

SALMON EXPECTATIONS



PRINCE RUPERT

1994

DEPT. OF FISHERIES & OCEANS

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1. Reporting of all catches to the Dept. of Fisheries and Oceans is the responsibility of the fisherman and a condition of licence renewal.
2. Accurate catch reports must include the map number or numbers showing the area in which your fish were caught.
3. The statistical areas shown on this map are to be used as a guide only. For more exact information refer to the Pacific Fishery Management Area Regulations.

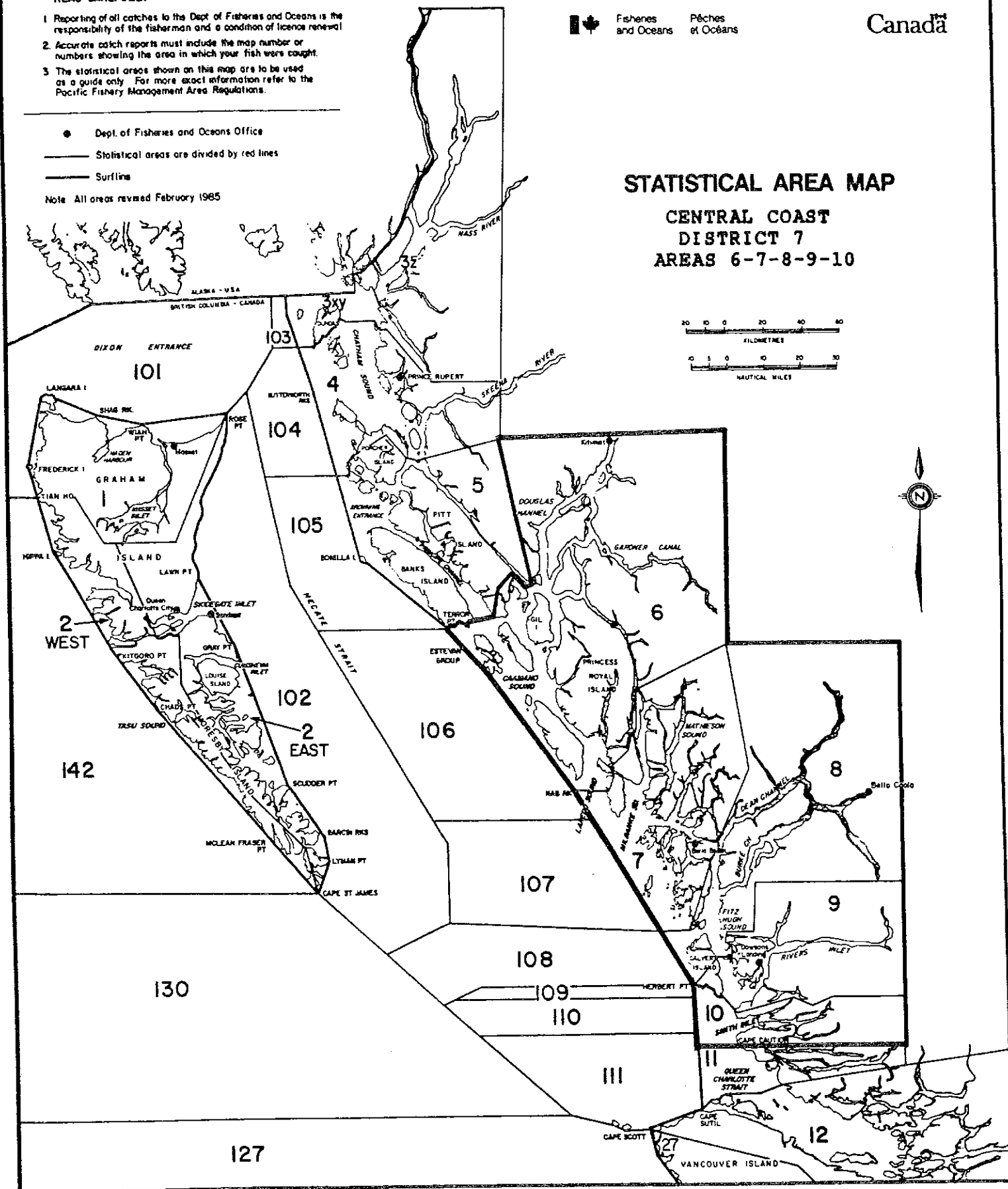
Pêches
et Océans

Dept. of Fisheries and Oceans Office

———— Statistical areas are divided by red lines

Surflines

Note: All areas revised February 1985



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CALENDARS 1800 TO 2050

DIRECTIONS FOR USE

Look for the year you want in the index at left. The number opposite each year is the number of the calendar to use for that year.

1

JANUARY	MAY	SEPTEMBER
SMTWTFS	SMTWTFS	SMTWTFS
1 2 3 4 5 6 7	1 2 3 4 5 6 7	1 2 3 4 5 6 7
8 9 10 11 12 13 14	8 9 10 11 12 13 14	8 9 10 11 12 13 14
15 16 17 18 19 20 21	15 16 17 18 19 20 21	15 16 17 18 19 20 21
22 23 24 25 26 27 28	22 23 24 25 26 27 28	22 23 24 25 26 27 28
29 30 31	29 30 31	29 30 31
FEBRUARY	JUNE	OCTOBER
SMTWTFS	SMTWTFS	SMTWTFS
1 2 3 4 5 6 7	1 2 3 4 5 6 7	1 2 3 4 5 6 7
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15 16 17 18 19 20 21	15 16 17 18 19 20 21	15 16 17 18 19 20 21
22 23 24 25 26 27 28	22 23 24 25 26 27 28	22 23 24 25 26 27 28
29 30	29 30	29 30 31
MARCH	JULY	NOVEMBER
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APRIL	AUGUST	DECEMBER
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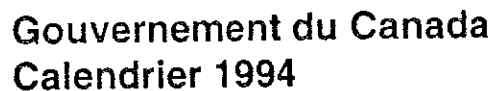
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15 16 17 18 19 20 21	15 16 17 18 19 20 21	15 16 17 18 19 20 21
22 23 24 25 26 27 28	22 23 24 25 26 27 28	22 23 24 25 26 27 28



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CALENDRIER 1995 CALENDAR

JANUARY								JANVIER								FEBRUARY								FÉVRIER								MARCH								MARS							
SUN	MON	TUES	WED	THURS	FRI	SAT	SUN	MON	TUES	WED	THURS	FRI	SAT	SUN	MON	TUES	WED	THURS	FRI	SAT	SUN	MON	TUES	WED	THURS	FRI	SAT	SUN	MON	TUES	WED	THURS	FRI	SAT	SUN												
1	2	3	4	5	6	7				1	2	3	4				1	2	3	4				1	2	3	4																				
001	002	003	004	005	006	007				032	033	034	035				060	061	062	063				060	061	062	063																				
8	9	10	11	12	13	14		5	6	7	8	9	10	11		5	6	7	8	9	10	11		5	6	7	8	9	10	11																	
008	009	010	011	012	013	014		036	037	038	039	040	041	042		064	065	066	067	068	069	070		064	065	066	067	068	069	070																	
15	16	17	18	19	20	21		12	13	14	15	16	17	18		12	13	14	15	16	17	18		12	13	14	15	16	17	18																	
015	016	017	018	019	020	021		043	044	045	046	047	048	049		071	072	073	074	075	076	077		071	072	073	074	075	076	077																	
22	23	24	25	26	27	28		19	20	21	22	23	24	25		19	20	21	22	23	24	25		19	20	21	22	23	24	25																	
022	023	024	025	026	027	028		050	051	052	053	054	055	056		078	079	080	081	082	083	084		078	079	080	081	082	083	084																	
29	30	31						26	27	28						26	27	28	29	30	31			26	27	28	29	30	31																		
029	030	031						057	058	059						085	086	087	088	089	090			085	086	087	088	089	090																		

PRINCE RUPERT HNP Z+8

HNP Z+8

JUNE-JUIN

4

JULY-JUILLET

AUGUST-AOUT

SEPTEMBER-SEPTEMBRE

JULY-JUILLET								AUGUST-AOÛT								SEPTEMBRE-SEPTEMBER							
Day	Time	Ht./m.	Ht./m.	Jour	Heure	H./pi	H./m.	Day	Time	Ht./m.	Ht./m.	Jour	Heure	H./pi	H./m.	Day	Time	Ht./m.	Ht./m.	Jour	Heure	H./pi	H./m.
1	0125	7.6	2.3	16	0050	5.9	1.8	1	0245	7.5	2.3	16	0300	5.4	1.6	1	0410	6.5	2.0	16	0455	4.8	1.5
FR	0715	15.5	4.7		0655	16.6	5.1		0855	14.5	4.4		0930	16.2	4.9		1035	16.1	4.9		1120	19.0	5.8
VE	1310	8.1	2.5	SA	1245	6.9	2.1	MO	1425	10.2	3.1	TU	1505	8.9	2.7	TH	1615	9.5	2.9	FR	1710	6.7	2.0
	1955	17.8	5.4	SA	1915	19.6	6.0	LU	2055	17.4	5.3	MA	2120	19.5	5.9	JE	2220	18.3	5.6	VE	2315	20.0	6.1
2	0230	7.4	2.3	17	0200	5.7	1.7	2	0350	6.9	2.1	17	0415	4.7	1.4	2	0500	5.4	1.6	17	0545	4.2	1.3
	0830	15.0	4.6		0815	16.1	4.9		1015	15.0	4.6		1045	17.2	5.2		1120	17.4	5.3		1200	20.0	6.1
SA	1415	9.0	2.7	SU	1355	7.9	2.4	TU	1540	10.1	3.1	WE	1620	8.2	2.5	FR	1705	8.1	2.5	SA	1800	5.5	1.7
SA	2050	17.8	5.4	DI	2025	19.8	6.0	MA	2200	18.0	5.5	ME	2230	20.1	6.1	VE	2310	19.4	5.9	SA			
3	0330	7.0	2.1	18	0315	5.0	1.5	3	0445	6.0	1.8	18	0515	3.8	1.2	3	0540	4.2	1.3	18	0005	20.6	6.3
	0945	15.1	4.6		0935	16.3	5.0		1110	16.0	4.9		1140	18.4	5.6		1200	18.8	5.7		0625	3.9	1.2
SU	1520	9.5	2.9	MO	1515	8.3	2.5	WE	1645	9.5	2.9	TH	1720	7.2	2.2	SA	1750	6.6	2.0	SU	1235	20.7	6.3
DI	2145	18.1	5.5	LU	2135	20.2	6.2	ME	2250	18.8	5.7	JE	2325	20.8	6.3	SA	2355	20.5	6.2	DI	1840	4.6	1.4
4	0430	6.2	1.9	19	0425	4.0	1.2	4	0535	4.9	1.5	19	0605	3.0	.9	4	0620	3.2	1.0	19	0045	20.9	6.4
	1045	15.6	4.8		1050	17.1	5.2		1155	17.0	5.2		1225	19.5	5.9		1235	20.1	6.1		0700	3.8	1.2
MO	1620	9.4	2.9	TU	1625	7.9	2.4	TH	1730	8.5	2.6	FR	1810	6.1	1.9	SU	1830	5.2	1.6	MO	1310	21.2	6.5
LU	2235	18.6	5.7	MA	2235	20.9	6.4	JE	2335	19.7	6.0	VE			LU	1915	3.9	1.2	LU	1915	3.9	1.2	
5	0515	5.3	1.6	20	0525	3.0	.9	5	0615	3.8	1.2	20	0015	21.4	6.5	5	0040	21.3	6.5	20	0125	20.9	6.4
	1140	16.3	5.0		1150	18.2	5.5		1235	18.1	5.5		0645	2.4	.7		0655	2.6	.8		0730	4.1	1.2
TU	1710	9.1	2.8	WE	1725	7.2	2.2	FR	1815	7.5	2.3	SA	1305	20.3	6.2	MO	1310	21.3	6.5	TU	1340	21.4	6.5
MA	2320	19.3	5.9	ME	2335	21.6	6.6	VE				SA	1855	5.2	1.6	LU	1910	3.9	1.2	MA	1950	3.7	1.1
6	0600	4.4	1.3	21	0615	2.0	.6	6	0020	20.5	6.2	21	0100	21.7	6.6	6	0120	21.8	6.6	21	0200	20.6	6.3
	1220	17.1	5.2		1240	19.2	5.9		0650	2.8	.9		0725	2.3	.7		0735	2.3	.7		0800	4.7	1.4
WE	1755	8.5	2.6	TH	1820	6.4	2.0	SA	1310	19.2	5.9	SU	1340	20.9	6.4	MA	1345	22.1	6.7	WE	1410	21.3	6.5
ME				JE				SA	1855	6.4	2.0	DI	1935	4.6	1.4	ME	1955	3.0	.9	ME	2025	3.7	1.1
7	0000	19.9	6.1	22	0025	22.1	6.7	7	0100	21.1	6.4	22	0140	21.6	6.6	7	0205	21.8	6.6	22	0235	20.1	6.1
	0640	3.6	1.1		0705	1.4	.4		0730	2.2	.7		0800	2.5	.8		0810	2.5	.8		0830	5.5	1.7
TH	1300	17.9	5.5	FR	1325	20.0	6.1	SU	1340	20.1	6.1	MO	1415	21.1	6.4	WE	1420	22.7	6.9	TH	1440	20.9	6.4
JE	1835	7.9	2.4	VE	1910	5.7	1.7	DI	1935	5.5	1.7	LU	2015	4.3	1.3	ME	2035	2.5	.8	JE	2100	4.1	1.2
8	0040	20.5	6.2	23	0110	22.3	6.8	8	0140	21.5	6.6	23	0220	21.1	6.4	8	0245	21.4	6.5	23	0310	19.3	5.9
	0715	2.8	.9		0745	1.2	.4		0805	1.9	.6		0835	3.1	.9		0850	3.2	1.0		0900	6.4	2.0
FR	1335	18.6	5.7	SA	1405	20.6	6.3	MO	1415	20.8	6.3	TU	1445	21.0	6.4	TH	1500	22.7	6.9	FR	1510	20.3	6.2
VE	1915	7.3	2.2	SA	1955	5.2	1.6	LU	2015	4.7	1.4	MA	2055	4.3	1.3	JE	2120	2.5	.8	VE	2135	4.7	1.4
9	0115	20.8	6.3	24	0155	22.1	6.7	9	0220	21.4	6.5	24	0255	20.3	6.2	9	0335	20.6	6.3	24	0345	18.4	5.6
	0755	2.3	.7		0825	1.5	.5		0840	2.0	.6		0905	4.1	1.2		0930	4.3	1.3		0930	7.4	2.3
SA	1410	19.2	5.9	SU	1445	20.7	6.3	TU	1450	21.2	6.5	WE	1520	20.6	6.3	FR	1540	22.3	6.8	SA	1540	19.5	5.9
SA	1955	6.8	2.1	DI	2035	5.0	1.5	MA	2055	4.3	1.3	ME	2130	4.7	1.4	VE	2210	3.0	.9	SA	2215	5.5	1.7
10	0155	21.0	6.4	25	0240	21.5	6.6	10	0300	21.0	6.4	25	0335	19.3	5.9	10	0425	19.4	5.9	25	0425	17.4	5.3
	0830	2.1	.6		0900	2.1	.6		0915	2.5	.8		0935	5.2	1.6		1015	5.7	1.7		1005	8.5	2.6
SU	1445	19.6	6.0	MO	1520	20.6	6.3	WE	1530	21.4	6.5	TH	1550	20.0	6.1	SA	1625	21.5	6.6	SU	1615	18.7	5.7
DI	2030	6.4	2.0	LU	2120	5.2	1.6	ME	2140	4.1	1.2	JE	2210	5.3	1.6	SA	2305	3.9	1.2	DI	2300	6.4	2.0
11	0235	20.8	6.3	26	0320	20.5	6.2	11	0345	20.2	6.2	26	0410	18.2	5.5	11	0520	18.1	5.5	26	0510	16.5	5.0
	0905	2.2	.7		0940	3.1	.9		0955	3.5	1.1		1005	6.5	2.0		1105	7.2	2.2		1045	9.5	2.9
MO	1520	19.9	6.1	TU	1600	20.2	6.2	TH	1610	21.3	6.5	FR	1625	19.2	5.9	SU	1720	20.3	6.2	MO	1700	17.7	5.4
LU	2115	6.1	1.9	MA	2205	5.5	1.7	JE	2230	4.3	1.3	VE	2250	6.1	1.9	DI				LU	2350	7.2	2.2
12	0315	20.4	6.2	27	0400	19.3	5.9	12	0435	19.1	5.8	27	0455	16.9	5.2	12	0010	4.9	1.5	27	0605	15.7	4.8
	0940	2.6	.8		1015	4.4	1.3		1035	4.8	1.5		1040	7.8	2.4		0630	17.0	5.2		1140	10.4	3.2
TU	1600	20.0	6.1	WE	1635	19.6	6.0	FR	1655	20.9	6.4	SA	1700	18.4	5.6	MO	1210	8.5	2.6	TU	1755	17.0	5.2
MA	2200	5.9	1.8	ME	2245	6.1	1.9	VE	2325	4.7	1.4	SA	2340	6.9	2.1	LU	1830	19.3	5.9	MA			
13	0400	19.6	6.0	28	0445	18.0	5.5	13	0530	17.8	5.4	28	0540	15.8	4.8	13	0120	5.7	1.7	28	0055	7.7	2.3
	1020	3.4	1.0		1050	5.8	1.8		1125	6.3	1.9		1120	9.1	2.8		0755	16.5	5.0		0720	15.3	4.7
WE	1640	20.0	6.1	TH	1715	18.9	5.8	SA	1745	20.2	6.2	SU	1745	17.5	5.3	TU	1335	9.3	2.8	WE	1300	10.9	3.3
ME	2250	5.9	1.8	JE	2335	6.7	2.0	SA				DI			MA	1950	18.6	5.7	ME	1915	16.6	5.1	
14	0450	18.7	5.7	29	0530	16.7	5.1	14	0025	5.3	1.6	29	0040	7.6	2.3	14	0245	5.8	1.8	29	0210	7.7	2.3
	1100	4.4	1.3		1125	7.2	2.2		0640	16.6	5.1		0645	14.9	4.5		0920	16.8	5.1		0845	15.7	4.8
TH	1725	19.9	6.1	FR	1755	18.2	5.5	SU	1225	7.7	2.3	MO	1215	10.1	3.1	WE	1505	9.0	2.7	TH	1435	10.4	3.2
JE	2345	6.0	1.8	VE				DI	1850	19.6	6.0	LU	1850	16.9	5.2	ME	2115	18.7	5.7	JE	2040	17.0	5.2
15	0545	17.6	5.4	30	0030	7.3	2.2	15	0140	5.6	1.7	30	0150	7.8	2.4	15	0355	5.4	1.6	30	0320	7.1	2.2
	1150	5.7	1.7		0625	15.5	4.7		0800	16.0	4.9		0810	14.5	4.4		1030	17.8	5.4		0950	16.8	5.1
FR	1815	19.7	6.0	SA	1210	8.6	2.6	MO	1340	8.7	2.7	TU	1340	10.7	3.3	TH	1615	8.0	2.4	FR	1545	9.2	2.8
VE				SA	1850	17.6	5.4	LU	2005	19.2	5.9	MA	2005	16.9	5.2	JE	2220	19.3	5.9	VE	2145	17.9	5.5
				31	0135	7.6	2.3					31	0305	7.5	2.3								
					0735	14.6	4.5						0935	15.1	4.6								
				SU	1310	9.7	3.0						WE	1510	10.5	3.2							
				DI	1950	17.3	5.3						ME	2120	17.4	5.3							

1994

SUN MON TUE WED THU FRI SAT

DIM LUN MAR MER JEU VEN SAM

January - Janvier

					1	
2E	3	●	5P	6	7	8
9S	10	●	12	13	14	15
16E	17	18A	●	20	21	22
23N	24	25	26	○	28	29
30EP	31					

July - Juillet

					1	2A
3	4	5	6N	7	●	9
10	11	12	13E	14	●	16
17	18P	19S	20	21	○	23
24	25	26E	27	28	29	●A
31						

February - Février

		1	2	●	4	5S
6	7	8	9	●	11	12E
13	14	15A	16	17	●	19
20N	21	22	23	24	○	26E
27P	28					

August - Août

	1	2N	3	4	5	6
●	8	9E	10	11	12P	●
14	15	16S	17	18	19	20
○	22E	23	24	25	26	27A
28	●	30N	31			

March - Mars

		1	2	3	●S	5
6	7	8	9	10	11E	●
13	14	15A	16	17	18	19N
●	21	22	23	24	25	26E
○	28P	29	30	31		

September - Septembre

				1	2	3
4	●	6E	7	8P	9	10
11	●S	13	14	15	16	17
18	○E	20	21	22	23	24A
25	26N	●	28	29	30	

April - Avril

					1S	●
3	4	5	6	7	8E	9
●	11A	12	13	14	15N	16
17	●	19	20	21	22E	23
24	○P	26	27	28S	29	30

October - Octobre

						1
2	3E	●	5	6P	7	8
9S	10	●	12	13	14	15
16E	17	18	○	20	21A	22
23N	24	25	26	●	28	29
30E	31					

May - Mai

1	●	3	4	5E	6	7
8A	9	●	11	12N	13	14
15	16	17	●	19E	20	21
22	23P	○	25S	26	27	28
29	30	●				

November - Novembre

		1	2	●P	4	5S
6	7	8	9	●	11	12E
13	14	15	16	17A	○	19
20N	21	22	23	24	25	●
27E	28	29	30			

June - Juin

			1E	2	3	4
5A	6	7	8	●N	10	11
12	13	14	15	●E	17	18
19	20	21P	22S	○	24	25
26	27	28E	29	●		

December - Décembre

				1	●P	3S
4	5	6	7	8	●E	10
11	12	13	14	15A	16	○N
18	19	20	21	22	23	24E
●	26	27	28	29	30PS	31

LEGEND

- new moon
- first quarter
- full moon
- last quarter
- A - moon in apogee
- P - moon in perigee
- E - moon on equator
- N - moon farthest north of equator
- S - moon farthest south of equator

LEGENDE

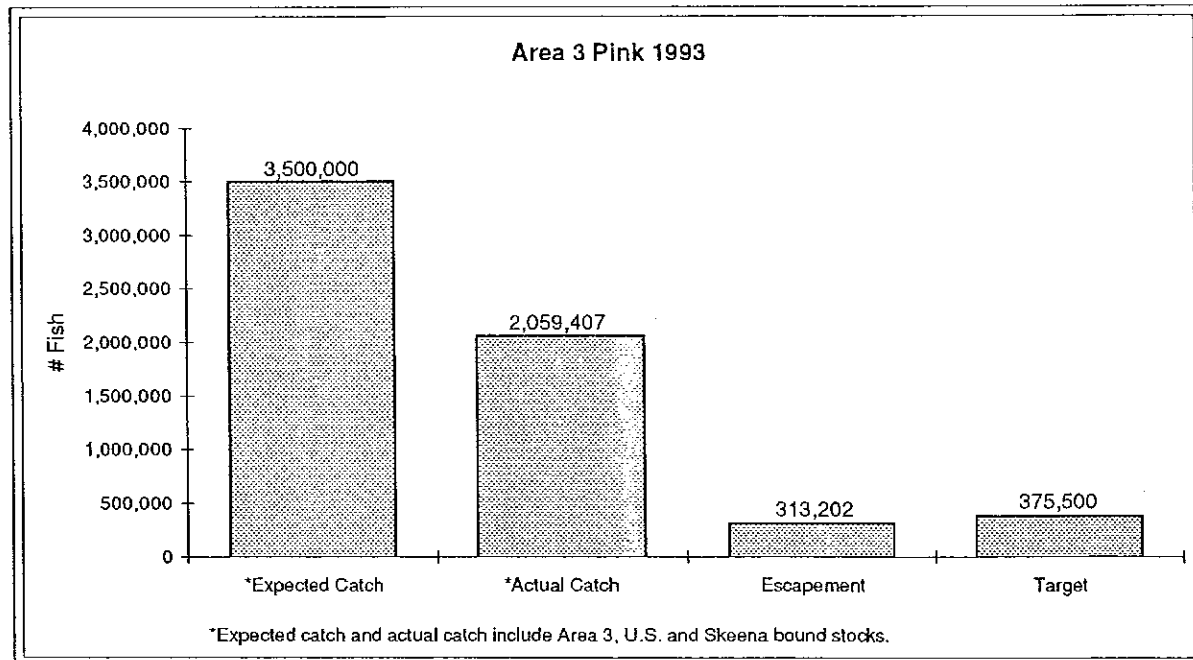
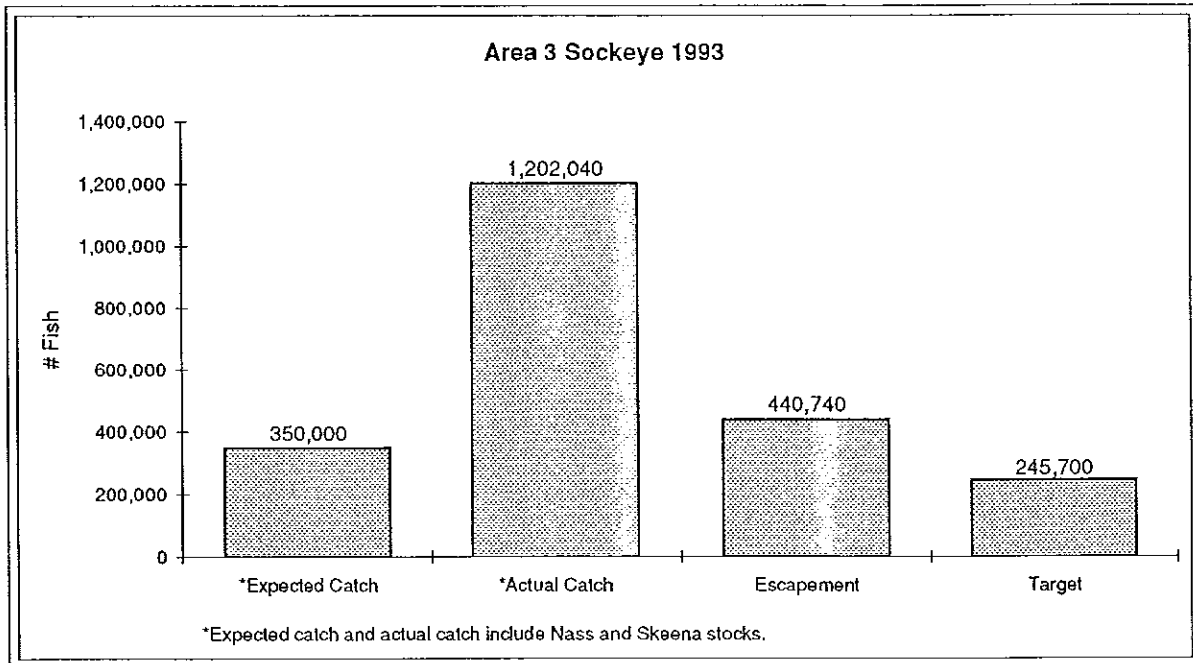
- nouvelle lune
- premier quartier
- pleine lune
- dernier quartier
- A - apogée
- P - périgée
- E - lune à l'équateur
- N - position la plus au nord
- S - position la plus au sud

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1993 POST SEASON SUMMARY AND ASSESSMENT

AREA 3 - NASS SUB-DISTRICT

1. Preseason Expectations - Net Fishery:

	Sockeye	Pink	Chum	Chin
Expected Return	254000	1051400	66350	N/A
Target Escapement	245700	375500	118925	41455
Surplus**	350000	3500000	N/A	N/A

Note that in the total summary above, surpluses and deficits mask one another. Surpluses are calculated from individual stocks.

**Includes catches of Skeena stocks.

2. Postseason Catch:

	Sockeye	Coho	Pink	Chum	Chin	Jack	StHd
Commercial Field Catches:							
Seine	740195	39447	1888148	255907	4133	210	348
Gillnet	461845	25329	171259	159917	2970	469	488
Total Net	1,202,040	64,776	2,059,407	415,824	7,103	679	836
Troll*	3943	37081	147108	34220	5006	0	0
Sport Catches:							
Tidal	31	1532	700	163	1938	0	0
Non-Tidal	0	20	0	0	981	0	0
Total	31	1,552	700	163	2,919	0	0
E.S.S.R.	2441	0	0	0	0	0	0
I.F.F. Catches:							
Tidal	6499	15	1215	148	379	0	61
Non-Tidal	32018	653	1148	282	5775	0	312
Total	38,517	668	2,363	430	6,154	0	373

3. Escapement:*

	Sockeye	Coho	Pink	Chum	Chin
1993	440740	7510	313202	79951	26410
Target	245700	83300	375500	118925	41455

4. Commercial Fishery Stats:

	Date Of First Fishery	Date Of Last Fishery	Date Of CFB	Total Days Fishing	Total Accum Effort
Seine	July 17	Aug. 31	Sept. 16	15.5	1816
Gillnet	June 15	Sept. 07	Sept. 16	43.17	3692
Troll	July 01	Sept. 12	Sept. 12	68	

Notes (**)

- Troll figures are sales slip updates to January 09, 1993 and are still preliminary.
- Chinook escapement information is still preliminary.
- Sport fish catch information is incomplete and represents a low estimate of catch.
- ESSR means Excess to Salmon Spawning Requirements. Fish caught in this fishery are for commercial sale.

5. Proposed General Fishing Plan:

1993 SALMON EXPECTATIONS - AREA 3

SOCKEYE The Nass sockeye return in 1992 was much higher than expected and if this high survival rate continues in 1993 the return will be higher than forecast. Given an expected average return to Area 4 the total Area 3 sockeye net catch is estimated to be 350,000. The plan is for a Nass Sockeye gillnet fishery beginning with a 12 hour June 15th opening, with a seine fishery starting July 18.

PINK An average Pink return is anticipated to Area 3, but a strong return to Area 4 and S.E. Alaska is expected to result in a catch of 3.5 million in Area 3. The impacts of severe flooding in the brood year are unknown and could reduce the pink return.

CHUM Area 3 Chum stocks remain depressed and no directed fisheries are anticipated.

PROPOSED FISHING PATTERN

Effective Date	Action
June 15	Open to gillnets for 12 hours in Subareas 3-1 (north of a line running true west from Arniston Point), 3-4, 3-4, 3-7 and 3-12 (south of a line from Trefusis Point to a boundary sign on Pearse Island approximately 1.75 miles north of Lizard Point light). Max. mesh 137 mm. Extensions and further openings dependent on Sockeye and Pink run strength.
July 18	Open to gillnets and seines for 24 hours in Subareas 3-1, 3-2, 3-3, 3-4, 3-4, 3-7, 3-11 and 3-12 (south of a line from Trefusis Point to a boundary sign on Pearse Island approximately 1.75 miles north of Lizard Point light). Max. gillnet mesh 165 mm. Min. seine bunt mesh size 70 mm.

Extensions and further openings dependent on Sockeye and Pink run strength.

6. Commercial Net Fishery Summary:

The management of the Area 3 net fishery responded to stronger than forecast returns of Nass/Skeena Sockeye, Area 3 Chum and a below forecast return of Pink. First, processors expressed a strong desire for no more than 2 consecutive days of fishing without a 2 day break to assist in maximizing fish quality and marketing strategies. Secondly, changes in the Area 4 fishing pattern to address heightened concern for Skeena River Steelhead and Coho stocks(a result of aggressive fishing in July to harvest Sockeye) also restricted the Area 3 fishery in an attempt to manage fleet movement.

