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Catches and Escapements of Pacific Salmon in British Columbia, 1976 - 1979

K. V. Aro

Department of Fisheries and Oceans
Resource Services Branch
Pacific Biological Station
Nanaimo, British Columbia

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Canadian Data Report of Fisheries
and Aquatic Sciences No. 291

April 1981

CATCHES AND ESCAPEMENTS OF PACIFIC SALMON IN
BRITISH COLUMBIA, 1976-1979

by

K. V. Aro

Department of Fisheries and Oceans
Resource Services Branch
Pacific Biological Station
Nanaimo, British Columbia V9R 5K6

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ABSTRACT

Aro, K. V. 1981. Catches and escapements of Pacific salmon in British Columbia, 1976-1979. Can. Data Rep. Fish. Aquat. Sci. 291: iii + 29 p.

The commercial catches and escapements of Pacific salmon in British Columbia are summarized for the years 1976 to 1979.

RÉSUMÉ

Aro, K. V. 1981. Catches and escapements of Pacific salmon in British Columbia, 1976-1979. Can. Data Rep. Fish. Aquat. Sci. 291: iii + 29 p.

Les données sur les prises commerciales et sur la remontée du Saumon du Pacifique en Colombie-Britannique sont résumées pour la période 1976-1979.

INTRODUCTION

The annual catches and annual escapement estimates of Pacific salmon in British Columbia were summarized by Aro et al. (1977) for the years 1965 to 1975. This report brings together records of annual catches (Tables 1 to 20) and annual escapement estimates (Tables 21 to 25) for the years 1976 to 1979 in a similar manner. The purpose of summarizing catch and escapement in this time series form is to allow examination of the data for any trends in recent years in the distribution of catches by area and gear and in the abundance of spawning populations.

Commercial catches and escapements of the five species of Pacific salmon native to British Columbia are reported annually by the Canada Department of Fisheries and Oceans. Catches are reported by statistical areas, by time periods, and by gear types (British Columbia Catch Statistics, Department of Fisheries and Oceans Pacific Region). Escapements on spawning grounds are observed annually by officers of the Fisheries and Marine Service and reported on form F3481 of the Fisheries and Marine Service.

Catches are given by year, by gear type, and statistical area for sockeye in Tables 1 to 4, for pink in Tables 5 to 8, for chum in Tables 9 to 12, for coho in Tables 13 to 16, and chinook in Tables 17 to 20. With the exception of Areas "Alaska", "C", the subdivisions of Area 3 (Subareas 3X, 3Y, and 3Z) and the Taku and Stikine rivers, the statistical areas used in reporting the catches are shown in Fig. 1.

Troll catches by Canadian fishermen off Southeastern Alaska and off Washington, Oregon, and California are reported under Areas "Alaska" and "C", respectively.

Escapement estimates are given by years and statistical areas in Tables 21 to 25 for sockeye, pink, chum, coho, and chinook, respectively. The escapement estimates for each area, with the exception of some estimates to Areas 3, 4, and 29, were obtained by summing for each species and area the fishery officers' estimates of escapements to individual spawning streams or areas. The number of spawners was used wherever reported in numbers. Wherever escapements were reported by the letter categories prescribed in the spawning reports the numerical mid-points were used. In the estimates of sockeye escapements in Area 3, management biologists' estimates of escapements to the Bowser, Damdochax, Kwinageese, and Meziaden systems were used. For sockeye and pink in Area 4 the escapements above the Babine River counting fence (total count less the commercial and subsistence take at and upstream from the counting fence) were used instead of the fishery officers' estimates of escapements to individual spawning areas upstream from the counting fence. Instead of fishery officers' estimates of sockeye and pink spawners to Area 29 the estimated numbers of spawners in the area were obtained from annual reports of the International Pacific Salmon Fisheries Commission. The estimated escapements to the Taku and Stikine rivers have not been included in the tables.

REFERENCES

Aro, K. V., P. L. Miller, and J. McDonald. 1977. Catches and escapements of Pacific salmon in British Columbia, 1965-1975. Fish. Mar. Serv. Data Rep. 39: 67 p.

Table 1. Commercial catches of sockeye salmon in British Columbia, 1976.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	-	-
1	7,417	5,418	1,151	13,986
2E	930	1,209	203	2,342
2W	632	4,543	27	5,202
3X	9,139	36,214	19	45,372
3Y	12,737	25,937	58	38,732
3Z	132,858	3,577	127	136,562
4	635,150	16,476	236	651,862
5	18,589	487	98	19,174
6	4,633	9,899	130	14,662
7	10,684	43,844	506	55,034
8	94,321	107,831	660	202,812
9	551,916	61,750	3,829	617,495
10	92,165	24	992	93,181
30	-	-	9	9
11	2,682	-	3,630	6,312
12	141,378	287,294	9,881	438,553
13	9,860	98,379	250	108,489
14	65	0	447	512
15	0	-	53	53
16	9,912	8	114	10,034
17	2,582	34,201	17,166	53,949
18	1,434	49,519	1,144	52,097
19	-	-	-	-
20	191,949	500,025	2,464	694,438
21	-	-	448	448
22	-	-	-	-
23	337,726	391,014	16,699	745,439
24	241	4,666	20,626	25,533
25	0	610	2,739	3,349
26	36	602	5,360	5,998
27	115,357	83,439	14,483	213,279
C	-	-	597	597
28	-	-	-	-
29	555,268	-	3,020	558,288
Total	2,939,661	1,766,966	107,166	4,813,793

