	0*	0*	0	0	20*	30	260*	500	250*	120*	60*	1240	500
633	Pablo Creek	0*	0*	50*	100*	200	400	450*	500	1350*	1750	880*	440*	220*	6340	2540
634	Whale Bay	0*	0*	0*	0*	0	0	30*	50	180*	300	150*	80*	40*	830	330
636	Whale Creek	0*	0*	0*	0*	0	0	150*	300	280*	250	120*	60*	30*	1190	480
653	Hogg Creek	0*	0*	0*	0*	0	0	0*	50*	50*	0*	0*	0*	0*	100	40
655	Johnson Creek	0*	0*	0*	0*	0	0	500*	980	1090*	2050	1020*	510*	250*	6400	2560
656	Halverson Cr.	0*	0*	0*	0*	0	0	250*	500	600*	1050	520*	260*	130*	3310	1320
665	Bjorne Creek	0*	0*	0*	0*	0	0	300*	600	1300*	2000	350	180*	90*	4820	1930
666	O'Brien Creek	0*	0*	0*	0*	0	910	4900*	8990	5850*	3380	1530	760*	380*	26700	10680
670	Montgomery Cr.	0*	0*	0*	0*	0	300	2900*	5500	5250*	5000	2500*	1250*	620*	23320	9330

* = Interpolations ___ = Ground counts 1/ = Stream life factor 4.0

Appendix Table A. Weekly estimates of live pink salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Southwestern

Stream Number	Stream Name or Location	Week Ending Date 6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
672	Big Bay - Latouche Is.	0*	0*	0*	0*	0	0	750*	1500	1400*	1300	650*	320*	160*	6080	2430
673	Falls Creek	0*	0*	0*	0*	0	780	4300*	7650	5830*	3500	1750*	880*	440*	25130	10050
676	Horseshoe Creek	0*	0*	0*	0*	0	0	200*	400	600*	800	400*	200*	100*	2700	1080
677	Hayden Creek	0*	0*	0*	100*	200	450	1600*	2200	2200*	2490	1240*	620*	310*	11410	4560
Southwestern Totals		0	0	820	1750	3500	15080	51280	89810	113120	139120	85150	42560	21260	563450	193980

* = Interpolations ___ = Ground counts

Appendix Table A. Weekly estimates of live pink salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Montague

Stream Number	Stream Name or Location	Week Ending Date 6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
702	Point Creek			0*	0*	250*	500	1700*	2900	3250*	3600	1800*	900*	450*	15350	6140
703	Clam Beach Cr.			0*	0*	0	0	430*	850	1480*	2100	1050*	520*	260*	6690	2680
707	MacLeod Creek			0*	0*	400*	800	3950*	7100	13300*	19500	9750*	4880*	2440*	62120	24850
710	Hanning Creek			0*	0*	100*	200	450*	700	1900*	3100	1550*	780*	390*	9170	3670
711	Quadra Creek			0*	0*	50*	100	2650*	5200	7600*	10000	5000*	2500*	1250*	34350	13740
717	W. shore, Montague Is.			0*	0*	0	0	550*	1100	1850*	2600	1300*	650*	320*	8370	3350
718	W. shore, Montague Is.			0*	0*	0	0	1400*	2800	2950*	3100	1550*	780*	390*	12970	5190
719	W. shore, Montague Is.			0*	0*	0	0	850*	1700	1350*	1000	500*	250*	120*	5770	2310
722	W. shore, Montague Is.			0*	0*	0	0	0*	0	400*	800	400*	200*	100*	1900	760
724	W. shore, Montague Is.			0*	0*	0	0	850*	1700	1100*	500	250*	120*	60*	4580	1830
725	W. shore, Montague Is.			0*	0*	0	0	1600*	3200	3850*	4500	2250*	1120*	560*	17080	6830
726	Montague Creek			0*	0*	0	0	0*	0	180*	350	170*	80*	40*	820	330
738	Russell Creek			0*	0*	0	0	150*	300	400*	500	250*	120*	60*	1780	710
739	Swamp Creek			0*	600*	1200*	2400	7200*	12000	6100	10000	3900	1950*	970*	46320	18530
740	Kelez Creek			0*	0*	0	0	2100*	4200	6600	5500	3940	1970*	980*	25290	10120
741	Chalmers River			0*	0*	0	50	1480*	2900	5850*	8800	4400*	2200*	1100*	26780	10710
744	Wilby Creek			0*	0*	0	0	3000*	6000	5800	2500	2300	1150*	570*	21320	8530
745	Wild Creek			0*	0*	0	0	500*	1000	1360	4300	2660	1330*	660*	11810	4720
746	Schuman Creek			0*	0*	0	0	2250*	4500	5450	2500	2550	1120*	560*	18930	7570
747	Cabin Creek			0*	0*	0	0	2000*	4000	5500	6200	3270	1640*	820*	23430	9370
748	Gilmour Creek			0*	0*	0	0	250*	500	600*	700	350*	170*	90*	2660	1060
749	Shad Creek			0*	0*	0	0	1750*	3500	7180	8200	5230	2620*	1310*	29790	11920
752	Stockdale Creek			0*	0*	0	0	2750*	5500	3350*	1200	600*	300*	150*	13850	5540
753	Stockdale Bay			0*	0*	0	0	350*	700	2100*	3500	1750*	880*	440*	9720	3890

* = Interpolations ___ = Ground counts

Appendix Table A. Weekly estimates of live pink salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Montague

Stream Number	Stream Name or Location	Week Ending Date 6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
754	Dry Creek			0*	0*	0	0	500*	1000	630*	250	120*	60*	30*	2590	1040
758	Head Rocky Bay			0*	0*	0	0	600*	1200	3180	1500	650	320*	160*	7610	3040
759	Rocky Creek			0*	0*	0	0	3250*	6500	6400	15000	4050	2020*	1010*	38230	15290
766	Carr Creek			0*	0*	0	0	150*	300	400*	DRY	100*	50*	20*	1020	410
770	Udall Creek			0*	0*	100*	100	400*	700	150	1100	1100	550*	270*	4470	1790
771	McKernan Creek			0*	0*	0	0	150*	300	280*	250	120*	60*	30*	1190	480
774	Rosswog Creek			0*	0*	200*	200	1200*	2200	1390	1500	1380	690*	340*	9100	3640
775	Pautzke Creek			0*	0*	0	0	250*	500	1280	1200	1550	780*	390*	5950	2380
788	Green Creek			0*	0*	500*	1000*	2000*	4000	2000*	1000*	500*	250*	120*	11370	4550
Montague Totals				0	600	2800	5350	46710	89050	105210	126850	66340	33010	16460	492380	196970

* = Interpolations ___ = Ground counts

Appendix Table A. Weekly estimates of live pink salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Southeastern