The first fishery opened as scheduled to gillnets for 12 hours June 15th.; 264 gillnets participated and no extensions were given. The strength of the Nass sockeye run did not become clear until the week of July 25 to 31 when, the Monkley Dump test fishery indicated that the target escapement had been attained, early Meziadin fishway counts suggested the test fishery had under estimated returns and good catches of Nass sockeye were still evident in the commercial fishery. The strong return of Nass Sockeye and unexpected good catches of Chum resulted in extended gillnet fisheries in sub-area 3-12.

The first seine fishery was moved ahead to July 17; 131 seines participated. Seine fisheries in Area 3 continued to be manage to Sockeye stock strength until the first week of August when the following concerns placed restrictions on the fishery:

1. Restrictions in the Area 4 fishery to address Steelhead and Coho concerns caused gear movement and allocation issues to be considered.
2. Low pink escapements persisted, showing that stocks were not only late but less than forecast.
3. Drought conditions restricted the migration of Pink salmon to many systems, making them vulnerable to the commercial fleet.

The largest number of gillnets operating in Area 3 occurred on June 22 with 359 vessels. The total number of gillnet fishing days was 43.17 days for 3,692 boat days compared to the 13 year average of 25.12 fishing days and 1,835.6 boat days. This is the largest number of boats and fishing days since 1978. The largest number of seines fishing was 258 July 29th. The total number of seine fishing days was 15.5 for 1,816 boat days compared to the 13 year average of 20.8 fishing days and 1,387.6 boat days.

The total hailed net catch (seine and gillnet) was 1,202,040

sockeye (the highest on record) and 2,059,407 pink compared to the 13 (1980 to 92) year average of 393,624 sockeye and 2,829,848 pink and preseason forecast of 350,000 sockeye and 3.5 million pink. The chum catch of 415,824 is also the highest recorded hail catch ever compared to the 13 year average of 154,870. (Note chum hail catch information is less accurate than for sockeye and pink)

The preseason net allocation by gear type for Areas 1,3,4 & 5 was:

Sockeye - 76% gn & 24% sn Pink - 28% gn & 72% sn

The inseason results were:

Sockeye - 67% gn & 33% sn Pink -21% gn & 79% sn

7. Excess To Salmon Spawning Requirements (ESSR) Fishery Summary

The Nisga'a were issued an Excess To Salmon Spawning Requirement (ESSR) Licence in 1993 to harvest surplus Nass River Sockeye (20,000 piece allocation). This fish was for commercial sale and was separate from their Food, Social and Ceremonial fishery. A condition of harvest was that they employ only selective harvesting techniques. Fishing occurred in the Nass River (Greenville to Kinsutch River confluence) from July 28th to August 31st by means of beach seines, a fishwheel and dipnets. The fishery experienced only limited success with a total harvest of 2,441 sockeye.

Further ESSR opportunities were available at the Meziadin fishway. Both the Nisga'a and Gitanyow were offered an opportunity to harvest these surpluses provided that they could work out a sharing arrangement between themselves. The two groups made several attempts to negotiate an agreement, but they could not agree on an appropriate arrangement. In the end no ESSR harvesting was conducted at this site.

See Appendix I for a summary of weekly commercial net catches.

8. Sport Fishery Summary:

Tidal:

The majority of the effort and catch is during the months of May, June, July and August, a consequence of chinook run timing and fishable weather. Information from ten charter operators was received via this years logbook program, Dolphins North, Haa Nee Naa, Salmon Seeker based in Work Channel, Eagle Point on Wales Island, Northwest Sportsman, Driftwood Ventures, Mount Hays Charters Ltd., Glory Hole Charters, Charbonneau Enterprises Ltd. who fished throughout the area. Most of the charter operators fished from the latter part of May to the beginning of September with the exception of the Salmon Seeker which fished only the month of June before moving to the Queen Charlotte Islands.

See Appendix II for a detailed summary of catches.

Non Tidal:

A summary of catch and effort information is as follows:

Stream	Rod Days	Coho	Chinook
Kitsault River	30	20	
Kwinamass River	5		1
Khutzymateen River		No Information	
Illiance River		No Information	
Cranberry River	2200		450
Tchitin River	280		160
Tseax River	1600		370
Seaskinnish Creek		No Information	
Ginlulak Slough		No Information	
Kinskutch River		No Information	
Ishkeenickh River		No Information	
Kiteen River		No Information	
Meziadin		No Information	
Zol Zap River		No Information	
Totals	4115	20	981

LOWER NASS:

Kitsault River - Approximately 30 anglers killed 20 Coho in September.

Kwinamass R. - There was no guardian on the River this year however a patrolman did several checks during July. He reported that very low water conditions held most of the Chinook out of the river during the retention period. Fishing effort on the system for chinook was low. Five anglers were checked July 01 for no catch. It is known that one 30 lb. Chinook was caught and killed. A guiding outfit from the M.V. Smuggler fished for half a day, catch is unknown. Fishing effort for Coho was very limited.

Khutzymateen - This system is now a grizzly bear reserve, status yet to be determined. Access to the general public is closed. Two charter operations have permission to take people in to view bears. It is believed that sport fishing effort is nonexistent.

Illiance River - It appears that the system received only very limited effort this fall.

UPPER NASS:

Cranberry R. - The creel survey done by LGL on contract to the Nisga'a estimates 2200 angler days for 450 Chinook killed.

- Tchitin River - The creel survey done by LGL on contract to the Nisga'a estimates 280 angler days for 160 Chinook killed. Local DFO office reports light sport fishing effort for Coho this fall. Low water conditions forced the Coho into a few holding areas which lead to good fishing success.
- Tseax River - The creel survey done by LGL on contract to the Nisga'a estimates 1600 angler days for 370 Chinook killed. The local DFO office reports moderate Coho fishing due to low water early in the season and heavy rains in the late fall. Steelhead fishing was reported as good.
- Seaskinnish Ck - Fishery Officers report no known effort. Approximately two years ago a flood changed the creek course resulting in different fish migration patterns.
- Ginlulak Sl. - Local DFO office reports sport fishing effort was light to moderate with good success on both coho and Steelhead.
- Kinskutch R. - Local DFO office reports light effort with good fishing for Steelhead and fair Coho fishing.
- Ishkeenickh R. - Closed during Chinook migration. Local office reports light effort due to limited access. Spring Steelhead fishing was reported as good. No information on the Coho fishery.
- Kiteen River - Local DFO office reports good Chinook fishing in July. It is suspected that the fall Coho fishery was limited by heavy rains in October.
- Meziadin - The local DFO office reports fair Chinook and Coho fishing.
- Zol Zap River - Low water delayed the Coho run. Sport fishing effort was low.

9. Native Food, Social and Ceremonial Fishery Summary:

A Communal Licence was issued to the Nisga'a Tribal Council and the Gitanyow which outlined terms of conditions for the conduct of their Food, Social and Ceremonial Fisheries for 1993. The terms and conditions included an allocation for harvest in the amount of 50,000 Sockeye, 3,500 Coho, 5,000 Pink, 50 Chum and 7,000 Chinook for the Nisga'a and 5,200 Sockeye, 250 Coho, 185 Pink 25 Chum and 620 Chinook for the Gitanyow. The Nisga'a formally opposed these allocations; in the final analysis they did not achieve the their catch limits and the Gitanyow slightly exceeded their Sockeye allocation by 94 pieces.

The Nisga'a administered their own fishery again this year by designated fishers and collecting catch information which was forwarded to DFO on a regular basis.

See Appendix III for a summary of catches.

10. Escapement Summary:

Sockeye

The estimated escapement for 1993 is 440,740 compared to the 13 year average of 239,302, the stream target of 245,700 and management target of 220,000 past the test fishery.

Coho

Nine streams have estimated escapements for coho in 1993. The average of the estimates is 35% of the target.

Pink

The total Area 3 recorded escapement is 313,202 compared to the last 6 odd year average of 473,187 and target of 375,500. (Note, the 1993 overall estimate does not include an escapement for the Ishkeenikh River as it is unknown for this year). The migration of Pink salmon into many streams was delayed this year because of low water this summer and fall. Prespawning mortality was observed in some streams, particularly in the small coastal systems. Generally escapements were good with the exception of Observatory Inlet and the small outer coast systems.

Chums

The total Area 3 recorded escapement is 79,951, compared to the 13 year average of 40,578 and target of 118,925. The above average escapement is a reflection of high escapements to two system the Kshwan and Quottoon River with escapements of 50,000 and 10,000 respectively. Escapements to most other systems remain well below the targets.

Chinook

Stocks to the coastal streams continue to maintain themselves at very low levels.

It is difficult to compare 1993 Nass River System escapements to past years because of the radical change in methods used to collect information. Starting in 1992 LGL Limited (environmental research associates) on behalf of the Nisga'a's Tribal Council have conducted a chinook escapement study which includes radio-tagging, aerial and ground counts and mark-recapture methods. As a result of this study the existence of two substantial chinook stocks have been confirmed in the Bell-Irving River and Anudol Creek with escapement estimates of 4600 and 700 respectively. In addition radio tagging made it

possible to estimate Nass River main stem spawning. Estimates for the Damdochax and Kwinageese did not change too much from the traditional methods of assessing. The traditional methods had estimates of 4000 and 2000 respectively compared to 5000 and 2100 for the new method.

The Nass River estimates are still preliminary but will not expected to change significantly.

See Appendix IV for a summary of escapements by stream.

11. Current Year/Target Escapement Comparison - Key Streams:

Sockeye Salmon

Key Stream	Target Escapement	Current Year Escapement	% Of Target
Gingit Creek	7,500	400	5
Meziadin Lake	160,000	400,000	250
Kwinageese River	20,000	16,000	80

Pink Salmon

Key Stream	Target Escapement	Current Year Escapement	% Of Target
Brundige Creek	3,000	100	3
Iknouk River	60,000	50,000	83
Kwinamass River	100,000	120,000	120
Khutzeymateen River	40,000	35,000	88
Dogfish Creek	12,000	25,000	208
Ishkeenickh River	30,000	Unknown	N/A

Chum Salmon

Key Stream	Target Escapement	Current Year Escapement	% Of Target
Bear River	7,500	Unknown	N/A
Ensheshese River	5,000	500	10
Khutzeymateen River	20,000	6,000	30
Kshwan River	15,000	50,000	333
Stagoo River	15,000	5,000	33
Tseax River	3,000	Unknown	N/A
Quottoon River	7,000	10,000	143

Chinook Salmon

Key Stream	Target Escapement	Current Year Escapement	% Of Target
Cranberry River	7,500	5,000	67
Ishkeenickh River	4,000	200	5
Kwinamass River	3,000	200	7
Meziadin Lake	1,500	1,600	107

Chinook information is still preliminary.

12. Appendices:

- Appendix I - Area 3 Weekly Net Catch Summary For 1993.
- Appendix II - Area 3 Sport Fishery Catch Summary For 1993.
- Appendix III - Area 3 Native Food, Social and Ceremonial Fishery Catch Summary For 1993.
- Appendix IV - Area 3 Escapement Summary For 1993.
- Appendix V - Nass River Test Fishery Index For 1993.
- Appendix VI - Nass River Cumulative Test Fishery Index (1963 to 1993)

AREA 3

TOTAL NET CATCH

18-Jan-94

Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
25	15-Jun-93	264	6208	102	4	329	308	24	9
	TFW	264	6208	102	4	329	308	24	9
	TTD	264	6208	102	4	329	308	24	9
26	22-Jun-93	359	20085	496	112	984	237	45	0
	23-Jun-93	235	13369	742	57	585	195	34	10
	TFW	594	33454	1238	169	1569	432	79	10
	TTD	868	39662	1340	173	1898	740	103	19
27	29-Jun-93	250	37974	2116	1913	3446	359	0	14
	30-Jun-93	223	24013	1758	1810	2124	278	9	0
	TFW	473	61987	3874	3723	5570	637	9	14
	TTD	1331	101649	5214	3896	7468	1377	112	33
28	05-Jul-93	270	35849	4958	5620	7904	187	15	
	06-Jul-93	185	25100	2192	4162	4159	179	12	
	09-Jul-93	183	29823	1332	12609	14704	76	18	1
	10-Jul-93	40	8760	68	3064	1240	88	0	4
	TFW	678	99532	8550	25455	28007	530	45	5
	TTD	2009	201181	13764	29351	35475	1907	157	38
29	13-Jul-93	89	28555	714	7029	3050	40	5	9
	14-Jul-93	87	17761	206	11605	1633	26	0	6
	15-Jul-93	71	3329	112	3594	854	26	2	8
	17-Jul-93	217	37565	1099	59679	6499	180	2	28
	18-Jul-93	216	51166	1486	78163	12506	464	2	42
	TFW	680	138376	3617	160070	24542	736	11	93
	TTD	2689	339557	17381	189421	60017	2643	168	131
30	19-Jul-93	207	46573	2378	41360	12883	514	5	35
	24-Jul-93	223	81936	4402	144295	23333	740	182	25
	25-Jul-93	229	92493	4557	188899	27500	306	6	21
	TFW	659	221002	11337	374554	63716	1560	193	81
	TTD	3348	560559	28718	563975	123733	4203	361	212
31	26-Jul-93	284	117420	6781	160293	32248	753	0	27
	27-Jul-93	28	2464	84	1764	462	0	0	0
	28-Jul-93	27	3456	54	1296	837	5	0	3
	29-Jul-93	308	94355	1884	158973	33804	286	3	34
	30-Jul-93	265	88101	2952	113128	21920	426	8	67
	TFW	912	305796	11755	435454	89271	1470	11	131
	TTD	4260	866355	40473	999429	213004	5673	372	343
32	03-Aug-93	147	78398	3900	211296	25833	221	15	20
	04-Aug-93	155	70462	3030	163053	26394	269	9	55
	05-Aug-93	31	4774	205	1581	713	49	8	19
	08-Aug-93	42	14490	185	3612	966	63	0	36
	TFW	375	168124	7320	379542	53906	602	32	130
	TTD	4635	1034479	47793	1378971	266910	6275	404	473
33	09-Aug-93	78	65457	1000	89471	3836	161	88	70

AREA 3			TOTAL NET CATCH					18-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
33	10-Aug-93	90	36362	1470	169099	6001	140	0	66
	11-Aug-93	32	11936	96	3200	640	32	32	19
	12-Aug-93	26	2210	234	1820	520	0	0	
	13-Aug-93	55	14380	2089	118065	9611	138	12	14
	TFW	281	130345	4889	381655	20608	471	132	169
	TTD	4916	1164824	52682	1760626	287518	6746	536	642
34	16-Aug-93	51	8949	691	47279	5767	34	60	10
	17-Aug-93	39	4290	215	3159	4095	29	22	23
	18-Aug-93	29	3973	377	2871	5075	29	0	46
	19-Aug-93	21	1791	309	2499	4883	15	0	19
	TFW	140	19003	1592	55808	19820	107	82	98
	TTD	5056	1183827	54274	1816434	307338	6853	618	740
35	23-Aug-93	55	4852	2635	147220	23350	94	0	4
	24-Aug-93	46	1748	552	3312	15502	28	0	17
	25-Aug-93	47	3760	799	11374	20022	47	0	28
	26-Aug-93	34	1530	306	3162	5576	12	0	8
	TFW	182	11890	4292	165068	64450	181	0	57
	TTD	5238	1195717	58566	1981502	371788	7034	618	797
36	30-Aug-93	129	2819	2083	22023	14371	9	0	12
	31-Aug-93	87	2928	3412	52304	24335	51	16	20
	01-Sep-93	19	323	190	2050	2755	0	19	2
	02-Sep-93	10	100	160	980	1410	4	18	5
	TFW	245	6170	5845	77357	42871	64	53	39
	TTD	5483	1201887	64411	2058859	414659	7098	671	836
37	07-Sep-93	25	153	365	548	1165	5	8	
	TFW	25	153	365	548	1165	5	8	
	TTD	5508	1202040	64776	2059407	415824	7103	679	836

AREA 3		3X	TOTAL NET CATCH					18-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
26	22-Jun-93	36	3719	162	22	454	68	0	0
	23-Jun-93	21	2178	271	11	382	17	0	0
	TFW	57	5897	433	33	836	85	0	0
	TTD	57	5897	433	33	836	85	0	0
27	29-Jun-93	110	19360	1760	990	2530	110	0	0
	30-Jun-93	101	11110	1212	808	1111	101	0	0
	TFW	211	30470	2972	1798	3641	211	0	0
	TTD	268	36367	3406	1831	4477	296	0	0
28	05-Jul-93	147	18581	3969	2352	5145	81	0	
	06-Jul-93	47	7144	1175	729	2209	47	0	
	09-Jul-93	47	10857	846	3431	8930	14	0	
	TFW	241	36582	5990	6512	16284	142	0	
	TTD	509	72949	9395	8343	20761	438	0	0
29	13-Jul-93	31	6417	636	3937	2279	9	5	9
	14-Jul-93	23	3220	184	2507	736	2	0	0
	15-Jul-93	23	1403	104	575	529	12	0	2
	17-Jul-93	38	5183	463	2760	383	54	2	0
	18-Jul-93	62	10046	824	8256	2184	165	2	2
	TFW	177	26269	2211	18036	6111	242	9	13
	TTD	686	99218	11606	26378	26872	680	9	13
30	19-Jul-93	66	11970	1368	10081	3147	187	3	3
	24-Jul-93	27	4536	1269	4257	1854	34	5	3
	25-Jul-93	37	9293	1101	15535	706	69	0	4
	TFW	130	25799	3738	29873	5707	290	8	10
	TTD	816	125017	15344	56251	32579	970	17	23
31	26-Jul-93	49	21096	2006	29776	4672	212	0	27
	29-Jul-93	49	19054	517	16513	2143	62	0	31
	30-Jul-93	58	30734	1038	17748	3479	138	0	14
	TFW	156	70884	3561	64037	10294	412	0	72
	TTD	972	195901	18905	120288	42873	1382	17	95
32	03-Aug-93	19	10875	397	16930	1958	31	0	9
	04-Aug-93	35	19488	896	40715	5835	100	0	16
	TFW	54	30363	1293	57645	7793	131	0	25
	TTD	1026	226264	20198	177933	50666	1513	17	120
33	09-Aug-93	0	0	0	0	0	0	0	0
	10-Aug-93	0	0	0	0	0	0	0	0
	13-Aug-93	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	1026	226264	20198	177933	50666	1513	17	120
34	16-Aug-93	1	200	8	900	14	6	0	0
	TFW	1	200	8	900	14	6	0	0
	TTD	1027	226464	20206	178833	50680	1519	17	120

Appendix I Area 3 Catch Summary 1993

AREA 3		3Y	TOTAL NET CATCH					18-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
25	15-Jun-93	155	3966	80	4	198	144	13	2
	TFW	155	3966	80	4	198	144	13	2
	TTD	155	3966	80	4	198	144	13	2
26	22-Jun-93	170	10805	304	78	410	63	10	0
	23-Jun-93	147	8067	428	36	98	78	27	10
	TFW	317	18872	732	114	508	141	37	10
	TTD	472	22838	812	118	706	285	60	12
27	29-Jun-93	73	9218	239	650	721	134	0	14
	30-Jun-93	54	6921	342	369	385	85	9	0
	TFW	127	16139	581	1019	1106	219	9	14
	TTD	599	38977	1393	1137	1812	504	59	26
28	05-Jul-93	57	7192	670	1628	1554	38	7	
	06-Jul-93	70	7172	550	1580	712	33	7	
	09-Jul-93	41	6060	248	2818	2537	14	8	1
	TFW	168	20424	1468	6026	4803	85	22	1
	TTD	767	59401	2861	7163	6615	589	81	27
29	13-Jul-93	10	2094	11	672	195	0	0	0
	14-Jul-93	10	1170	3	140	100	3	0	0
	15-Jul-93	10	205	5	50	30	3	0	0
	17-Jul-93	61	10200	96	7131	1303	39	0	1
	18-Jul-93	72	17175	395	15003	5289	184	0	19
	TFW	163	30844	510	22996	6917	229	0	20
	TTD	930	90245	3371	30159	13532	818	81	47
30	19-Jul-93	65	16304	501	15245	4509	217	1	20
	24-Jul-93	106	44314	1815	59168	5468	389	57	15
	25-Jul-93	140	65714	2690	98372	15776	146	3	3
	TFW	311	126332	5006	172785	25753	752	61	38
	TTD	1241	216577	8377	202944	39285	1570	142	85
31	26-Jul-93	135	69872	3344	89659	16510	414	0	
	29-Jul-93	160	51262	1151	67417	21525	201	0	
	30-Jul-93	151	42789	1471	53906	11311	248	5	48
	TFW	446	163923	5966	210982	49346	863	5	48
	TTD	1687	380500	14343	413926	88631	2433	147	133
32	03-Aug-93	49	39910	1899	102148	9373	133	0	2
	04-Aug-93	58	33560	1240	67167	11333	11	0	14
	TFW	107	73470	3139	169315	20706	144	0	16
	TTD	1794	453970	17482	583241	109337	2577	147	149
33	09-Aug-93	28	20485	593	37295	1000	80	0	20
	10-Aug-93	35	7237	780	121798	2206	4	0	3
	13-Aug-93	17	4365	491	40617	3155	20	0	2
	TFW	80	32087	1864	199710	6361	104	0	25
	TTD	1874	486057	19346	782951	115698	2681	147	174
34	16-Aug-93	5	594	65	7114	812	1	1	1

AREA 3			3Y	TOTAL NET CATCH				18-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
	TFW	5	594	65	7114	812	1	1	1
	TTD	1879	486651	19411	790065	116510	2682	148	175
35	23-Aug-93	5	563	440	27123	3558	2	0	2
	TFW	5	563	440	27123	3558	2	0	2
	TTD	1884	487214	19851	817188	120068	2684	148	177
36	30-Aug-93	19	298	457	2444	1820	3	0	2
	31-Aug-93	16	386	545	14818	3585	7	0	4
	TFW	35	684	1002	17262	5405	10	0	6
	TTD	1919	487898	20853	834450	125473	2694	148	183

Appendix I Area 3 Catch Summary 1993

AREA 3		3Z	TOTAL NET CATCH					18-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
25	15-Jun-93	109	2242	22	0	131	164	11	7
	TFW	109	2242	22	0	131	164	11	7
	TTD	109	2242	22	0	131	164	11	7
26	22-Jun-93	153	5561	30	12	120	106	35	0
	23-Jun-93	67	3124	43	10	105	100	7	0
	TFW	220	8685	73	22	225	206	42	0
	TTD	329	10927	95	22	356	370	53	7
27	29-Jun-93	67	9396	117	273	195	115	0	0
	30-Jun-93	68	5982	204	633	628	92	0	0
	TFW	135	15378	321	906	823	207	0	0
	TTD	464	26305	416	928	1179	577	53	7
28	05-Jul-93	66	10076	319	1640	1205	68	8	
	06-Jul-93	68	10784	467	1853	1238	99	5	
	09-Jul-93	95	12906	238	6360	3237	48	10	
	10-Jul-93	40	8760	68	3064	1240	88	0	4
	TFW	269	42526	1092	12917	6920	303	23	4
	TTD	733	68831	1508	13845	8099	880	76	11
29	13-Jul-93	48	20044	67	2420	576	31	0	0
	14-Jul-93	54	13371	19	8958	797	21	0	6
	15-Jul-93	38	1721	3	2969	295	11	2	6
	17-Jul-93	118	22182	540	49788	4813	87	0	27
	18-Jul-93	82	23945	267	54904	5033	115	0	21
	TFW	340	81263	896	119039	11514	265	2	60
	TTD	1073	150094	2404	132884	19613	1145	78	71
30	19-Jul-93	76	18299	509	16034	5227	110	1	12
	24-Jul-93	90	33086	1318	80870	16011	317	120	7
	25-Jul-93	52	17486	766	74992	11018	91	3	14
	TFW	218	68871	2593	171896	32256	518	124	33
	TTD	1291	218965	4997	304780	51869	1663	202	104
31	26-Jul-93	100	26452	1431	40858	11066	127	0	
	27-Jul-93	28	2464	84	1764	462	0	0	0
	28-Jul-93	27	3456	54	1296	837	5	0	3
	29-Jul-93	99	24039	216	75043	10136	23	3	3
	30-Jul-93	56	14578	443	41474	7130	40	3	5
	TFW	310	70989	2228	160435	29631	195	6	11
	TTD	1601	289954	7225	465215	81500	1858	208	115
32	03-Aug-93	79	27613	1604	92218	14502	57	15	9
	04-Aug-93	62	17414	894	55171	9226	158	9	25
	05-Aug-93	31	4774	205	1581	713	49	8	19
	08-Aug-93	42	14490	185	3612	966	63	0	36
	TFW	214	64291	2888	162582	25407	327	32	89
	TTD	1815	354245	10113	617797	106907	2185	240	204
33	09-Aug-93	50	44972	407	52176	2836	81	88	50

AREA 3		3Z	TOTAL NET CATCH					18-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
33	10-Aug-93	55	29125	690	47301	3795	136	0	63
	11-Aug-93	32	11936	96	3200	640	32	32	19
	12-Aug-93	26	2210	234	1820	520	0	0	
	13-Aug-93	38	10015	1598	77448	6456	118	12	12
	TFW	201	98258	3025	181945	14247	367	132	144
	TTD	2016	452503	13138	799742	121154	2552	372	348
34	16-Aug-93	45	8155	618	39265	4941	27	59	9
	17-Aug-93	39	4290	215	3159	4095	29	22	23
	18-Aug-93	29	3973	377	2871	5075	29	0	46
	19-Aug-93	21	1791	309	2499	4883	15	0	19
	TFW	134	18209	1519	47794	18994	100	81	97
	TTD	2160	470712	14657	847536	140148	2652	453	445
35	23-Aug-93	50	4289	2195	120097	19792	92	0	2
	24-Aug-93	46	1748	552	3312	15502	28	0	17
	25-Aug-93	47	3760	799	11374	20022	47	0	28
	26-Aug-93	34	1530	306	3162	5576	12	0	8
	TFW	177	11327	3852	137945	60892	179	0	55
	TTD	2327	482039	18509	985481	201040	2831	453	500
36	30-Aug-93	110	2521	1626	19579	12551	6	0	10
	31-Aug-93	71	2542	2867	37486	20750	44	16	16
	01-Sep-93	19	323	190	2050	2755	0	19	2
	02-Sep-93	10	100	160	980	1410	4	18	5
	TFW	210	5486	4843	60095	37466	54	53	33
	TTD	2537	487525	23352	1045576	238506	2885	506	533
37	07-Sep-93	25	153	365	548	1165	5	8	
	TFW	25	153	365	548	1165	5	8	
	TTD	2562	487678	23717	1046124	239671	2890	514	533

AREA 3

GN TOTAL CATCH

18-Jan-94

Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
25	15-Jun-93	264	6208	102	4	329	308	24	9
	TFW	264	6208	102	4	329	308	24	9
	TTD	264	6208	102	4	329	308	24	9
26	22-Jun-93	359	20085	496	112	984	237	45	0
	23-Jun-93	235	13369	742	57	585	195	34	10
	TFW	594	33454	1238	169	1569	432	79	10
	TTD	858	39662	1340	173	1898	740	103	19
27	29-Jun-93	250	37974	2116	1913	3446	359	0	14
	30-Jun-93	223	24013	1758	1810	2124	278	9	0
	TFW	473	61987	3874	3723	5570	637	9	14
	TTD	1331	101649	6214	3896	7468	1377	112	33
28	05-Jul-93	270	35849	4958	5620	7904	187	15	
	06-Jul-93	185	25100	2192	4162	4159	179	12	
	09-Jul-93	183	29823	1332	12609	14704	76	18	1
	10-Jul-93	40	8760	68	3064	1240	88	0	4
	TFW	678	99532	8550	25455	28007	530	45	5
	TTD	2009	201181	13764	29351	35475	1907	157	38
29	13-Jul-93	89	28555	714	7029	3050	40	5	9
	14-Jul-93	87	17761	206	11605	1633	26	0	6
	15-Jul-93	71	3329	112	3594	854	26	2	8
	17-Jul-93	95	11522	21	4031	2219	0	0	0
	18-Jul-93	85	12221	168	6162	3599	36	0	0
	TFW	427	73388	1221	32421	11355	128	7	23
	TTD	2436	274569	14985	61772	46830	2035	164	61
30	19-Jul-93	76	10440	322	3768	2921	13	2	3
	24-Jul-93	40	6106	441	2488	2123	8	10	5
	25-Jul-93	46	6105	297	2487	1312	11	0	4
	TFW	162	22651	1060	8743	6356	32	12	12
	TTD	2598	297220	16045	70515	53186	2067	176	73
31	26-Jul-93	67	10272	328	5589	2256	22	0	3
	27-Jul-93	28	2464	84	1764	462	0	0	0
	28-Jul-93	27	3456	54	1296	837	5	0	3
	29-Jul-93	50	7370	159	2054	1506	3	3	3
	30-Jul-93	51	6552	93	1584	788	11	2	11
	TFW	223	30114	718	12287	5849	41	5	20
	TTD	2821	327334	16763	82802	59035	2108	181	93
32	03-Aug-93	47	11013	264	4405	1173	25	15	6
	04-Aug-93	42	7727	411	2700	1129	94	9	12
	05-Aug-93	31	4774	205	1581	713	49	8	19
	08-Aug-93	42	14490	185	3612	966	63	0	36
	TFW	162	38004	1065	12298	3981	231	32	73
	TTD	2983	365338	17828	95100	63016	2339	213	166

AREA 3		GN TOTAL CATCH						18-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
33	09-Aug-93	44	23267	310	6291	1346	79	75	46
	10-Aug-93	63	24293	419	7474	1942	110	0	64
	11-Aug-93	32	11936	96	3200	640	32	32	19
	12-Aug-93	26	2210	234	1820	520	0	0	
	13-Aug-93	28	6496	396	3811	931	115	12	12
	TFW	193	68202	1455	22596	5379	336	119	141
	TTD	3176	433540	19283	117696	68395	2675	332	307
34	16-Aug-93	40	6199	251	2879	1403	21	54	3
	17-Aug-93	39	4290	215	3159	4095	29	22	23
	18-Aug-93	29	3973	377	2871	5075	29	0	46
	19-Aug-93	21	1791	309	2499	4883	15	0	19
	TFW	129	16253	1152	11408	15456	94	76	91
	TTD	3306	449793	20435	129104	83851	2769	408	398
35	23-Aug-93	29	1000	146	2486	4548	62	0	0
	24-Aug-93	46	1748	552	3312	15502	28	0	17
	25-Aug-93	47	3760	799	11374	20022	47	0	28
	26-Aug-93	34	1530	306	3162	5576	12	0	8
	TFW	156	8038	1803	20334	45648	149	0	53
	TTD	3461	457831	22238	149438	129499	2918	408	451
36	30-Aug-93	108	1904	758	8907	9134	0	0	10
	31-Aug-93	69	1534	1618	9336	15954	43	16	20
	01-Sep-93	19	323	190	2050	2755	0	19	2
	02-Sep-93	10	100	160	980	1410	4	18	5
	TFW	206	3861	2726	21273	29253	47	53	37
	TTD	3667	461692	24964	170711	158752	2965	461	488
37	07-Sep-93	25	153	365	548	1165	5	8	
	TFW	25	153	365	548	1165	5	8	
	TTD	3692	461845	25329	171259	159917	2970	469	488