Table 2. Commercial catches of sockeye salmon in British Columbia, 1977.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	0	0
1	23,238	13,294	2,107	38,639
2E	833	15	418	1,266
2W	275	42,990	86	43,351
3X	58,703	117,104	198	176,005
3Y	21,143	112,801	131	134,075
3Z	326,365	90,476	515	417,356
4	813,988	44,904	163	859,055
5	21,568	7,153	47	28,768
6	7,042	26,080	92	33,214
7	13,638	29,582	1,334	44,554
8	36,773	51,564	1,022	89,359
9	497,154	163,315	7,247	667,716
10	54,725	103	697	55,525
30	-	-	77	77
11	4,232	145	10,829	15,206
12	148,976	282,634	11,296	442,906
13	13,359	158,436	812	172,607
14	0	390	230	620
15	1	-	166	167
16	29,845	107,797	325	137,967
17	1,352	821	4,990	7,163
18	5,005	10,504	2,776	18,285
19	-	-	-	-
20	157,584	416,286	2,053	575,923
21	-	-	2,341	2,341
22	-	-	-	-
23	419,868	681,343	22,300	1,123,511
24	906	1	13,991	14,898
25	0	221	2,010	2,231
26	271	498	2,431	3,200
27	14,921	28,824	22,515	66,260
C	-	-	417	417
28	-	-	-	-
29	1,163,167	-	12,950	1,176,117
Total	3,834,932	2,387,281	126,566	6,348,779

Table 3. Commercial catches of sockeye salmon in British Columbia, 1978.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	-	-
1	894	4,797	799	6,490
2E	85	60	3,289	3,434
2W	1,584	11,358	141	13,083
3X	37,470	35,556	39	73,065
3Y	30,270	38,215	36	68,521
3Z	107,034	38,385	199	145,618
4	394,214	11,733	51	405,998
5	31,066	3,480	174	34,720
6	9,853	45,976	1,212	57,041
7	12,994	17,632	3,537	34,163
8	19,645	31,220	3,334	54,199
9	550,729	17,953	10,401	579,083
10	233,307	215	749	234,271
30	-	-	739	739
11	21,416	-	118,751	140,167
12	250,104	2,078,952	86,234	2,415,290
13	23,726	837,911	35,595	897,232
14	27	-	2,985	3,012
15	-	-	401	401
16	4,783	30,878	2,322	37,983
17	2,529	4,468	16,620	23,617
18	460	9,375	5,124	14,959
19	-	-	-	-
20	118,280	353,507	4,219	476,006
21	-	-	11,559	11,559
22	-	-	-	-
23	112,227	72,873	68,455	253,555
24	840	7,834	146,426	155,100
25	44	173	216,634	216,851
26	2,015	-	104,456	106,471
27	1,798	-	165,197	166,995
C	-	-	-	-
28	-	-	-	-
29	518,117	-	63,259	581,376
Total	2,485,511	3,652,551	1,072,937	7,210,999

Table 4. Commercial catches of sockeye salmon in British Columbia, 1979.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	-	-
Taku	11,987	-	-	11,987
Stikine	10,534	-	-	10,534
1	4,220	65,288	4,813	74,321
2E	-	-	645	645
2W	1,001	179,690	289	180,980
3X	55,333	76,931	188	132,452
3Y	22,138	45,585	79	67,802
3Z	16,557	1,119	1	17,677
4	1,214,058	12,757	542	1,227,357
5	19,673	4,974	60	24,707
6	8,640	77,952	198	86,790
7	7,343	69,174	890	77,407
8	105,408	114,726	3,653	223,787
9	28,349	-	299	28,648
10	11,022	-	371	11,393
30	-	-	3	3
11	5,790	-	8,093	13,883
12	60,593	408,502	7,333	476,428
13	26,332	480,787	17,992	525,111
14	-	-	2,018	2,018
15	-	-	235	235
16	-	-	186	186
17	1,018	-	3,494	4,512
18	387	8,222	1,293	9,902
19	-	-	-	-
20	44,867	278,408	1,537	324,812
21	-	-	15,670	15,670
22	-	-	-	-
23	203,596	524,129	93,006	820,731
24	227	-	132,204	132,431
25	-	-	65,176	65,176
26	-	-	11,800	11,800
27	823	761	13,637	15,221
C	-	-	-	-
28	-	-	-	-
29	1,057,379	-	40,535	1,097,914
Total	2,917,275	2,349,005	426,240	5,692,520

Table 5. Commercial catches of pink salmon in British Columbia, 1976.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	-	-
1	1,482	3,862	1,123	6,467
2E	16,335	1,607,072	4,790	1,628,197
2W	337	12,118	259	12,714
3X	8,976	44,216	518	53,710
3Y	24,653	59,640	1,163	85,456
3Z	18,369	3,666	43	22,078
4	176,687	29,584	461	206,732
5	228,363	297,249	874	526,486
6	70,021	417,063	11,352	498,436
7	62,168	424,371	13,549	500,088
8	426,128	1,492,718	26,470	1,945,316
9	378,054	209,447	66,462	653,963
10	10,678	1	35,693	46,372
30	-	-	1,096	1,096
11	3,712	-	110,231	113,943
12	194,920	3,115,887	349,678	3,660,485
13	1,729	114,115	1,252	117,096
14	0	0	78	78
15	0	-	151	151
16	62	0	247	309
17	2	5,628	194	5,824
18	67	1,681	0	1,748
19	-	-	-	-
20	917	20,832	8	21,757
21	-	-	2,421	2,421
22	-	-	-	-
23	1,843	2,413	33,943	38,199
24	381	0	34,607	34,988
25	0	537	16,843	17,380
26	52	16,531	22,881	39,464
27	20,236	42,976	39,458	102,670
C	-	-	4,548	4,548
28	-	-	-	-
29	533	-	160	693
Total	1,646,705	7,921,607	780,553	10,348,865

Table 6. Commercial catches of pink salmon in British Columbia, 1977.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	0	0
1	5,048	37,595	67,063	109,706
2E	1,508	1,459	6,710	9,677
2W	703	52,170	1,092	53,965
3X	66,149	562,914	9,081	638,144
3Y	59,640	496,276	6,758	562,674
3Z	207,073	729,924	176	937,173
4	1,062,708	321,003	7,853	1,391,564
5	171,008	162,690	3,216	336,914
6	66,706	337,432	5,855	409,993
7	87,725	199,681	32,942	320,348
8	26,592	67,517	38,720	132,829
9	160,677	29,716	39,361	229,754
10	17,565	330	5,174	23,069
30	-	-	1,228	1,228
11	5,509	181	347,513	353,203
12	73,609	1,099,706	289,756	1,463,071
13	10,108	368,068	6,256	384,432
14	0	126	4,031	4,157
15	1	-	2,979	2,980
16	2,619	29,853	293	32,765
17	531	4,400	5,770	10,701
18	744	17,882	5,399	24,025
19	-	-	-	-
20	42,512	803,829	27,221	873,562
21	-	-	107,367	107,367
22	-	-	-	-
23	119	1,046	591,500	592,665
24	92	0	340,093	340,185
25	0	57	77,485	77,542
26	5	5	122,740	122,750
27	1,179	3,454	462,061	466,694
C	-	-	49,237	49,237
28	-	-	-	-
29	282,486	-	11,919	294,405
Total	2,352,616	5,327,314	2,676,849	10,356,779