Stream Number	Stream Name or Location	Week Ending Date 6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
805	S. shore, Port Etches	0*	0*	0*	0*	0*	0*	0*	0*	0	0*	0*	0*	0	0	0
806	Dog Salmon Cr.	0*	0*	20*	40*	80	100*	200*	400*	800	390	190*	90*	2310	920
807	Beaver Creek	0*	0*	0*	0*	0	0*	50*	100*	200	100*	50*	30*	530	210
810	Garden Creek	0*	0*	70*	140*	280	500*	1050*	2100*	4200	3560	1780*	890*	14570	5830
812	Nuchek Creek	0*	1500*	3000	5500	9080	17000	21600*	26300*	31000	15000*	4200*	2100*	136280	54510
815	Constantine Cr.	0*	750*	1500	6800	13000	14000	21000	23400	31000	15160	7580*	3790*	137980	55190
817	Deer Creek	0*	50*	100*	200	1400	2500	4300	4800*	5100	2550*	1280*	640*	22920	9170
818	Juania Creek	0*	100*	200*	400	600	2600	3100	4600*	6200	3100*	1550*	750*	23200	9280
821	Brown Bear Creek	0*	280*	550*	1100	3000	1600	3000	4000*	5000	2500*	1250*	620*	22900	9160
827	Captain Creek	0*	100*	200*	400	920	2000	4900	3550	5700	2850*	1420*	710*	22750	9100
828	Cook Creek	0*	2000*	4000*	8000	3680	8500	13000	14000*	15000	7500*	2600*	1300*	79580	31830
829	King Creek	0*	0*	0*	0	0	100	2200	2350*	2500	1250*	620*	310*	9330	3730
831	Double Creek	0*	150*	300*	600	2050	4000	8000	10000*	11500	6000*	2250*	1120*	45970	18390
833	Bates Creek	0*	0*	0*	0	0*	0*	0*	300*	500	250*	120*	60*	1230	490
834	Hardy Creek	0*	1100*	2250*	4500	5500	8500	12000	13000*	14000	7000*	3500*	1750*	73100	29240
835	Scott Creek	0*	1500*	3000*	6000	6500	12000	5700	8700*	11500	580*	290*	140*	55910	22360
836	Dan's Creek	0*	0*	0*	0	0	0	0	50*	100	50*	20*	10*	230	90
837	Dan's Bay	0*	260*	550*	1100	1100	1500	3700	3950*	4200	2100*	1050*	520*	20030	8010
839	Dan's Bay	0*	0*	50*	100	300	500	1100	1550*	2000	1000*	500*	250*	7350	2940
844	Makaka Creek	0*	0*	50*	100	360	0	3000	5000*	7000	3360	1680*	840*	21390	8560
847	Hawkins Creek	0*	0*	300*	600	1810	1300	4000	4250	6500	4300	2150*	1080*	26290	10520
849	Rollins Creek	0*	0	0*	0	370	0	500	1760	1800	650	320*	160*	5560	2220
850	Canoe Creek	0*	150	2100*	4000	5000	1450	1400	2110	2200	920	460*	230*	20020	8010

* = Interpolations ___ = Ground counts

Appendix Table A. Weekly estimates of live pink salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Southeastern

Stream Number	Stream Name or Location	6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
		Week Ending Date														
851	Zillesenoff Cr.		0*	0	0*	50	100*	130	350	1470	1500	1350	680*	340*	5970	2390
856	Cedar Bay		0*	0*	50*	100	50	150	500	50	400	460	230*	120*	2110	840
857	Cedar Bay		0*	0*	0*	0	1000	1490	700	530	500	130	60*	30*	4440	1780
858	Cedar Bay		0*	0*	50*	100	1300*	2500	300	220*	150	80*	40*	20*	4760	1900
861	Bernard Creek		0*	0*	0*	0	2500	3070	3500	1680	3300	2190	1100*	550*	17890	7160
862	Clamdiggers Cr.		0*	0*	0*	0	0	0	50	50*	50	20*	10*	0*	180	70
863	Orca Creek		0*	0*	0*	0	300	500	600	560	1100	550	280*	140*	4030	1610
Southeastern Totals			0	7940	18340	39830	60280	85990	119800	140830	175000	84950	37260	18590	788810	315510

* = Interpolations ___ = Ground counts

Appendix Table A. Weekly estimates of live pink salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District Summaries

DISTRICT	Week Ending Date 6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
Eastern	50	11140	53520	152540	212240	158630	138330	71880	66460	82120	97810	69590	57130	1171440	465970
Northern	0	60	9900	9900	15610	22580	26380	25360	24560	23650	19600	9810	4840	192250	62150
Coghill@	0	2000	5000	7500	300600	305430	294130	297410	194800	147180	188740	94380	46670	1359840	338750
Northwestern@	0	0	60	130	190	3890	7790	42120	52470	60580	29830	15170	7540	219770	87920
Eshamy	0	290	580	780	2500	5190	4330	8620	8820	7500	4140	6690	3150	52590	32080
Southwestern	0	0	820	1750	3500	15080	51280	89810	113120	139120	85150	42560	21260	563450	193980
Montague	0	0	0	600	2800	5350	46710	89050	105210	126850	66340	33010	16460	492380	196970
Southeastern	0	0	7940	18340	39830	60280	85990	119800	140830	175000	84950	37260	18590	788810	315510
PWS Grand Total	50	13490	77820	191540	577270	576430	654940	745050	706270	761000	576560	308470	175640	4840530	1693330

@ = Northwestern and Coghill districts re-described in regulations with Coghill district having more streams and vice versa. Totals for these districts are, therefore, not directly comparable with previous years.

APPENDIX B

Chum salmon escapement estimates by stream, district, and calculated season total by stream and district.

A recapitulation by district, week, and season total estimated spawning escapement is given at the end of the district totals.

Appendix Table B. Weekly estimates of live chum salmon in Prince William Sound spawning streams, by management district, 1977.

District: Eastern

Stream Number	Stream Name or Location	Week Ending Date 6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
2	Hartney Creek	0*	0*	0*	0*	20*	40*	80	60*	40	20*	10*	0*	0*	270	110
5	Eccles Creek	0*	0*	0*	0*	0*	0*	0	10*	30	20*	10*	0*	0*	70	30
20	Spring Creek	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0	0
21	Rogue Creek	0*	0*	0*	0*	0	0	0	0*	0*	0	0*	0*	0*	0	0
23	Chase River	0*	320*	750*	1500	500	200	500	1000	500*	250*	120*	60*	0*	5700	2280
35	Koppen Creek	0*	0	890	1680	2470	2000	1430	710*	350*	100	50*	20*	0*	9700	3880
36	Sheep River	0*	0*	0*	0*	0*	0	0	200	100*	50*	20*	10*	0*	380	150
46	Comfort Creek	0*	0*	0*	0*	0	0	0	0*	0*	0*	0*	0*	0*	0	0
48	Beartrap River	50	380*	710	1780	2790	1500	500	1780	2060*	2340	1170*	580*	290*	15930	6370
51	Olsen Creek	150*	310*	630	760	890	0	200*	410	620*	830	420*	210*	100*	5530	2210
52	Control Creek	70*	150*	300	250*	200	0	0*	0	10*	10	10*	0*	0*	1000	400
54	Carlsen Creek	0*	40*	70	170	270	0	0*	0	0*	0	0*	0*	0*	550	220
80	Whalen Creek	0*	0*	0*	0*	0*	0	0	20	20*	10	10*	0*	0*	60	20
83	Keta Creek	0*	0*	0*	0*	0*	0	0	30	110*	190	1500	750*	400*	2980	1190
87	Sunny River	0*	0*	0*	0*	0*	0	0	0	1250*	2500	8500	7000*	10000*	29250	11700
89	Fish Creek	0*	10*	20	460	890	650*	530*	410	320*	230	120*	60*	30*	3730	1490
99	Lagoon Creek	0*	0*	80*	150	670	890	200	380	800*	1220	610*	300*	150*	5450	2180
116	Duck River	0*	0*	100*	200	4000	4000	3000	6000	4500*	3000*	1500*	750*	400*	27450	10980
117	Indian Creek	0*	230*	460*	920	1320	1720	500	50	30*	10	10*	0*	0*	5250	2100
121	Levshakoff Cr.	0*	60*	120*	230	280	330	200*	60	40*	10	10*	0*	0*	1340	540
123	Gregorieff Cr.	0*	10*	30*	60	270	480	240*	10	20*	20	10*	0*	0*	1150	460
127	Naomoff Creek	0*	120*	250*	500*	1000	2000	1000	2200	1100*	550*	260*	130*	0*	9110	3640
129	Vlasoff Creek	0*	30*	50	30*	0	0	0	500	250*	120*	60*	30*	0*	1070	430

* = Interpolations ___ = Ground counts

Appendix Table B. Weekly estimates of live chum salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Eastern