Appendix I Area 3 Catch Summary 1993

AREA 3		3X	GN CATCH					18-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
26	22-Jun-93	36	3719	162	22	454	68	0	0
	23-Jun-93	21	2178	271	11	382	17	0	0
	TFW	57	5897	433	33	836	85	0	0
	TTD	57	5897	433	33	836	85	0	0
27	29-Jun-93	110	19360	1760	990	2530	110	0	0
	30-Jun-93	101	11110	1212	808	1111	101	0	0
	TFW	211	30470	2972	1798	3641	211	0	0
	TTD	268	36367	3406	1831	4477	296	0	0
28	05-Jul-93	147	18581	3969	2352	5145	81	0	
	06-Jul-93	47	7144	1175	729	2209	47	0	
	09-Jul-93	47	10857	846	3431	8930	14	0	
	TFW	241	36582	5990	6512	16284	142	0	
	TTD	509	72949	9396	8343	20761	438	0	0
29	13-Jul-93	31	6417	636	3937	2279	9	5	9
	14-Jul-93	23	3220	184	2507	736	2	0	0
	15-Jul-93	23	1403	104	575	529	12	0	2
	17-Jul-93	21	2667	21	567	332	0	0	0
	18-Jul-93	38	5966	152	1862	1596	11	0	0
	TFW	136	19673	1097	9448	5472	34	5	11
	TTD	645	92622	10492	17791	26233	472	5	11
30	19-Jul-93	38	7182	304	1429	1691	11	0	
	24-Jul-93	18	2376	270	1044	1404	5	5	3
	25-Jul-93	17	1853	221	935	476	9	0	4
	TFW	73	11411	796	3408	3571	25	5	7
	TTD	718	104033	11287	21199	29804	497	10	18
31	26-Jul-93	11	880	220	440	150	22	0	3
	29-Jul-93	10	1270	10	250	310	0	0	
	30-Jul-93	12	1524	26	360	420	0	0	
	TFW	33	3674	256	1050	880	22	0	3
	TTD	761	107707	11543	22249	30684	519	10	21
32	03-Aug-93	4	240	22	160	68	1	0	
	04-Aug-93	8	480	32	80	192	0	0	
	TFW	12	720	54	240	260	1	0	
	TTD	763	108427	11597	22489	30944	520	10	21
33	09-Aug-93	0	0	0	0	0	0	0	0
	10-Aug-93	0	0	0	0	0	0	0	0
	13-Aug-93	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	763	108427	11597	22489	30944	520	10	21
34	16-Aug-93	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	763	108427	11597	22489	30944	520	10	21

Appendix I Area 3 Catch Summary 1993

AREA 3		3Y	GN CATCH					18-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
25	15-Jun-93	155	3966	80	4	198	144	13	2
	TFW	155	3966	80	4	198	144	13	2
	TTD	155	3966	80	4	198	144	13	2
26	22-Jun-93	170	10805	304	78	410	63	10	0
	23-Jun-93	147	8067	428	36	98	78	27	10
	TFW	317	18872	732	114	508	141	37	10
	TTD	472	22838	812	118	706	285	60	12
27	29-Jun-93	73	9218	239	650	721	134	0	14
	30-Jun-93	54	6921	342	369	385	85	9	0
	TFW	127	16139	681	1019	1106	219	9	14
	TTD	599	38977	1393	1137	1812	504	59	26
28	05-Jul-93	57	7192	670	1628	1554	38	7	
	06-Jul-93	70	7172	550	1580	712	33	7	
	09-Jul-93	41	6060	248	2818	2537	14	8	1
	TFW	168	20424	1468	6026	4803	85	22	1
	TTD	767	59401	2861	7163	6615	589	81	27
29	13-Jul-93	10	2094	11	672	195	0	0	0
	14-Jul-93	10	1170	3	140	100	3	0	0
	15-Jul-93	10	205	5	50	30	3	0	0
	17-Jul-93	8	184	0	56	0	0	0	0
	18-Jul-93	10	1094	6	328	198	18	0	0
	TFW	48	4747	25	1246	523	24	0	0
	TTD	815	64148	2886	8409	7138	613	81	27
30	19-Jul-93	7	814	3	165	137	1	1	1
	24-Jul-93	12	2268	12	828	216	1	5	0
	25-Jul-93	22	2530	66	660	330	0	0	
	TFW	41	5612	81	1653	683	2	6	1
	TTD	856	69760	2967	10062	7821	615	87	28
31	26-Jul-93	10	1020	16	135	220	0	0	
	29-Jul-93	16	2720	96	992	560	0	0	
	30-Jul-93	16	2016	19	86	288	0	2	8
	TFW	42	5756	131	1213	1068	0	2	8
	TTD	898	75516	3098	11275	8889	615	89	36
32	03-Aug-93	6	672	30	138	402	0	0	
	04-Aug-93	3	582	7	186	69	1	0	
	TFW	9	1254	37	324	471	1	0	
	TTD	907	76770	3135	11599	9360	616	89	36
33	09-Aug-93	5	515	13	315	50	0	0	
	10-Aug-93	17	1207	26	808	136	1	0	3
	13-Aug-93	5	286	28	522	287	0	0	
	TFW	27	2008	67	1645	473	1	0	3
	TTD	934	78778	3202	13244	9833	617	89	39

Appendix I Area 3 Catch Summary 1993

AREA 3		3Y	GN CATCH					18-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
34	16-Aug-93	3	144	6	114	12	0	0	
	TFW	3	144	6	114	12	0	0	
	TTD	937	78922	3208	13358	9845	617	89	39
35	23-Aug-93	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	937	78922	3208	13358	9845	617	89	39
36	30-Aug-93	13	178	91	728	1008	0	0	0
	31-Aug-93	6	92	81	1450	425	4	0	4
	TFW	19	270	172	2178	1433	4	0	4
	TTD	956	79192	3380	15536	11278	621	89	43

Appendix I Area 3 Catch Summary 1993

AREA 3		3Z	GN CATCH					18-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
25	15-Jun-93	109	2242	22	0	131	164	11	7
	TFW	109	2242	22	0	131	164	11	7
	TTD	109	2242	22	0	131	164	11	7
26	22-Jun-93	153	5561	30	12	120	106	35	0
	23-Jun-93	67	3124	43	10	105	100	7	0
	TFW	220	8686	73	22	225	206	42	0
	TTD	329	10927	95	22	356	370	53	7
27	29-Jun-93	67	9396	117	273	195	115	0	0
	30-Jun-93	68	5982	204	633	628	92	0	0
	TFW	135	15378	321	906	823	207	0	0
	TTD	464	26305	416	928	1179	577	53	7
28	05-Jul-93	66	10076	319	1640	1205	68	8	
	06-Jul-93	68	10784	467	1853	1238	99	5	
	09-Jul-93	95	12906	238	6360	3237	48	10	
	10-Jul-93	40	8760	68	3064	1240	88	0	4
	TFW	269	42526	1092	12917	6920	303	23	4
	TTD	733	68831	1508	13845	8099	880	76	11
29	13-Jul-93	48	20044	67	2420	576	31	0	0
	14-Jul-93	54	13371	19	8958	797	21	0	6
	15-Jul-93	38	1721	3	2969	295	11	2	6
	17-Jul-93	66	8671	0	3408	1887	0	0	0
	18-Jul-93	37	5161	10	3972	1805	7	0	0
	TFW	243	48968	99	21727	5360	70	2	12
	TTD	976	117799	1607	35572	13459	950	78	23
30	19-Jul-93	31	2444	15	2174	1093	1	1	2
	24-Jul-93	10	1462	159	616	503	2	0	2
	25-Jul-93	7	1722	10	892	506	2	0	
	TFW	48	5628	184	3682	2102	5	1	4
	TTD	1024	123427	1791	39254	15561	955	79	27
31	26-Jul-93	46	8372	92	5014	1886	0	0	
	27-Jul-93	28	2464	84	1764	462	0	0	0
	28-Jul-93	27	3456	54	1296	837	5	0	3
	29-Jul-93	24	3380	53	812	636	3	3	3
	30-Jul-93	23	3012	48	1138	80	11	0	3
	TFW	148	20684	331	10024	3901	19	3	9
	TTD	1172	144111	2122	49278	19462	974	82	36
32	03-Aug-93	37	10101	212	4107	703	24	15	6
	04-Aug-93	31	6665	372	2434	868	93	9	12
	05-Aug-93	31	4774	205	1581	713	49	8	19
	08-Aug-93	42	14490	185	3612	966	63	0	36
	TFW	141	36030	974	11734	3250	229	32	73
	TTD	1313	180141	3096	61012	22712	1203	114	109

AREA 3		3Z	GN CATCH					18-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
33	09-Aug-93	39	22752	297	5976	1296	79	75	46
	10-Aug-93	46	23086	393	6666	1806	109	0	61
	11-Aug-93	32	11936	96	3200	640	32	32	19
	12-Aug-93	26	2210	234	1820	520	0	0	
	13-Aug-93	23	6210	368	3289	644	115	12	12
	TFW	166	66194	1388	20951	4906	335	119	138
	TTD	1479	246335	4484	81963	27618	1538	233	247
34	16-Aug-93	37	6055	245	2765	1391	21	54	3
	17-Aug-93	39	4290	215	3159	4095	29	22	23
	18-Aug-93	29	3973	377	2871	5075	29	0	46
	19-Aug-93	21	1791	309	2499	4883	15	0	19
	TFW	126	16109	1146	11294	15444	94	76	91
	TTD	1605	262444	5630	93257	43062	1632	309	338
35	23-Aug-93	29	1000	146	2486	4548	62	0	0
	24-Aug-93	46	1748	552	3312	15502	28	0	17
	25-Aug-93	47	3760	799	11374	20022	47	0	28
	26-Aug-93	34	1530	306	3162	5576	12	0	8
	TFW	156	8038	1803	20334	45648	149	0	53
	TTD	1761	270482	7433	113591	88710	1781	309	391
36	30-Aug-93	95	1726	667	8179	8126	0	0	10
	31-Aug-93	63	1442	1537	7886	15529	39	16	16
	01-Sep-93	19	323	190	2050	2755	0	19	2
	02-Sep-93	10	100	160	980	1410	4	18	5
	TFW	187	3591	2554	19095	27820	43	53	33
	TTD	1948	274073	9987	132686	116530	1824	362	424
37	07-Sep-93	25	153	365	548	1165	5	8	
	TFW	25	153	365	548	1165	5	8	
	TTD	1973	274226	10352	133234	117695	1829	370	424

AREA 3

SN TOTAL CATCH

18-Jan-94

Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
29	17-Jul-93	122	26043	1078	55648	4280	180	2	28
	18-Jul-93	131	38945	1318	72001	8907	428	2	42
	TFW	253	64988	2396	127649	13187	608	4	70
	TTD	253	64988	2396	127649	13187	608	4	70
30	19-Jul-93	131	36133	2056	37592	9962	501	3	32
	24-Jul-93	183	75830	3961	141807	21210	732	172	20
	25-Jul-93	183	86388	4260	186412	26188	295	6	17
	TFW	497	198351	10277	365811	57360	1528	181	69
	TTD	750	263339	12673	493460	70547	2136	186	139
31	26-Jul-93	217	107148	6453	154704	29992	731	0	24
	29-Jul-93	258	86985	1725	156919	32298	283	0	31
	30-Jul-93	214	81549	2859	111544	21132	415	6	56
	TFW	689	275682	11037	423167	83422	1429	6	111
	TTD	1439	539021	23710	916627	153969	3565	191	250
32	03-Aug-93	100	67385	3636	206891	24660	196	0	14
	04-Aug-93	113	62735	2619	160353	25265	175	0	43
	TFW	213	130120	6255	367244	49925	371	0	57
	TTD	1652	669141	29985	1283871	203894	3936	191	307
33	09-Aug-93	34	42190	690	83180	2490	82	13	24
	10-Aug-93	27	12069	1051	161625	4059	30	0	2
	13-Aug-93	27	7884	1693	114254	8680	23	0	2
	TFW	88	62143	3434	359059	15229	135	13	28
	TTD	1740	731284	33399	1642930	219123	4071	204	335
34	16-Aug-93	11	2750	440	44400	4364	13	6	7
	TFW	11	2750	440	44400	4364	13	6	7
	TTD	1751	734034	33839	1687330	223487	4084	210	342
35	23-Aug-93	26	3852	2489	144734	18802	32	0	4
	TFW	26	3852	2489	144734	18802	32	0	4
	TTD	1777	737886	36328	1832064	242289	4116	210	346
36	30-Aug-93	21	915	1325	13116	5237	9	0	2
	31-Aug-93	18	1394	1794	42968	8381	8	0	0
	TFW	39	2309	3119	56084	13618	17	0	2
	TTD	1816	740195	39447	1888148	255907	4133	210	348

Appendix I Area 3 Catch Summary 1993

AREA 3		3X	SN CATCH					18-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
29	17-Jul-93	17	2516	442	2193	51	54	2	0
	18-Jul-93	24	4080	672	6394	588	154	2	2
	TFW	41	6596	1114	8587	639	208	4	2
	TTD	41	6596	1114	8587	639	208	4	2
30	19-Jul-93	28	4788	1064	8652	1456	176	3	3
	24-Jul-93	9	2160	999	3213	450	29	0	
	25-Jul-93	20	7440	880	14600	230	60	0	
	TFW	57	14388	2943	26465	2136	265	3	3
	TTD	98	20984	4057	35052	2775	473	7	5
31	26-Jul-93	38	20216	1786	29336	4522	190	0	24
	29-Jul-93	39	17784	507	16263	1833	62	0	31
	30-Jul-93	46	29210	1012	17388	3059	138	0	14
	TFW	123	67210	3305	62987	9414	390	0	69
	TTD	221	88194	7362	98039	12189	863	7	74
32	03-Aug-93	15	10635	375	16770	1890	30	0	9
	04-Aug-93	27	19008	864	40635	5643	100	0	16
	TFW	42	29643	1239	57405	7533	130	0	25
	TTD	263	117837	8601	155444	19722	993	7	99
33	09-Aug-93	0	0	0	0	0	0	0	0
	10-Aug-93	0	0	0	0	0	0	0	0
	13-Aug-93	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	263	117837	8601	155444	19722	993	7	99
34	16-Aug-93	1	200	8	900	14	6	0	
	TFW	1	200	8	900	14	6	0	
	TTD	264	118037	8609	156344	19736	999	7	99

AREA 3		3Y	SN CATCH					18-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
29	17-Jul-93	53	10016	96	7075	1303	39	0	1
	18-Jul-93	62	16081	389	14675	5091	166	0	19
	TFW	115	26097	485	21750	6394	205	0	20
	TTD	115	26097	485	21750	6394	205	0	20
30	19-Jul-93	58	15490	498	15080	4372	216	0	19
	24-Jul-93	94	42046	1803	58340	5252	388	52	15
	25-Jul-93	118	63184	2624	97712	15446	146	3	3
	TFW	270	120720	4925	171132	25070	750	55	37
	TTD	385	146817	5410	192882	31464	955	55	57
31	26-Jul-93	125	68852	3328	89524	16290	414	0	
	29-Jul-93	144	48542	1055	66425	20965	201	0	
	30-Jul-93	135	40773	1452	53820	11023	248	3	40
	TFW	404	158167	5836	209769	48278	863	3	40
	TTD	789	304984	11245	402651	79742	1818	58	97
32	03-Aug-93	43	39238	1869	102010	8971	133	0	2
	04-Aug-93	55	32978	1233	66981	11264	10	0	14
	TFW	98	72216	3102	168991	20235	143	0	16
	TTD	887	377200	14347	571642	99977	1961	58	113
33	09-Aug-93	23	19970	580	36980	950	80	0	20
	10-Aug-93	18	6030	754	120990	2070	3	0	
	13-Aug-93	12	4079	463	40095	2868	20	0	2
	TFW	53	30079	1797	198065	5888	103	0	22
	TTD	940	407279	16144	769707	105865	2064	58	135
34	16-Aug-93	2	450	59	7000	800	1	1	1
	TFW	2	450	59	7000	800	1	1	1
	TTD	942	407729	16203	776707	106665	2065	59	136
35	23-Aug-93	5	563	440	27123	3558	2	0	2
	TFW	5	563	440	27123	3558	2	0	2
	TTD	947	408292	16643	803830	110223	2067	59	138
36	30-Aug-93	6	120	366	1716	812	3	0	2
	31-Aug-93	10	294	464	13368	3160	3	0	0
	TFW	16	414	830	15084	3972	6	0	2
	TTD	963	408706	17473	818914	114195	2073	59	140

Appendix I Area 3 Catch Summary 1993

AREA 3		3Z	SN CATCH					18-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
29	17-Jul-93	52	13511	540	46380	2926	87	0	27
	18-Jul-93	45	18784	257	50932	3228	108	0	21
	TFW	97	32295	797	97312	6154	195	0	48
	TTD	97	32295	797	97312	6154	195	0	48
30	19-Jul-93	45	15855	494	13860	4134	109	0	10
	24-Jul-93	80	31624	1159	80254	15508	315	120	5
	25-Jul-93	45	15764	756	74100	10512	89	3	14
	TFW	170	63243	2409	168214	30154	513	123	29
	TTD	267	95538	3206	265526	36308	708	123	77
31	26-Jul-93	54	18080	1339	35844	9180	127	0	
	29-Jul-93	75	20659	163	74231	9500	20	0	
	30-Jul-93	33	11566	395	40336	7050	29	3	2
	TFW	162	50305	1897	150411	25730	176	3	2
	TTD	429	145843	5103	415937	62038	884	126	79
32	03-Aug-93	42	17512	1392	88111	13799	33	0	3
	04-Aug-93	31	10749	522	52737	8358	65	0	13
	TFW	73	28261	1914	140848	22157	98	0	16
	TTD	502	174104	7017	556785	84195	982	126	95
33	09-Aug-93	11	22220	110	46200	1540	2	13	4
	10-Aug-93	9	6039	297	40635	1989	27	0	2
	13-Aug-93	15	3805	1230	74159	5812	3	0	
	TFW	35	32064	1637	160994	9341	32	13	6
	TTD	537	206168	8654	717779	93536	1014	139	101
34	16-Aug-93	8	2100	373	36500	3550	6	5	6
	TFW	8	2100	373	36500	3550	6	5	6
	TTD	545	208268	9027	754279	97086	1020	144	107
35	23-Aug-93	21	3289	2049	117611	15244	30	0	2
	TFW	21	3289	2049	117611	15244	30	0	2
	TTD	566	211557	11076	871890	112330	1050	144	109
36	30-Aug-93	15	795	959	11400	4425	6	0	0
	31-Aug-93	8	1100	1330	29600	5221	5	0	0
	TFW	23	1895	2289	41000	9646	11	0	0
	TTD	589	213452	13365	912890	121976	1061	144	109

Appendix II - 1993 Area 3 Tidal Sport Fish Catch Summary

MONTH	ROD DAYS	TYPE	SK	CO	PK	CM	CN	HAL	LING	RKFISH
Jan-Apr			No Information Available.							
May	250	Guided	0	1	0	0	138	46	11	42
*	548	Non Guided					402			
June	1015	Guided	7	68	13	42	832	224	91	145
*	432	Non Guided	6	12	0	0	131	54	6	72
July	484	Guided	7	218	51	37	235	151	21	156
**	283	Non Guided	3	30	5	0	33	35	8	31
Aug	537	Guided	6	707	300	74	117	132	42	223
**	690	Non Guided	2	141	317	0	8	158	0	203
Sept	307	Guided	0	322	14	10	41	70	12	122
***	24	Non Guided		33			1			
Oct-Dec			No Information Available.							
TOTAL	4570	ALL	31	1532	700	163	1938	870	191	994
TOTAL	2593	Guided	20	1316	378	163	1363	623	177	688
	1977	Non Guided	11	216	322	0	575	247	14	306
Notes:										
1. Catch estimates are incomplete; the figures represent a low estimate.										
2. * Represents estimated catch from Work Channel only.										
3. ** Represents estimated catch for Work Channel plus known catch in other portions of Area 3										
4. *** Represents known (observed) catch only. ie. Catch information is a low estimate.										
5. Guided catch information is as reported through the DFO Logbook program.										

Apendix III - 1993 Native Food, Social Ceremonial Catch Summary (Area 3/Nass River)

Nisga'a	Sock	Coho	Pink	Chum	Chin	Stlhd
Canyon City	14,280	64	180	28	3,191	103
Greenville	12,444	589	968	254	2,206	209
Kincolith	6,499	15	1,215	148	379	61
Total (Nisga'a)	33,223	668	2,363	430	5,776	373
1993 Allocation	50,000	3,500	5,000	500	7,000	0
Gitanyow	Sock	Coho	Pink	Chum	Chin	Stlhd
	5,294	0	0	0	378	0
Total (Gitanyow)	5,294	0	0	0	378	0
1993 Allocation	5,200	250	185	25	620	0
Total Catch	38,517	668	2,363	430	6,154	373
1993 Nass Allocation	55,200	3,750	5,185	525	7,620	0

Appendix III - 1993 Nisga'a Food, Social and Ceremonial Catch Figures (Area 3/Nass River)

Canyon City (North) Band								
Week	Wk. End	Sock	Coho	Pink	Chum	Chin	Jack	Stlhd
19	8-May	0	0	0	0	20	0	12
20	15-May	0	0	0	0	33	0	19
21	22-May	0	0	0	0	0	0	0
22	29-May	0	0	0	0	4	0	0
23	5-Jun	34	0	0	0	225	0	6
24	12-Jun	144	0	0	0	529	0	2
25	19-Jun	884	0	0	0	1,071	0	0
26	26-Jun	694	0	0	0	519	0	0
27	3-Jul	1,237	0	5	0	504	0	0
28	10-Jul	4,193	0	0	0	124	0	0
29	17-Jul	2,686	2	13	0	63	0	2
30	24-Jul	1,614	1	76	9	44	0	7
31	31-Jul	1,165	1	52	2	19	0	8
32	7-Aug	143	4	9	0	4	0	2
33	14-Aug	1,099	20	21	5	16	0	28
34	21-Aug	343	27	3	1	0	0	4
35	28-Aug	40	4	0	8	16	0	12
36	4-Sep	0	0	0	0	0	0	0
37	11-Sep	4	5	1	3	0	0	1
38	18-Sep							
39	25-Sep							
40	2-Oct							
TOTAL		14,280	64	180	28	3,191	0	103
Greenville (South) Band								
Week	Wk. End	Sock	Coho	Pink	Chum	Chin	Jack	Stlhd
19	8-May	0	0	0	0	0	0	0
20	15-May	0	0	0	0	20	0	1
21	22-May	0	0	0	0	10	0	1
22	29-May	2	0	0	0	101	0	9
23	5-Jun	2	0	0	0	281	0	2
24	12-Jun	83	0	0	0	533	0	0
25	19-Jun	140	0	0	0	442	0	0
26	26-Jun	452	0	0	0	364	0	0
27	3-Jul	1,249	0	0	0	241	0	0
28	10-Jul	3,482	0	46	3	93	0	6
29	17-Jul	3,362	0	45	2	21	0	0
30	24-Jul	603	0	112	7	25	0	5
31	31-Jul	1,320	22	348	9	47	0	24
32	7-Aug	990	97	63	0	21	0	25
33	14-Aug	599	0	11	0	7	0	2
34	21-Aug	76	31	35	10	0	0	2
35	28-Aug	31	28	43	12	0	0	15
36	4-Sep	25	223	231	173	0	0	83
37	11-Sep	28	188	34	38	0	0	34
38	18-Sep							
39	25-Sep							
40	2-Oct							
TOTAL		12,444	589	968	254	2,206	0	209
Kincolith Band								

Appendix III - 1993 Nisga'a Food, Social and Ceremonial Catch Figures (Area 3/Nass River)

Week	Wk. End	Sock	Coho	Pink	Chum	Chin	Jack	Stlhd
19	8-May	0	0	0	0	0	0	0
20	15-May	0	0	0	0	0	0	4
21	22-May	0	0	0	0	10	0	3
22	29-May	3	0	0	0	35	0	7
23	5-Jun	49	0	0	0	33	0	0
24	12-Jun	284	0	0	0	51	0	1
25	19-Jun	622	0	0	2	35	0	5
26	26-Jun	942	0	1	10	62	0	1
27	3-Jul	2,297	0	5	3	82	0	1
28	10-Jul	100	0	233	0	20	0	0
29	17-Jul	1,374	0	187	10	22	0	0
30	24-Jul	289	0	98	2	6	0	0
31	31-Jul	59	6	129	0	11	0	7
32	7-Aug	324	8	108	56	10	0	0
33	14-Aug	0	0	336	0	1	0	0
34	21-Aug	90	0	69	0	0	0	0
35	28-Aug	66	1	4	65	1	0	32
36	4-Sep	0	0	45	0	0	0	0
37	11-Sep	0	0	0	0	0	0	0
38	18-Sep							
39	25-Sep							
40	2-Oct							
TOTAL		6,499	15	1,215	148	379	0	61
Nisga'a (All Bands)								
Week	Wk. End	Sock	Coho	Pink	Chum	Chin	Jack	Stlhd
19	8-May	0	0	0	0	20	0	12
20	15-May	0	0	0	0	53	0	24
21	22-May	0	0	0	0	20	0	4
22	29-May	5	0	0	0	140	0	16
23	5-Jun	85	0	0	0	539	0	8
24	12-Jun	511	0	0	0	1,113	0	3
25	19-Jun	1,646	0	0	2	1,548	0	5
26	26-Jun	2,088	0	1	10	945	0	1
27	3-Jul	4,783	0	10	3	827	0	1
28	10-Jul	7,775	0	279	3	237	0	6
29	17-Jul	7,422	2	245	12	106	0	2
30	24-Jul	2,506	2	286	18	75	0	12
31	31-Jul	2,544	29	529	11	77	0	39
32	7-Aug	1,457	31	180	56	35	0	27
33	14-Aug	1,698	101	368	5	24	0	30
34	21-Aug	509	20	107	11	0	0	6
35	28-Aug	137	59	47	85	17	0	59
36	4-Sep	25	32	276	173	0	0	83
37	11-Sep	32	223	35	41	0	0	35
38	18-Sep	0	193	0	0	0	0	0
39	25-Sep	0	0	0	0	0	0	0
40	2-Oct	0	0	0	0	0	0	0
TOTAL		33,223	668	2,363	430	5,776	0	373

Appendix IV - 1993 Area 3 Escapement Summary

NASS RIVER SUB-AREA STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
=====	=====	=====	=====	=====	=====
Anliyen Creek		N/I			
Ansedagan Creek		N/I	N/I	N/I	
Anudol Creek					700
Bell-Irving River***					4600
Bowser River & Lake	17890	Unk			Unk
Brown Bear Creek	N/I	N/I	N/I		
Burton Creek			400	N/O	
Chambers Creek		Unk	8000	1	N/O
Cranberry River		Unk	Unk		5000
Damdochax River & Lake	6000				5100
Diskangieg Creek		N/I	N/I		
Flewin Creek			200		
Gingit Creek	400	Unk	Unk	Unk	
Ginlulak Creek		500	Unk	Unk	
Gitzyon Creek	N/I	N/I	N/I	N/I	N/I
Hodder Creek					
Iknouk River			50000	N/O	N/O
Ishkeenickh River	Unk	Unk	Unk	Unk	200
Kincolith River		Unk	5000	Unk	Unk
Kinskutch River		N/I	N/I		N/I
Kiteen River		Unk			360
Ksedin Creek		N/I	N/I	N/I	
Kwinageese River	16000	Unk			2100
Kwinyarh Creek		N/I	N/I	N/I	
Kwinyiak River		N/I	N/I	N/I	
McKnight Creek		N/I			
Meziadin River & Lake	400000	1090	2		1600
Nass Mainstem & other Tribs.*		Unk	Unk	Unk	2850
Oweegie Creek & Lake	N/I	N/I			N/I
Quilgauw Creek		N/I		N/I	
Saladamis Creek					N/I
Seaskinnish Creek	N/I	N/I	N/I	N/I	1100
Shumal Creek			N/I		
Snowbank Creek		N/I			N/O
Tchitin River	450	500	100		350
Teigen Creek		N/I			N/I
Tseax River	Unk	Unk	Unk	Unk	2000
Tseax Slough **		Unk	Unk	Unk	
Van Dyke Creek		N/I			
Vetter Creek & Slough		N/I	N/I	N/I	
Wegiladap Creek		N/I	N/I	N/I	
Welda Creek			400		
Wilyayanooth Creek		N/I	N/I	N/I	
Zolzap Creek	N/I	1100	N/I	N/I	N/I
Zolzap Slough		N/I	N/I	N/I	
=====	=====	=====	=====	=====	=====
NASS RIVER TOTAL:	440740	3190	64102	1	25960
=====	=====	=====	=====	=====	=====

Chinook estimates not final as of January 21/94

*Tribes. include, Tseax River & Slough, Kwinatahl, Zoulzap, Ksedin, Shumal, Muskaboo & Kotsinta

** Slough chinook information combined with River/Creek escapements.

***Tribes include Teigen/Snowbank, Oweegee, Taft and Hodder

Appendix IV - 1993 Area 3 Escapement Summary

PORTLAND CANAL SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Bear River	N/I	N/I	N/I	N/I	
Belle Bay Creek		N/O	3000		
Dogfish Bay Creek		N/I	25000	N/O	
Donahue Creek		N/O	2500	300	N/O
Georgie Creek		N/O	5000	600	N/O
Rainy Creek		N/I			
Roberson Creek		N/I	150	N/O	
PORTLAND CANAL TOTAL	0	0	35650	900	0

OBSERVATORY INLET SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Cascade Creek			N/I		
Illiance River		100	1000	2000	
Kitsault River		Unk	600	5000	50
Kshwan River		Unk	Unk	50000	
Olh Creek		N/I	N/I	N/I	
Perry Bay Creek			N/I	N/I	
Salmon Cove Creek		Unk	3000		
Stagoo Creek		Unk	2000	5000	
Wilauks Creek		N/I	300	300	
OBSERVATORY INLET TOTAL	0	100	6900	62300	50

PORTLAND INLET SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Kutzeymateen River	Unk	2000	35000	6000	200
Kwinamass River		1000	120000	100	200
Lizard Creek		Unk	14000	Unk	
Manzanita Cove Creek		N/O	1000		
Nasoga Gulf Creek			N/I		
Tsampanaknok Bay Creek		N/I	N/I		
PORTLAND INLET TOTAL	0	3000	170000	6100	400

Appendix IV - 1993 Area 3 Escapement Summary

WORK CHANNEL SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Ensheshese River		500	12000	500	
Lachmach River		720	8000	150	
Leverson Lake System	N/O	Unk	Unk	N/O	
Toon River	Unk	Unk	10000	10000	
WORK CHANNEL TOTAL	0	1220	30000	10650	0

COASTAL SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Brundige Creek		N/O	100	N/O	
Sandy Bay Creek		N/I	1200	N/O	
Stuman Creek		N/O	1000	N/O	
Tracy Creek		N/I	2500	Unk	
Turk Creek		N/I	250	N/O	
Whitley Point Creek			1500		
WORK CHANNEL TOTAL	0	0	6550	0	0