Table 7. Commercial catches of pink salmon in British Columbia, 1978.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	-	-
1	167	17,680	57,445	75,292
2E	2,453	243,993	12,732	259,178
2W	1,176	222,863	5,245	229,284
3X	47,280	546,275	21,124	614,679
3Y	57,110	872,278	5,845	935,233
3Z	101,309	1,048,823	11,165	1,161,297
4	286,595	79,817	13,742	380,154
5	107,231	226,022	4,843	338,096
6	79,029	2,654,810	18,778	2,752,617
7	29,474	299,483	15,860	344,817
8	510,831	1,174,274	20,697	1,705,802
9	61,069	139,599	17,401	218,069
10	15,718	754	1,889	18,361
30	-	-	617	617
11	11,794	-	58,464	70,258
12	111,382	1,013,511	49,142	1,174,035
13	4,001	88,978	2,692	95,671
14	-	-	2,709	2,709
15	-	-	86	86
16	37	252	341	630
17	-	-	230	230
18	-	42	3	45
19	-	-	-	-
20	153	343	22	518
21	-	-	446	446
22	-	-	-	-
23	40	-	4,493	4,533
24	52	1,568	4,417	6,037
25	-	17	9,373	9,390
26	579	-	8,319	8,898
27	355	-	78,909	79,264
C	-	-	-	-
28	-	-	-	-
29	527	-	627	1,154
Total	1,428,362	8,631,382	427,656	10,487,400

Table 8. Commercial catches of pink salmon in British Columbia, 1979.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	-	-
Taku	13,317	-	-	13,317
Stikine	1,994	-	-	1,994
1	1,189	126,096	112,766	240,051
2E	-	-	26,041	26,041
2W	976	178,860	16,747	196,583
3X	28,595	120,843	1,546	150,984
3Y	6,633	61,359	575	68,567
3Z	5,079	2,953	15	8,047
4	605,277	40,269	4,297	649,843
5	24,896	81,307	2,633	108,836
6	21,271	702,984	8,228	732,483
7	34,027	534,100	39,138	607,265
8	94,769	587,238	25,152	707,159
9	23,676	-	5,825	29,501
10	6,788	-	6,667	13,455
30	-	-	3,034	3,034
11	2,585	-	381,629	384,214
12	30,747	1,478,715	263,608	1,773,070
13	6,977	306,548	14,869	328,394
14	-	-	12,222	12,222
15	-	-	320	320
16	-	-	537	537
17	-	-	5,003	5,003
18	4	1,498	1,495	2,997
19	-	-	-	-
20	23,686	2,540,436	20,886	2,585,008
21	-	-	99,567	99,567
22	-	-	-	-
23	682	5,843	827,503	834,028
24	-	-	871,333	871,333
25	-	-	496,728	496,728
26	-	-	230,045	230,045
27	246	2,133	539,286	541,665
C	-	-	-	-
28	-	-	-	-
29	85,869	-	17,814	103,683
Total	1,019,283	6,771,182	4,035,509	11,825,974

Table 9. Commercial catches of chum salmon in British Columbia, 1976.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	-	-
1	1,476	1,089	197	2,762
2E	28,939	18,766	70	47,775
2W	372	2,479	24	2,875
3X	1,773	2,720	111	4,604
3Y	3,779	3,711	96	7,586
3Z	13,448	805	73	14,326
4	11,722	2,156	104	13,982
5	12,550	885	26	13,461
6	6,172	7,134	636	13,942
7	106,661	42,353	302	149,316
8	204,573	129,081	353	334,007
9	13,729	7,184	164	21,077
10	3,599	0	69	3,668
30	-	-	11	11
11	3,828	-	293	4,121
12	81,080	351,680	918	433,678
13	75,204	278,482	340	354,026
14	28,752	38,197	30	66,979
15	0	-	2	2
16	1,438	0	2	1,440
17	65	318	88	471
18	120	4,980	1	5,101
19	-	-	-	-
20	35,960	77,045	167	113,172
21	-	-	86	86
22	-	-	-	-
23	2,509	180	545	3,234
24	6,581	61,582	403	68,566
25	12,018	6,634	650	19,302
26	1,403	7,185	513	9,101
27	12,787	4,468	849	18,104
C	-	-	37	37
28	-	-	-	-
29	174,094	-	13	174,107
Total	844,632	1,049,114	7,173	1,900,919

Table 10. Commercial catches of chum salmon in British Columbia, 1977.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	0	0
1	1,732	3,439	1,004	6,175
2E	113,463	57,358	571	171,392
2W	8,234	10,481	216	18,931
3X	16,576	29,629	407	46,612
3Y	12,048	30,506	1,187	43,741
3Z	113,952	82,964	346	197,262
4	58,252	8,287	250	66,789
5	26,474	5,893	106	32,473
6	10,108	45,222	109	55,439
7	44,229	31,395	1,294	76,918
8	64,095	15,429	403	79,927
9	33,856	8,479	487	42,822
10	12,722	1,014	127	13,863
30	-	-	18	18
11	11,271	32	1,350	12,653
12	29,080	90,161	2,375	121,616
13	5,992	34,590	1,074	41,656
14	0	0	149	149
15	16	-	9	25
16	20	141	2	163
17	3	19	49	71
18	1	21	22	44
19	-	-	-	-
20	9,225	12,716	188	22,129
21	-	-	272	272
22	-	-	-	-
23	73	394	2,630	3,097
24	348	1,468	1,856	3,672
25	473	1,733	523	2,729
26	28	24	821	873
27	4,526	4,311	3,972	12,809
C	-	-	94	94
28	-	-	-	-
29	14,364	-	22	14,386
Total	591,161	475,706	21,933	1,088,800