Stream Number	Stream Name or Location	Week Ending Date 6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
131	Gorge Creek	0*	10*	20*	40	110	180	90*	0*	10*	10	10*	0*	0*	480	190
133	Sawmill Creek	0*	10*	10*	10	170	320	800	400*	210*	20	10*	0*	0*	1960	780
143	Siwash Creek	0*	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0*	0*	0	0
145	Crooked Creek	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0	0
146	Seepage Stream - Port Valdez	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0	0
148	Mineral Creek	0*	120*	250*	500*	1000	750*	500	250*	120*	60*	30*	0*	0*	3580	1430
152	Twin Falls Cr.	0*	0*	0*	0*	0	0	0	100	50*	20*	10*	0*	0*	180	70
153	Stellar Creek	0*	10*	10*	20	30	50	50*	60	160*	270	140*	70*	0*	870	350
Eastern Totals		270	1810	4750	9260	16880	15110	9820	14640	12700	11860	14600	9970	11370	133040	53200

* = Interpolations ___ = Ground counts

Appendix Table B. Weekly estimates of live chum salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Northern

Stream Number	Stream Name or Location	6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
		Week Ending Date														
214	Long Creek	0	10	20*	40	410	780	800*	800*	900*	980	500*	250*	0*	5490	2200
216	Vanishing Cr.	0*	0*	10*	20	120	210	50	270	450*	630	320*	160*	0*	2240	900
217	Spring Stream	0*	280*	550*	1100	500	500	200	100*	50*	20*	10*	0*	0*	3310	1320
221	Eickelberg Cr.	0*	0*	0*	0*	0	0	0	0*	0*	0	0*	0*	0*	0	0
229	Cedar Creek	0*	80*	150*	300	1780	3210	1000	1720	870*	10	0*	0*	0*	9120	3650
234	Wells River	280*	550*	1090*	2180	3870	5560	4000	610	370*	120	60*	30*	0*	18720	7490
259	Jonah Creek	0*	0*	0*	0*	0*	340	1000	3830	3130*	2430	1220*	610*	0*	12560	5020
264	Siwash River	0*	0*	0*	0*	0	1300*	2680*	5360	5040*	4720	2360*	1180*	0*	22640	9060
276	Blackbear Cr.	0*	10*	20*	30	90	150	260*	360	350*	340	170*	80*	0*	1860	740
279	Canyon Creek	0*	30*	50*	100	200	400	600*	300*	150*	80*	40*	20*	0*	1970	790
282	Eaglek Riv. Del.	0*	0*	0*	0*	0*	0	0*	0	30*	60	30*	10*	0*	130	50
283	Eaglek Riv. Del.	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0*	0*	0*	0	0
214++		0*	1150*	2300*	4600	2400	1000	700	350*	180*	90*	50*	20*	0*	12840	5140
Northern Totals		280	2110	4190	8370	9370	13450	11290	13700	11520	9480	4760	2360	0	90880	36360

* = Interpolations ___ = Ground counts ++ = Two streams counted in aerial survey. Middle delta stream is a chum stream.

Appendix Table B. Weekly estimates of live chum salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Coghill

Stream Number	Stream Name or Location	Week Ending Date 6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
310	Golden Lagoon	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0	0
314	Avery River	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0	0
322	Coghill River	50*	100	1000	7500	13750*	20000	25000	12500*	6250*	3120*	1560*	500*	0*	91330	36530
414	Harrison Lag.	0*	0*	0*	0*	0*	0	0*	0*	40*	70	40*	20*	0*	170	70
421	Mill Creek	0*	0*	0*	10*	20*	40	1180*	2320	2000*	1690	840*	420*	0*	8520	3410
424	Port Wells	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0*	0*	0*	0	0
425	Hummer Bay	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0*	0*	0*	0	0
430	Meacham Creek	0*	0*	0*	10*	20*	30	60*	80	40*	0	0*	0*	0*	240	100
432	Swanson Creek	0*	0*	0*	200*	400	120	520*	910	720*	540	270*	140*	0*	3820	1530
Coghill Totals		50	100	1000	7720	14190	20190	26760	15810	9050	5420	2710	1080	0	104080	41640

* = Interpolations ____ = Ground counts

Appendix Table B. Weekly estimates of live chum salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Northwestern

Stream Number	Stream Name or Location	6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW+2.5
		Week Ending Date														
450	Tebenkof Cr.	0*	0*	0*	250*	500	1100	1300	940	520*	110	60*	30*	0*	4810	1920
451	Blackstone Cr.	0*	0*	0*	0*	0	0	10	0	0*	0*	0*	0*	0*	10	10
454	Halferty Creek	0*	0*	0*	0*	0	600	1200	400	200*	100*	50*	0*	0*	2550	1020
455	Paulson Creek	0*	0*	0*	190*	380*	760	400	30	30*	30	20*	0*	0*	1840	740
458	Parks Creek	0*	0*	0*	0*	0*	0	20	0	0*	0*	0*	0*	0*	20	20
476	Shrode Creek	0*	0*	0*	0*	0	0	0	0	0	0*	0*	0*	0*	0	0
479	Culross Creek	0*	0*	0*	30*	60*	130	70*	0	0	40	20*	10*	0*	360	140
480	Mink Creek	0*	0*	0*	50*	100*	210	190*	160	100*	50	20*	10*	0*	890	360
484	Finger Creek E.	0*	0*	0*	0*	0*	0	0	0*	0	0*	0*	0*	0*	0	0
485	Finger Creek W.	0*	0*	0*	20*	40*	70	40*	10	0	0*	0*	0*	0*	180	70
493	Most Creek	0*	0*	0*	0*	0*	0	0	0*	0	0*	0*	0*	0*	0	0
495	Chimevisky Lag.	0*	0*	0*	40*	70*	140	190*	50	0	10	10*	0*	0*	510	200
469	Wickett Creek**	0*	0*	0*	0*	0*	0*	300*	610	340*	60	30*	10*	0*	1350	540
Northwestern Totals		0	0	0	580	1150	3010	3420	1590	850	340	180	50	0	11170	4480

* = Interpolations ___ = Ground counts ** = Not included in totals.

Appendix Table B. Weekly estimates of live chum salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Eshamy

Stream Number	Stream Name or Location	6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
		Week Ending Date														
510	Elishansky Cr.		0*	0	0	0*	0	0	0	0*	0	0*	0	0*	0	0
515	South Shore		0*	0	0	0	0*	0	0	0	0	0	0*	0*	0	0
Eshamy Totals			0	0	0	0	0	0	0	0	0	0	0	0	0	0

District: Southwestern

Stream Number	Stream Name or Location	6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
604	Erb Creek	0*	0*	0*	10*	20*	40	20*	0	0	0	0*	0*	0*	90	40
613	Jackson Creek	0*	0*	0*	80*	150*	300	150*	0	0	0*	0*	0*	0*	680	270
630	Bainbridge Cr.	0*	0*	0*	40*	80*	160	140*	110	0	30	20*	10*	0*	590	240
633	Pablo Creek	0*	0*	0*	0*	0*	0*	0*	10	0	0	0*	0*	0*	10	10
666	O'Brien Creek	0*	0*	0*	0*	0*	0	0*	0	0	0	0*	0*	0*	0	0
Southwestern Totals		0	0	0	130	250	500	310	120	0	30	20	10	0	1370	560

* = Interpolations ___ = Ground counts

Appendix Table B. Weekly estimates of live chum salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Montague