AREA 3 TOTAL	440740	7510	313202	79951	26410
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Appendix V - Nass River Test Fishery Index (1993)

NASS TEST FISHERY INDICES OF ESCAPEMENT FOR SOCKEYE AND CHINOOK AND ESTIMATED SOCKEYE ESCAPEMENT FOR 1993					
DATE	DAILY		INSEASON		ADJUSTED
	SOCKEYE INDEX	CHINOOK INDEX	SOCKEYE ESCAPEMENT	SOCKEYE ESCAPEMENT	SOCKEYE ESCAPEMENT
6-Jun	0.00	0.63	0	0	0
7-Jun	0.67	0.67	525	961	961
8-Jun	0.95	0.63	744	1363	1363
9-Jun	2.26	2.58	1770	3242	3242
10-Jun	0.87	0.70	681	1248	1248
11-Jun	2.70	1.27	2114	3873	3873
12-Jun	3.71	0.65	2905	5322	5322
13-Jun	3.09	1.18	2419	4433	4433
14-Jun	4.07	0.98	3187	5839	5839
15-Jun	3.18	2.43	2490	4562	4562
16-Jun	1.79	0.71	1402	2568	2568
17-Jun	2.95	0.98	2310	4232	4232
18-Jun	0.66	0.17	517	947	947
19-Jun	3.79	0.61	2968	5437	5437
20-Jun	6.27	1.49	4909	8995	8995
21-Jun	9.38	0.94	7345	13456	13456
22-Jun	1.30	0.43	1018	1865	1865
23-Jun	0.68	1.02	532	976	976
24-Jun	0.56	0.00	438	803	803
25-Jun	1.08	0.36	846	1549	1549
26-Jun	1.23	0.00	963	1765	1765
27-Jun	2.81	0.33	2200	4031	4031
28-Jun	6.41	0.31	5019	9196	9196
29-Jun	3.80	0.17	2975	5451	5451
30-Jun	2.46	0.00	1926	3529	3529
1-Jul	1.23	0.35	963	1765	1765
2-Jul	16.67	0.44	13053	23915	23915
3-Jul	13.54	0.16	10602	19424	19424
4-Jul	12.62	0.15	9881	18105	18105
5-Jul	20.21	0.21	15824	28993	28993
6-Jul	5.65	0.16	4424	8105	8105
7-Jul	4.43	0.16	3469	6355	6355
8-Jul	12.55	0.26	9827	18004	18004
9-Jul	15.23	0.13	11925	21849	21849
10-Jul	3.44	0.00	2694	4935	4935
11-Jul	4.58	0.00	3586	6570	6570
12-Jul	10.14	0.00	7940	14547	14547
13-Jul	12.55	0.00	9827	18004	18004
14-Jul	3.25	0.00	2545	4662	4662
15-Jul	2.24	0.17	1754	3213	3213
16-Jul	5.71	0.14	4471	8192	8192
17-Jul	6.21	0.15	4862	8909	8909
18-Jul	8.65	0.00	6773	12409	12409
19-Jul	2.22	0.00	1738	3185	3185
20-Jul	3.64	0.00	2850	5222	5222
21-Jul	2.75	0.00	2153	3945	3945
22-Jul	1.47	0.00	1151	2109	2109
23-Jul	3.97	0.00	3109	5695	5695
24-Jul	8.12	0.00	6358	11649	11649
25-Jul	7.35	0.00	5755	10544	10544
26-Jul	3.31	0.15	2592	4749	4749
27-Jul	0.16	0.32	125	230	230
28-Jul	1.27	0.00	994	1822	1822
29-Jul	2.64	0.00	2067	3787	3787
30-Jul	3.69	0.00	2889	5294	5294
31-Jul	1.25	0.00	979	1793	1793
1-Aug	3.08	0.00	2412	4419	4419
2-Aug	3.33	0.16	2607	4777	4777
3-Aug	5.11	0.00	4001	7331	7331
4-Aug	6.18	0.00	4839	8866	8866
5-Aug	3.00	0.00	2349	4304	4304
6-Aug	3.45	0.00	2701	4949	4949
7-Aug	5.32	0.00	4166	7632	7632
8-Aug	5.40	0.00	4228	7747	7747
9-Aug	7.48	0.14	5857	10731	10731
10-Aug	8.55	0.00	6695	12266	12266
11-Aug	7.56	0.00	5919	10846	10846
12-Aug	4.48	0.00	3508	6427	6427
TOTAL	330.35	22.49	258664	473918	473918

Appendix VI - Nass River Cumulative Test Fishery Index (1963 to 1993)

HISTORICAL NASS TEST FISHERY CUMULATIVE INDICES OF ESCAPEMENT FOR SOCKEYE AND CHINOOK AND SOCKEYE ESCAPEMENT ESTIMATES FROM 1963 TO 1993							
YEAR	SOCKEYE		CHINOOK	ESTIMATED		ADJUSTED	
	INDEX			SOCKEYE		SOCKEYE	
			INDEX	ESCAPEMENT		ESCAPEMENT	
1963	182.70						
1964	269.73			134890		163845	
1965	222.81			111405		141242	
1966	181.98			90990		113039	
1967	190.72			95360		86713	
1968	265.26			132730		104542	
1969	253.48					182312	
1970	288.49			115396		119112	
1971	362.95			145180		252844	
1972	235.18			94072		181230	
1973	488.56			262625		292331	
1974	319.69			175610		201403	
1975	215.76		27.90	118668		85674	
1976	303.76		23.29	167068		165305	
1977	466.28		31.78	256454		424821	
1978	269.70		29.62	148335		156818	
1979	284.56		77.84	182418		222751	
1980	252.84		38.79	151704		163088	
1981	387.38		27.92	259746		265596	
1982	427.22		24.87	260450		321251	
1983	284.90		56.35	174599		194780	
1984	321.51		77.27	198050		193650	
1985	416.39		52.27	254831		373349	
1986	279.98		61.11	181987		196872	
1987	228.09		39.04	150670		191160	
1988	258.82		41.97	181174		145457	
1989	273.91		42.72	184889		119830	
1990	247.17		34.99	154481		165603	
1991	353.36		21.71	229684		289327	
1992	414.05		15.24	269133		685266	
1993	330.35		22.49	258664		473918	

Area 3 expectations for sockeye salmon for 1994.

1) Average Adult Rate of Return

1) Average Adult Rate of Return										
SPECIES	YEAR	SUB-AREA	TARGET	BROOD YEAR	BROOD ESC.	% AGE COM.	RETURN RATE	PROJECTED RETURNING STOCK	SURPLUS	COMMENTS
SCKEY	1994	PORTLAND CANAL	2500	1990		0.29	2.26	0		
	1989				0.61	2.26	0			
	1988				0.10	2.26	0	-2500		
	TOTAL:					0				
OBSERVATORY INLET										
			242700	1990	155442	0.29	2.26	101877		
				1989	112307	0.61	2.26	154826		
				1988	136760	0.10	2.26	30908		
				TOTAL:				287611	44911	
PORTLAND INLET										
				1990		0.29	2.26	0		
				1989		0.61	2.26	0		
				1988		0.10	2.26	0	0	
				TOTAL:				0		
WORK CHANNEL										
			500	1990		0.29	2.26	0		
				1989	2	0.61	2.26	3		
				1988		0.10	2.26	0		
				TOTAL:				3	-497	
COASTAL										
				1990		0.29	2.26	0		
				1989		0.61	2.26	0		
				1988		0.10	2.26	0		
				TOTAL:				0	0	
TOTAL:			245700					287614	41914	

2) Sibling Age Class Relationships

i) Jack to 4-2 and 5-3 Regression

Regression formula $Y = 87.873(1993 \text{ Mez. Jack count}) + 181570$

$$Y = 87.873(4209) + 181570$$

$$Y = 551,427$$

ii) Regression of 4-2/5-1 vs 5-2/6-3 Returns

Regression formula $Y = .292638(1993 \text{ 4-2 and 5-3 returns}) + 7604$

$$Y = .292638(965669) + 7604$$

$$Y = 290,195$$

iii) Total Return = 551,427 + 290,195

$$= 841,622$$

Area 3 preliminary expectations for pink salmon for 1994.

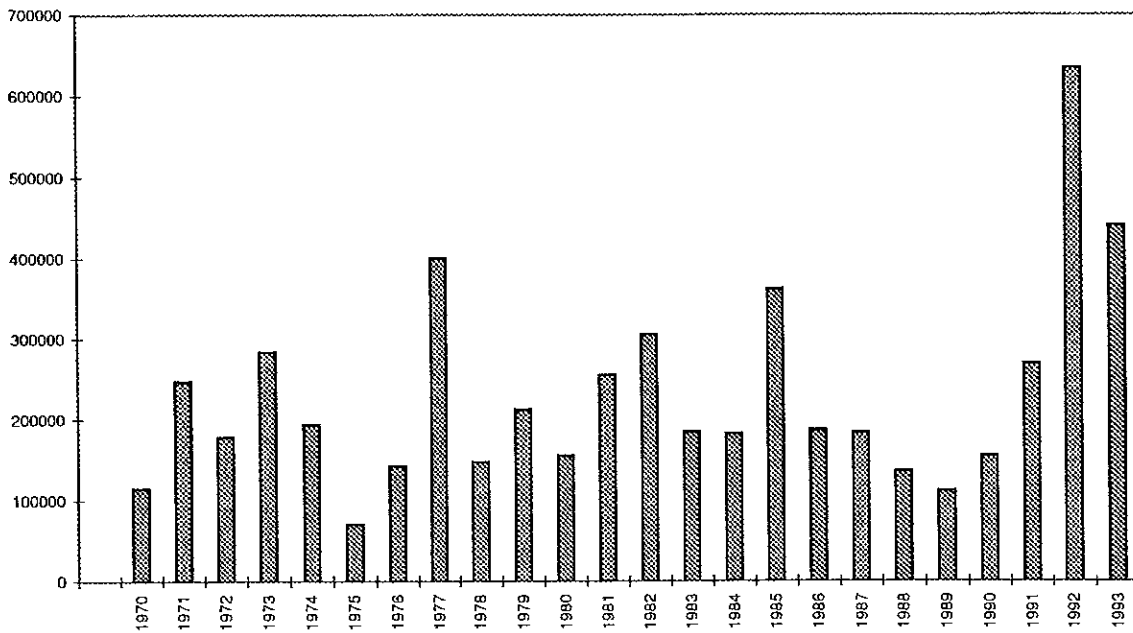
SPECIES	YEAR	SUB-AREA	TARGET ESCAPEMENT	BROOD YEAR	BROOD ESC.	RETURN RATE	PROJECTED		COMMENTS
							RETURNING STOCK	SURPLUS	
PINK	1994	PORTLAND CANAL	24000	1992	1500	2.8	4200	-19800	
		OBSERVATORY INLET	19575	1992	21500	2.8	60200	40625	
		NASS RIVER	141975	1992	17185	2.8	48118	-93857	
		PORTLAND INLET	145700	1992	131800	2.8	369040	223340	
		WORK CHANNEL	25750	1992	9513	2.8	26636	886	
		COASTAL	18500	1992	14000	2.8	39200	20700	
TOTAL:							547394	171894	

Area 3 preliminary expectations for chum salmon for 1994.

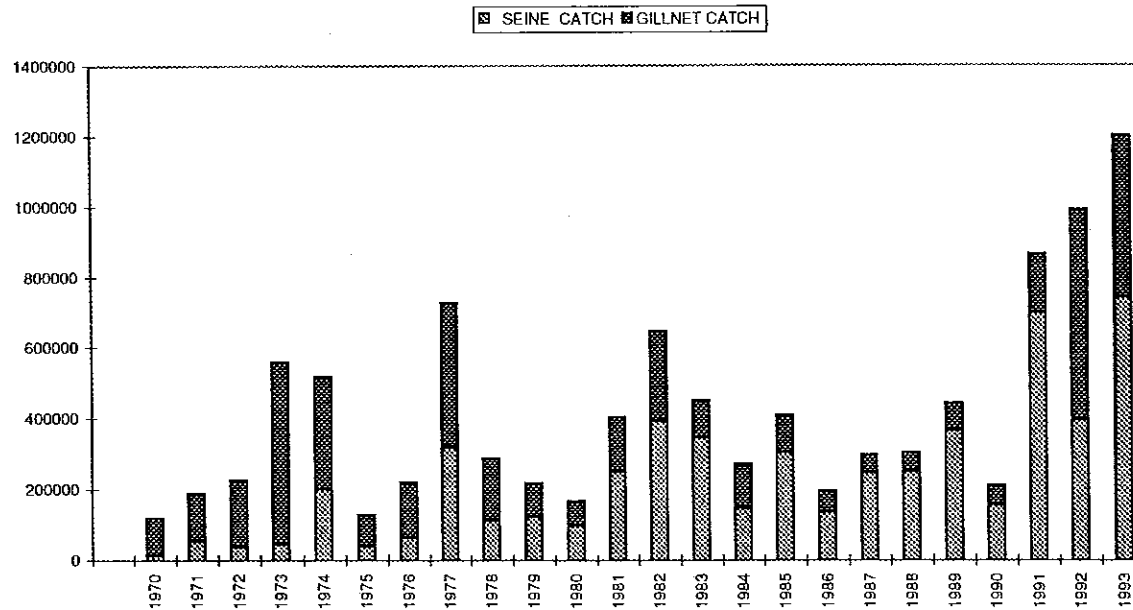
SPECIES	YEAR	SUB-AREA	TARGET ESCAPEMENT	BROOD YEAR	BROOD ESC.	% AGE COMP.	RETURN RATE	PROJECTED RETURNING STOCK	SURPLUS	COMMENTS
CHUM	1994	PORTLAND CANAL	11550	1991 1990 1989	5	0.12 0.70 0.18	1.8 1.8 1.8	0 0 2	-11548	
				TOTAL:				2		
		OBSERVATORY INLET	43800	1991 1990 1989	12000 26000 25000	0.12 0.70 0.18	1.8 1.8 1.8	2592 32760 8100		
				TOTAL:				43452	-348	
		NASS RIVER	25375	1991 1990 1989	80 595 2035	0.12 0.70 0.18	1.8 1.8 1.8	17 750 659		
				TOTAL:				1426	-23949	
		PORTLAND INLET	23600	1991 1990 1989	2600 2000 1500	0.12 0.70 0.18	1.8 1.8 1.8	562 2520 486		
				TOTAL:				3568	-20032	
		WORK CHANNEL	13750	1991 1990 1989	9105 2350 6700	0.12 0.70 0.18	1.8 1.8 1.8	1967 2961 2171		
				TOTAL:				7098	-6652	
		COASTAL	850	1991 1990 1989	50 15	0.12 0.70 0.18	1.8 1.8 1.8	11 0 5		
				TOTAL:				16	-834	
		TOTAL:	118925					55562	-63363	

	Historical Catch and Escapement in Statistical Area 3					
			SOCKEYE			
YEAR		ESCAPE MENT	SEINE CATCH	GILLNET CATCH	TOTAL CATCH	
1970		115503	15438	105595	121033	
1971		247524	55352	134502	189854	
1972		178716	38946	188165	227111	
1973		284682	45089	513703	558792	
1974		193703	202845	316849	519694	
1975		70874	40381	89487	129868	
1976		143405	65728	154734	220462	
1977		400371	320381	406211	726592	
1978		147718	112156	174774	286930	
1979		212944	123635	94028	217663	
1980		155515	99053	68099	167152	
1981		255818	250837	153303	404140	
1982		306070	393917	252957	646874	
1983		185150	345312	105571	450883	
1984		182450	147832	123389	271221	
1985		362545	304004	105866	409870	
1986		187451	136245	60245	196490	
1987		184242	247715	49437	297152	
1988		136760	250845	52841	303686	
1989		112309	365961	76767	442728	
1990		155442	156424	55499	211923	
1991		269850	698101	166931	865032	
1992		634759	397024	593366	990390	
1993		440740	740195	461845	1202040	

AREA 3 SOCKEYE ESCAPEMENT FROM 1970 TO 1993

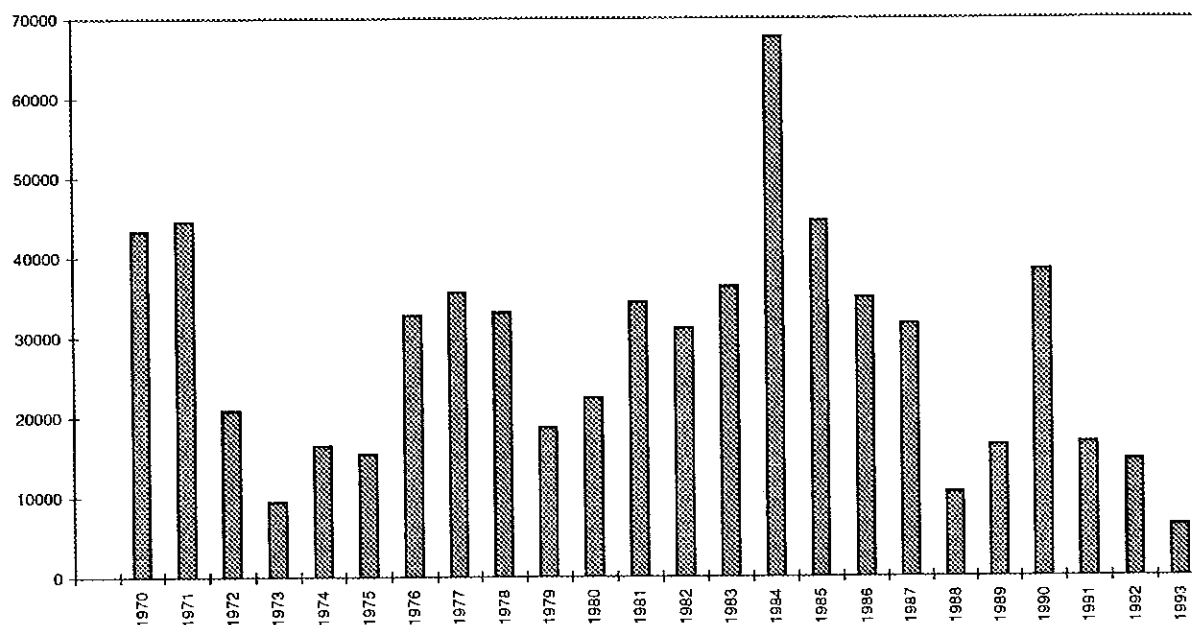


AREA 3 SOCKEYE CATCH FROM 1970 TO 1993

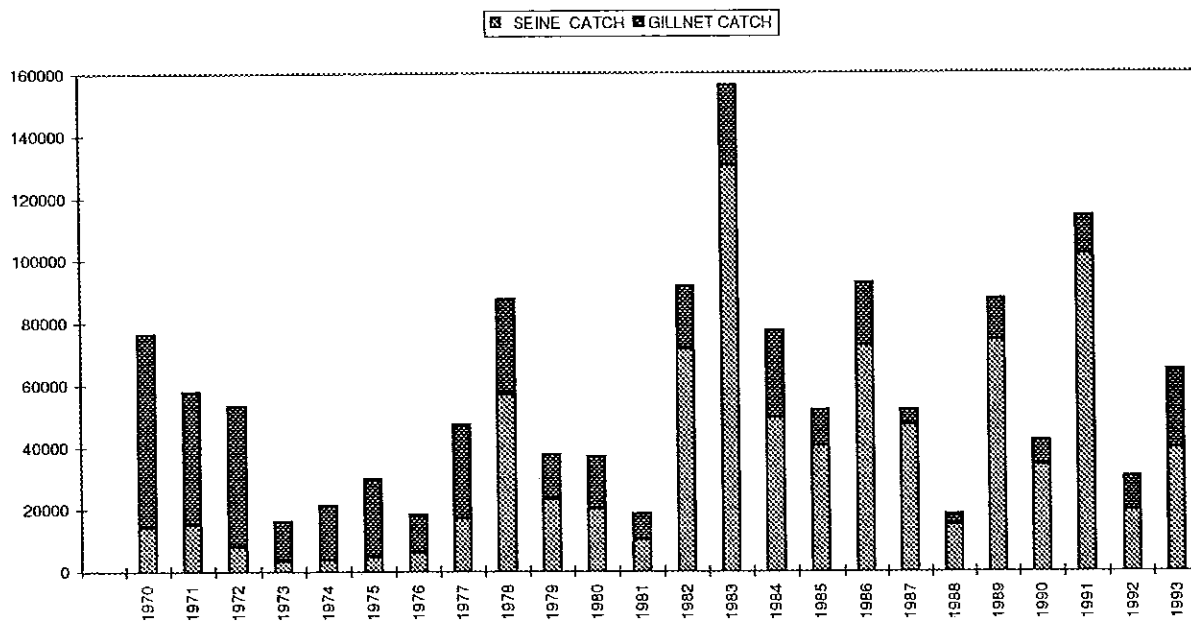


	Historical Catch and Escapement in Statistical Area 3					
			COHO			
YEAR		ESCAPE MENT	SEINE CATCH	GILLNET CATCH	TOTAL CATCH	
1970		43300	14539	61976	76515	
1971		44525	15340	42614	57954	
1972		20850	8339	45016	53355	
1973		9450	3539	12858	16397	
1974		16435	3941	17581	21522	
1975		15410	5063	24863	29926	
1976		32700	6224	12258	18482	
1977		35605	17062	30360	47422	
1978		33100	57147	30330	87477	
1979		18655	23372	14349	37721	
1980		22405	20202	16760	36962	
1981		34429	10288	8232	18520	
1982		31055	71450	20203	91653	
1983		36360	130312	25772	156084	
1984		67650	49324	28068	77392	
1985		44539	40266	11573	51839	
1986		34960	72619	20041	92660	
1987		31652	47111	4707	51818	
1988		10551	15039	3409	18448	
1989		16437	74116	13371	87487	
1990		38459	34162	7810	41972	
1991		16777	101639	12295	113934	
1992		14557	19570	10897	30467	
1993		6410	39447	25329	64776	

AREA 3 COHO ESCAPEMENT FROM 1970 TO 1993

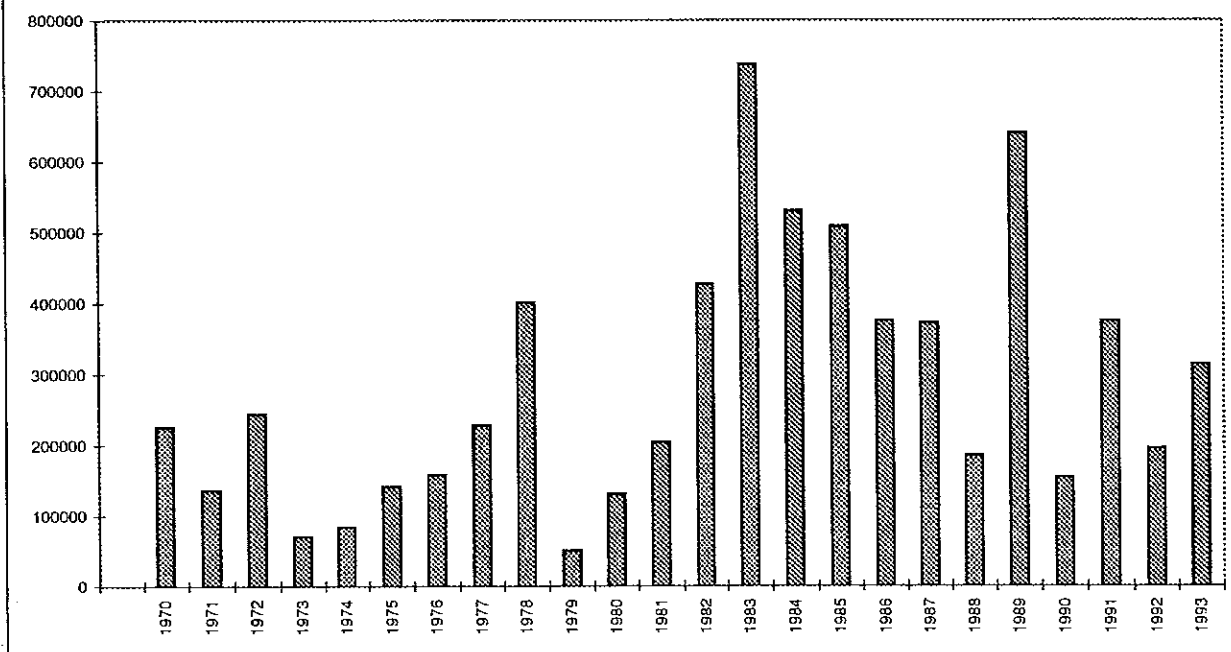


AREA 3 COHO CATCH FROM 1970 TO 1993

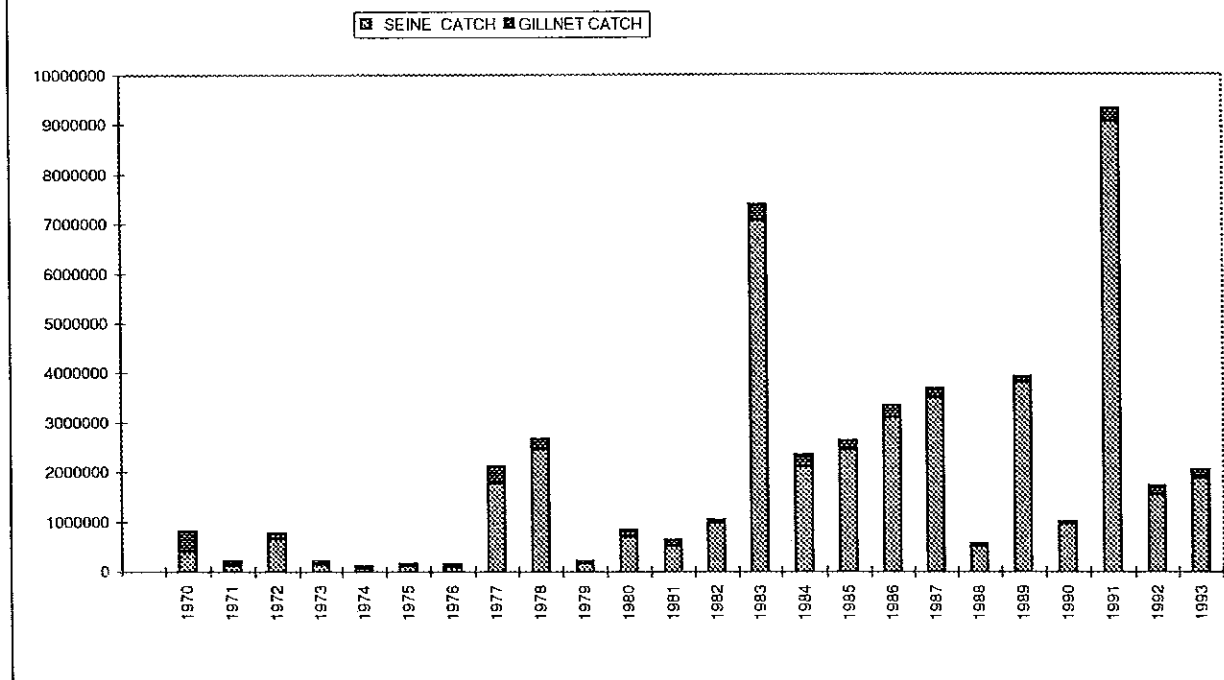


	Historical Catch and Escapement in Statistical Area 3					
			PINK			
YEAR		ESCAPE MENT	SEINE CATCH	GILLNET CATCH	TOTAL CATCH	
1970		226250	417670	394898	812568	
1971		136525	133234	81469	214703	
1972		244600	667824	107169	774993	
1973		70786	146110	70478	216588	
1974		84915	73584	36416	110000	
1975		141758	123183	39045	162228	
1976		158175	107522	51998	159520	
1977		229155	1789114	332862	2121976	
1978		401445	2467376	205699	2673075	
1979		50625	185155	40307	225462	
1980		130775	714832	140159	854991	
1981		204425	534113	113478	647591	
1982		427135	984009	62091	1046100	
1983		738205	7063283	324441	7387724	
1984		531035	2115635	234082	2349717	
1985		508855	2457056	174566	2631622	
1986		375245	3105680	244638	3350318	
1987		372366	3496755	183029	3679784	
1988		185115	527568	34915	562483	
1989		641110	3816401	109863	3926264	
1990		154818	964347	40362	1004709	
1991		375550	9063116	250275	9313391	
1992		195498	1551493	185805	1737298	
1993		314102	1888149	171261	2059410	