Table 11. Commercial catches of chum salmon in British Columbia, 1978.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	-	-
1	1,943	3,980	2,904	8,827
2E	89,455	25,794	920	116,169
2W	506	10,430	681	11,617
3X	18,566	22,755	1,056	42,377
3Y	13,232	25,975	497	39,704
3Z	37,963	31,024	602	69,589
4	54,448	7,014	338	61,800
5	33,713	6,218	206	40,137
6	73,009	151,146	1,180	225,335
7	287,672	45,249	1,961	334,882
8	86,471	38,947	777	126,195
9	49,295	6,027	1,556	56,878
10	38,445	12	159	38,616
30	-	-	427	427
11	25,404	-	8,872	34,276
12	145,972	565,782	3,430	715,184
13	74,620	456,360	4,845	535,825
14	32,363	67,790	56	100,209
15	-	-	134	134
16	19	52	14	85
17	17	-	296	313
18	48	17	53	118
19	-	-	-	-
20	30,951	24,069	353	55,373
21	-	-	264	264
22	-	-	-	-
23	16,389	53,533	1,766	71,688
24	14,127	110,698	3,016	127,841
25	1,377	3,885	4,479	9,741
26	1,021	-	4,153	5,174
27	473	-	17,781	18,254
C	-	-	-	-
28	-	-	-	-
29	124,431	-	320	124,751
Total	1,251,930	1,656,757	63,096	2,971,783

Table 12. Commercial catches of chum salmon in British Columbia, 1979.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	-	-
Taku	15,170	-	-	15,170
Stikine	424	-	-	424
1	852	5,332	2,712	8,896
2E	-	-	1,059	1,059
2W	536	10,196	1,090	11,822
3X	13,923	12,185	251	26,359
3Y	7,246	8,009	687	15,942
3Z	19,956	1,379	9	21,344
4	51,830	2,673	475	54,978
5	13,003	2,215	127	15,345
6	12,055	76,550	436	89,041
7	100,326	112,981	2,817	216,124
8	108,748	100,553	1,401	210,702
9	9,114	-	482	9,596
10	5,491	-	238	5,729
30	-	-	22	22
11	10,908	-	6,258	17,166
12	12,295	69,288	2,726	84,309
13	2,169	18,758	393	21,320
14	4,228	2,212	163	6,603
15	-	-	83	83
16	4	-	10	14
17	-	-	64	64
18	16	5	2	23
19	-	-	-	-
20	631	3,268	20	3,919
21	-	-	216	216
22	-	-	-	-
23	1,880	202	3,332	5,414
24	-	1,200	4,186	5,386
25	-	-	2,936	2,936
26	-	-	1,445	1,445
27	95	264	6,877	7,236
C	-	-	-	-
28	-	-	-	-
29	7,719	-	53	7,772
Total	398,619	427,270	40,570	866,459

Table 13. Commercial catches of coho salmon in British Columbia, 1976.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	-	-
1	2,687	1,400	62,974	67,061
2E	2,535	7,071	183,658	193,264
2W	343	4,281	11,244	15,868
3X	1,621	3,741	7,334	12,696
3Y	3,284	2,009	9,737	15,030
3Z	7,353	474	789	8,616
4	26,205	981	29,316	56,502
5	18,351	3,752	31,989	54,092
6	11,600	22,542	27,371	61,513
7	14,651	23,763	82,347	120,761
8	40,462	45,023	83,510	168,995
9	35,022	8,480	29,270	72,772
10	14,836	14	48,155	63,005
30	-	-	7,412	7,412
11	1,560	-	227,270	228,830
12	40,628	117,772	97,348	255,748
13	24,211	20,321	12,515	57,047
14	6,514	2,177	43,024	51,715
15	0	-	10,204	10,204
16	1,167	18	2,846	4,031
17	130	572	3,209	3,911
18	68	1,514	670	2,252
19	-	-	-	-
20	74,482	174,501	2,892	251,875
21	-	-	89,901	89,901
22	-	-	-	-
23	8,642	1,364	627,775	637,781
24	1,720	75	418,353	420,148
25	586	635	110,301	111,522
26	63	1,006	220,578	221,647
27	21,325	4,736	172,982	199,043
C	-	-	213,062	213,062
28	-	-	-	-
29	14,145	-	7,967	22,112
Total	374,191	448,222	2,876,003	3,698,416

Table 14. Commercial catches of coho salmon in British Columbia, 1977.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	1	1
1	1,148	2,451	96,031	99,630
2E	5,299	5,560	37,010	47,869
2W	327	3,886	4,852	9,065
3X	4,808	4,818	12,659	22,285
3Y	4,633	5,956	18,636	29,225
3Z	20,919	6,288	3,732	30,939
4	57,006	2,919	14,739	74,664
5	20,467	4,965	14,369	39,801
6	2,424	9,482	16,473	28,379
7	11,453	11,516	46,529	69,498
8	5,215	8,584	23,328	37,127
9	39,861	3,915	25,918	69,694
10	9,973	367	5,832	16,172
30	-	-	2,851	2,851
11	5,482	77	107,249	112,808
12	39,282	113,033	45,667	197,982
13	29,728	41,056	35,443	106,227
14	28	85	79,124	79,237
15	0	-	13,458	13,458
16	788	6,560	1,911	9,259
17	175	1,014	9,457	10,646
18	151	2,577	1,434	4,162
19	-	-	-	-
20	95,711	409,937	8,676	514,324
21	-	-	98,865	98,865
22	-	-	-	-
23	4,128	4,119	745,236	753,483
24	611	174	401,006	401,791
25	2	1,379	48,167	49,548
26	286	1,660	130,831	132,777
27	19,887	18,087	144,304	182,278
C	-	-	52,022	52,022
28	-	-	-	-
29	42,230	-	2,434	44,664
Total	422,022	670,465	2,248,244	3,340,731