Stream Number	Stream Name or Location	Week Ending Date 6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
707	MacLeod Creek	0*	0*	0*	0*	0*	0*	0*	0	0*	0	0*	0*	0*	0	0
710	Hanning Creek	0*	0*	0*	0*	0*	0*	0*	0	0*	0	0*	0*	0*	0	0
711	Quadra Creek	0*	0*	0*	0*	0*	0*	0*	0	0*	0	0*	0*	0*	0	0
726	Montague Creek	0*	0*	0*	0*	0*	0*	0*	0	0*	0	0*	0*	0*	0	0
738	Russell Creek	0*	0*	0*	0*	0*	0*	0*	0	0*	0	0*	0*	0*	0	0
739	Swamp Creek	0*	0*	0*	0*	0*	0*	0*	0	0	0	0	0*	0*	0	0
741	Chalmers River	0*	0*	0*	0*	0*	0*	0*	0	0*	0	0*	0*	0*	0	0
745	Wild Creek	0*	0*	0*	0*	0*	0*	0*	0	0*	0	0	0*	0*	0	0
746	Schuman Creek	0*	0*	0*	0*	0*	0*	0*	0	0	0	0	0*	0*	0	0
747	Cabin Creek	0*	0*	0*	0*	0*	0*	0*	0	0	0	0	0*	0*	0	0
770	Udall Creek	0*	0*	0*	0*	0*	0*	0*	0	0	0	0	0*	0*	0	0
775	Pautzke Creek	0*	0*	0*	0*	0*	0*	0*	0	0	0	0	0*	0*	0	0
Montague Totals		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* = Interpolations ___ = Ground counts

Appendix Table B. Weekly estimate of live chum salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District: Southeastern

Stream Number	Stream Name or Location	Week Ending Date 6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
806	Dog Salmon Cr.	0*	0*	0*	0*	0*	0	0*	0*	0*	0	0	0*	0*	0	0
810	Garden Creek	0*	0*	0*	0*	0*	0	0*	0*	0*	0	280	140*	70*	490	200
812	Nuchek Creek	0*	0*	0*	0*	10*	10	10*	20	10*	0	140	70*	30*	300	120
815	Constantine Cr.	0*	0*	1500	1750*	2000	740	620*	500	1540	2000*	2960	1480*	740*	15830	6330
821	Brown Bear Cr.	0*	0*	0*	0*	0*	0	100*	200	250*	300*	500*	250*	130*	1730	690
828	Cook Creek	0*	0*	50*	110*	220*	450	220*	130*	50	100*	40	20*	10*	1400	560
831	Double Creek	0*	0*	0*	0*	0*	0	0*	0	0*	0	0	0*	0*	0	0
834	Hardy Creek	0*	0*	0*	0*	0*	0*	0*	0	10	0	0*	0*	0*	10	10
835	Scott Creek	0*	0*	0*	0*	0*	0*	0*	0	0*	0	0*	0*	0*	0	0
839	Dan's Creek	0*	0*	0*	0*	0*	0*	0*	0	0*	0	0*	0*	0*	0	0
850	Canoe Creek	0*	0*	0*	60*	130*	250*	500	200	0	0	0	0*	0*	1140	460
Southeastern Totals		0	0	1550	1920	2360	1450	1450	1050	1860	2400	3920	1960	980	20900	8370

* = Interpolations ___ = Ground counts

Appendix Table B. Weekly estimate of live chum salmon in Prince William Sound spawning streams, by management district, 1977 (continued).

District Summaries

DISTRICT	Week Ending Date 6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	Cum. Weekly Totals	Cal. Season Totals EW÷2.5
Eastern	270	1810	4750	9260	16880	15110	9820	14640	12700	11860	14600	9970	11370	133040	53200
Northern	280	2110	4190	8370	9370	13450	11290	13700	11520	9480	4760	2360	0	90880	36360
Coghill@	50	100	1000	7720	14190	20190	26760	15810	9050	5420	2710	1080	0	104080	41640
Northwestern@	0	0	0	580	1150	3010	3420	1590	850	340	180	50	0	11170	4480
Eshamy & Southwestern	0	0	0	130	250	500	310	120	0	30	20	10	0	1370	560
Montague	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Southeastern	0	0	1550	1920	2360	1450	1450	1050	1860	2400	3920	1960	980	20900	8370
PWS Grand Total	600	4020	11490	27980	44200	53710	53050	46910	35980	29530	26190	15430	12350	361440	144610

@ = Northwestern and Coghill districts re-described in regulations with Coghill district having more streams and vice versa. Totals for these districts are, therefore, not directly comparable with previous years.

APPENDIX C

Pink and chum salmon egg deposition indices, by stream, date, and sample zones.

Appendix Table C. Brood year 1977 pink and chum salmon egg deposition data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1977.

Stream name, number, date and sample zone	Pink Salmon Live Eggs	Pink Live Fry	Pink Dead Eggs	Pink Dead Fry	Pink Total	Chum Salmon Live Eggs	Chum Live Fry	Chum Dead Eggs	Chum Dead Fry	Chum Total	Square Feet
Koppen Creek											
#035											
10/21/77											
N6'-8'	Not sampled due to high stream flow										(10)
N8'-10	584	0	14	0	598	400	0	67	0	467	10
N10'-12'	1345	0	700	0	2045	380	0	22	0	402	10
Sub-Total	1929	0	714	0	2643	780	0	89	0	869	20 (30)
08'-10'	1652	0	1610	0	3262	2	0	1	0	3	10
010'-12'	883	0	102	0	985	3	0	1	0	4	10
Sub-Total	2535	0	1712	0	4247	5	0	2	0	7	20
OUPST	579	0	89	0	668	2	0	0	0	2	10
OUPST	1960	0	220	1	2181	0	0	0	0	0	10
OUPST	1089	6	150	0	1245	0	0	0	0	0	10
Sub-Total	3628	6	459	1	4094	2	0	0	0	2	30
Total	8092	6	2885	1	10984	787	0	91	0	878	70 (80)
Control Creek											
#052											
10/22/77											
N6'-8'	Not sampled due to high stream flow										(16)
N8'-10'	Not sampled due to high stream flow										(16)
N10'-12'	2191	26	1704	3	3924	0	0	0	0	0	16
Sub-Total	2191	26	1704	3	3924	0	0	0	0	0	16 (48)
08'-10'	693	245	40	16	994	0	26	0	0	26	16
010'-12'	2152	405	120	0	2677	0	0	0	0	0	16
Sub-Total	2845	650	160	16	3671	0	26	0	0	26	32
OUPST	2447	412	470	1	3330	0	0	0	0	0	16
OUPST	780	1	283	0	1064	0	0	0	0	0	8
Sub-Total	3227	413	753	1	4394	0	0	0	0	0	24
Total	8263	1089	2617	20	11989	0	26	0	0	26	72 (104)

Appendix Table C. Brood year 1977 pink and chum salmon egg deposition data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1977 (continued).

Stream name, number, date and sample zone	Pink Salmon					Chum Salmon					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Indian Creek											
#117											
10/22/77											
06'-8'	446	4	326	1	777	0	0	0	0	0	20
08'-10'	1770	51	273	2	2096	0	89	11	0	100	20
010'-12'	2499	97	91	0	2687	0	562	0	2	564	20
Sub-Total	4715	152	690	3	5560	0	651	11	2	664	60
OUPST	4490	605	162	5	5262	30	247	3	0	280	20
Total	9205	757	852	8	10822	30	898	14	2	944	80
Sawmill Creek											
#133											
10/23/77											
06'-8'	0	0	0	0	0	0	0	0	0	0	20
08'-10'	72	0	13	0	85	31	4	0	0	35	20
010'-12'	1775	110	74	6	1965	3	0	0	0	3	20
Sub-Total	1847	110	87	6	2050	34	4	0	0	38	60
OUPST	381	0	3	0	384	218	0	1	0	219	20
Total	2228	110	90	6	2434	252	4	1	0	257	80
Cannery Creek											
#241											
10/24/77											
N8'-10'	41	26	142	0	209	0	0	0	0	0	16
N8'-10'	15	0	338	0	353	0	0	0	0	0	16
Sub-Total	56	26	480	0	562	0	0	0	0	0	32
N10'-12'	2228	132	1145	0	3505	0	0	0	0	0	16
N10'-12'	572	28	1125	0	1725	0	0	0	0	0	16
Sub-Total	2800	160	2270	0	5230	0	0	0	0	0	32
Total	2856	186	2750	0	5792	0	0	0	0	0	64

Appendix Table C. Brood year 1977 pink and chum salmon egg deposition data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1977 (continued).