AREA 3 PINK ESCAPEMENT FROM 1970 TO 1993

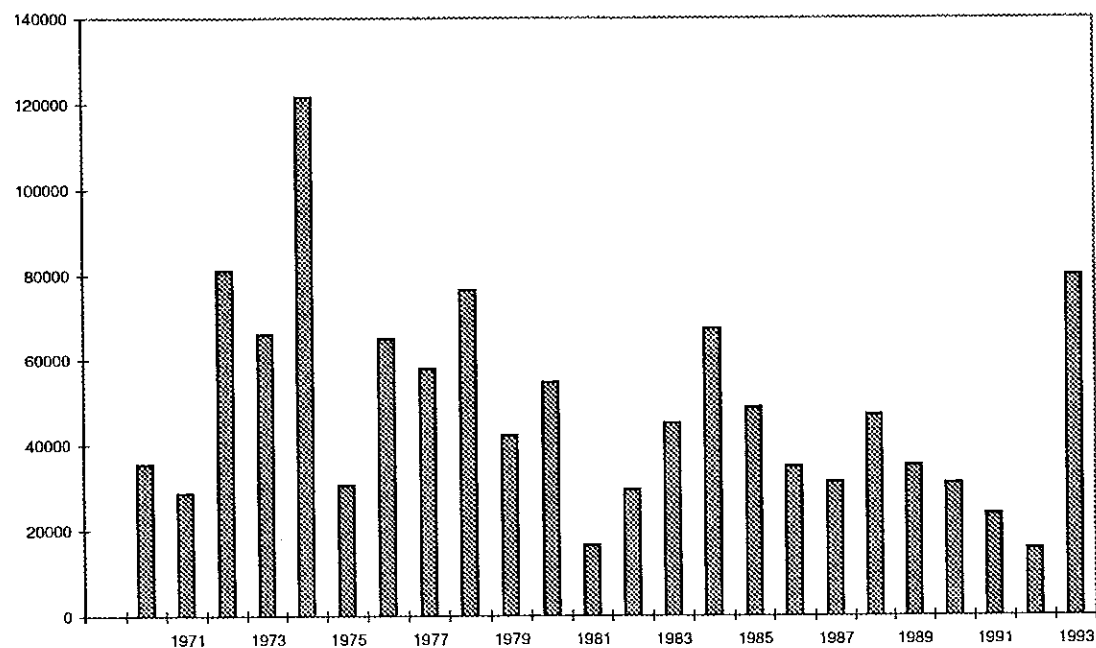


AREA 3 PINK CATCH FROM 1970 TO 1993

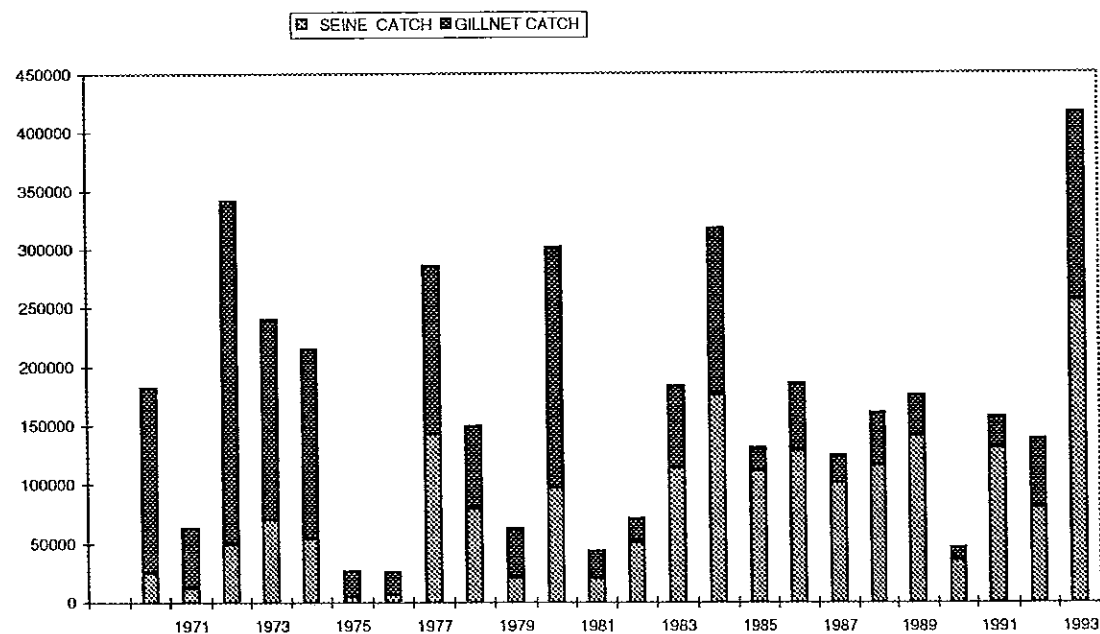


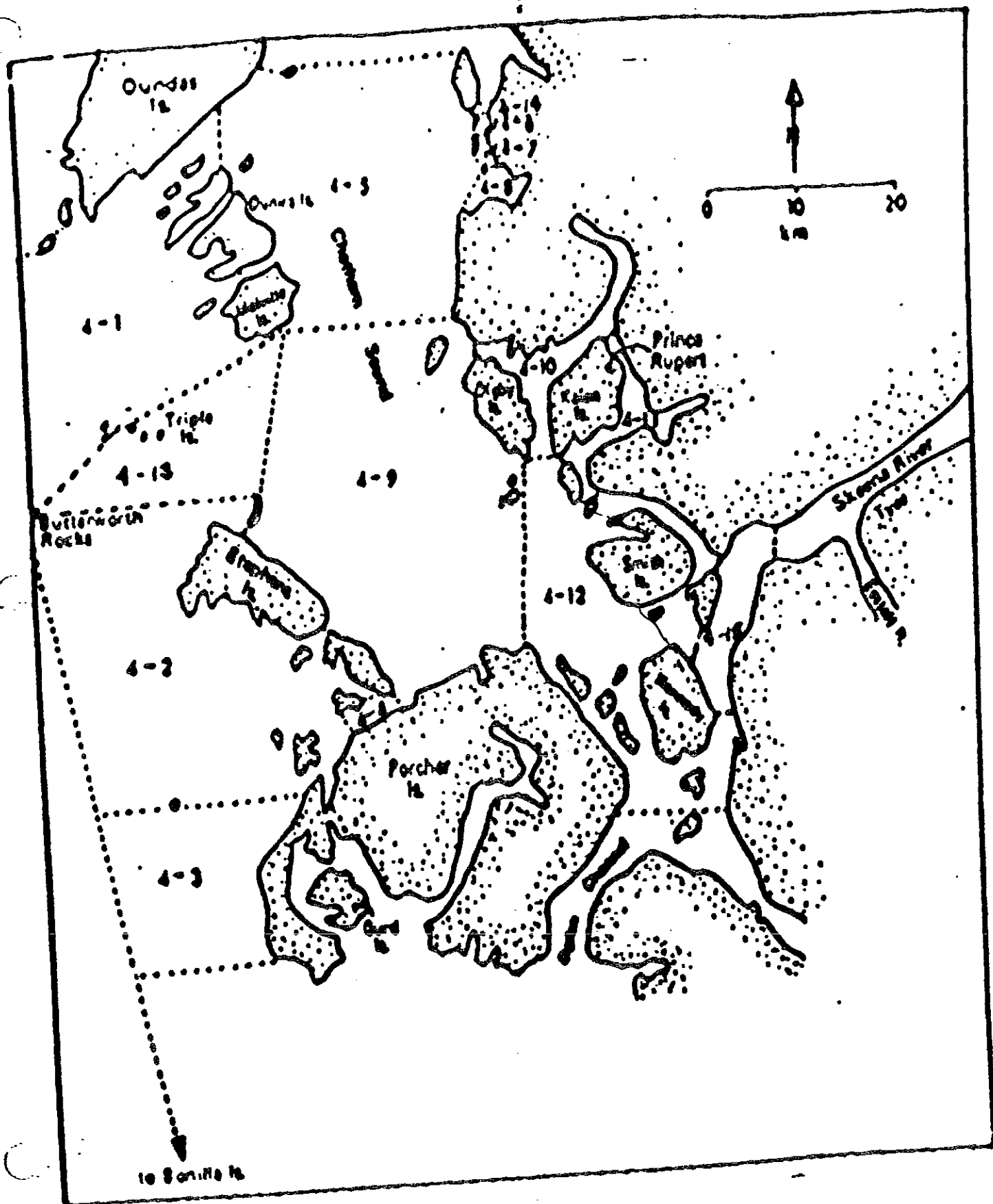
	Historical Catch and Escapement in Statistical Area 3					
			CHUM			
YEAR		ESCAPE MENT	SEINE CATCH	GILLNET CATCH	TOTAL CATCH	
1970		35475	25497	156767	182264	
1971		28825	12367	51226	63593	
1972		81200	49814	292009	341823	
1973		66100	70357	169904	240261	
1974		121570	54544	160550	215094	
1975		30550	5189	21782	26971	
1976		65100	7236	19000	26236	
1977		57975	143099	142576	285675	
1978		76470	79754	69761	149515	
1979		42313	21573	41125	62698	
1980		54794	97625	204068	301693	
1981		16490	20974	22934	43908	
1982		29476	51201	19704	70905	
1983		45115	113918	69505	183423	
1984		67425	176345	140989	317334	
1985		48970	111754	19305	131059	
1986		34900	128739	56830	185569	
1987		31387	101282	23135	124417	
1988		47050	116299	44247	160546	
1989		35255	140991	34116	175107	
1990		30945	36398	10029	46427	
1991		23835	130796	26361	157157	
1992		15671	80606	57976	138582	
1993		79951	255907	159916	415823	

AREA 3 CHUM ESCAPEMENT FROM 1970 TO 1993



AREA 3 CHUM CATCH FROM 1970 TO 1993



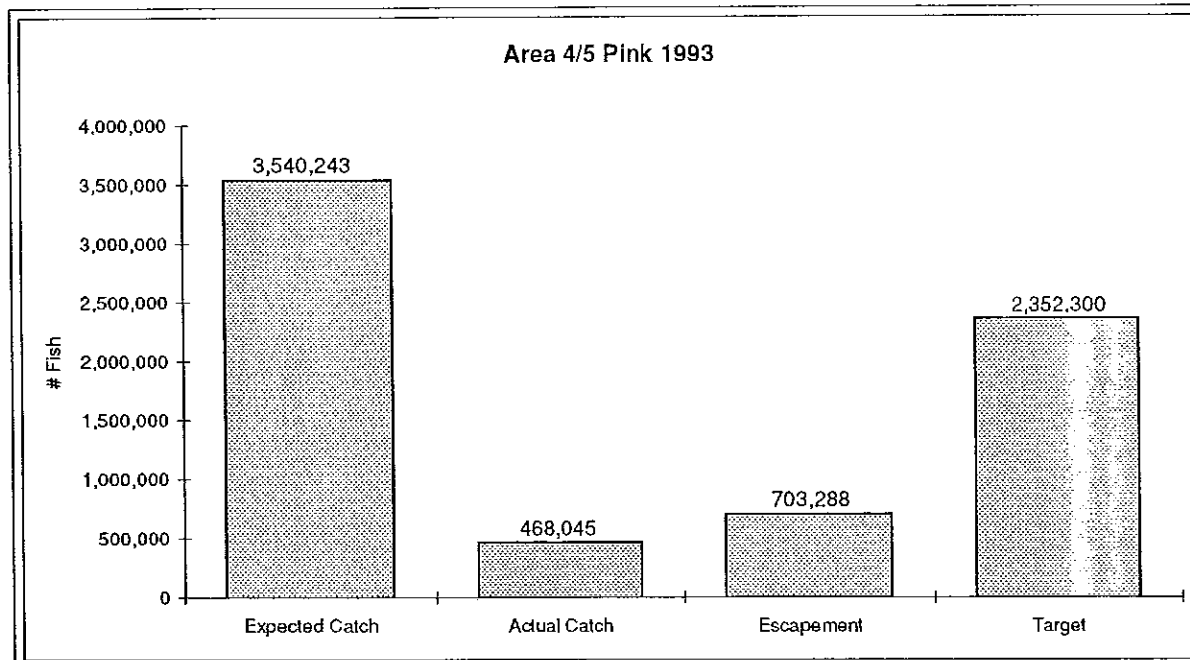
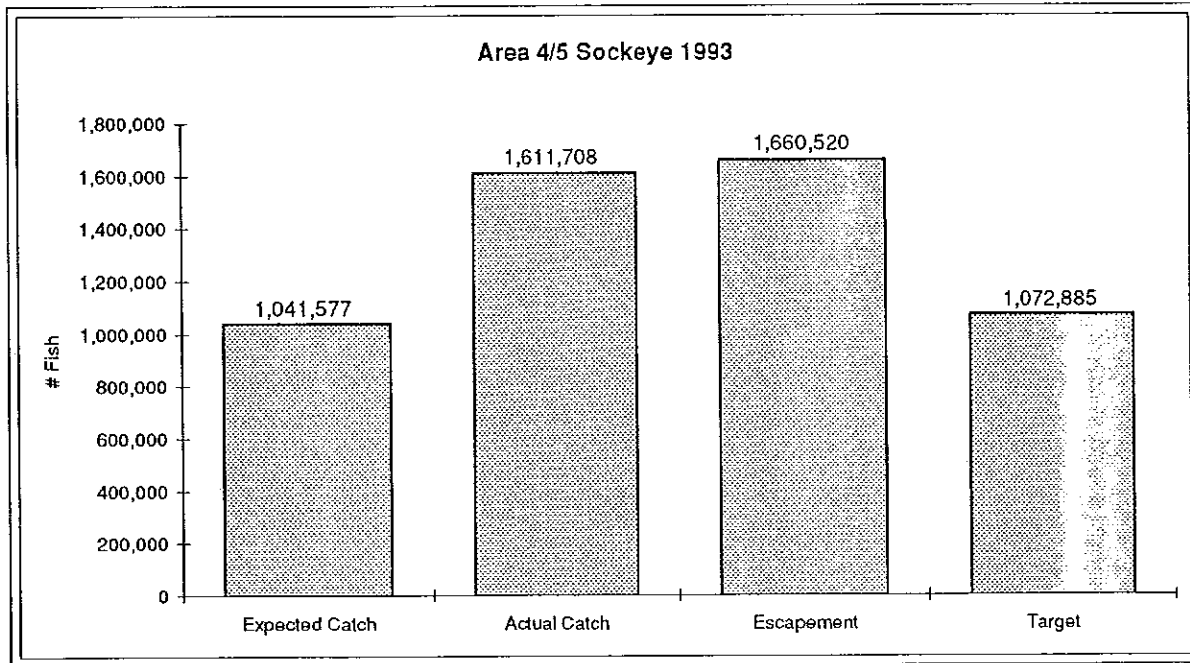


Statistical Area 4, showing DFO Management Units.

[illegible]

Yellow Δ Boundary - Creek mouth boundary, straight line between signs

Yellow Δ Boundary - Creek mouth boundary, straight line between signs



1993 POST SEASON SUMMARY AND ASSESSMENT
AREA 4/5 - SKEENA, GRENVILLE/PRINCIPE SUB-DISTRICT

1. Preseason Expectations - Net Fishery:

	Sockeye	Pink	Chum	Chin
Expected Return	2381471	6051808	105509	**
Target Escapement	950500*	1506350*	88750	97710
Surplus	1041577*	3540243*	40315	**

Note, surpluses and deficits mask one another. Surpluses are from individual stocks.

** No estimates made due to limited age class information.

2. Postseason Catch:

	Sockeye	Coho	Pink	Chum	Chin	Jack	StHd
Commercial Field Catches:							
Seine	142978	4990	97847	12857	2259	11	2
Gillnet	1468730	37080	370198	112228	13888	2166	1459
Total Net	1,611,708	42,070	468,045	125,085	16,147	2,177	1,461
Troll**	513	29359	18802	5638	5130	0	0
Sport Catches:							
Tidal	12	1946	1695	27	1341	0	0
Non-Tidal	0	3520	875	0	6832	0	0
Total	12	5,466	2,570	27	8,173	0	0
E.S.S.R.	137798	0	2020	0	0	0	0
I.F.F. Catches:							
Tidal	48580	192	2416	332	1553	0	86
Non-Tidal	143620	498	3206	391	11509	0	667
Total	192,200	690	5,622	723	13,062	0	753

3. Escapement:

	Sockeye	Coho	Pink	Chum	Chin
1993	1660520	25152	703288	11847	67998
Target*	1072885	Unk	2352300	88750	97710

4. Commercial Fishery Stats:

	Date Of First Fishery	Date Of Last Fishery	Date Of CFB	Total Days Fishing	Total Accum Effort
Seine	July 17	Aug. 16	Sept. 16	12.0	400
Gillnet	June 28	Aug. 23	Sept. 16	22.4	11094
Troll	July 01	Sept. 12	Sept. 12	68	Unk

Notes: (*)

- Jack and Steelhead commercial catch information is a low estimate.
- Troll figures are sales slip updates to January 09, 1994 and are still preliminary.
- Sport fish information is incomplete and represents a low estimate of catch.
- ESSR means Excess to Salmon Spawning Requirements. Fish caught in this fishery are for commercial sale.
- The Sockeye target in section (1) represents the management target for the Skeena of 900,000 plus Area 5 biological target. Section (3) target represents the Area 4 and Area 5 biological targets.
- The Pink target in section (1) represents the one million past the test fishery plus the coastal Area 4 and Area 5 biological targets. Section 3 represents the biological targets of Area 4 & 5.
- The Sockeye surplus represents the total returning Skeena and Area 5 stocks to Areas 3, 4 & 5, minus the Area 3 catch of Skeena and Area 5 sockeye, minus the escapement target of 950,500.
- The Pink surplus represents the total Area 4/5 returning stock minus the target escapement of 1,506,350, minus the Area 3 catch of Area 4 stocks.

5. Proposed General Fishing Plan:

1993 SALMON EXPECTATIONS - AREA 4/5

SOCKEYE The Skeena Sockeye return (to Canadian waters) is forecast to be 2,300,000 providing an Area 4 catch of 1,000,000. The Skeena Sockeye fishery is scheduled to begin with gillnets June 28, seines July 18 in Area 5 and July 25 in Area 4. The opening day and fishing pattern within a week may be varied to take advantage of tidal cycles or unexpected variations in abundance. Net fisheries in all of Area 4 will be restricted to a maximum of 2 days per week for the weeks ending August 7 and August 14 unless Skeena coho returns are better than expected.

Fisheries in the area known as the River/Gap/Slough will be restricted to a maximum of 2 days per week for the month of August in an effort to increase Skeena River Steelhead escapements.

In Area 5 a catch of 50,000 Skeena sockeye is expected. Fishing patterns are largely based on the abundance of Skeena Sockeye and Pink.

PINK The Skeena Pink return is expected to be as high as 5.8 million. This is expected to provide an Area 4 catch of up to 2 million, but the effects of floods in the brood year are unknown and could be severe. A gillnet maximin

mesh of 121 mm will be implemented beginning in the first week of August.

In Area 5 the catch of local and Skeena Pink is expected to total 400,000.

CHUM Chum catches in both Area 4 & 5 will be incidental to directed Sockeye and Pink fisheries.

PROPOSED FISHING PATTERN:

Effective Date	Action
June 28	Open to gillnets for 24 hours in Subareas 4-1, 4-2, 4-3, 4-4, 4-5, 4-8, 4-9, 4-12, 4-13, 4-14 and 4-15. Max. mesh 137 mm. Open to gillnets for 24 hours in Subareas 5-1, 5-2, 5-3, 5-10, 5-11, 5-12 and 5-13 (north of a line from a boundary sign approximately 1 mile north of Keswar Point in Principe Channel to a boundary sign on the Banks Island shore opposite. Max. mesh size 137 mm. Subsequent gillnet openings dependent on run strength.
July 18	Open to seines and gillnets for 24 hours in Subareas 5-1, 5-2, 5-3, 5-10, 5-11, 5-12 and 5-13 (north of a line from a boundary sign approximately 1 mile north of Keswar Point in Principe Channel to a boundary sign on the Banks Island shore opposite. Min. bunt mesh 70 mm. Max. gillnet mesh size 165 mm.
July 25	Area 4 seine openings to be determined on stock strength.
August 2	Proposed date for Pink salmon management. Max. mesh 121mm.

6. Commercial Net Fishery Summary:

A summary of catches by for Area 4 and 5 is as follows:

Area	Gear	Boat Days	Sockeye	Coho	Pink	Chum	Chin
4	Gn	10909	1452123	34974	366546	108402	13773
4	Sn	329	123867	3062	70378	8415	1983
4	All	11238	1575990	38036	436924	116817	15756

6. Commercial Net Fishery Summary Continued:

Area	Boat Gear Days	Sockeye	Coho	Pink	Chum	Chin
5	Gn 185	16607	2106	3652	3826	115
5	Sn 71	19111	1928	27469	4442	276
5	All 256	35718	4034	31121	8268	391
4/5	Gn 11094	1468730	37080	370198	112228	13888
4/5	Sn 400	142978	4990	97847	12857	2259
4/5	All 11494	1611708	42070	125085	16147	2177

As a result of stronger than forecast returns of Skeena Sockeye, changes to the preseason plan were necessary. First, processors expressed a strong desire for no more than 2 consecutive days of fishing without a 2 day break to assist in an effort to maximize fish quality and marketing strategies. Secondly, seine openings were advanced in Areas 3, 4 & 5 to harvest very strong Sockeye returns.

The commercial net fishery opened June 28 to gillnets. 472 vessels participated in the 24 hour fishery. Good catches and a strong Skeena Sockeye escapement (as indicated by the Tyee test fishery) resulted in a 24 hour extension.

The first seine opening was advanced to July 17th in both Area 4 & 5, 8 days earlier in Area 4 and 1 day earlier in Area 5. Seine effort in Area 4 was high in Area 4 (85 vessels) but in the following weeks declined to more normal fleet sizes.

Fishing effort was very aggressive through July in response to strong Sockeye returns. Sportfishing groups viewed the aggressive fisheries and split week openings as being inconsistent with the 3 year plan to reduce the steelhead harvest rate in the commercial fishery by 50%. Exacerbating the situation was a very low Steelhead escapement early in the season. In the end, what proved to be the persistent problem was the low abundance of early Skeena Coho.

During the first week of August, in an attempt to maximize the Skeena Sockeye harvest, but address Steelhead and Coho escapement concerns, sub-areas 4-15 and the Slough/Gap portion of 4-12 closed after the first 24 hours with the rest of the Area extending for an additional 24 hours. This resulted in a strong protest from gillnet fishers.

After extensive consultation and an improvement in Steelhead escapements Area 4 opened to gillnets for an additional 14 hrs. The second week in August remained consistent with the preseason plan of 2 days maximum due to a below minimum escapement of Coho. The troll closure in 102-1 and 104 N of 54 was extended until August 26 to conserve Skeena Coho. The fishery in the 3rd week of August was limited to 24 hours with no extensions because of conservation concerns for, Skeena River Coho, Area 5 Pink and Chum

and Area 4 coastal and Skeena River Pink. (It should be noted that because of lower than forecast returns of Pink salmon the 121 mm maximum mesh restriction was never implemented).

Area 4 had one last 24 hour gillnet fishery on August 22 to harvest Skeena Sockeye and thereafter remained closed to conserve Coho and Pink salmon.

The largest number of gillnets operating in Area 4 occurred July 13th with 796. Total number of gillnet days was 22.4 for 10,909 gillnet boat days compared to the 18 year average of 22.3 and 8,994.6 boat days. The largest number of seines operating was July 19th with 109. Total number of seine days was 12 for 329 boat days compared to the 18 year average of 7 days and 275.3 boat days. The total hailed net catch was 1,575,990 Sockeye and 436,924 Pink, exceeding the preseason forecast catch of Sockeye by 575,990 and falling short on the pink catch by more than 1.5 million pieces. The 18 year average catch is 981,132 Sockeye and 951,082 Pink. It is the lowest odd year Pink catch in Area 4 for the last 18 years.

In Area 5 the largest number of vessels operating was, 33 gillnets July 14th and 13 seines July 29th. The total hailed net catch was 35,718 Sockeye and 31,121 Pink below the anticipated catch of 50,000 Sockeye and 400,000 Pink.

The preseason net allocation by gear type for Areas 1,3,4,& 5 was:

Sockeye - 76% gn & 24% sn Pink - 28% gn 72% sn

The inseason results were:

Sockeye - 67% gn & 33% sn Pink - 21% gn & 79% sn

See Appendix I and II for a complete summary of weekly commercial net catches for Area 4 and 5.

7. Excess To Salmon Spawning Requirements (ESSR) Fishery Summary

Historically, excess salmon to spawning requirements (sockeye) have been available on an annual basis in the Skeena River system. For the second year in a row, the 3 major Tribal Groups on the Skeena River were licensed to conduct a pilot sales harvesting program.

Allocations and fishing regimes were negotiated in advance of the season and a formal allocation agreement was drawn up. All harvesting activities under this fishery have to be by selective means as a conservation measure to protect weaker non target species (Coho and Steelhead). Details of the fishery were as follows:

Tribal Group	Allocation	Fishing Area & Gear
Tsimshian Tribal Council	50,000 Sock. 95,000 Pink	Skeena River (Mowitch Pt. Lorne Creek). Harvest method: dipnet, beach seine or weir.
Gitksan Wet'sutwet'en	50,000 Sock. 75,000 Pink	Skeena & Babine River (Lorne Creek to Kitsegas) Harvest method: traps, trap nets, beach seines, fishwheel, dipnet or weirs.
Nat'oot'en	*150,000 Sock. ** 5,000 Sock.	Babine R. Counting Fence Fulton River (mouth). Harvest method: beach seine and dipnet.

Notes:

* Nat'oot'en were entitled to harvest 50,000 for their exclusive use; the remaining 100,000 had to be shared with the other 2 tribal groups.

** Fish caught by the Nat'oot'en at the Fulton River were processed to investigate the feasibility of canning and marketing fish at this site. Initial indications are that a grade A late color and odor canned product can be produced, which is suitable for some markets.

Although their operations showed significant improvement over 1992, both the Tsimshian and the Gitksan Wet'sutwet'en had difficulty in harvesting their total allocations. The Nat'oot'en had no difficulty in harvesting their allocation at either site. Discussions are still ongoing regarding the sharing arrangement for additional fish harvested at the Babine River fence. The Nat'oot'en also conducted their Jack fishery as they have for the past several years.

A summary of ESSR catches are as follows:

Tribal Group	Sockeye Harvest	Pink Harvest
Tsimshian Tribal Council	3,750	2,020
Gitksan Wet'sutwet'en	25,476	0
Nat'oot'en	104,340 (Babine Fence) 4,232 (Fulton River)	N/A N/A

8. Sport Fishery Summary:

Tidal:

The majority of the effort and catch is during the months of June, July and August, a consequence of chinook run timing and fishable weather. Three main derbies were held again this year, sponsored by Solly's Pub, Royal Canadian Legion, and the RCMP; two in June and one in April. Information from six charter operators were received via this years logbook program; Driftwood Ventures, Mount Hays Charters Ltd., Glory Hole Charters, Northwest Sportsman, Charbonneau Enterprises Ltd. and Shaman II. Additional information from the non guided fishery was compiled from hails taken by patrolmen, DFO ships crew and Fishery Officers.

See Appendix III and IV for a more detailed summary of tidal water sport fish catches for Area 4 and 5.

Non Tidal:

A summary of catch information as compiled by Fishery Officers and Guardians is as follows:

Area	Coho	Pink	Chinook
Area 4 Waterfront	0	0	12
Terrace			
- Kalum River	0	0	200
- Skeena Mainstem	0	0	4500
- Lakelse, Kasiks, Exchamsiks, Gitnadoix, Exstew & Zimacord R.	3500	0	0
Hazelton			
- Bulkley River	0	75	100
- Skeena River Mainstem	0	300	250
- Kispiox River	0	200	1000
Smithers			
- Morice River	0	50	70
- Bulkley River	20	250	700
- Babine River		No information	
- Bear/Sustut River		No information	
Totals	3520	875	6832

Note: Information is incomplete and catches are low estimates.

A narrative summary of these fisheries is as follows:

Area 4/Waterfront:

Ecstall River - Patrolled by a guardian from July 16th to August 10th. Participates in the fishery included Komahan Lodge with 23

clients and 27 other non guided fishermen. Total catch was 12 chinook killed and 58 released.

Terrace

Kalum River(early) - 200 chinook killed.

Mainstem Skeena River - 4500 chinook killed

Lakelse, Kasiks, Exchamsiks, Gitnadoix, Exstew & Zimacord Rivers - 3500 coho killed.

Hazelton

Bulkley River - Estimate 100 chinook and 75 pink killed. Most of the effort for chinook was near China Creek and Rainbow Ranch areas. Most pinks were caught at the mouth of Porphyry Creek.

Skeena River - Estimate 250 chinook and 300 pink killed. Most of the effort was at the mouth of the Kitwanga River. No recorded sockeye catch.

Kispiox River - Estimate 1000 chinook and 200 pink. Most of the effort was at the mouth of the river.

Smithers

Morice River - Estimate 600 rod days for 70 chinook and 50 pink.

Bulkley River - Estimate 1200 rod days for 700 chinook, 20 coho and 250 pink.

Babine River - No information.

Bear/Sustut - No information.

See Appendix II for a more detailed summary of catches.

9. Native Food, Social and Ceremonial Fishery Summary:

There are four main Tribal Groups and Bands that fish for Food, Social and Ceremonial purposes in Area 4. These are:

a) The Tsimshian Tribal Council (TTC). Member bands are Lax Kwalaams (Port Simpson), Metlakata, Kitkatla, Prince Rupert, Kitsum Kalum and Kitselas. The Hartley Bay and Kitasoo Bands also belong to the TTC, but do not fish in Area 4.

b) Gitksan Wet'Sutwet'en (GWWA). This group is generally split up into Lower Skeena, Upper Skeena, Moricetown and Gitanyow Bands.

c) Nat'oot'en. The main bands associated with this group are Lake Babine, Fort Babine and Burns Lake.

Fishing activities were conducted in much the same fashion and locations as in past years. The major difference for 1993 is that all bands were licensed to fish through a communal fishing licence and specific allocations of each salmon species were mutually agreed to. All bands were responsible for designating fishers as well as gathering and reporting catch information to DFO.

Appendix V gives a summary of catch information by Tribal Groups and Bands for Area 4. Appendix VI and VII give a more detailed weekly summary of catches by band.

10. Escapement Summary:

AREA 4

Sockeye

The test fishery index was 1272.95* compared to the 13 year (1980 to 92) average of 1469.86.

The total recorded escapement is 1,627,370 compared to the 13 year average of 1,208,195(1980 to 92), the stream target of (1,022,385) and management target of 900,000. 1,737,426 sockeye were counted past the Babine River fence of which 176,822 were harvested as ESSR or Native food fish. The enhanced runs were above target. Of the 72 non-enhanced runs, 9 were at or above target, 31 were below target and 32 were not monitored in 1993.

Coho

Early timing coho stocks to the Skeena River returned in the poorest numbers on record (as indicated by the Tyee Test Fishery Index). The test fishery index was 13.3* compared to the 13 year (1980 to 92) average of 53.69 and below the red line of 35.5. The test fishery in 1993 ended September 9th with an overall index of 25.08. Fishing success in the fall suggested that later timed runs may be strong, however stream inspections revealed below average escapements.

Pink

The test fishery index was 322.22* compared to the 1981 to 91 average of 1345.5

The total recorded escapement is 663,813 compared to the odd year average between 1981 and 91 of 3,082,134 and stream escapement target of 1,907,695 and management target of 1 million.

Chum

The test fishery index was 57.0* compared to the 13 year (1980 to 1992) average of 52.95. At the end of the test fishery (September 9th), the index was 73.15.

The total recorded escapement is 10,027 compared to the 1980 to 1992 average of 13,088 and stream target of 54,900. However it should be noted that the escapement to the Ecstall River (Area 4's single largest stock) is unknown for this year.

Chinook

The test fishery index was 260.0 the highest recorded index since the start of the test fishery in 1956. The 1980 to 1992 average is 178.65.

The total recorded escapement is 67,996 compared to the 1980 to 1992 average of 45,870 and the target 99,610. 1959 and 1988 are the only years with higher recorded escapements.

Although escapements have greatly improved over the last 9 years conservation concerns still exist for some stocks, mainly coastal stocks, some Terrace area stocks and Babine area stocks.

Steelhead

The test fishery index was 45.02* compared to the 1990's average of 47.5 and the 1980's average of 102.42.

Note: * Denotes that Tyee Test Fishery indices are all compared to August 24th dates because in some years that is when the fishery ended.

AREA 5

Sockeye

The total recorded escapement is 33,150 compared to the 1980 to 1992 average of 22,169 and the target escapement of 50,500.

Coho

Escapement information is inadequate to show any trends.

Pink

The total recorded escapement is 39,475 compared to the 1981 to 91 odd year average of 125,939 and target escapement of 254,500. This is the lowest recorded escapement since 1969.

Chum

The total recorded escapement is 1795 compared to the 1980 to 1992 average of 7,402 and the target escapement of 29,850

See Appendix VIII and IX for a summary of escapements by stream for Area 4 and 5.