Table 15. Commercial catches of coho salmon in British Columbia, 1978.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	-	-
1	403	2,751	264,158	267,312
2E	8,202	1,705	143,531	153,438
2W	72	6,437	32,956	39,465
3X	9,299	18,083	23,280	50,662
3Y	7,032	16,945	12,901	36,878
3Z	13,999	22,119	10,449	46,567
4	55,442	3,693	14,529	73,664
5	25,458	3,157	14,229	42,844
6	15,184	58,422	30,869	104,475
7	24,216	16,277	65,871	106,364
8	20,026	16,570	44,024	80,620
9	16,544	2,531	15,926	35,001
10	7,739	15	14,860	22,614
30	-	-	2,789	2,789
11	4,609	-	144,570	149,179
12	35,284	98,866	46,267	180,417
13	23,841	37,571	45,073	106,485
14	2,580	788	193,658	197,026
15	-	-	26,176	26,176
16	1,394	2,816	17,500	21,710
17	34	98	35,849	35,981
18	17	173	2,125	2,315
19	-	-	-	-
20	34,590	68,640	2,789	106,019
21	-	-	63,150	63,150
22	-	-	-	-
23	24,136	509	494,677	519,322
24	229	1,179	397,667	399,075
25	26	1,938	97,896	99,860
26	392	-	133,617	134,009
27	246	-	173,945	174,191
C	-	-	-	-
28	16,328 ^a	-	-	16,328 ^a
29	51,021	-	4,813	55,834
Total	398,343	381,283	2,570,144	3,349,770

^aHarvest at Capilano hatchery.

Table 16. Commercial catches of coho salmon in British Columbia, 1979.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	-	-
Taku	6,013	-	-	6,013
Stikine	10,720	-	-	10,720
1	1,164	15,181	269,487	285,832
2E	-	-	105,944	105,944
2W	177	25,214	26,199	51,590
3X	8,050	15,582	7,808	31,440
3Y	3,201	7,670	6,482	17,353
3Z	3,098	120	228	3,446
4	42,259	5,208	20,174	67,641
5	12,842	1,314	12,007	26,163
6	3,031	33,265	19,382	55,678
7	10,321	37,295	67,447	115,063
8	18,069	29,655	27,726	75,450
9	5,543	-	13,346	18,889
10	5,155	-	11,414	16,569
30	-	-	4,040	4,040
11	2,471	-	144,179	146,650
12	12,561	75,369	30,917	118,847
13	23,234	21,826	28,947	74,007
14	395	22	127,504	127,921
15	-	-	17,989	17,989
16	-	-	19,067	19,067
17	18	-	27,888	27,906
18	-	712	1,279	1,991
19	-	-	-	-
20	22,217	233,141	1,748	257,106
21	-	-	45,559	45,559
22	-	-	-	-
23	22,224 ^a	733	822,747	845,704 ^a
24	58	-	496,915	496,973
25	-	-	181,852	181,852
26	-	-	170,504	170,504
27	679	1,644	195,453	197,776
C	-	-	-	-
28	16,850 ^a	-	-	16,850 ^a
29	7,710	-	1,635	9,345
Total	238,060	503,951	2,905,867	3,647,898

^aIncluding harvest at hatcheries.

Table 17. Commercial catches of chinook salmon in British Columbia, 1976.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	-	-
1	519	1,480	51,265	53,264
2E	69	378	67,348	67,795
2W	43	1,900	23,561	25,504
3X	432	508	2,798	3,738
3Y	472	531	1,871	2,874
3Z	8,149	827	464	9,440
4	4,761	459	23,140	28,360
5	592	119	19,378	20,089
6	391	4,085	14,715	19,191
7	1,200	10,924	36,779	48,903
8	12,897	10,548	19,824	43,269
9	8,970	3,313	11,382	23,665
10	3,241	36	8,638	11,915
30	-	-	3,888	3,888
11	254	-	31,222	31,476
12	10,545	31,571	30,757	72,873
13	1,439	10,407	36,344	48,190
14	184	512	44,466	45,162
15	135	-	20,166	20,301
16	311	81	12,052	12,444
17	913	1,245	77,631	79,789
18	62	3,148	4,564	7,774
19	-	-	-	-
20	9,515	29,627	1,600	40,742
21	-	-	36,373	36,373
22	-	-	-	-
23	20,497	11,983	374,961	407,441
24	54	119	143,717	143,890
25	17	110	15,647	15,774
26	47	349	53,976	54,372
27	2,431	1,913	32,458	36,802
C	-	-	44,054	44,054
28	-	-	-	-
29	79,869	-	3,831	83,700
Total	168,009	126,173	1,248,870	1,543,052

Table 18. Commercial catches of chinook salmon in British Columbia, 1977.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	95	95
1	700	4,611	47,952	53,263
2E	218	113	37,163	37,494
2W	47	21,723	21,472	43,242
3X	947	2,704	1,448	5,099
3Y	533	2,631	2,154	5,318
3Z	6,972	5,937	150	13,059
4	12,836	1,390	9,838	24,064
5	591	497	11,425	12,513
6	429	3,055	14,044	17,528
7	1,875	5,986	29,832	37,693
8	8,439	4,991	11,593	25,023
9	17,499	6,527	11,657	35,683
10	1,964	28	3,196	5,188
30	-	-	4,677	4,677
11	454	0	35,724	36,178
12	7,465	37,654	27,193	72,312
13	4,250	16,298	39,588	60,136
14	75	37	79,439	79,551
15	13	-	16,770	16,783
16	498	3,482	12,752	16,732
17	76	77	88,077	88,230
18	182	970	6,714	7,866
19	-	-	-	-
20	18,682	55,317	1,428	75,427
21	-	-	63,792	63,792
22	-	-	-	-
23	15,057	17,563	363,816	396,436
24	56	54	79,661	79,771
25	0	598	8,730	9,328
26	10	77	25,561	25,648
27	536	786	25,548	26,870
C	-	-	22,696	22,696
28	-	-	-	-
29	90,893	-	7,222	98,115
Total	191,297	193,106	1,111,407	1,495,810