Stream name, number, date and sample zone	Pink Salmon					Chum Salmon					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Blackbear Creek											
#276											
10/25/77											
N6'-8'	0	0	0	0	0	0	0	0	0	0	8
N8'-10'	0	0	0	0	0	0	118	4	0	122	8
N10'-12'	0	0	0	0	0	0	0	0	0	0	8
Sub-Total	0	0	0	0	0	0	118	4	0	122	24
NUPST	0	0	0	0	0	0	0	0	0	0	16
Total	0	0	0	0	0	0	118	4	0	122	40
Meacham Creek											
#430											
10/26/77											
N6'-8'	543	0	863	0	1406	0	0	0	0	0	8
N6'-8'	9	0	83	0	92	0	0	0	0	0	8
Sub-Total	552	0	946	0	1498	0	0	0	0	0	16
N8'-10'	474	0	1196	0	1670	0	0	0	0	0	8
N8'-10'	1251	3	627	1	1882	0	0	0	0	0	12
Sub Total	1725	3	1823	1	3552	0	0	0	0	0	20
N10'-12'	1150	0	66	0	1216	2	0	0	0	2	8
N10'-12'	387	0	261	0	648	0	0	0	0	0	8
Sub-Total	1537	0	327	0	1864	2	0	0	0	2	16
Total	3814	3	3096	1	6914	2	0	0	0	2	52
NUPST	268	0	87	0	355	0	0	0	0	0	8
NUPST	1401	0	83	0	1484	0	0	0	0	0	8
Sub-Total	1669	0	170	0	1839	0	0	0	0	0	16
Stream Total	5483	3	3266	1	8753	2	0	0	0	2	68

Appendix Table C. Brood year 1977 pink and chum salmon egg deposition data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1977 (continued).

Stream name, number, date and sample zone	Pink Salmon					Chum Salmon					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Mink Creek											
#480											
10/26/77											
06'-8'	23	0	2	0	25	0	0	0	0	0	10
08'-10'	226	29	6	0	261	0	205	0	0	205	10
010'-12'	2	181	0	5	188	0	0	0	0	0	10
Sub-Total	251	210	8	5	474	0	205	0	0	205	30
OUPST	Not sampled due to high stream flow										(10)
Total	251	210	8	5	474	0	205	0	0	205	30 (40)
Erb Creek											
#604											
10/27/77											
N6'-8'	225	0	830	0	1055	0	0	0	0	0	8
N8'-10'	141	29	162	0	332	0	0	1	0	1	16
N10'-12'	874	326	112	0	1312	0	80	0	0	80	8
Sub-Total	1240	355	1104	0	2699	0	80	1	0	81	32
NUPST	676	0	401	0	1077	0	0	0	0	0	10
Total	1916	355	1505	0	3776	0	80	1	0	81	42
Falls Creek											
#673											
10/27/77											
N6'-8'	23	0	3	0	26	0	0	0	0	0	10
N8'-10'	538	166	72	0	776	0	0	0	0	0	10
N10'-12'	273	217	2	2	498	0	0	0	0	0	10
Sub-Total	834	383	77	2	1296	0	0	0	0	0	30
NUPST	695	3	35	1	734	0	0	0	0	0	10
Total	1529	386	112	3	2030	0	0	0	0	0	40

Appendix Table C. Brood year 1977 pink and chum salmon egg deposition data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1977 (continued).

Stream name, number, date and sample zone	Pink Salmon					Chum Salmon					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Wilby Creek											
#744											
10/28/77											
N6'-8'	659	101	269	32	1061	0	0	0	0	0	10
N8'-10'	3	1	15	0	19	0	0	0	0	0	10
N10'-12'	94	163	107	3	367	0	0	0	0	0	10
Sub-total	756	265	391	35	1447	0	0	0	0	0	30
NUPST	32	558	38	1	629	0	0	0	0	0	10
Total	788	823	429	36	2076	0	0	0	0	0	40
Pautzke Creek											
#775											
10/28/77											
N6'-8'	185	3	36	0	224	0	0	0	0	0	8
N8'-10'	3062	29	77	9	3177	0	0	0	0	0	16
N10'-12'	3007	68	241	0	3316	0	0	0	0	0	16
Sub-total	6254	100	354	9	6717	0	0	0	0	0	40
NUPST	73	0	12	0	85	0	0	0	0	0	8
Total	6327	100	366	9	6802	0	0	0	0	0	48
Constantine Creek											
#815											
10/28/77	Not sampled due to high stream flow. Schedule called for sampling 20 square feet (10 excavations) for the following zones: NIT 9', NIT 10', NIT 11', NIT 12', NIT 13', OIT 6'-8', OIT 8'-10', OIT 10'-12', OUPST.										

Appendix Table C. Brood year 1977 pink and chum salmon egg deposition data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1977 (continued).

Stream name, number, date and sample zone	Pink Salmon					Chum Salmon					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Cook Creek #828 10/29/77											
N8'-10'	1733	4	409	0	2146	0	0	0	0	0	12
N10'-12'	736	0	378	0	1114	4	0	0	0	4	8
Sub-total	2469	4	787	0	3260	4	0	0	0	4	20
06'-8'	1624	3	150	0	1777	0	33	0	0	33	8
08'-10'	1257	278	990	0	2525	0	0	0	0	0	16
010'-12'	1986	0	1036	0	3022	0	0	0	0	0	16
Sub-total	4867	281	2176	0	7324	0	33	0	0	33	40
OUPST	3599	770	257	22	4648	0	0	0	0	0	16
Total	10935	1055	3220	22	15232	4	33	0	0	37	56
Canoe Creek #850 10/29/77											
N6'-8'	2	0	5	0	7	0	0	0	0	0	10
N8'-10'	0	1	2	0	3	0	0	0	0	0	10
N10'-12'	533	22	2	0	557	0	1	0	0	1	10
Sub-total	535	23	9	0	567	0	1	0	0	1	30
010'-12'	0	3	18	0	21	0	0	0	0	0	10
OUPST	34	11	192	0	237	0	0	0	0	0	10
OUPST	318	0	0	0	318	0	0	0	0	0	10
Sub-total	352	11	192	0	555	0	0	0	0	0	30
Total	887	37	219	0	1143	0	1	0	0	1	60

Appendix Table C. Brood year 1977 pink and chum salmon egg deposition data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1977 (continued).

Stream name, number, date and sample zone	Pink Salmon					Chum Salmon					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Bernard Creek											
#861											
10/30/77											
N6'-8'	19	1	156	0	176	0	0	0	0	0	16
N8'-10'	0	0	5	0	5	0	0	0	0	0	16
N10'-12'	989	123	828	0	1940	0	0	0	0	0	16
Sub-total	1008	124	989	0	2121	0	0	0	0	0	48
08'-10'	559	0	1820	0	2379	0	0	0	0	0	16
010'-12'	3	2	236	0	241	0	0	0	0	0	16
Sub-total	562	2	2056	0	2620	0	0	0	0	0	32
Total	1570	126	3045	0	4741	0	0	0	0	0	80

APPENDIX D

Pink and chum salmon pre-emergent fry indices by stream, date, and sample zones.

Appendix Table D. Brood year 1977 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1978.