11. Current Year/Target Escapement Comparison - Key Streams:

AREA 4

Sockeye Salmon

Key Stream	Target Escapement	Current Year Escapement	% Of Target
Babine River	200,000	490,000	245
Club Creeks	6,000	9,000	150
Fulton R. & Channel	220,000	387,429	176
Morrison Creek	20,000	6,000	30
Pierre Creek	25,000	Unknown	N/A
Pinkut Ck. & Ch.	130,000	374,693	288
Shawatlan Creek	5,000	1,000	20
Southend Creek	15,000	3,500	23
Williams Creek	15,000	1,250	8

Pink Salmon

Key Stream	Target Escapement	Current Year Escapement	% Of Target
Babine River	150,000	46,036	31
Kispiox River	200,000	8,000	4
Kitwanga River	250,000	50,000	20
La Hou Creek	25,000	2,000	8
Lakelse River	500,000	250,000	50
Moore Cove Creek	75,000	15,000	20

Chum Salmon

Key Stream	Target Escapement	Current Year Escapement	% Of Target
Andeside Creek	500	200	40
Ecstall River	20,000	Unknown	N/A
Kispiox River	5,000	500	10
Kitwanga River	5,000	600	12

Chinook Salmon

Key Stream	Target Escapement	Current Year Escapement	% Of Target
Babine River	7,000	1,290	18
Bear River	12,500	23,000	184
Cedar River	3,000	650	22
Johnston Creek	3,500	50	1
Kispiox River	7,500	3,400	45
Morice River	15,000	18,000	120

AREA 5

Sockeye Salmon

Key Stream	Target Escapement	Current Year Escapement	% Of Target
Devon Lake	2,500	3,500	140
Kingkown Inlet	4,000	1,000	25
Lowe Inlet Creeks	4,000	6,000	150
Tsintack Lake	7,000	10,000	143

Pink Salmon

Key Stream	Target Escapement	Current Year Escapement	% Of Target
Captain Cove	10,000	5,000	50
Head Creek	15,000	1,200	8
Kumealon River	50,000	10,000	20
Kitkatla Creek	10,000	1,200	12
Billy Bay Creek	7,000	250	4
Alpha Creek Bay	10,000	5,500	55
Bolton Creek	1,000	200	20
Deer Lake Creek	2,000	1,000	50
Curtis Creek	10,000	50	1
Mikado Lake System	3,000	N/O	N/A
Devon Lake System	2,000	N/O	N/A
Ryan Creek	5,000	150	3
Shaw Creek	5,000	900	18
Pa-Aat River	30,000	1,700	6

Chum Salmon

Key Stream	Target Escapement	Current Year Escapement	% Of Target
Kingkown In System	5,000	Unknown	N/A
Stewart Creek	2,000	500	3
Wilson Creek	3,000	750	25

12. Appendices:

- Appendix I - Area 4 Weekly Net Catch Summary For 1993.
- Appendix II - Area 5 Weekly Net Catch Summary For 1993.
- Appendix III - Area 4 1993 Tidal Sport Fishery Catch Summary.
- Appendix IV - Area 5 1993 Tidal Sport Fishery Catch Summary.
- Appendix V - Summary Of Area 4/5 Native Food, Social and Ceremonial Fishery Catches For 1993.
- Appendix VI - 1993 Tsimshian Food, Social and Ceremonial Fishery Catch Summary For 1993.
- Appendix VII - 1993 Gitksan Wet'sutwet'en (GWWA) Food, Social and Ceremonial Fishery Catch Summary For 1993.

12. Appendices (Cont'd):

- Appendix VII - Area 4 Escapement Summary For 1993.
- Appendix IX - Area 5 Escapement Summary For 1993.
- Appendix X - Skeena River Test Fishery Index For 1993
- Appendix XI - Skeena River Cumulative test Fishery Index
 (1956 to 1993).

AREA 4

TOTAL NET CATCH

19-Jan-94

Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
27	29-Jun-93	459	49486	2633	3616	3123	974	174	0
	30-Jun-93	387	30013	2700	1619	2260	978	60	6
	TFW	846	79499	5333	5235	5383	1952	234	6
	TTD	846	79499	5333	5235	5383	1952	234	6
28	05-Jul-93	541	56662	2256	4641	2686	1128	128	0
	06-Jul-93	452	43059	2095	2045	7341	1034	106	0
	09-Jul-93	623	165110	3745	10499	7638	928	177	45
	TFW	1616	264831	8096	17185	17665	3090	411	45
	TTD	2462	344330	13429	22420	23048	5042	645	51
29	13-Jul-93	796	151447	2596	20122	9566	875	190	47
	14-Jul-93	585	60629	1344	11654	6481	1044	107	43
	15-Jul-93	510	38800	2489	5225	5163	191	15	2
	17-Jul-93	830	91441	315	19189	2486	1120	68	21
	18-Jul-93	804	149910	2069	37035	14289	1061	106	59
	TFW	3525	492227	8813	93225	37985	4291	486	172
	TTD	5987	836557	22242	115645	61033	9333	1131	223
30	19-Jul-93	804	101133	4196	41415	16940	1075	168	113
	24-Jul-93	723	123774	1384	43905	5592	1660	350	160
	25-Jul-93	572	66100	2120	31496	4653	947	105	82
	TFW	2099	291007	7700	116816	27185	3682	623	355
	TTD	8086	1127564	29942	232461	88218	13015	1754	578
31	26-Jul-93	539	40082	1945	31135	4901	753	116	59
	29-Jul-93	516	82300	457	23899	3538	408	107	75
	30-Jul-93	427	47757	647	15668	4419	406	30	49
	TFW	1482	170139	3049	70702	12858	1567	253	183
	TTD	9568	1297703	32991	303163	101076	14582	2007	761
32	03-Aug-93	429	75624	1134	24616	5990	539	86	118
	04-Aug-93	251	39880	785	15554	3493	248	5	33
	07-Aug-93	287	62477	423	22523	938	119	16	89
	TFW	967	177981	2342	62693	10421	906	107	240
	TTD	10535	1475684	35333	365856	111497	15488	2114	1001
33	09-Aug-93	227	37628	472	18935	1293	93	18	152
	13-Aug-93	210	30046	907	19850	2122	100	22	123
	TFW	437	67674	1379	38785	3415	193	40	275
	TTD	10972	1543358	36712	404641	114912	15681	2154	1276
34	16-Aug-93	175	25698	731	24794	1297	64	12	103
	TFW	175	25698	731	24794	1297	64	12	103
	TTD	11147	1569066	37443	429435	116209	15745	2166	1379
35	23-Aug-93	91	6934	593	7489	608	11	0	60
	TFW	91	6934	593	7489	608	11	0	60
	TTD	11238	1575990	38036	436924	116817	15756	2166	1439

AREA 4		R/G/S		TOTAL NET CATCH				19-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
27	29-Jun-93	80	5320	24	3	0	672	40	0
	30-Jun-93	59	4425	4	35	4	885	30	6
	TFW	139	9745	28	38	4	1557	70	6
	TTD	139	9745	28	38	4	1557	70	6
28	05-Jul-93	99	13068	34	65	10	812	50	0
	06-Jul-93	98	10290	10	196	10	764	98	0
	09-Jul-93	124	30628	56	918	99	50	0	10
	TFW	321	53986	100	1179	119	1626	148	10
	TTD	460	63731	128	1217	123	3183	218	16
29	13-Jul-93	180	45720	18	3600	90	612	108	27
	14-Jul-93	103	10197	0	1854	10	731	44	10
	15-Jul-93	50	1900	4	550	8	65	15	2
	17-Jul-93	173	14186	10	1211	112	311	52	10
	18-Jul-93	128	17536	32	2816	72	602	51	26
	TFW	634	89539	64	10031	292	2321	270	75
	TTD	1094	153270	192	11248	415	5504	488	91
30	19-Jul-93	128	10496	42	3328	141	282	69	19
	24-Jul-93	301	61103	301	20769	512	993	226	102
	25-Jul-93	186	20832	335	15438	307	484	74	43
	TFW	615	92431	678	39535	960	1759	369	164
	TTD	1709	245701	870	50783	1375	7263	857	255
31	26-Jul-93	186	8556	279	12462	279	353	74	50
	29-Jul-93	199	50347	199	16517	876	338	60	60
	30-Jul-93	150	21000	150	9600	600	300	30	24
	TFW	535	79903	628	38579	1755	991	164	134
	TTD	2244	326604	1498	89362	3130	8254	1021	389
32	03-Aug-93	159	30210	318	14628	1208	398	64	13
	07-Aug-93	115	38065	150	17365	518	92	0	62
	TFW	274	68275	468	31993	1726	490	64	75
	TTD	2518	393879	1966	121355	4856	8744	1085	464
33	09-Aug-93	107	22363	214	10272	642	64	0	126
	13-Aug-93	118	18290	295	13570	1298	83	7	94
	TFW	225	40653	509	23842	1940	147	7	220
	TTD	2743	434532	2475	145197	6796	8891	1092	684
34	16-Aug-93	94	16826	376	16732	705	34	0	68
	TFW	94	16826	376	16732	705	34	0	68
	TTD	2837	451358	2851	161929	7501	8925	1092	752
35	23-Aug-93	48	4032	312	5136	240	11	0	48
	TFW	48	4032	312	5136	240	11	0	48
	TTD	2885	455390	3163	167065	7741	8936	1092	800

AREA 4		S. IS.	TOTAL NET CATCH					19-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
27	29-Jun-93	50	1850	70	10	10	90	5	0
	30-Jun-93	27	1323	203	54	41	16	3	0
	TFW	77	3173	273	64	51	106	8	0
	TTD	77	3173	273	64	51	106	8	0
28	05-Jul-93	102	9088	343	1010	252	122	0	0
	06-Jul-93	113	9289	452	158	452	181	8	0
	09-Jul-93	219	47085	679	613	548	613	88	11
	TFW	434	65462	1474	1781	1252	916	96	11
	TTD	511	68635	1747	1845	1303	1022	104	11
29	13-Jul-93	169	31772	946	1386	845	135	17	8
	14-Jul-93	120	9360	660	720	672	120	12	0
	15-Jul-93	120	1800	720	600	120	17	0	0
	17-Jul-93	156	12636	47	1342	218	109	16	0
	18-Jul-93	128	10624	538	1536	2381	64	13	10
	TFW	693	66192	2911	5584	4236	445	58	18
	TTD	1204	134827	4658	7429	5539	1467	162	29
30	19-Jul-93	128	10112	256	2048	640	166	13	10
	24-Jul-93	117	20475	59	10530	117	351	88	40
	25-Jul-93	123	10701	369	3321	154	185	0	31
	TFW	368	41288	684	15899	911	702	101	81
	TTD	1572	176115	5342	23328	6450	2169	263	110
31	26-Jul-93	90	7110	135	7920	135	180	0	0
	29-Jul-93	48	6624	58	1968	154	39	5	5
	30-Jul-93	86	5160	26	946	108	34	0	0
	TFW	224	18894	219	10834	397	253	5	5
	TTD	1796	195009	5561	34162	6847	2422	268	115
32	03-Aug-93	84	17136	252	4200	269	101	8	42
	04-Aug-93	99	11880	297	5643	396	139	5	33
	07-Aug-93	62	8742	62	2108	242	19	0	19
	TFW	245	37758	611	11951	907	259	13	94
	TTD	2041	232767	6172	46113	7754	2681	281	209
33	09-Aug-93	36	2808	43	1620	137	9	18	9
	13-Aug-93	40	6400	40	2320	384	12	0	24
	TFW	76	9208	83	3940	521	21	18	33
	TTD	2117	241975	6255	50053	8275	2702	299	242
34	16-Aug-93	42	5880	126	6216	336	15	0	21
	TFW	42	5880	126	6216	336	15	0	21
	TTD	2159	247855	6381	56269	8611	2717	299	263
35	23-Aug-93	12	732	75	775	47	0	0	12
	TFW	12	732	75	775	47	0	0	12
	TTD	2171	248587	6456	57044	8658	2717	299	275

AREA 4		CH. SD.	TOTAL NET CATCH					19-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
27	29-Jun-93	93	10091	409	130	121	19	9	0
	30-Jun-93	89	7254	734	89	223	5	18	0
	TFW	182	17345	1143	219	344	24	27	0
	TTD	182	17345	1143	219	344	24	27	0
28	05-Jul-93	109	8126	257	1080	269	20	65	0
	06-Jul-93	83	7304	398	415	1660	33	0	0
	09-Jul-93	119	36295	1904	3689	3927	131	79	24
	TFW	311	51725	2559	5184	5856	184	144	24
	TTD	493	69070	3702	5403	6200	208	171	24
29	13-Jul-93	202	25654	242	5454	1414	61	61	0
	14-Jul-93	157	18997	440	4946	1366	110	41	16
	15-Jul-93	157	11304	550	942	1664	24	0	0
	17-Jul-93	266	32225	23	8148	291	356	0	0
	18-Jul-93	181	58015	336	9470	2904	166	9	5
	TFW	963	146195	1591	28960	7639	717	111	21
	TTD	1456	215265	5293	34363	13839	925	282	45
30	19-Jul-93	181	30418	2452	16175	6881	483	53	53
	24-Jul-93	142	16472	369	7668	3266	57	18	0
	25-Jul-93	83	6391	133	6308	1453	83	20	0
	TFW	406	53281	2954	30151	11600	623	91	53
	TTD	1862	268546	8247	64514	25439	1548	373	98
31	26-Jul-93	83	5810	498	1743	863	83	42	5
	29-Jul-93	111	8547	14	810	266	20	37	3
	30-Jul-93	81	5670	243	2430	1134	57	0	0
	TFW	275	20027	755	4983	2263	160	79	8
	TTD	2137	288573	9002	69497	27702	1708	452	106
32	03-Aug-93	71	11076	320	2130	2130	21	14	46
	04-Aug-93	48	8832	240	3792	768	86	0	0
	07-Aug-93	40	6640	200	1440	108	8	16	4
	TFW	159	26548	760	7362	3006	115	30	50
	TTD	2296	315121	9762	76859	30708	1823	482	156
33	09-Aug-93	38	5092	152	2698	266	4	0	8
	13-Aug-93	20	2060	220	600	120	5	15	5
	TFW	58	7152	372	3298	386	9	15	13
	TTD	2354	322273	10134	80157	31094	1832	497	169
34	16-Aug-93	15	1800	165	900	120	15	12	12
	TFW	15	1800	165	900	120	15	12	12
	TTD	2369	324073	10299	81057	31214	1847	509	181
35	23-Aug-93	18	1260	180	954	243	0	0	0
	TFW	18	1260	180	954	243	0	0	0
	TTD	2387	325333	10479	82011	31457	1847	509	181

AREA 4		NB	TOTAL NET CATCH					19-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
27	29-Jun-93	127	18491	495	203	114	51	0	0
	30-Jun-93	121	8712	339	121	145	36	0	0
	TFW	248	27203	834	324	259	87	0	0
	TTD	248	27203	834	324	259	87	0	0
28	05-Jul-93	134	12630	409	449	462	87	13	0
	06-Jul-93	87	7656	418	435	1740	35	0	0
	09-Jul-93	68	16320	306	2489	1204	41	10	0
	TFW	289	36606	1133	3373	3406	163	23	0
	TTD	537	63809	1967	3697	3665	250	23	0
29	13-Jul-93	124	25916	119	5084	3224	19	4	0
	14-Jul-93	72	5184	25	1008	576	36	0	7
	15-Jul-93	50	2250	18	340	312	5	0	0
	17-Jul-93	92	7992	18	480	51	2	0	0
	18-Jul-93	137	19921	52	4037	2707	21	15	0
	TFW	475	61263	232	10949	6870	83	19	7
	TTD	1012	125072	2199	14646	10535	333	42	7
30	19-Jul-93	137	12520	153	4103	2996	21	15	13
	24-Jul-93	116	19140	290	2204	928	17	0	0
	25-Jul-93	138	23598	331	2705	1780	6	11	8
	TFW	391	55268	774	9012	5704	44	26	21
	TTD	1403	180330	2973	23658	16239	377	68	28
31	26-Jul-93	138	14021	221	1863	3036	0	0	4
	29-Jul-93	136	11696	68	1754	1564	7	5	7
	30-Jul-93	75	9450	90	405	1350	0	0	25
	TFW	349	35167	379	4022	5950	7	5	36
	TTD	1752	215497	3352	27680	22189	384	73	64
32	03-Aug-93	101	16362	202	3434	2323	5	0	17
	04-Aug-93	97	18818	213	6014	2231	16	0	0
	07-Aug-93	70	9030	11	1610	70	0	0	4
	TFW	268	44210	426	11058	4624	21	0	21
	TTD	2020	259707	3778	38738	26813	405	73	85
33	09-Aug-93	45	7245	59	4275	248	14	0	9
	13-Aug-93	32	3296	352	3360	320	0	0	0
	TFW	77	10541	411	7635	568	14	0	9
	TTD	2097	270248	4189	46373	27381	419	73	94
34	16-Aug-93	22	1056	44	836	88	0	0	1
	TFW	22	1056	44	836	88	0	0	1
	TTD	2119	271304	4233	47209	27469	419	73	95
35	23-Aug-93	13	910	26	624	78	0	0	0
	TFW	13	910	26	624	78	0	0	0
	TTD	2132	272214	4259	47833	27547	419	73	95

AREA 4		OUT S.		TOTAL NET CATCH				19-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
27	29-Jun-93	109	13734	1635	3270	2878	142	120	0
	30-Jun-93	91	8299	1420	1320	1847	36	9	0
	TFW	200	22033	3055	4590	4725	178	129	0
	TTD	200	22033	3055	4590	4725	178	129	0
28	05-Jul-93	97	13750	1213	2037	1693	87	0	0
	06-Jul-93	71	8520	817	841	3479	21	0	0
	09-Jul-93	93	34782	800	2790	1860	93	0	0
	TFW	261	57052	2830	5668	7032	201	0	0
	TTD	461	79085	5885	10258	11757	379	129	0
29	13-Jul-93	121	22385	1271	4598	3993	48	0	12
	14-Jul-93	133	16891	219	3126	3857	47	10	10
	15-Jul-93	133	21546	1197	2793	3059	80	0	0
	17-Jul-93	143	24402	217	8008	1814	342	0	11
	18-Jul-93	230	43814	1111	19176	6225	208	18	18
	TFW	760	129038	4015	37701	18948	725	28	51
	TTD	1221	208123	9900	47959	30705	1104	157	51
30	19-Jul-93	230	37587	1293	15761	6282	123	18	18
	24-Jul-93	47	6584	365	2734	769	242	18	18
	25-Jul-93	42	4578	952	3724	959	189	0	0
	TFW	319	48749	2610	22219	8010	554	36	36
	TTD	1540	256872	12510	70178	38715	1658	193	87
31	26-Jul-93	42	4585	812	7147	588	137	0	0
	29-Jul-93	22	5086	118	2850	678	4	0	0
	30-Jul-93	35	6477	138	2287	1227	15	0	0
	TFW	99	16148	1068	12284	2493	156	0	0
	TTD	1639	273020	13578	82462	41208	1814	193	87
32	03-Aug-93	14	840	42	224	60	14	0	0
	04-Aug-93	7	350	35	105	98	7	0	0
	TFW	21	1190	77	329	158	21	0	0
	TTD	1660	274210	13655	82791	41366	1835	193	87
33	09-Aug-93	1	120	4	70	0	2	0	0
	13-Aug-93	0	0	0	0	0	0	0	0
	TFW	1	120	4	70	0	2	0	0
	TTD	1661	274330	13659	82861	41366	1837	193	87
34	16-Aug-93	2	136	20	110	48	0	0	1
	TFW	2	136	20	110	48	0	0	1
	TTD	1663	274466	13679	82971	41414	1837	193	88
35	23-Aug-93	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	1663	274466	13679	82971	41414	1837	193	88

AREA 4			GN TOTAL CATCH					19-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
27	29-Jun-93	459	49486	2633	3616	3123	974	174	0
	30-Jun-93	387	30013	2700	1619	2260	978	60	6
	TFW	846	79499	5333	5235	5383	1952	234	6
	TTD	846	79499	5333	5235	5383	1952	234	6
28	05-Jul-93	541	56662	2256	4641	2686	1128	128	0
	06-Jul-93	452	43059	2095	2045	7341	1034	106	0
	09-Jul-93	623	165110	3745	10499	7638	928	177	45
	TFW	1616	264831	8096	17186	17666	3090	411	45
	TTD	2462	344330	13429	22420	23048	5042	645	51
29	13-Jul-93	796	151447	2596	20122	9566	875	190	47
	14-Jul-93	585	60629	1344	11654	6481	1044	107	43
	15-Jul-93	510	38800	2489	5225	5163	191	15	2
	17-Jul-93	745	63555	172	8516	1532	498	68	21
	18-Jul-93	699	94173	1753	16744	11634	750	106	59
	TFW	3335	408604	8354	62261	34376	3358	486	172
	TTD	5797	752934	21783	84681	57424	8400	1131	223
30	19-Jul-93	699	72176	2090	17278	12946	521	168	113
	24-Jul-93	711	120690	1264	41661	5348	1436	350	160
	25-Jul-93	565	65022	2043	28122	4569	758	105	82
	TFW	1975	257888	5397	87061	22863	2715	623	355
	TTD	7772	1010822	27180	171742	80287	11115	1754	578
31	26-Jul-93	532	38297	1833	25388	4803	686	116	59
	29-Jul-93	512	79500	357	21499	3418	404	107	75
	30-Jul-93	423	45217	559	14156	4153	394	30	49
	TFW	1467	163014	2749	61043	12374	1484	253	183
	TTD	9239	1173836	29929	232785	92661	12599	2007	761
32	03-Aug-93	429	75624	1134	24616	5990	539	86	118
	04-Aug-93	251	39880	785	15554	3493	248	5	33
	07-Aug-93	287	62477	423	22523	938	119	16	89
	TFW	967	177981	2342	62693	10421	906	107	240
	TTD	10206	1351817	32271	295478	103082	13505	2114	1001
33	09-Aug-93	227	37628	472	18935	1293	93	18	152
	13-Aug-93	210	30046	907	19850	2122	100	22	123
	TFW	437	67674	1379	38785	3415	193	40	275
	TTD	10643	1419491	33650	334263	106497	13698	2154	1276
34	16-Aug-93	175	25698	731	24794	1297	64	12	103
	TFW	175	25698	731	24794	1297	64	12	103
	TTD	10818	1445189	34381	359057	107794	13762	2166	1379
35	23-Aug-93	91	6934	593	7489	608	11	0	60
	TFW	91	6934	593	7489	608	11	0	60
	TTD	10909	1452123	34974	366546	108402	13773	2166	1439

AREA 4		R/G/S	GN CATCH					19-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
27	29-Jun-93	80	5320	24	3	0	672	40	0
	30-Jun-93	59	4425	4	35	4	885	30	6
	TFW	139	9745	28	38	4	1557	70	6
	TTD	139	9745	28	38	4	1557	70	6
28	05-Jul-93	99	13068	34	65	10	812	50	0
	06-Jul-93	98	10290	10	196	10	764	98	0
	09-Jul-93	124	30628	56	918	99	50	0	10
	TFW	321	53986	100	1179	119	1626	148	10
	TTD	460	63731	128	1217	123	3183	218	16
29	13-Jul-93	180	45720	18	3600	90	612	108	27
	14-Jul-93	103	10197	0	1854	10	731	44	10
	15-Jul-93	50	1900	4	550	8	65	15	2
	17-Jul-93	173	14186	10	1211	112	311	52	10
	18-Jul-93	128	17536	32	2816	72	602	51	26
	TFW	634	89539	64	10031	292	2321	270	75
	TTD	1094	153270	192	11248	415	5504	488	91
30	19-Jul-93	128	10496	42	3328	141	282	69	19
	24-Jul-93	301	61103	301	20769	512	993	226	102
	25-Jul-93	186	20832	335	15438	307	484	74	43
	TFW	615	92431	678	39535	960	1759	369	164
	TTD	1709	245701	870	50783	1375	7263	857	255
31	26-Jul-93	186	8556	279	12462	279	353	74	50
	29-Jul-93	199	50347	199	16517	876	338	60	60
	30-Jul-93	150	21000	150	9600	600	300	30	24
	TFW	535	79903	628	38579	1755	991	164	134
	TTD	2244	325604	1498	89362	3130	8254	1021	389
32	03-Aug-93	159	30210	318	14628	1208	398	64	13
	07-Aug-93	115	38065	150	17365	518	92	0	62
	TFW	274	68275	468	31993	1726	490	64	75
	TTD	2518	393879	1966	121355	4856	8744	1085	464
33	09-Aug-93	107	22363	214	10272	642	64	0	126
	13-Aug-93	118	18290	295	13570	1298	83	7	94
	TFW	225	40653	509	23842	1940	147	7	220
	TTD	2743	434532	2475	145197	6796	8891	1092	684
34	16-Aug-93	94	16826	376	16732	705	34	0	68
	TFW	94	16826	376	16732	705	34	0	68
	TTD	2837	451358	2851	161929	7501	8925	1092	752
35	23-Aug-93	48	4032	312	5136	240	11	0	48
	TFW	48	4032	312	5136	240	11	0	48
	TTD	2885	455390	3163	167065	7741	8936	1092	800

Appendix I Area 4 Catch Summary 1993

AREA 4		S. IS.	GN CATCH					19-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
27	29-Jun-93	50	1850	70	10	10	90	5	0
	30-Jun-93	27	1323	203	54	41	16	3	0
	TFW	77	3173	273	64	51	106	8	0
	TTD	77	3173	273	64	51	106	8	0
28	05-Jul-93	102	9088	343	1010	252	122	0	0
	06-Jul-93	113	9289	452	158	452	181	8	0
	09-Jul-93	219	47085	679	613	548	613	88	11
	TFW	434	65462	1474	1781	1252	916	96	11
	TTD	511	68635	1747	1845	1303	1022	104	11
29	13-Jul-93	169	31772	946	1386	845	135	17	8
	14-Jul-93	120	9360	660	720	672	120	12	0
	15-Jul-93	120	1800	720	600	120	17	0	0
	17-Jul-93	156	12636	47	1342	218	109	16	0
	18-Jul-93	128	10624	538	1536	2381	64	13	10
	TFW	693	66192	2911	5584	4236	445	58	18
	TTD	1204	134827	4658	7429	5539	1467	162	29
30	19-Jul-93	128	10112	256	2048	640	166	13	10
	24-Jul-93	117	20475	59	10530	117	351	88	40
	25-Jul-93	123	10701	369	3321	154	185	0	31
	TFW	368	41288	684	15899	911	702	101	81
	TTD	1572	176115	5342	23328	6450	2169	263	110
31	26-Jul-93	90	7110	135	7920	135	180	0	0
	29-Jul-93	48	6624	58	1968	154	39	5	5
	30-Jul-93	86	5160	26	946	108	34	0	0
	TFW	224	18894	219	10834	397	253	5	5
	TTD	1796	195009	5561	34162	6847	2422	268	115
32	03-Aug-93	84	17136	252	4200	269	101	8	42
	04-Aug-93	99	11880	297	5643	396	139	5	33
	07-Aug-93	62	8742	62	2108	242	19	0	19
	TFW	245	37758	611	11951	907	259	13	94
	TTD	2041	232767	6172	46113	7754	2681	281	209
33	09-Aug-93	36	2808	43	1620	137	9	18	9
	13-Aug-93	40	6400	40	2320	384	12	0	24
	TFW	76	9208	83	3940	521	21	18	33
	TTD	2117	241975	6255	50063	8275	2702	299	242
34	16-Aug-93	42	5880	126	6216	336	15	0	21
	TFW	42	5880	126	6216	336	15	0	21
	TTD	2159	247855	6381	56269	8611	2717	299	263
35	23-Aug-93	12	732	75	775	47	0	0	12
	TFW	12	732	75	775	47	0	0	12
	TTD	2171	248587	6456	57044	8658	2717	299	275

Appendix I Area 4 Catch Summary 1993

AREA 4		CH. SD.	GN CATCH					19-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
27	29-Jun-93	93	10091	409	130	121	19	9	0
	30-Jun-93	89	7254	734	89	223	5	18	0
	TFW	182	17345	1143	219	344	24	27	0
	TTD	182	17345	1143	219	344	24	27	0
28	05-Jul-93	109	8126	257	1080	269	20	65	0
	06-Jul-93	83	7304	398	415	1660	33	0	0
	09-Jul-93	119	36295	1904	3689	3927	131	79	24
	TFW	311	51725	2559	5184	5856	184	144	24
	TTD	493	69070	3702	5403	6200	208	171	24
29	13-Jul-93	202	25654	242	5454	1414	61	61	0
	14-Jul-93	157	18997	440	4946	1366	110	41	16
	15-Jul-93	157	11304	550	942	1664	24	0	0
	17-Jul-93	229	18091	23	3893	69	23	0	0
	18-Jul-93	133	21679	226	4190	2088	27	9	5
	TFW	878	95725	1481	19425	6601	245	111	21
	TTD	1371	164795	5183	24828	12801	453	282	45
30	19-Jul-93	133	14098	532	4655	3857	27	53	53
	24-Jul-93	142	16472	369	7668	3266	57	18	0
	25-Jul-93	83	6391	133	6308	1453	83	20	0
	TFW	358	36961	1034	18631	8576	167	91	53
	TTD	1729	201756	6217	43459	21377	620	373	98
31	26-Jul-93	83	5810	498	1743	863	83	42	5
	29-Jul-93	111	8547	14	810	266	20	37	3
	30-Jul-93	81	5670	243	2430	1134	57	0	0
	TFW	275	20027	755	4983	2263	160	79	8
	TTD	2004	221783	6972	48442	23640	780	452	106
32	03-Aug-93	71	11076	320	2130	2130	21	14	46
	04-Aug-93	48	8832	240	3792	768	86	0	0
	07-Aug-93	40	6640	200	1440	108	8	16	4
	TFW	159	26548	760	7362	3006	115	30	50
	TTD	2163	248331	7732	55804	26646	895	482	156
33	09-Aug-93	38	5092	152	2698	266	4	0	8
	13-Aug-93	20	2060	220	600	120	5	15	5
	TFW	58	7152	372	3298	386	9	15	13
	TTD	2221	255483	8104	59102	27032	904	497	169
34	16-Aug-93	15	1800	165	900	120	15	12	12
	TFW	15	1800	165	900	120	15	12	12
	TTD	2236	257283	8269	60002	27152	919	509	181
35	23-Aug-93	18	1260	180	954	243	0	0	0
	TFW	18	1260	180	954	243	0	0	0
	TTD	2254	258543	8449	60956	27395	919	509	181

Appendix I Area 4 Catch Summary 1993

AREA 4		NB	GN CATCH					19-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
27	29-Jun-93	127	18491	495	203	114	51	0	0
	30-Jun-93	121	8712	339	121	145	36	0	0
	TFW	248	27203	834	324	259	87	0	0
	TTD	248	27203	834	324	259	87	0	0
28	05-Jul-93	134	12630	409	449	462	87	13	0
	06-Jul-93	87	7656	418	435	1740	35	0	0
	09-Jul-93	68	16320	306	2489	1204	41	10	0
	TFW	289	36606	1133	3373	3406	163	23	0
	TTD	537	63809	1967	3697	3665	250	23	0
29	13-Jul-93	124	25916	119	5084	3224	19	4	0
	14-Jul-93	72	5184	25	1008	576	36	0	7
	15-Jul-93	50	2250	18	340	312	5	0	0
	17-Jul-93	82	5412	8	180	41	2	0	0
	18-Jul-93	129	16641	52	3677	2387	21	15	0
	TFW	457	55403	222	10289	6540	83	19	7
	TTD	994	119212	2189	13986	10205	333	42	7
30	19-Jul-93	129	10320	65	2903	2516	21	15	13
	24-Jul-93	116	19140	290	2204	928	17	0	0
	25-Jul-93	138	23598	331	2705	1780	6	11	8
	TFW	383	53058	686	7812	5224	44	26	21
	TTD	1377	172270	2875	21798	15429	377	68	28
31	26-Jul-93	138	14021	221	1863	3036	0	0	4
	29-Jul-93	136	11696	68	1754	1564	7	5	7
	30-Jul-93	75	9450	90	405	1350	0	0	25
	TFW	349	35167	379	4022	5950	7	5	36
	TTD	1726	207437	3254	25820	21379	384	73	64
32	03-Aug-93	101	16362	202	3434	2323	5	0	17
	04-Aug-93	97	18818	213	6014	2231	16	0	0
	07-Aug-93	70	9030	11	1610	70	0	0	4
	TFW	268	44210	426	11058	4624	21	0	21
	TTD	1994	251647	3680	36878	26003	405	73	85
33	09-Aug-93	45	7245	59	4275	248	14	0	9
	13-Aug-93	32	3296	352	3360	320	0	0	0
	TFW	77	10541	411	7635	568	14	0	9
	TTD	2071	262188	4091	44513	26571	419	73	94
34	16-Aug-93	22	1056	44	836	88	0	0	1
	TFW	22	1056	44	836	88	0	0	1
	TTD	2093	263244	4135	45349	26659	419	73	95
35	23-Aug-93	13	910	26	624	78	0	0	0
	TFW	13	910	26	624	78	0	0	0
	TTD	2106	264154	4161	45973	26737	419	73	95