Table 19. Commercial catches of chinook salmon in British Columbia, 1978.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	-	-
1	77	2,187	71,322	73,586
2E	18	443	33,758	34,219
2W	27	9,283	26,114	35,424
3X	585	5,855	2,810	9,250
3Y	719	5,750	582	7,051
3Z	5,659	12,227	873	18,759
4	7,574	1,733	4,512	13,819
5	942	1,583	4,702	7,227
6	2,075	17,947	17,888	37,910
7	2,572	8,120	27,582	38,274
8	9,146	6,438	7,754	23,338
9	8,066	3,124	4,415	15,605
10	3,831	6	2,438	6,275
30	-	-	1,268	1,268
11	1,264	-	27,231	28,495
12	8,570	53,773	12,835	75,178
13	2,421	16,197	41,375	59,993
14	43	12	52,694	52,749
15	235	-	19,193	19,428
16	249	1,148	14,670	16,067
17	75	15	74,761	74,851
18	19	58	6,478	6,555
19	-	-	-	-
20	5,273	22,231	868	28,372
21	-	-	39,672	39,672
22	-	-	-	-
23	32,179	16,792	304,725	353,696
24	51	206	100,000	100,257
25	15	195	29,959	30,169
26	62	-	43,932	43,994
27	50	-	37,212	37,262
C	-	-	15,520	15,520
28	2,682 ^a	-	-	2,682 ^a
29	54,062	-	6,280	60,342
Total	148,541	185,323	1,033,423	1,367,287

^aHarvest at Capilano hatchery.

Table 20. Commercial catches of chinook salmon in British Columbia, 1979.

Area	Gillnet	Seine	Troll	All
Alaska	-	-	-	-
Taku	66	-	-	66
Stikine	775	-	-	775
1	280	6,475	58,134	64,889
2E	-	-	39,327	39,327
2W	12	23,032	27,769	50,813
3X	755	6,887	4,706	12,348
3Y	926	4,038	1,930	6,894
3Z	1,871	613	385	2,869
4	11,692	2,329	6,645	20,666
5	503	540	9,875	10,918
6	750	15,932	11,823	28,505
7	3,305	28,559	37,786	69,650
8	9,177	17,017	7,450	33,644
9	2,829	-	5,182	8,011
10	3,386	-	4,494	7,880
30	-	-	2,795	2,795
11	579	-	26,502	27,081
12	3,402	26,861	13,218	43,481
13	1,616	10,925	57,269	69,810
14	17	-	61,518	61,535
15	84	-	19,432	19,516
16	221	-	15,651	15,872
17	190	-	94,339	94,529
18	4	378	5,627	6,009
19	-	-	-	-
20	2,539	32,338	457	35,334
21	-	-	19,789	19,789
22	-	-	-	-
23	49,959 ^a	10,142	305,980	366,081 ^a
24	68	-	75,561	75,629
25	-	-	27,380	27,380
26	-	-	22,009	22,009
27	77	151	30,310	30,538
C	-	-	-	-
28	680 ^a	-	-	680 ^a
29	51,511	-	3,675	55,186
Total	147,274	186,217	997,018	1,330,509

^aIncluding harvest at hatcheries.

Table 21. Estimated escapements of sockeye salmon to British Columbia streams, 1976 - 1979.

Area	1976	1977	1978	1979
1	40,900	26,850	20,300	20,650
2E	11,000	10,050	6,000	5,014
2W	1,856	1,201	4,053	4,452
3	143,405	400,371	127,718	204,396
4	713,747	973,466	668,776	1,214,695
5	19,050	11,400	28,650	16,000
6	12,800	23,873	13,050	15,075
7	5,325	7,575	7,925	6,250
8	66,625	45,845	33,050	44,575
9	300,000	191,600	383,000	290,025
10	47,000	105,000	84,304	21,025
11	50	-	-	-
12	49,707	22,600	15,950	24,392
13	7,100	5,125	5,531	4,101
14	225	50	370	100
15	-	-	-	-
16	6,000	1,200	4,000	11,000
17	-	-	2	5
18	-	-	-	-
19	-	-	-	-
20	83	200	200	-
21	250	230	200	200
22	6,000	3,150	2,200	5,810
23	151,822	297,880	158,978	326,689
24	9,739	55,870	54,848	19,696
25	3,475	12,106	12,415	3,184
26	100	3,230	2,686	2,116
27	400	1,250	1,200	250
28	2	300	297	12
29	827,250	1,113,453	2,514,318	1,407,828
Total	2,423,911	3,313,875	4,150,021	3,647,540

Table 22. Estimated escapements of pink salmon to British Columbia streams, 1976 - 1979.

Area	1976	1977	1978	1979
1	285,050	4,900	217,500	30,400
2E	615,100	8,500	529,060	21,788
2W	49,371	50	159,413	601
3	158,175	229,155	401,445	50,625
4	693,850	973,352	742,422	507,063
5	348,450	110,275	264,850	43,000
6	1,032,288	142,692	835,885	489,595
7	263,740	292,720	287,710	441,318
8	1,381,200	434,690	2,293,475	1,123,325
9	259,600	47,600	109,650	49,350
10	22,100	20,100	19,000	30,250
11	3	-	-	-
12	1,392,010	161,340	909,400	185,704
13	271,950	55,475	180,425	45,818
14	11,430	8,050	3,535	15,650
15	-	6,235	-	4,650
16	-	25,999	100	13,700
17	-	-	-	14
18	-	-	-	-
19	-	-	-	-
20	75	-	-	50
21	-	-	-	-
22	-	-	-	-
23	1,380	-	130	100
24	10,930	504	1,600	14
25	32,525	-	31,720	202
26	67,625	416	22,000	80
27	23,300	175	46,375	575
28	300	25,255	-	27,288
29	-	2,387,811	-	3,560,654
Total	6,920,452	4,935,374	7,055,695	6,641,814

Table 23. Estimated escapement of chum salmon to British Columbia streams, 1976 - 1979.