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Humpback Creek											
#011											
04/07/78											
N8'-10'	0	21	0	0	21	0	0	0	0	0	10
N10'-12'	0	310	0	1	311	0	0	0	0	0	10
Sub Total	0	331	0	1	332	0	0	0	0	0	20
06'-8'	0	3	0	1	4	0	0	0	0	0	10
08'-10'	0	319	9	1	329	0	0	0	0	0	10
010'-12'	0	390	7	1	398	0	0	0	0	0	10
Sub Total	0	712	16	3	731	0	0	0	0	0	30
OUPST	0	681	17	0	698	0	0	0	0	0	20
OUPST	0	1341	274	53	1668	0	0	0	0	0	20
Sub Total	0	2022	291	53	2366	0	0	0	0	0	40
Total	0	3065	307	57	3429	0	0	0	0	0	90
Rogue Creek											
#21											
03/21/78											
N8'-10'	0	0	0	0	0	0	0	0	0	0	8 (8)
N10'-12'	DRY										
Sub Total	0	0	0	0	0	0	0	0	0	0	8 (16)
06'-8'	DRY										(12)
08'-10'	0	0	0	1	1	0	0	0	0	0	12
010'-12'	0	2	182	56	240	0	0	0	0	0	12
Sub Total	0	2	182	57	241	0	0	0	0	0	24 (36)
OUPST	0	0	0	0	0	0	0	0	0	0	8
Total	0	2	182	57	241	0	0	0	0	0	40 (60)

Appendix Table D. Brood year 1977 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1978 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Koppen Creek											
#035											
03/21/78											
N6'-8'	0	0	0	0	0	0	11	0	0	11	20
N8'-10'	0	684	5	0	689	0	868	2	0	870	20
N10'-12'	0	947	0	0	947	0	507	150	0	657	20
Sub Total	0	1631	5	0	1636	0	1386	152	0	1538	60
08'-10'	0	132	912	0	1044	0	0	263	0	263	20
010'-12'	0	257	101	0	358	0	0	0	0	0	20
Sub Total	0	389	1013	0	1402	0	0	263	0	263	40
OUPST	0	758	10	0	768	0	6	0	0	6	12
OUPST	0	142	41	0	183	0	1	0	0	1	12
OUPST	0	604	161	1	766	0	0	0	0	0	12
Sub Total	0	1504	212	1	1717	0	7	0	0	7	36
Total	0	3524	1230	1	4755	0	1393	415	0	1808	136
Control Creek											
#052											
03/22/78											
N6'-8'	0	59	72	0	131	0	0	0	0	0	12
N8'-10'	0	174	5	0	179	0	1	0	0	1	12
N10'-12'	0	292	1025	1	1318	0	6	0	0	6	12
Sub Total	0	525	1102	1	1628	0	7	0	0	7	36
06'-8'	0	1465	1	0	1466	0	5	0	0	5	16
08'-10'	0	1533	210	0	1743	0	370	0	0	370	16
010'-12'	0	3433	43	0	3476	0	0	0	0	0	16
Sub Total	0	6431	254	0	6685	0	375	0	0	375	48
OUPST	0	537	191	0	728	0	0	0	0	0	16
OUPST	0	0	385	0	385	0	0	0	0	0	8
Sub Total	0	537	576	0	1113	0	0	0	0	0	24
Total	0	7493	1932	1	9426	0	382	0	0	382	108

Appendix Table D. Brood year 1977 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1978 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Whalen Creek											
#080											
03/23/78											
N6'-8'	0	0	0	0	0	0	0	0	0	0	16
N8'-10'	0	51	1	0	52	0	0	0	0	0	8
N10'-12'	0	0	50	0	50	0	0	0	0	0	8
Sub Total	0	51	51	0	102	0	0	0	0	0	32
O10'-12'	0	0	95	0	95	0	0	0	0	0	8
OUPST	0	5	383	0	388	0	0	0	0	0	16
OUPST	0	54	615	0	669	0	0	0	0	0	14
Sub Total	0	59	998	0	1057	0	0	0	0	0	30
Total	0	110	1144	0	1254	0	0	0	0	0	70
Sunny River											
#087											
03/23/78											
N6'-8'	0	0	5	0	5	0	1	3	0	4	8
N8'-10'	0	23	0	1	24	0	29	0	0	29	8
N8'-10'	0	86	0	4	90	0	469	0	0	469	8
Sub Total	0	109	0	5	114	0	498	0	0	498	16
N10'-12'	0	226	30	0	256	0	532	0	0	532	8
N10'-12'	0	0	14	0	14	0	4	56	2	62	8
N10'-12'	0	105	2	0	107	0	147	200	0	347	8
Sub Total	0	331	46	0	377	0	683	256	2	941	24
Total	0	440	51	5	496	0	1182	259	2	1443	48
Lagoon Creek											
#099											
03/22/78											
N6'-8'	0	0	0	0	0	0	0	0	0	0	16
N8'-10'	0	0	0	0	0	0	0	0	0	0	12
N10'-12'	0	3	0	0	3	0	250	30	0	280	12
Total	0	3	0	0	3	0	250	30	0	280	40

Appendix Table D. Brood year 1977 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1978 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Indian Creek											
#117											
03/24/78											
06'-8'	0	118	0	0	118	0	1	0	0	1	20
08'-10'	0	742	0	0	742	0	1099	0	0	1099	20
010'-12'	0	1369	0	0	1369	0	170	0	0	170	20
Sub Total	0	2229	0	0	2229	0	1270	0	0	1270	60
OUPST	0	2736	50	0	2786	0	880	0	0	880	20
Total	0	4965	50	0	5015	0	2150	0	0	2150	80
Gregorioff Creek											
#123											
03/24/78											
06'-8'	0	883	2	0	885	0	24	0	0	24	16
08'-10'	0	133	0	0	133	0	0	0	0	0	16
010'-12'	0	811	0	0	811	0	348	0	0	348	16
Sub Total	0	1827	2	0	1829	0	372	0	0	372	48
OUPST	0	326	20	0	346	0	0	0	0	0	16
Total	0	2153	22	0	2175	0	372	0	0	372	64
Gorge Creek											
#131											
03/25/78											
06'-8'	0	0	0	0	0	0	12	0	0	12	10
08'-10'	0	80	0	0	80	0	428	1	0	429	14
010'-12'	0	269	0	2	271	0	366	0	0	366	16
Total	0	349	0	2	351	0	806	1	0	807	40

Appendix Table D. Brood year 1977 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1978 (continued).

Stream name, number, date and sample zone	PINK SALMON Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	CHUM SALMON Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Square Feet
Gladhough Creek											
#106											
03/23/78											
06'-8'	0	0	3	0	3	0	0	0	0	0	10
08'-10'	0	44	54	0	98	0	0	0	0	0	10
010'-12'	0	244	50	0	294	0	0	0	0	0	10
Sub Total	0	288	107	0	395	0	0	0	0	0	30
OUPST	0	47	88	3	138	0	0	0	0	0	10
Total	0	335	195	3	533	0	0	0	0	0	40
Duck River											
#116											
03/24/78											
L06'-8'	0	162	22	0	184	0	18	0	0	18	8
R06'-8'	0	351	12	4	367	0	0	0	0	0	8
Sub Total	0	513	34	4	551	0	18	0	0	18	16
L08'-10'	0	1274	0	0	1274	0	74	0	0	74	10
R08'-10'	0	1134	0	0	1134	0	48	0	0	48	8
Sub Total	0	2408	0	0	2408	0	122	0	0	122	18
L010'-12	0	945	0	0	945	0	45	0	0	45	8
R010'-12'	0	407	500	0	907	0	0	0	0	0	8
Sub Total	0	1352	500	0	1852	0	45	0	0	45	16
01T Sub Total	0	4273	534	4	4811	0	185	0	0	185	50
LOUPST	0	1119	0	0	1119	0	63	0	0	63	8
ROUPST	0	837	480	0	1317	0	51	0	0	51	8
HOUPST	0	1054	0	0	1054	0	468	40	0	508	8
Sub Total	0	3010	480	0	3490	0	582	40	0	622	24
Total	0	7283	1014	4	8301	0	767	40	0	807	74