AREA 4		OUT S.		GN CATCH				19-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
27	29-Jun-93	109	13734	1635	3270	2878	142	120	0
	30-Jun-93	91	8299	1420	1320	1847	36	9	0
	TFW	200	22033	3055	4590	4726	178	129	0
	TTD	200	22033	3055	4590	4726	178	129	0
28	05-Jul-93	97	13750	1213	2037	1693	87	0	0
	06-Jul-93	71	8520	817	841	3479	21	0	0
	09-Jul-93	93	34782	800	2790	1860	93	0	0
	TFW	261	57052	2830	5668	7032	201	0	0
	TTD	461	79085	5885	10258	11757	379	129	0
29	13-Jul-93	121	22385	1271	4598	3993	48	0	12
	14-Jul-93	133	16891	219	3126	3857	47	10	10
	15-Jul-93	133	21546	1197	2793	3059	80	0	0
	17-Jul-93	105	13230	84	1890	1092	53	0	11
	18-Jul-93	181	27693	905	4525	4706	36	18	18
	TFW	673	101745	3676	16932	16707	264	28	51
	TTD	1134	180830	9561	27190	28464	643	157	51
30	19-Jul-93	181	27150	1195	4344	5792	25	18	18
	24-Jul-93	35	3500	245	490	525	18	18	18
	25-Jul-93	35	3500	875	350	875	0	0	0
	TFW	251	34150	2315	5184	7192	43	36	36
	TTD	1385	214980	11876	32374	35656	686	193	87
31	26-Jul-93	35	2800	700	1400	490	70	0	0
	29-Jul-93	18	2286	18	450	558	0	0	0
	30-Jul-93	31	3937	50	775	961	3	0	0
	TFW	84	9023	768	2626	2009	73	0	0
	TTD	1469	224003	12644	34999	37665	759	193	87
32	03-Aug-93	14	840	42	224	60	14	0	0
	04-Aug-93	7	350	35	105	98	7	0	0
	TFW	21	1190	77	329	158	21	0	0
	TTD	1490	225193	12721	35328	37823	780	193	87
33	09-Aug-93	1	120	4	70	0	2	0	0
	13-Aug-93	0	0	0	0	0	0	0	0
	TFW	1	120	4	70	0	2	0	0
	TTD	1491	225313	12725	35398	37823	782	193	87
34	16-Aug-93	2	136	20	110	48	0	0	1
	TFW	2	136	20	110	48	0	0	1
	TTD	1493	225449	12745	35508	37871	782	193	88
35	23-Aug-93	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	1493	225449	12745	35508	37871	782	193	88

Appendix I Area 4 Catch Summary 1993

AREA 4		SN TOTAL CATCH						19-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
29	17-Jul-93	85	27886	143	10673	954	622	0	0
	18-Jul-93	105	55737	316	20291	2655	311	0	0
	TFW	190	83623	459	30964	3609	933	0	0
	TTD	190	83623	459	30964	3609	933	0	0
30	19-Jul-93	105	28957	2106	24137	3994	554	0	0
	24-Jul-93	12	3084	120	2244	244	224	0	0
	25-Jul-93	7	1078	77	3374	84	189	0	0
	TFW	124	33119	2303	29755	4322	967	0	0
	TTD	314	116742	2762	60719	7931	1900	0	0
31	26-Jul-93	7	1785	112	5747	98	67	0	0
	29-Jul-93	4	2800	100	2400	120	4	0	0
	30-Jul-93	4	2540	88	1512	266	12	0	0
	TFW	15	7125	300	9659	484	83	0	0
	TTD	329	123867	3062	70378	8415	1983	0	0
32	03-Aug-93	0	0	0	0	0	0	0	0
	04-Aug-93	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	329	123867	3062	70378	8415	1983	0	0
33	09-Aug-93	0	0	0	0	0	0	0	0
	13-Aug-93	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	329	123867	3062	70378	8415	1983	0	0
34	16-Aug-93	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	329	123867	3062	70378	8415	1983	0	0

AREA 4		CH. SD.	SN		CATCH					19-Jan-94
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead	
29	17-Jul-93	37	14134	0	4255	222	333	0	0	
	18-Jul-93	48	36336	110	5280	816	139	0	0	
	TFW	85	50470	110	9535	1038	472	0	0	
	TTD	85	50470	110	9535	1038	472	0	0	
30	19-Jul-93	48	16320	1920	11520	3024	456	0	0	
	TFW	48	16320	1920	11520	3024	456	0	0	
	TTD	133	66790	2030	21055	4062	928	0	0	

Appendix I Area 4 Catch Summary 1993

AREA 4		NB	SN CATCH					19-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
29	17-Jul-93	10	2580	10	300	10	0	0	0
	18-Jul-93	8	3280	0	360	320	0	0	0
	TFW	18	5860	10	660	330	0	0	0
	TTD	18	5860	10	660	330	0	0	0
30	19-Jul-93	8	2200	88	1200	480	0	0	0
	TFW	8	2200	88	1200	480	0	0	0
	TTD	26	8060	98	1860	810	0	0	0

AREA 4		OUT S.		SN CATCH			19-Jan-94		
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
29	17-Jul-93	38	11172	133	6118	722	289	0	0
	18-Jul-93	49	16121	206	14651	1519	172	0	0
	TFW	87	27293	339	20769	2241	461	0	0
	TTD	87	27293	339	20769	2241	461	0	0
30	19-Jul-93	49	10437	98	11417	490	98	0	0
	24-Jul-93	12	3084	120	2244	244	224	0	0
	25-Jul-93	7	1078	77	3374	84	189	0	0
	TFW	68	14599	295	17035	818	511	0	0
	TTD	155	41892	634	37804	3059	972	0	0
31	26-Jul-93	7	1785	112	5747	98	67	0	0
	29-Jul-93	4	2800	100	2400	120	4	0	0
	30-Jul-93	4	2540	88	1512	266	12	0	0
	TFW	15	7125	300	9659	484	83	0	0
	TTD	170	49017	934	47463	3543	1055	0	0
32	03-Aug-93	0	0	0	0	0	0	0	0
	04-Aug-93	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	170	49017	934	47463	3543	1055	0	0
33	09-Aug-93	0	0	0	0	0	0	0	0
	13-Aug-93	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	170	49017	934	47463	3543	1055	0	0
34	16-Aug-93	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	170	49017	934	47463	3543	1055	0	0

AREA 5		ALL	TOTAL NET CATCH					17-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
27	29-Jun-93	13	1236	514	406	527	9	0	3
	30-Jun-93	13	962	148	179	403	8	0	0
	TFW	26	2198	662	585	930	17	0	3
	TTD	26	2198	662	585	930	17	0	3
28	05-Jul-93	12	702	168	117	306	14	0	0
	06-Jul-93	8	600	5	69	51	8	0	0
	09-Jul-93	9	2481	115	144	416	7	0	0
	TFW	29	3783	288	330	773	29	0	0
	TTD	55	5981	950	915	1703	46	0	3
29	13-Jul-93	10	1778	21	118	98	4	0	1
	14-Jul-93	33	1665	129	423	543	18	0	2
	15-Jul-93	2	34	0	0	0	3	0	0
	17-Jul-93	23	2321	149	1445	648	10	2	0
	18-Jul-93	19	3161	621	853	441	46	7	14
	TFW	87	8959	920	2839	1730	81	9	17
	TTD	142	14940	1870	3754	3433	127	9	20
30	19-Jul-93	10	739	95	168	159	16	2	0
	24-Jul-93	19	2853	482	1176	562	57	0	0
	25-Jul-93	14	5238	399	13176	681	49	0	0
	TFW	43	8830	976	14520	1402	122	2	0
	TTD	185	23770	2846	18274	4835	249	11	20
31	26-Jul-93	10	3602	491	3051	1203	80	0	0
	29-Jul-93	18	2979	238	3646	1177	33	0	2
	30-Jul-93	11	1374	99	2530	324	25	0	0
	TFW	39	7955	828	9227	2704	138	0	2
	TTD	224	31725	3674	27501	7539	387	11	22
32	03-Aug-93	5	415	29	53	58	1	0	0
	04-Aug-93	8	1298	55	1055	123	0	0	0
	TFW	13	1713	84	1108	181	1	0	0
	TTD	237	33438	3758	28609	7720	388	11	22
33	09-Aug-93	5	805	76	982	184	2	0	0
	10-Aug-93	12	1355	170	1490	324	0	0	0
	13-Aug-93	2	120	30	40	40	1	0	0
	TFW	19	2280	276	2512	548	3	0	0
	TTD	256	35718	4034	31121	8268	391	11	22
34	16-Aug-93	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	256	35718	4034	31121	8268	391	11	22

AREA 5		ALL	GN CATCH					17-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
27	29-Jun-93	13	1236	514	406	527	9	0	3
	30-Jun-93	13	962	148	179	403	8	0	0
	TFW	26	2198	662	585	930	17	0	3
	TTD	26	2198	662	585	930	17	0	3
28	05-Jul-93	12	702	168	117	306	14	0	0
	06-Jul-93	8	600	5	69	51	8	0	0
	09-Jul-93	9	2481	115	144	416	7	0	0
	TFW	29	3783	288	330	773	29	0	0
	TTD	55	5981	950	915	1703	46	0	3
29	13-Jul-93	10	1778	21	118	98	4	0	1
	14-Jul-93	33	1665	129	423	543	18	0	2
	15-Jul-93	2	34	0	0	0	3	0	0
	17-Jul-93	11	609	81	85	78	2	0	0
	18-Jul-93	12	1611	201	219	176	16	0	14
	TFW	68	5697	432	845	895	43	0	17
	TTD	123	11678	1382	1760	2598	89	0	20
30	19-Jul-93	9	639	90	153	149	11	0	0
	24-Jul-93	7	399	56	42	70	0	0	0
	25-Jul-93	2	180	12	26	36	0	0	0
	TFW	18	1218	158	221	255	11	0	0
	TTD	141	12896	1540	1981	2853	100	0	20
31	26-Jul-93	6	492	108	150	48	2	0	0
	29-Jul-93	5	200	63	46	143	1	0	0
	30-Jul-93	6	124	76	130	162	10	0	0
	TFW	17	816	247	326	353	13	0	0
	TTD	158	13712	1787	2307	3206	113	0	20
32	03-Aug-93	5	415	29	53	58	1	0	0
	04-Aug-93	5	590	55	80	63	0	0	0
	TFW	10	1005	84	133	121	1	0	0
	TTD	168	14717	1871	2440	3327	114	0	20
33	09-Aug-93	4	590	70	282	170	0	0	0
	10-Aug-93	11	1180	135	890	289	0	0	0
	13-Aug-93	2	120	30	40	40	1	0	0
	TFW	17	1890	235	1212	499	1	0	0
	TTD	185	16607	2106	3652	3826	115	0	20
34	16-Aug-93	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	185	16607	2106	3652	3826	115	0	20

Appendix II Area 5 Catch Summary 1993

AREA 5		ALL	SN CATCH					17-Jan-94	
Week	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
29	17-Jul-93	12	1712	68	1360	570	8	2	0
	18-Jul-93	7	1550	420	634	265	30	7	0
	TFW	19	3262	488	1994	835	38	9	0
	TTD	19	3262	488	1994	835	38	9	0
30	19-Jul-93	1	100	5	15	10	5	2	0
	24-Jul-93	12	2454	426	1134	492	57	0	0
	25-Jul-93	12	5058	387	13150	645	49	0	0
	TFW	25	7612	818	14299	1147	111	2	0
	TTD	44	10874	1306	16293	1982	149	11	0
31	26-Jul-93	4	3110	383	2901	1155	78	0	0
	29-Jul-93	13	2779	175	3600	1034	32	0	2
	30-Jul-93	5	1250	23	2400	162	15	0	0
	TFW	22	7139	581	8901	2351	125	0	2
	TTD	66	18013	1887	25194	4333	274	11	2
32	03-Aug-93	0	0	0	0	0	0	0	0
	04-Aug-93	3	708	0	975	60	0	0	0
	TFW	3	708	0	975	60	0	0	0
	TTD	69	18721	1887	26169	4393	274	11	2
33	09-Aug-93	1	215	6	700	14	2	0	0
	10-Aug-93	1	175	35	600	35	0	0	0
	13-Aug-93	0	0	0	0	0	0	0	0
	TFW	2	390	41	1300	49	2	0	0
	TTD	71	19111	1928	27469	4442	276	11	2
34	16-Aug-93	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	71	19111	1928	27469	4442	276	11	2

Appendix III - 1993 Area 4 Tidal Sport Fish Catch Summary

MONTH	ROD DAYS	TYPE	SK	CO	PK	CM	CN	HAL	LING	RKFISH
Jan-Feb				No Information Available.						
March	35	Guided					18	3		
April	40	Guided					18	1		
	Unk	Derby					119	30	37	38
May	81	Guided		1			12	8	4	91
June	259	Guided	4	19	1	19	172	35	6	4
	182	Non Guided		13			105	43	6	67
	Unk	Derby		2			152	13	6	
	Unk	Derby	1	41		1	71	14		
July	208	Guided	2	73	27	2	118	45	7	13
	1492	Non Guided		417	871	3	393	7	101	42
Aug										
	109	Guided	5	106	57	1	18	78	3	5
	1169	Non Guided		1027	680		116	68	37	231
Sept										
	82	Guided	0	128	9	1	2	18	1	3
	164	Non Guided	0	119	49	0	15	11	2	28
Oct-Dec				No Information Available.						
TOTAL	3821	All	12	1946	1694	27	1329	374	210	522
TOTAL	814	Guided	11	327	94	23	358	188	21	116
TOTAL	3007	Non Guided	1	1619	1600	4	971	186	189	406
Notes:										
1. Derby catches are as reported by Derby Managers.										
2. The Guided catch is as reported through the DFO logbook program.										
3. The Non Guided information is an estimate for all of Area 4 during July & August. Catches from										
other time periods only reflects actual observed catch & effort.										

Appendix IV - 1993 Area 5 Tidal Sport Fish Catch Summary

MONTH	ROD DAYS	TYPE	SK	CO	PK	CM	CN	HAL	LING	RKFISH
Jan-Apr			No Information Available.							
May	4	Guided	0	0	0	0	3	0	0	0
June	6		0	0	0	0	2	5	0	0
July	54	Guided	0	0	1	0	6	3	0	1
Aug	18	Guided	0	0	0	0	1	0	0	0
Sept	14	Guided	0	0	0	0	0	0	0	0
Oct-Dec			No Information Available.							
TOTAL	96		0	0	1	0	12	8	0	1
Notes:										
1. No recored Non Guided information available.										
2. The Guided catch and effort is as reported through the DFO logbook program.										

Appendix V - Summary Of 1993 Area 4/5 Native Food, Social And Ceremonial Figures

TSIMSHIAN TRIBAL COUNCIL (TTC)						
	Sock	Coho	Pink	Chum	Chin	Stlhd
LaxKwalaams	13,258	26	40	92	272	1
Metlakatla	3,668	13	40	13	6	8
Kitkatla	3,845	21	40	44	38	1
Hartley Bay *	457	751	125	143	51	43
Kisumkalum	14,274	6	76	312	1,940	22
Kitselas	9,019	97	194	11	851	52
Prince Rupert	27,809	132	2,296	183	1,237	76
Total TTC Catch	72,330	1,046	2,811	798	4,395	203
1993 Allocation	80,000	2,500	5,000	500	5,000	0
GITSKAN WET'SUWET'EN (GWWA)						
	Sock	Coho	Pink	Chum	Chin	Stlhd
Upper Skeena	13,448	39	816	55	933	132
Lower Skeena	27,221	0	1,624	13	2,951	302
Moricietown	11,408	356	496	0	4,834	159
Total GWWA Catch	52,077	395	2,936	68	8,718	593
1993 Allocation	100,000	2,500	25,000	500	10,000	0
NAT'OOT'EN						
	Sock	Coho	Pink	Chum	Chin	Stlhd
Total 1993 Catch	68,250					
1993 Allocation	35,000					
Total Area 4/5 Catch	192,657	1,441	5,747	866	13,113	796
1993 Allocation	215,000	5,000	30,000	1,000	15,000	0
Notes:						
* Denotes that catch is from Area 6.						

Appendix VI - 1993 Tsimshian Food, Social and Ceremonial Catch Figures (Area 4/5)

Lax Kwalaams (Port Simpson) Band								
Week	Wk. End	Sock	Coho	Pink	Chum	Chin	Jack	Stlhd
25	12-Jun	587	3	0	26	188	0	0
26	19-Jun	6,626	8	2	19	34	0	1
27	26-Jun	1,736	7	0	0	20	0	0
28	3-Jul							
29	10-Jul	2,473	6	17	18	6	0	0
30	17-Jul							
31	24-Jul	735	1	5	28	22	0	0
32	31-Jul	416	0	2	0	0	0	0
33	7-Aug	100	0	0	0	0	0	0
34	14-Aug	0	0	0	0	0	0	0
35	21-Aug							
36	28-Aug	585	1	14	1	2	0	0
37	4-Sep							
38	11-Sep							
39	18-Sep							
40	25-Sep							
41	2-Oct							
42	9-Oct							
43	16-Oct							
44	23-Oct							
TOTAL		13,258	26	40	92	272	0	1
Metlakatla Band								
Week	Wk. End	Sock	Coho	Pink	Chum	Chin	Jack	Stlhd
25	12-Jun							
26	19-Jun	45	0	0	0	0	0	0
27	26-Jun	260	2	0	0	0	0	0
28	3-Jul	910	0	0	0	0	0	0
29	10-Jul	643	4	0	0	0	0	0
30	17-Jul							
31	24-Jul	620	4	10	10	6	0	8
32	31-Jul	420	3	30	3	0	0	0
33	7-Aug	770	0	0	0	0	0	0
34	14-Aug							
35	21-Aug							
36	28-Aug							
37	4-Sep							
38	11-Sep							
39	18-Sep							
40	25-Sep							
41	2-Oct							
42	9-Oct							
43	16-Oct							
44	23-Oct							
TOTAL		3,668	13	40	13	6	0	8

Appendix VI - 1993 Tsimshian Food, Social and Ceremonial Catch Figures (Area 4/5)

[illegible]

Appendix VI - 1993 Tsimshian Food, Social and Ceremonial Catch Figures (Area 4/5)

[illegible]

Appendix VI - 1993 Tsimshian Food, Social and Ceremonial Catch Figures (Area 4/5)

Prince Rupert Band								
Week	Wk. End	Sock	Coho	Pink	Chum	Chin	Jack	Stlhd
25	12-Jun	515	1	0	0	566	0	8
26	19-Jun	1,207	0	0	1	206	0	7
27	26-Jun	4,384	20	8	9	250	0	0
28	3-Jul	3,398	6	10	4	155	0	3
29	10-Jul	3,848	8	339	33	5	0	0
30	17-Jul	764	2	17	3	8	0	0
31	24-Jul	7,131	11	442	20	31	0	7
32	31-Jul	1,203	6	212	8	6	0	12
33	7-Aug	4,967	29	1,171	57	10	0	16
34	14-Aug	392	49	97	48	0	0	23
35	21-Aug							
36	28-Aug							
37	4-Sep							
38	11-Sep							
39	18-Sep							
40	25-Sep							
41	2-Oct							
42	9-Oct							
43	16-Oct							
44	23-Oct							
TOTAL		27,809	132	2,296	183	1,237	0	76
Tsimshian Tribal Council (All Bands)								
Week	Wk. End	Sock	Coho	Pink	Chum	Chin	Jack	Stlhd
25	12-Jun	4,511	4	0	62	816	0	52
26	19-Jun	8,160	10	3	28	434	1	12
27	26-Jun	6,687	31	9	39	495	0	0
28	3-Jul	6,227	6	35	15	667	0	7
29	10-Jul	8,577	30	371	121	128	0	3
30	17-Jul	2,698	3	67	28	73	0	1
31	24-Jul	9,238	16	464	58	83	2	19
32	31-Jul	14,899	17	292	27	1,630	1	27
33	7-Aug	6,388	32	1,229	57	13	0	28
34	14-Aug	849	63	173	48	16	0	33
35	21-Aug	670	21	54	4	0	0	15
36	28-Aug	972	10	19	1	20	0	3
37	4-Sep	1,896	86	70	295	1	4	1
38	11-Sep	274	40	13	2	18	1	2
39	18-Sep	135	35	3	0	0	0	0
40	25-Sep	90	58	3	0	0	0	0
41	2-Oct	1	24	0	1	0	0	0
42	9-Oct							
43	16-Oct							
44	23-Oct							
TOTAL		72,303	1,046	2,811	798	4,395	9	203

Appendix VII - 1993 GWWA Food, Social and Ceremonial Figures (Skeena/Babine/Bulkley Rivers)

[illegible]

Appendix VII - 1993 GWWA Food, Social and Ceremonial Figures (Skeena/Babine/Bulkley Rivers)

Moricetown Band								
Week	Wk. End	Sock	Coho	Pink	Chum	Chin	Jack	Stlhd
26	19-Jun							
27	26-Jun							
28	3-Jul							
29	10-Jul	478	0	0	0	1,156	0	0
30	17-Jul	1,930	0	0	0	1,393	0	0
31	24-Jul	4,593	2	0	0	949	0	0
32	31-Jul	1,923	9	113	0	272	0	6
33	7-Aug	1,021	0	181	0	515	0	7
34	14-Aug	1,031	47	131	0	334	0	28
35	21-Aug	361	108	19	0	142	0	77
36	28-Aug	59	113	24	0	21	0	21
37	4-Sep	12	76	28	0	52	0	20
38	11-Sep	0	1	0	0	0	0	0
39	18-Sep							
40	25-Sep							
41	2-Oct							
TOTAL		11,408	356	496	0	4,834	0	159
Gitksan Wet'Sutwet'en (All Bands)								
Week	Wk. End	Sock	Coho	Pink	Chum	Chin	Jack	Stlhd
26	19-Jun	58	0	0	0	787	47	55
27	26-Jun	55	0	0	0	1,043	89	32
28	3-Jul	937	0	0	0	553	119	2
29	10-Jul	7,839	0	0	0	2,036	92	0
30	17-Jul	6,633	11	0	0	1,662	58	0
31	24-Jul	15,858	2	37	13	1,080	89	97
32	31-Jul	5,479	16	232	7	349	28	41
33	7-Aug	3,797	5	569	0	606	42	73
34	14-Aug	6,775	63	963	48	377	32	100
35	21-Aug	3,091	108	607	0	152	0	119
36	28-Aug	1,543	113	500	0	21	0	54
37	4-Sep	12	76	28	0	52	0	20
38	11-Sep	0	1	0	0	0	0	0
39	18-Sep	0	0	0	0	0	0	0
40	25-Sep	0	0	0	0	0	0	0
41	2-Oct	0	0	0	0	0	0	0
TOTAL		52,077	395	2,936	68	8,718	596	593

Appendix VIII - 1993 Area 4 Escapement Summary

COASTAL SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
=====	=====	=====	=====	=====	=====
Big Falls Creek					N/I
Big Useless Creek		N/I	650		
Chismore Creek			250		
Denise Creek		N/I	N/I	N/I	
Diana Creek	UNK	600	N/O	N/O	N/O
Ectsal River	N/O	4000	UNK	UNK	UNK
Hays Creek		15	N/O		
Hayward Creek		N/I	N/I		
Humpback Creek		N/O	1200		
Hunts Inlet Creeks		N/I	N/O		
Johnston Creek	100	UNK	500	200	50
Johnston Lake	N/I	N/I		N/I	N/I
Khyex River		N/I	58000	200	150
Kloiya River		100	600	N/O	90
La Hou Creek		UNK	2000		
Little Useless Creek			550		
Lockerby Creek		N/I	N/I	N/I	
McNeil Creek		N/I	N/I		
McNichol Creek		N/O	2000	N/O	
Madeline Creek		N/I	N/I	N/I	
Moore Cove Creek		N/O	15000		
Muddy Creek			N/I		
Oldfield Creek		50	N/O		
Oona River		200	5000		
Prudhomme Creek	2000	N/I			
Shawatlan Creek	1000	UNK	N/O	N/O	N/O
Silver Creek		N/O	4300	N/O	
Sparkling Creek			N/I		
Spiller Creek		N/O	2300		
=====	=====	=====	=====	=====	=====
TOTAL	3100	4965	92350	400	290
=====	=====	=====	=====	=====	=====

LAKELSE SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
=====	=====	=====	=====	=====	=====
Andalas Creek		25			
Blackwater Creek	150	25			
Clearwater Creek		125			
Coldwater Creek		N/I	90		10
Granite Creek					
Hatchery Creek		N/I			
Herman Creek		25	N/O		

Appendix VIII - 1993 Area 4 Escapement Summary

LAKELSE SUB-AREA (cont'd)

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
=====	=====	=====	=====	=====	=====
Hotspring Creek		10			
Lakelse River		3500	250000	N/O	50
Mink Creek					
North Hatchery Creek	N/O	4			
Schulbuckhand Creek	5000	50	N/O		
Sockeye Creek	250	50			
White Creek		N/O	N/O		N/O
Williams Creek (includes Eliza)	1250	150	N/O		N/O
=====	=====	=====	=====	=====	=====
TOTAL	6650	3964	250090	0	60
=====	=====	=====	=====	=====	=====

KITSUMKALUM SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
=====	=====	=====	=====	=====	=====
Cedar River	200				650
Clear Creek		50			175
Coho Creek		10			
Deep Creek		75	1600	N/O	N/O
Dry Creek	N/I	340			
Glacier Creek		15			
Goat Creek	N/O	10			N/O
Kitsumkalum Lake	3500				
Kitsumkalum River (Lower)		1000	300	1000	15000
Kitsumkalum River (Upper)		250			
Lean-To Creek		25	N/I		N/I
Spring Creek		25	N/O		N/O
Star Creek		N/I	N/I		N/I
=====	=====	=====	=====	=====	=====
TOTAL	3700	1800	1900	1000	15825
=====	=====	=====	=====	=====	=====

OTHER LOWER SKEENA SUB-AREAS

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
=====	=====	=====	=====	=====	=====
Alastair Lake	4000				
Alwyn Creek		N/I			
Andeside Creek			50	200	
Dog-Tag Creek		N/I	200	800	N/I
Erlandsen Creek		N/O	350	150	25

Appendix VIII - 1993 Area 4 Escapement Summary

OTHER LOWER SKEENA SUB-AREAS (cont'd)

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
=====	=====	=====	=====	=====	=====
Esker Creek	N/O	10			
Exchamsiks River		800	1500	N/O	200
Exstew River		2000	2000	200	95
Exstew Slough					
Gitnadoix River		1000	5000	350	30
Kadeen Creek		50	250	30	35
Kasiks River		300	6000	200	190
Kwinitsa Creek			N/I	N/I	N/I
Magar Creek			N/O	N/O	40
Middle Creek		N/I	400	225	
Molybdenum Creek			N/O		
Scotia River			6500		
Shames River			650	20	
Shames Slough			500		
Skeena River			60000	5000	1500
Southend Creek	3500	UNK			
Thornhill Creek		100	N/O		
Zymagotitz River		N/O	250	25	20
=====	=====	=====	=====	=====	=====
TOTAL	7500	4260	83650	7200	2135
=====	=====	=====	=====	=====	=====

KISPIOX SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
=====	=====	=====	=====	=====	=====
Beaver Lodge Creek		N/I			
Big Fish Creek		N/I			
Clifford Creek		N/O	25		
Club Creek (Lower)	5000				
Club Creek (Upper)	4000				
Cullon Creek		N/O	N/O		
Date Creek				12	N/O
Falls Creek	N/O				
Footsore Creek	N/I				
Hodder Creek		N/I			
Ironside Creek		N/O	N/O		
Kispiox River		3000	8000	500	3400
Little Fish Creek		N/I			
McCully Creek		N/O	25	N/O	
McQueen Creek		N/O	N/O		
Murder Creek		N/O	N/O		
Nangeese Creek	N/O	UNK	300	100	200
Skunsnat Creek		N/O	N/O		
Stephens Creek	50	N/O			100

Appendix VIII - 1993 Area 4 Escapement Summary

KISPIOX SUB-AREA (cont'd)

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Sweetin Creek		N/O	50		75
Twin Creek		N/I			
Upper Footsore Creek		N/I			
TOTAL	9050	3000	8400	612	3775

OTHER MIDDLE SKEENA SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Burdick Creek		N/I			
Chicago Creek		N/O			
Chindemash Creek		N/O	N/O		
Comeau Creek			50		
Fiddler Creek		N/I	N/I	N/I	N/I
Glen Vowel Creek		N/I			
Hazeltan Creek			N/O		
Kitsequecla River		N/O	150		N/O
Kitwanga River	N/O	N/O	50000	600	975
Kleanza Creek		20	600	40	N/O
Legate Creek					
Limonite Creek (Zymoetz Trib.)					190
Lowrie Creek			N/I		
Price Creek			25		
Shandilla Creek			12		
Shannon Creek			N/I		
Shegunia River		N/O	50		20
Singlehurst Creek		70	250		
Thomas Creek (Zymoetz Trib.)					225
Wilson Creek		N/I			
Zymoetz River (Lower)				200	250
Zymoetz River (Upper)	7500	N/I			
TOTAL	7500	90	51137	840	1660

BULKLEY/MORICE SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Atna Lake	N/O				
Atna River		N/O			
Buck Creek		N/O	N/O		60
Bulkley River (Lower)		N/I	11800		180

Appendix VIII - 1993 Area 4 Escapement Summary

BULKLEY/MORICE SUB-AREA (cont'd)

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Bulkley River (Upper)	N/O	100	N/O		1100
Canyon Creek		N/I			
Causqua Creek					
Driftwood Creek		N/I			
Gosnell Creek		400	N/O		
Harold Price Creek					
Kathlyn Creek		50	N/I		
Maxan Creek	N/O	N/O			20
Morice Lake	N/I	N/I			
Morice River	N/O	400	118000		18000
Nanika River	22000	N/O	150		600
Owen Creek		N/I	N/I		
Reister Creek		N/I			
Richfield Creek		N/I			N/I
Station Creek					
Suskwa River					
Telkwa River		500			
Thautil River		N/O	N/O		
Toboggan Creek		1690	N/O		1
Trout Creek		N/I	N/I		
TOTAL	22000	3140	129950	0	19961

BABINE SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Babine unaccounted	280673				
Babine River (Sec 1-3)	475000				
Babine River (Sec 4) *	15000	1988	46036		1290
Babine River (Sec5)	N/I	N/I	N/I	N/I	N/I
Boucher Creek	UNK	N/O	300		N/O
Donalds Creek					
Five-Mile Creek	N/O				
Four-Mile Creek	UNK				
Fulton River	387429				
Hazelwood Creek	N/I				
Kew Creek(discontinued 1983)					
Morrison Creek	6000	N/O	N/O		
Nichyeskwa River	N/I	N/I	N/I		
Nilkitkwa River	N/O				
Nine-Mile Creek	200	N/O	N/O		
Pendelton Creek	UNK				
Pierre Creek	UNK	N/O	N/O		
Pinkut Creek	374693				

Appendix VIII - 1993 Area 4 Escapement Summary

BABINE SUB-AREA (cont'd)

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
=====	=====	=====	=====	=====	=====
Shass Creek	3000				
Six-Mile Creek	UNK				
Sockeye Creek	3500				
Sutherland Creek					
Tachek Creek	7000	N/O			
Tahlo Creek	12000	N/O			
Tahlo Creek (Upper)	75				
Telzato Creek(discontinued 1983)					
Tsezakawa Creek					
Twain Creek	UNK				
Wright Creek(discontinued)					
=====	=====	=====	=====	=====	=====
TOTAL	1564570	1988	46336	0	1290
=====	=====	=====	=====	=====	=====

*Babine River Fence count is 1, 737, 426 large sockeye, 90,580 jacks. Above the fence 178,222 sockeye were harvested.