Area	1976	1977	1978	1979
1	53,500	59,300	56,200	32,450
2E	159,520	160,975	213,565	43,523
2W	30,997	49,621	38,070	54,284
3	64,750	55,275	75,970	42,312
4	11,071	10,925	8,203	5,655
5	19,625	32,170	13,775	13,950
6	67,352	87,360	185,955	88,155
7	95,735	155,810	267,750	169,677
8	125,000	122,950	49,135	99,485
9	6,345	9,790	61,100	18,550
10	8,500	42,500	36,000	13,750
11	10,570	89,869	117,205	21,195
12	173,673	67,235	93,965	61,780
13	173,375	173,450	282,325	97,330
14	161,775	194,828	295,150	191,375
15	17,765	30,323	16,908	16,096
16	35,809	101,399	67,502	37,412
17	21,827	89,224	83,202	64,494
18	47,500	90,000	186,000	33,600
19	-	5	2	-
20	6,225	15,025	19,555	6,715
21	120	50	-	50
22	19,600	43,650	8,400	4,530
23	192,020	128,080	150,050	48,410
24	50,560	68,200	110,275	29,550
25	36,350	56,375	122,855	40,256
26	14,175	16,590	84,686	14,274
27	20,225	19,348	30,250	16,249
28	134,648	138,680	123,063	37,927
29	220,742	314,991	280,150	200,334
Total	1,979,354	2,423,998	3,077,266	1,503,368

Table 24. Estimated escapement of coho salmon to British Columbia streams, 1976 - 1979.

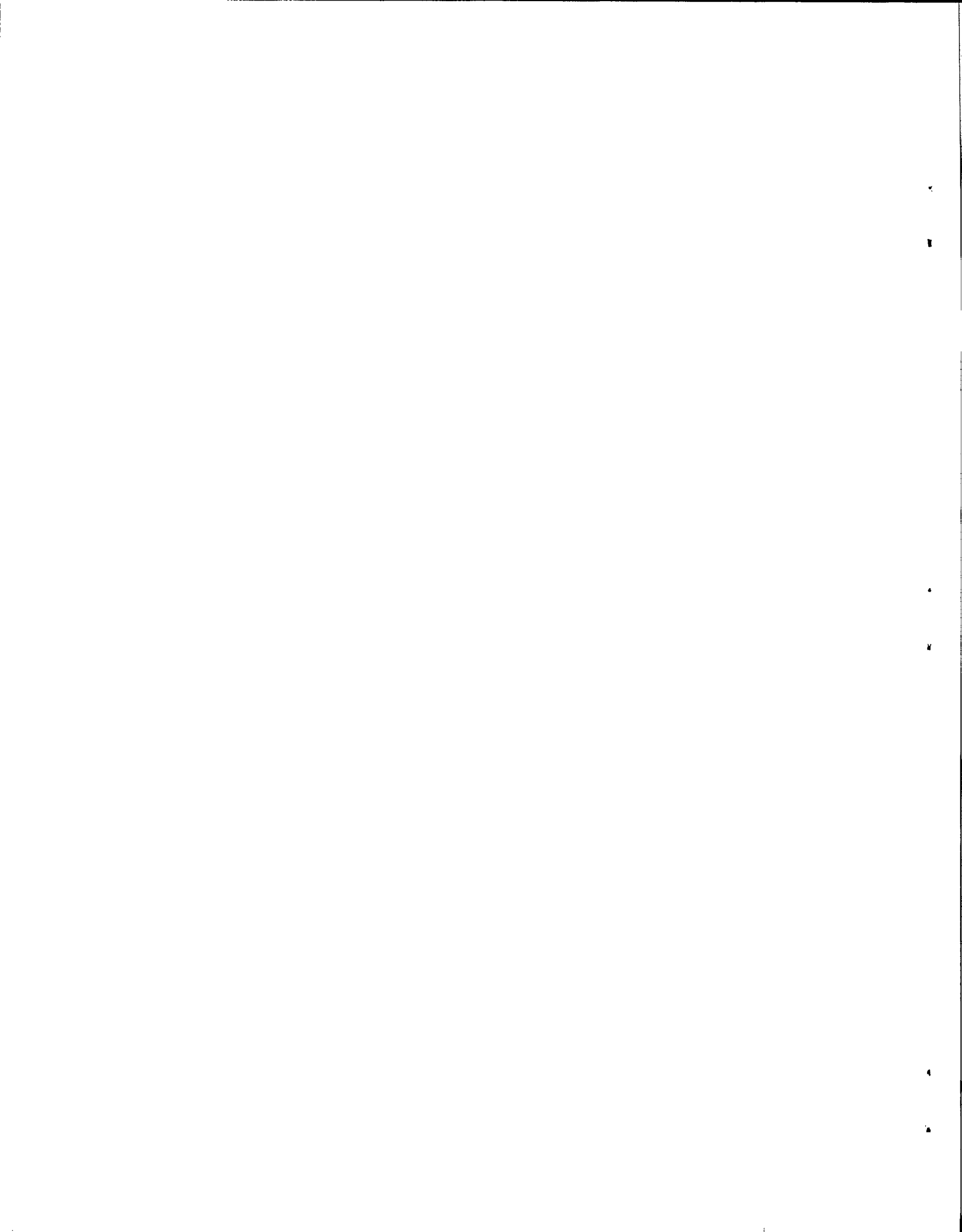
Area	1976	1977	1978	1979
1	153,500	55,400	61,250	34,750
2E	55,475	37,075	60,085	34,452
2W	648	400	950	1,153
3	33,150	35,605	33,460	19,655
4	32,266	35,849	46,096	19,994
5	24,475	25,600	18,650	17,275
6	52,168	32,740	39,295	49,945
7	9,575	7,395	6,800	8,393
8	94,350	43,875	41,150	49,075 ^a
9	3,550	4,680	5,650	5,550
10	75	1,200	800	1,450
11	1,730	1,830	2,615	342
12	41,585	68,425	28,550	18,238
13	22,136	30,175	22,569	27,549
14	34,551	103,550	50,990	74,605
15	100	7,908	460	815
16	10,812	13,786	9,685	18,089
17	2,625	12,026	4,930	4,886
18	29,950	82,808	28,925	25,310
19	50	84	357	147
20	1,350	1,575	4,510	4,985
21	215	275	320	275
22	1,565	1,300	1,770	1,085
23	42,185	40,950	43,354	42,658
24	2,076	7,025	3,570	8,926
25	2,800	4,925	4,180	5,806
26	3,275	1,450	408	1,811
27	11,300	22,909	26,450	25,117
28 ^a	35,509	14,947	40,952	56,679
29	48,502	76,159	100,276	60,571
Total	751,548	771,926	689,057	619,586

^aThe coho escapement to the Bella Coola-Atnarko rivers was reported to have been "average". The average estimated escapement in the preceding 12 years (21,700) was used.