Appendix Table D. Brood year 1977 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1978 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Sawmill Creek											
#133											
03/25/78											
06'-8'	0	1	0	0	1	0	0	0	0	0	20
08'-10'	0	228	1	0	229	0	108	1	1	110	20
010'-12'	0	344	11	1	356	0	46	0	0	46	20
Sub Total	0	573	12	1	586	0	154	1	1	156	60
OUPST	0	253	2	0	255	0	0	0	0	0	20
Total	0	826	14	1	841	0	154	1	1	156	80
Stellar Creek											
#153											
03/25/78											
06'-8'	0	0	1	0	1	0	0	0	0	0	12
08'-10'	0	3	45	0	48	0	0	0	0	0	14
010'-12'	0	1604	49	3	1656	0	1	0	0	1	14
010'-12'	0	77	0	0	77	0	907	57	2	966	12
Sub Total	0	1681	49	3	1733	0	908	57	2	967	26
OIT Sub Total	0	1684	95	3	1782	0	908	57	2	967	52
OUPST	0	2005	20	0	2025	0	0	0	0	0	16
OUPST	0	390	245	0	635	0	0	0	0	0	16
Sub Total	0	2395	265	0	2660	0	0	0	0	0	32
Total	0	4079	360	3	4442	0	908	57	2	967	84

Appendix Table D. Brood year 1977 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1978 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Cannery Creek											
#241											
03/26/78											
N8'-10'	0	2	10	0	12	0	0	0	0	0	16
N10'-12'	0	2	36	0	38	0	0	0	0	0	16
N10'-12'	0	410	520	0	930	0	0	0	0	0	16
N10'-12'	0	58	92	0	150	0	0	0	0	0	12
Sub Total	0	470	648	0	1118	0	0	0	0	0	44
Total	0	472	658	0	1130	0	0	0	0	0	60
Unakwik Creek											
#265											
03/26/78											
N6'-8'	0	0	0	0	0	0	46	0	0	46	20
N8'-10'	0	1	0	0	1	0	202	0	0	202	20
N10'-12'	0	0	0	0	0	0	17	0	0	17	20
Total	0	1	0	0	1	0	265	0	0	265	60
Black bear Creek											
#276											
03/26/78											
N6'-8'	0	0	0	0	0	0	0	0	0	0	8
N8'-10'	0	0	0	0	0	0	314	0	0	314	8
N10'-12'	0	0	0	0	0	0	110	0	1	111	8
Sub Total	0	0	0	0	0	0	424	0	1	425	24
NUPST	0	0	0	0	0	0	0	0	0	0	10
Total	0	0	0	0	0	0	424	0	1	425	34

Appendix Table D. Brood year 1977 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1978 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Coghill River #322											
03/27/78											
N5'	0	312	76	1	389	0	0	0	0	0	16
N5'	0	3	0	0	3	0	8	0	0	8	14
Sub Total	0	315	76	1	392	0	8	0	0	8	30
OUPST	0	1384	1465	0	2849	0	4	0	0	4	40
OUPST	0	932	2130	71	3133	0	2	0	0	2	40
OUPST	0	1429	2170	86	3685	0	0	0	0	0	40
Sub Total	0	3745	5765	157	9667	0	6	0	0	6	120
Total	0	4060	5841	158	10059	0	14	0	0	14	150
Mill Creek #421											
03/27/78											
N6'-8'	0	0	0	0	0	0	209	2	0	211	16
N8'-10'	0	61	0	0	61	0	603	51	1	655	16
N10'-12'	0	0	0	0	0	0	679	23	16	718	16
Sub Total	0	61	0	0	61	0	1491	76	17	1584	48
NUPST	0	0	2	0	2	0	0	0	0	0	12
Total	0	61	2	0	63	0	1491	76	17	1584	60
Pirate Creek #428											
03/28/78											
N6'-8'	0	0	0	0	0	0	0	0	0	0	10
N8'-10'	0	1	0	0	1	0	0	0	0	0	10
N10'-12'	0	6	0	0	6	0	0	0	0	0	10
Sub Total	0	7	0	0	7	0	0	0	0	0	30
NUPST	0	1436	1	0	1437	0	0	0	0	0	10
Total	0	1443	1	0	1444	0	0	0	0	0	40

Appendix Table D. Brood year 1977 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1978 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Meacham Creek											
#430											
03/28/78											
N6'-8'	0	0	44	0	44	0	0	0	0	0	16
N8'-10'	0	0	585	0	585	0	0	26	0	26	8
N8'-10'	0	5	665	0	670	0	0	0	0	0	12
Sub Total	0	5	1250	0	1255	0	0	26	0	26	20
N11'	0	58	350	2	410	0	0	0	0	0	8
N12'	0	1052	70	0	1122	0	79	0	0	79	16
Sub Total	0	1110	420	2	1532	0	79	0	0	79	24
OIT Sub Total	0	1115	1714	2	2831	0	79	26	0	105	60
NUPST	0	1434	40	0	1474	0	0	0	0	0	12
NUPST	0	1580	5	0	1585	0	0	0	0	0	10
Sub Total	0	3014	45	0	3059	0	0	0	0	0	22
Total	0	4129	1759	2	5890	0	79	26	0	105	82
Paulson Creek											
#455											
03/28/78											
N6'-8'	0	0	0	0	0	0	0	0	0	0	12
N8'-10'	0	6	0	0	6	0	0	0	0	0	20
N10'-12'	0	7	0	2	9	0	7	0	1	8	12
Sub Total	0	13	0	2	15	0	7	0	1	8	44
NUPST	0	1250	0	0	1250	0	405	0	0	405	12
Total	0	1263	0	2	1265	0	412	0	1	413	56

Appendix Table D. Brood year 1977 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1978 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Mink Creek											
#480											
03/29/78											
06'-8'	0	196	151	0	347	0	0	0	0	0	20
08'-10'	0	764	1	1	766	0	759	2	0	761	20
010'-12'	0	1863	2	0	1865	0	5	0	0	5	20
Sub Total	0	2823	154	1	2978	0	764	2	0	766	60
OUPST	0	468	52	1	521	0	0	0	0	0	20
Total	0	3291	206	2	3499	0	764	2	0	766	80
Erb Creek											
#604											
03/29/78											
N6'-8'	0	2	0	0	2	0	0	0	0	0	8
N8'-10'	0	75	40	0	115	0	0	0	0	0	16
N10'-12'	0	1223	16	0	1239	0	9	0	0	9	8
Sub Total	0	1300	56	0	1356	0	9	0	0	9	32
NUPST	0	854	200	0	1054	0	0	0	0	0	8
Total	0	2154	256	0	2410	0	9	0	0	9	40
Totemoff Creek											
#621											
03/29/78											
N6'-8'	0	0	0	0	0	0	0	0	0	0	8
N8'-10'	0	105	111	0	216	0	0	0	0	0	12
N10'-12'	0	34	99	0	133	0	0	0	0	0	12
Sub Total	0	139	210	0	349	0	0	0	0	0	32
NUPST	0	346	426	0	772	0	0	0	0	0	12
Total	0	485	636	0	1121	0	0	0	0	0	44