^bHatchery returns included except in 1977.

Table 25. Estimated escapement of chinook salmon to British Columbia streams, 1976 - 1979.

Area	1976	1977	1978	1979
1	700	800	600	475
2E	-	-	-	-
2W	-	-	-	-
3	4,830	9,060	10,190	8,180
4	12,834	29,512	23,363	17,202
5	25	25	-	25
6	6,779	3,833	6,512	6,510
7	-	-	-	-
8	28,550	33,600	24,000	19,600
9	1,640	2,205	2,800	2,150
10	1,000	1,050	2,100	500
11	-	-	-	-
12	15,150	3,955	6,150	3,610
13	9,325	18,800	13,741	9,649
14	2,645	5,437	5,605	9,509
15	-	110	-	25
16	-	-	1	4
17	1,160	2,950	2,761	4,595
18	10,025	7,925	4,730	7,775
19	-	-	-	-
20	105	150	121	482
21	-	-	30	-
22	650	1,000	1,200	3,500
23	14,510	13,495	9,525	11,100
24	383	275	176	465
25	1,380	3,355	5,809	2,503
26	950	309	140	580
27	400	950	2,250	1,180
28	6,008	4,170	2,055	5,303
29	44,805	81,461	72,396	62,410
Total	163,854	224,427	196,255	177,332



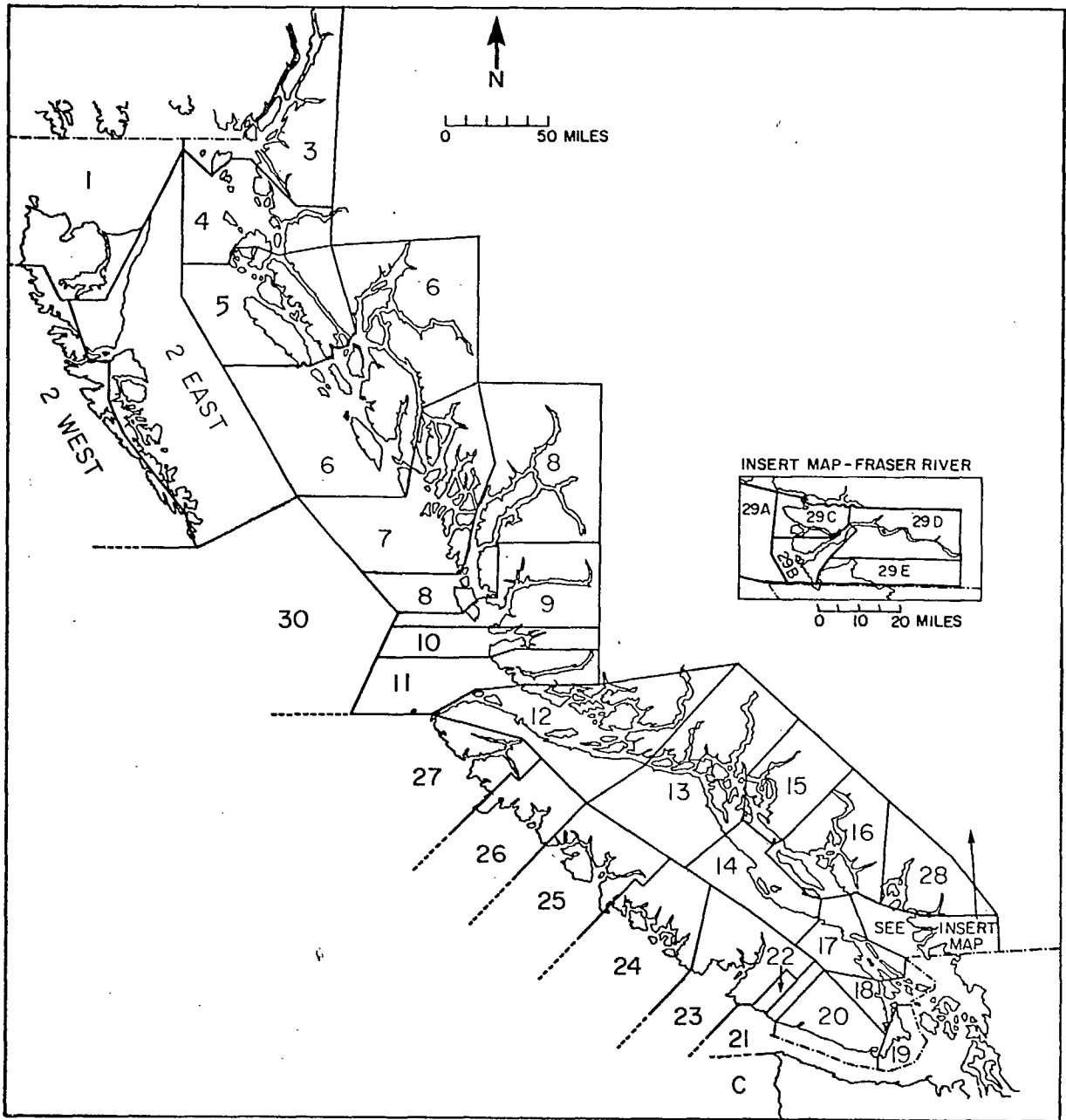


Fig. 1. Statistical areas used in reporting British Columbia salmon catch statistics.