Appendix Table D. Brood year 1977 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1978 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Bainbridge Creek											
#630											
03/30/78											
N8'-10'	0	0	412	0	412	0	0	1	0	1	16
N10'-12'	0	45	1132	0	1177	0	0	0	0	0	16
Sub Total	0	45	1544	0	1589	0	0	1	0	1	32
010'-12'	0	0	2200	0	2200	0	0	0	0	0	20
OUPST	0	423	3370	13	3806	0	0	0	0	0	28
Total	0	468	7114	13	7595	0	0	1	0	1	80
Claw Creek											
#632											
03/30/78											
N6'-8'	0	0	0	0	0	0	0	0	0	0	8
N8'-10'	0	171	0	0	171	0	0	0	0	0	8
N10'-12'	0	1060	0	1	1061	0	0	0	0	0	8
Sub Total	0	1231	0	1	1232	0	0	0	0	0	24
NUPST	0	403	0	4	407	0	0	0	0	0	8
Total	0	1634	0	5	1639	0	0	0	0	0	32
Falls Creek											
#673											
03/31/78											
N6'-8'	0	6	0	0	6	0	0	0	0	0	16
N8'-10'	0	1050	0	0	1050	0	0	0	0	0	16
N10'-12'	0	996	159	2	1157	0	0	0	0	0	16
Sub Total	0	2052	159	2	2213	0	0	0	0	0	48
NUPST	0	221	42	0	263	0	0	0	0	0	24
Total	0	2273	201	2	2476	0	0	0	0	0	72

Appendix Table D. Brood year 1977 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1978 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Hayden Creek											
#677											
03/30/78											
N6'-8'	0	10	1	0	11	0	0	0	0	0	12
N8'-10'	0	1483	0	0	1483	0	0	0	0	0	10
N10'-12'	0	1079	0	0	1079	0	0	0	0	0	10
Sub Total	0	2572	1	0	2573	0	0	0	0	0	32
NUPST	0	1121	125	0	1246	0	0	0	0	0	12
Total	0	3693	126	0	3819	0	0	0	0	0	44
McLeod Creek											
#707											
04/04/78											
N6'-8'	0	0	0	0	0	0	0	0	0	0	20
N8'-10'	0	0	0	0	0	0	0	0	0	0	10
N10'-12'	0	0	0	0	0	0	0	0	0	0	20
Sub Total	0	0	0	0	0	0	0	0	0	0	50
NUPST	0	0	1	0	1	0	0	0	0	0	10
NUPST	0	0	0	0	0	0	0	0	0	0	10
Sub Total	0	0	1	0	1	0	0	0	0	0	20
06'-8'	0	0	0	0	0	0	0	0	0	0	10
08'-10'	0	0	0	0	0	0	0	0	0	0	10
010'-12'	0	0	0	0	0	0	0	0	0	0	20
Sub Total	0	0	0	0	0	0	0	0	0	0	40
OUPST	0	0	0	30	30	0	0	0	0	0	20
Total	0	0	1	30	31	0	0	0	0	0	130

Appendix Table D. Brood year 1977 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1978 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Wilby Creek											
#744											
04/04/78											
N6'-8'	0	2	0	0	2	0	0	0	0	0	8
N8'-10'	0	461	250	0	711	0	0	0	0	0	8
N10'-12'	0	0	0	0	0	0	0	0	0	0	8
Sub Total	0	463	250	0	713	0	0	0	0	0	24
NUPST	0	1	468	0	469	0	0	0	0	0	24
Total	0	464	718	0	1182	0	0	0	0	0	48
Cabin Creek											
#747											
04/05/78											
N6'-8'	0	0	0	0	0	0	0	0	0	0	20
N8'-10'	0	9	270	0	279	0	0	0	0	0	20
N10'-12'	0	391	1531	0	1922	0	0	0	0	0	20
Sub Total	0	400	1801	0	2201	0	0	0	0	0	60
NUPST	0	93	805	0	898	0	0	0	0	0	20
Total	0	493	2606	0	3099	0	0	0	0	0	80
Shad Creek											
#749											
04/05/78											
N6'-8'	0	4	0	0	4	0	0	0	0	0	8
N8'-10'	0	509	75	0	584	0	0	0	0	0	16
N10'-12'	0	49	238	0	287	0	0	0	0	0	16
Sub Total	0	562	313	0	875	0	0	0	0	0	40
06'-8'	0	1	0	0	1	0	0	0	0	0	10
08'-10'	0	1	0	0	1	0	0	0	0	0	10
Sub Total	0	2	0	0	2	0	0	0	0	0	20
OUPST	0	0	0	0	0	0	0	0	0	0	20
Total	0	564	313	0	877	0	0	0	0	0	80

Appendix Table D. Brood year 1977 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1978 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Pautzke Creek											
#775											
04/05/78											
N6'-8'	0	430	2	0	432	0	0	0	0	0	10
N8'-10'	0	2267	0	0	2267	0	0	0	0	0	16
N10'-12'	0	365	0	0	365	0	0	0	0	0	14
Total	0	3062	2	0	3064	0	0	0	0	0	30
Constantine Creek											
#815											
04/06/78											
N9'	0	977	7	0	984	0	0	0	0	0	20
N10'	0	248	63	0	311	0	172	0	0	172	20
N11'	0	440	32	0	472	0	0	0	0	0	20
N12'	0	692	273	30	995	0	211	0	0	211	20
N13'	0	560	50	35	645	0	229	33	8	270	20
Sub Total	0	2917	425	65	3407	0	612	33	8	653	100
06'-8'	0	1229	20	2	1251	0	112	0	0	112	20
08'-10'	0	1170	128	0	1298	0	1	0	0	1	20
010'-12'	0	48	632	1	681	0	0	0	0	0	20
Sub Total	0	2447	780	3	3230	0	113	0	0	113	60
OUPST	0	540	266	1	807	0	1	0	0	1	20
Total	0	5904	1471	69	7444	0	726	33	8	767	180

Appendix Table D. Brood year 1977 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1978 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Cook Creek											
#828											
04/06/78											
N8'-10'	0	21	129	1	151	0	0	0	0	0	16
N10'-12'	0	0	100	0	100	0	0	0	0	0	8
Sub Total	0	21	229	1	251	0	0	0	0	0	24
06'-8'	0	52	165	0	217	0	0	0	0	0	8
08'-10'	0	5	120	0	125	0	0	0	0	0	8
010'-12'	0	724	2090	0	2814	0	0	0	0	0	24
Sub Total	0	781	2375	0	3156	0	0	0	0	0	40
OUPST	0	1	22	0	23	0	0	0	0	0	12
OUPST	0	552	420	0	972	0	0	0	0	0	12
Sub Total	0	553	442	0	995	0	0	0	0	0	24
Total	0	1355	3046	1	4402	0	0	0	0	0	64
Canoe Creek											
#850											
04/07/78											
N6'-8'	0	2	0	1	3	0	0	0	0	0	10
N8'-10'	0	3	0	0	3	0	0	0	0	0	10
N10'-12'	0	126	125	3	254	0	0	0	0	0	10
Sub Total	0	131	125	4	260	0	0	0	0	0	30
010'-12'	0	487	51	1	539	0	0	0	0	0	10
OUPST	0	3	6	0	9	0	0	0	0	0	8
OUPST	0	437	500	1	938	0	5	0	0	5	24
Sub Total	0	440	506	1	947	0	5	0	0	5	32
Total	0	1058	682	6	1746	0	5	0	0	5	72

Appendix Table D. Brood year 1977 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, and sample zone, Prince William Sound, 1978 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Bernard Creek											
#861											
04/07/78											
N6'-8'	0	0	0	0	0	0	0	0	0	0	16
N8'-10'	0	4	440	0	444	0	0	0	0	0	16
N10'-12'	0	24	132	1	157	0	0	50	0	50	16
Sub Total	0	28	572	1	601	0	0	50	0	50	48
08'-10'	0	21	390	0	411	0	0	0	0	0	16
010'-12'	0	313	214	0	527	0	0	0	0	0	16
Sub Total	0	334	604	0	938	0	0	0	0	0	32
OUPST	0	3	0	0	3	0	0	0	0	0	12
OUPST	0	1227	230	0	1457	0	0	0	0	0	12
OUPST	0	383	0	0	383	0	0	0	0	0	12
Sub Total	0	1613	230	0	1843	0	0	0	0	0	36
Total	0	1975	1406	1	3382	0	0	50	0	50	116

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