BEAR SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
=====	=====	=====	=====	=====	=====
Asitka Lake	350	20			
Azuklotz Creek	2500	N/O			
Bear Lake	N/I	N/I			N/I
Bear River					23000
Johanson Lake	150	N/O			N/O
Kluatantan Lake	N/I				
Kluayaz Lake & Creek	N/I	N/I			
Moosevale Creek					
Motase Lake	200	N/O			
Salix Creek	100	N/O			
Sicintine Lake					
Slamgeesh Creek	N/I	N/I	N/I		N/I
Spawning Lake					
Sustut Lake & River					
=====	=====	=====	=====	=====	=====
TOTAL	3300	20	0	0	23000
=====	=====	=====	=====	=====	=====

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TOTAL ALL AREA 4 SUB-AREAS	1627370	23227	663813	10052	67996
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Bulkey/Morice, Babine & Bear Sub-area information still incomplete(Jan. 26/94).

Appendix IX - 1993 Area 5 Escapement Summary

OUTSIDE BANKS ISLAND SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Indian Harbour Creek		UNK	N/O	N/O	
Kenzuwash Creek	N/I	N/I			
Kingkown Inlet System	1000	UNK		UNK	
Quitonsta Creek	2500	N/O	N/O		
Rawlinson Creek		N/O	N/O	UNK	
Skull Creek		N/O	N/O	UNK	
Lewis Creek	N/I	N/I	N/O		
TOTAL	3500	0	0	0	0

UPPER PRINCIPE/BROWNING ENTRANCE SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Deadman Creek		N/O	N/O	N/O	
Endhill Creek					
Hankin Creek		N/I	5000	N/O	
Keswar Creek	UNK	N/O	N/I	N/I	
Spencer Creek	N/O	N/I	N/I	N/I	
TOTAL	0	0	5000	0	0

LOWER PRINCIPE SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Bolton Creek	50	N/O	200	N/O	
Curtis Creek	5500	300	50	10	
Devon Lake System	3500	50	N/O		
Deer Lake System	500	200	1000	N/O	
Keecha Creek	500	100	1000	N/O	
Kooryet Creek	500	100	750	20	
Mikado Lake System	3000	UNK	N/O	N/O	
Moncton Inlet Creeks	N/O	UNK	N/O	N/O	
Oar Point Creek		N/I	N/I	N/I	
Port Stephens Creek		400	50	N/O	
Sheneeza Creek	UNK		N/O	N/O	
TOTAL	13550	1150	3050	30	

Appendix IX - 1993 Area 5 Escapement Summary

PETREL CHANNEL/ALA PASS SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Hevenor Inlet Creeks		100	35	100	
Markle Creeks		UNK	N/O	200	
Newcombe Harbour Creeks		UNK	20	20	
Ryan Creek	N/O	50	150	N/O	
Shaw Creek		200	900	N/O	
Wilson Creek		N/O	0	750	
TOTAL	0	350	1105	1070	

UPPER GRENVILLE CHANNEL SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
False Stewart Creek		N/I	1500		
Klewnuggit Creek	100	UNK	UNK	N/O	
Kumealon Creek		150	10000	100	2
Kxngeal Creek			250	N/O	
Nothness Creek			N/I	N/I	
North Kumealon Creek		N/O	N/O		
Pa-Aat River		UNK	1700	20	
TOTAL	100	150	13450	120	2

LOWER GRENVILLE CHANNEL SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Belowe Creek		UNK	1000	55	
Lagoon Creek			N/O	250	
Lowe Inlet Creeks	6000	UNK		N/O	
Stewart Creek		UNK	500	50	
Three Mile Creek	N/I	N/I	N/I	N/I	
Tsintack Lake System	10000	275	310	115	
TOTAL	16000	275	1810	470	

Appendix IX - 1993 Area 5 Escapement Summary

OGDEN CHANNEL/ KITKATLA INLET SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Alpha creek		N/O	5500	5	
Billy Bay Creek		N/O	250		
Captain Cove Creek	N/O	UNK	5000	100	
Kitkatla Creek		N/O	1200	N/O	
Pheonix Creek		N/O	100	N/O	
Snass Creek		UNK	N/O		
TOTAL	0	0	12050	105	

PORCHER INLET SUB-AREA

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Foote Creek		N/O	100	N/O	
Head Creek		N/O	1200	N/O	
Porcher Creek		N/O	1100		
West Creek		N/O	10		
Wolf Creek		UNK	600		
TOTAL		0	3010	0	

1993 AREA 5 TOTAL	33150	1925	39475	1795	2
TARGET ESCAPEMENT	50500	52100	254500	29850	0

Appendix X - Skeena River Test Fishery Index (1993)

SKEENA TEST FISHERY INDICES FOR ALL SPECIES, 1993.

DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	SUMMER STEELHEAD
6-Jun	0.00	0.00	0.00	0.00	4.44	
7-Jun	0.00	0.00	0.00	0.00	4.13	
8-Jun	0.00	0.00	0.00	0.00	3.76	
9-Jun	1.25	0.00	0.00	0.00	5.12	
10-Jun	0.00	0.00	0.00	0.00	2.15	
11-Jun	1.48	0.00	0.00	0.00	5.02	
12-Jun	1.51	0.00	0.00	0.00	4.22	
13-Jun	1.54	0.00	0.00	0.00	4.32	
14-Jun	1.18	0.00	0.00	0.00	7.04	
15-Jun	0.00	0.00	0.00	0.00	4.49	
16-Jun	0.00	0.00	0.00	0.00	3.10	
17-Jun	1.53	0.00	0.00	0.00	5.90	
18-Jun	2.11	0.00	0.00	0.00	3.30	
19-Jun	4.74	0.00	0.00	0.00	3.49	
20-Jun	6.79	0.00	0.00	0.00	11.36	
21-Jun	4.47	0.00	0.00	0.00	7.63	
22-Jun	2.68	0.00	0.00	0.00	4.35	
23-Jun	1.79	0.00	0.00	0.00	6.16	
24-Jun	3.21	0.00	0.00	0.00	4.13	
25-Jun	5.37	0.00	0.00	0.00	9.25	
26-Jun	5.38	0.00	0.00	0.00	8.65	
27-Jun	17.29	0.00	0.00	0.00	9.48	
28-Jun	6.30	0.00	0.00	0.00	6.01	
29-Jun	21.80	0.00	0.00	0.00	11.76	
30-Jun	6.26	0.00	0.00	0.00	9.85	
1-Jul	6.48	0.00	0.00	0.00	11.57	0.00
2-Jul	12.64	0.00	0.00	0.00	7.59	0.00
3-Jul	12.93	0.00	0.00	0.00	12.27	0.00
4-Jul	8.74	0.00	0.00	0.00	6.89	0.46
5-Jul	27.20	0.00	0.00	0.00	6.66	0.00
6-Jul	14.49	0.00	0.00	0.00	6.87	0.00
7-Jul	31.58	0.00	0.00	0.00	1.74	0.44
8-Jul	29.25	0.00	0.00	0.00	3.54	0.30
9-Jul	22.22	0.00	0.86	0.00	2.19	0.00
10-Jul	18.86	0.00	0.22	0.00	2.62	0.00
11-Jul	34.98	0.00	2.38	0.30	2.07	0.00
12-Jul	27.74	0.00	1.53	0.00	2.06	0.00
13-Jul	14.43	0.31	3.21	0.00	0.60	0.00
14-Jul	15.46	0.00	2.72	0.00	0.68	0.22
15-Jul	14.85	0.45	0.90	0.00	1.34	0.00
16-Jul	37.27	0.56	2.30	0.27	2.85	0.56
17-Jul	39.70	0.00	4.76	0.00	3.09	1.12
18-Jul	13.78	0.00	0.93	0.00	0.91	0.30
19-Jul	10.51	0.00	1.61	0.63	0.62	0.61
20-Jul	7.58	0.00	3.28	0.00	1.86	0.49
21-Jul	10.12	0.00	1.39	0.00	2.33	0.00
22-Jul	25.31	0.00	3.14	0.00	1.31	0.45
23-Jul	42.46	0.41	2.60	0.00	2.04	0.82
24-Jul	72.60	0.00	2.63	0.00	1.22	0.00
25-Jul	26.76	0.52	4.03	0.26	1.25	0.00
26-Jul	15.03	0.00	5.98	0.00	0.00	0.00
27-Jul	19.01	0.00	7.08	0.00	1.66	0.59
28-Jul	14.95	0.00	4.64	0.23	0.90	0.90
29-Jul	21.98	0.42	7.33	1.25	1.76	0.42
30-Jul	23.56	0.82	5.90	1.89	1.71	1.95
31-Jul	19.98	0.26	2.81	0.60	1.51	1.12

SKEENA TEST FISHERY INDICES FOR ALL SPECIES, 1993.

DATE		SOCKEYE	COHO	PINK	CHUM	CHINOOK	SUMMER
							STEELHEAD
1-Aug		9.14	0.00	0.00	0.60	2.33	1.17
2-Aug		22.35	0.27	8.42	1.44	2.88	2.59
3-Aug		31.23	0.73	15.77	3.64	2.84	1.09
4-Aug		24.60	0.00	14.46	3.38	2.18	2.14
5-Aug		25.92	0.46	13.54	3.24	0.00	1.62
6-Aug		74.72	0.37	19.35	3.36	0.74	3.75
7-Aug		101.80	0.97	17.17	2.10	0.00	2.59
8-Aug		33.98	0.25	13.82	1.06	0.00	2.15
9-Aug		47.74	0.00	19.01	0.52	0.56	1.93
10-Aug		8.04	0.00	10.69	1.46	0.58	1.21
11-Aug		12.70	0.28	28.95	1.77	0.59	1.18
12-Aug		23.28	0.00	16.48	3.20	0.57	1.05
13-Aug		12.90	0.87	5.92	2.07	0.30	0.59
14-Aug		7.43	0.00	4.91	3.17	0.00	0.88
15-Aug		15.44	0.28	8.23	5.48	0.59	0.83
16-Aug		5.44	0.61	9.82	2.27	0.00	2.24
17-Aug		2.79	0.00	4.70	1.23	0.62	1.54
18-Aug		1.40	0.46	3.70	2.78	0.46	0.93
19-Aug		3.79	1.42	5.68	3.31	0.47	1.90
20-Aug		7.20	0.00	4.95	2.25	0.47	0.00
21-Aug		4.13	0.90	8.73	0.92	0.00	2.27
22-Aug		2.34	0.47	0.94	1.41	0.00	0.00
23-Aug		2.15	0.61	8.03	0.62	0.00	0.62
24-Aug		3.41	0.63	6.72	0.31	0.00	0.00
25-Aug		2.99	0.90	8.69	0.60	0.00	1.80
26-Aug		2.45	0.92	1.62	0.92	0.31	2.45
27-Aug		1.48	0.90	12.16	1.21	0.30	0.29
28-Aug		2.15	0.61	5.37	2.45	0.00	0.61
29-Aug		0.89	0.60	5.14	3.01	0.00	1.19
30-Aug		1.54	0.32	0.95	0.31	0.00	0.62
31-Aug		3.08	0.62	3.98	0.94	0.00	0.31
1-Sep		0.94	0.00	0.47	1.89	0.00	0.46
2-Sep		1.85	0.93	2.33	1.38	0.00	2.31
3-Sep		1.89	0.00	4.26	0.00	0.00	0.94
4-Sep		0.46	0.92	1.41	0.92	0.00	0.00
5-Sep		0.00	0.47	2.36	0.94	0.00	1.41
6-Sep		1.88	1.41	2.35	0.47	0.00	0.00
7-Sep		0.94	0.94	0.00	0.47	0.00	0.47
8-Sep		0.63	1.58	0.00	0.00	0.00	0.00
9-Sep		0.95	0.63	1.91	0.64	0.00	0.32
10-Sep		0.31	0.95	0.72	0.00	0.00	0.31
11-Sep		0.00	0.94	0.70	0.31	0.00	0.00
12-Sep		0.00	0.94	0.95	0.00	0.00	0.00
13-Sep		0.62	1.86	0.47	0.00	0.00	0.62
14-Sep		0.00	3.41	0.23	0.31	0.00	0.00
15-Sep		0.00	1.27	0.00	0.00	0.00	0.00
16-Sep		0.00	0.48	0.00	0.00	0.00	0.00
17-Sep		0.00	1.42	0.47	0.47	0.00	0.00
18-Sep		0.00	1.90	0.00	0.00	0.00	0.00
19-Sep		0.00	3.30	0.48	0.47	0.00	0.48
20-Sep		0.00	6.56	0.00	0.00	0.00	0.00
TOTAL		1298.10	48.11	379.24	74.73	259.61	59.61

Appendix XI - Skeena River Cumulative Test Fishery Index (1956 to 1993)

CUMULATIVE SKEENA RIVER TEST FISHERY INDICES FROM 1956 TO 1993.

YEAR		SOCKEYE	COHO	PINK	CHUM	CHINOOK	SUMMER STEELHEAD
1956		843.02	136.68	520.50	53.28	226.86	86.07
1957		769.41	116.04	1745.36	109.63	267.79	32.79
1958		1153.47	229.02	1149.19	107.64	133.50	90.31
1959		1110.77	85.34	1809.23	61.95	227.25	44.78
1960		405.84	82.49	195.00	65.45	99.46	72.84
1961		1156.27	113.95	1429.97	73.94	77.64	56.40
1962		745.14	131.43	601.44	91.50	140.41	102.04
1963		831.60	107.08	717.77	66.81	153.25	82.63
1964		1198.33	133.73	796.29	66.38	168.06	64.79
1965		715.31	221.87	577.28	20.03	129.07	82.95
1966		876.72	168.46	720.67	19.15	259.18	149.14
1967		1084.25	165.77	544.36	62.79	144.49	108.72
1968		898.35	77.37	447.90	42.81	212.91	73.76
1969		1020.59	155.40	916.75	22.36	110.04	95.87
1970		1039.39	147.01	912.44	41.86	101.94	112.58
1971		1265.03	176.59	961.72	14.50	92.11	77.17
1972		1148.51	75.93	649.79	58.39	90.04	64.63
1973		1844.65	96.09	854.59	75.01	147.34	63.22
1974		1600.10	54.44	327.39	70.95	131.25	51.47
1975		1529.99	65.86	878.76	14.83	122.37	52.19
1976		1142.44	72.26	514.05	65.93	91.29	104.27
1977		1637.59	106.77	934.26	36.17	96.48	68.42
1978		1117.61	114.75	836.96	44.09	63.49	81.97
1979		1798.70	29.55	499.68	44.33	147.66	47.36
1980		1539.74	73.50	627.46	198.03	102.51	90.39
1981		1823.62	58.76	883.00	37.76	110.93	92.04
1982		1988.62	64.07	336.83	31.39	83.16	134.66
1983		1295.18	69.26	1093.37	26.63	126.52	43.00
1984		1343.43	76.90	702.75	102.25	189.00	194.89
1985		2634.84	53.27	900.63	19.87	178.78	129.96
1986		1135.42	52.49	913.46	18.75	247.39	150.36
1987		1142.57	68.72	1604.78	42.45	235.17	90.77
1988		1670.00	42.16	510.34	188.38	231.40	168.66
1989		1280.46	113.90	2231.90	72.20	213.81	78.97
1990		1139.21	124.25	1218.78	37.82	223.07	97.82
1991		1238.32	92.30	2105.77	27.46	199.52	40.63
1992		1200.54	33.85	503.70	77.46	183.57	52.04
1993		1298.10	48.11	379.24	74.73	259.61	59.61

1) Average Adult Rate of Return

2) Sibling Age Class Relationships

i) Jack to 4-2 Regression

Regression Formula $\bar{Y} = 3.320692(1993 \text{ Bab. jack count}) + 436757$

$$y = 3.320682(90580) + 436757$$

y = 737544

(1) Regression of 4-2 to 5-2 Returns

$$\text{Regression Form: } Y = 0.655476(1993 \text{ 4-2 return}) + 424259$$

$$Y = 0.655476(1448023) + 424259$$

Y = 1373403

iii) Total Return = 737,544 + 1,373,403 + 200,000 non-Banline

$$= 2,310.947$$

Area 4 preliminary expectations for pink salmon for 1994

SPECIES	YEAR	SUB-AREA	TARGET ESCAPEMENT	BROOD YEAR	BROOD ESC.	RETURN RATE	PROJECTED RETURNING STOCK	SURPLUS	COMMENTS
PINK	1994	COASTAL	251850	1992	38063	2.8	106576	-145274	
		LAKELSE	506650	1992	81170	2.8	227276	-279374	
		KITSUMKALUM	104950	1992	460	2.8	1288	-103662	
		OTHER LOWER	294250	1992	57795	2.8	161826	-132424	
		KISPIOX	203100	1992	73950	2.8	207060	3960	
		BULKLEY/MOICE	250000	1992	226000	2.8	632800	382800	
		OTHER MIDDLE	270900	1992	163875	2.8	458850	187950	
		BABINE	201000	1992	176615	2.8	494522	293522	
		BEAR	15100	1992		2.8	0	-15100	
		TOTAL:	2097800				2290198	192398	

Area 4 preliminary expectations for chum salmon for 1994

SPECIES	YEAR	SUB-AREA	TARGET ESCAPEMENT	BROOD YEAR	BROOD ESC.	% AGE COMP	RETURN RATE	PROJECTED RETURNING STOCK	SURPLUS	COMMENTS
CHUM	1994	COASTAL	28075	1990 1989	2512 14664	86 14	1.8 1.8	43460 3695	19080	
							TOTAL:	47155		
		LAKELSE	1000	1990 1989		86 14	1.8 1.8			
							TOTAL:			
		KITSUNKALUM	1700	1990 1989	50 1000	86 14	1.8 1.8	2632 252	1184	
							TOTAL:	2884		
		OTHER LOWER	11875	1990 1989	1235 2840	86 14	1.8 1.8	18383 716	7223	
							TOTAL:	19098		
		KISPICK	5525	1990 1989	620 550	86 14	1.8 1.8	960 139	-4427	
							TOTAL:	1098		
		BULKLEY/MORICE		1990 1989		86 14	1.8 1.8			
							TOTAL:			
		OTHER MIDDLE	6575	1990 1989	1625 1575	86 14	1.8 1.8	2516 397	-3663	
							TOTAL:	2912		
		BABINE	150	1990 1989	1 2	86 14	1.8 1.8	2 1	-148	
							TOTAL:	2		
		BEAR		1990 1989		86 14	1.8 1.8			
							TOTAL:			
		TOTAL:	54900					73150	18250	

Area 5 preliminary expectations for sockeye salmon for 1994.

SPECIES	YEAR	SUB-AREA	TARGET ESCAPEMENT	BROOD YEAR	BROOD ESC.	% AGE COMP	RETURN RATE	PROJECTED RETURNING STOCK	SURPLUS	COMMENTS
SOCKEYE	1994	OUTSIDE BANKS	12000	1990 1989	1100 4500	0.35 0.65	2.5 2.5	963 7313 8275	-3725	
		UPPER PRINCIPIE	2900	1990 1989	500	0.35 0.65	2.5 2.5	0 813 813	-2088	
		LOWER PRINCIPIE	21300	1990 1989	1640 8800	0.35 0.65	2.5 2.5	1435 14300 15735	-5565	
		PETREL CHANNEL	1100	1990 1989	30 100	0.35 0.65	2.5 2.5	26 163 189	-911	
		UPPER GRENVILLE	300	1990 1989	800 500	0.35 0.65	2.5 2.5	700 813 1513	1213	
		LOWER GRENVILLE	11700	1990 1989	2602 7500	0.35 0.65	2.5 2.5	2277 12188 14464	2764	
		OGDEN KITKATLA	1200	1990 1989		0.35 0.65	2.5 2.5	0 0 0	-1200	
		PORCHER INLET		1990 1989		0.35 0.65	2.5 2.5	0 0 0	0	
		TOTAL:	50500					40988	912	

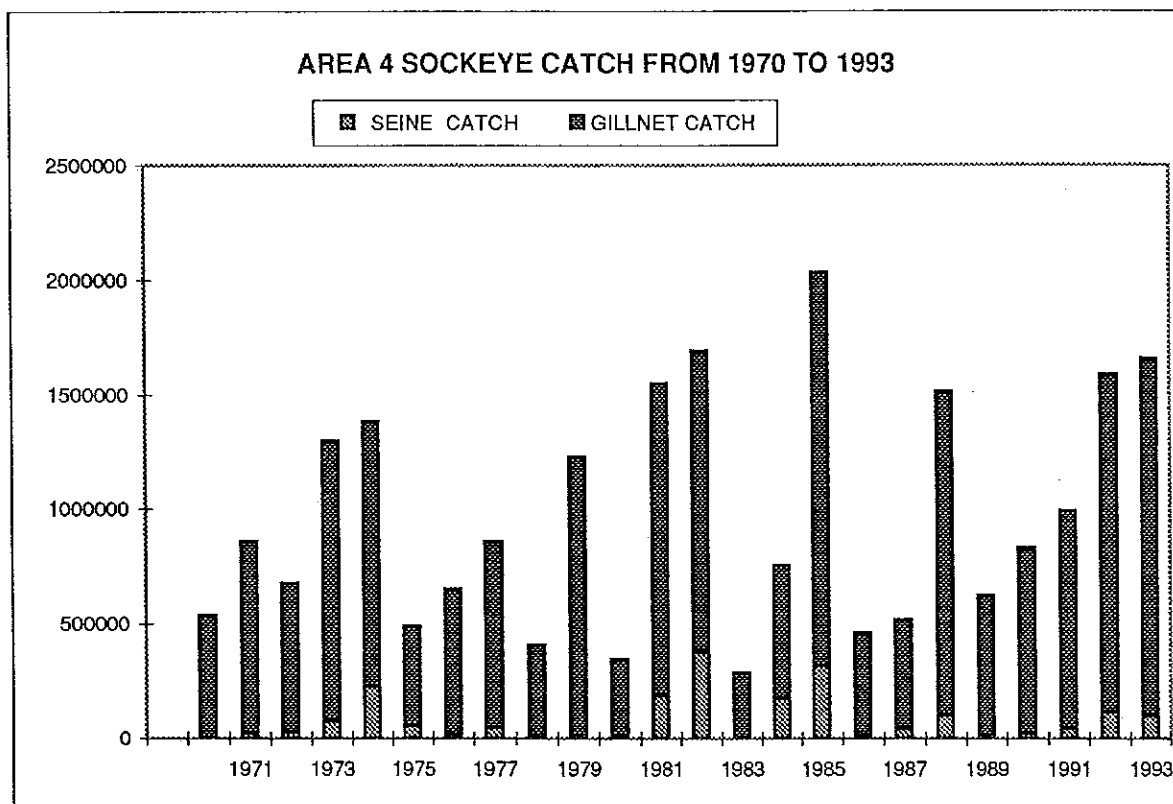
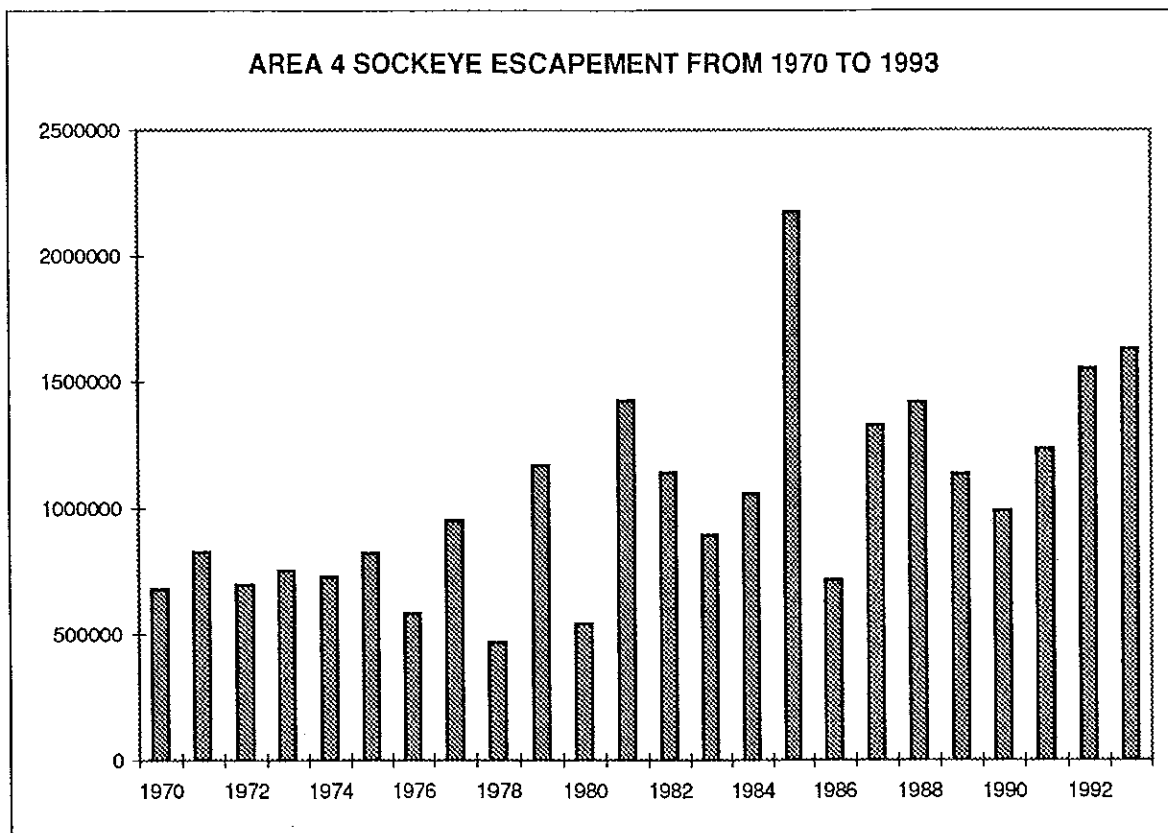
Area 5 preliminary expectations for pink salmon for 1994.

SPECIES	YEAR	SUB-AREA	TARGET ESCAPEMENT	BROOD YEAR	BROOD ESC.	RETURN RATE	PROJECTED RETURNING STOCK	SURPLUS	COMMENTS
PINK	1994	OUTSIDE BANKS	13200	1992		2.8	0	-13200	
		UPPER PRINCIPE	13500	1992	6400	2.8	17920	4420	
		LOWER PRINCIPE	30500	1992	16120	2.8	45136	14636	
		PETREL CHANNEL	19000	1992	1750	2.8	4900	-14100	
		UPPER GRENVILLE	93300	1992	13050	2.8	36540	-56760	
		LOWER GRENVILLE	18000	1992	172	2.8	482	-17518	
		OGDEN KITKATLA	38500	1992	4800	2.8	13440	-25060	
		PORCHER INLET	28500	1992	1125	2.8	3150	-25350	
		TOTAL:	254500				121568	-132932	

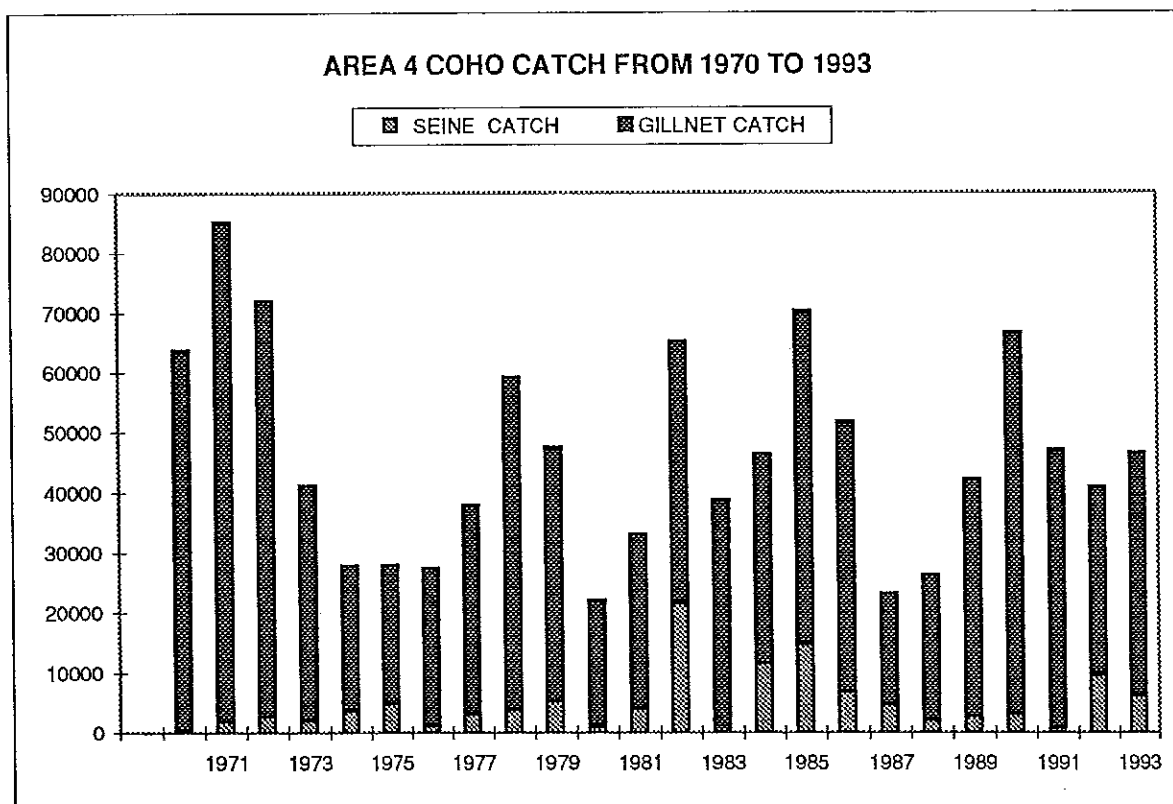
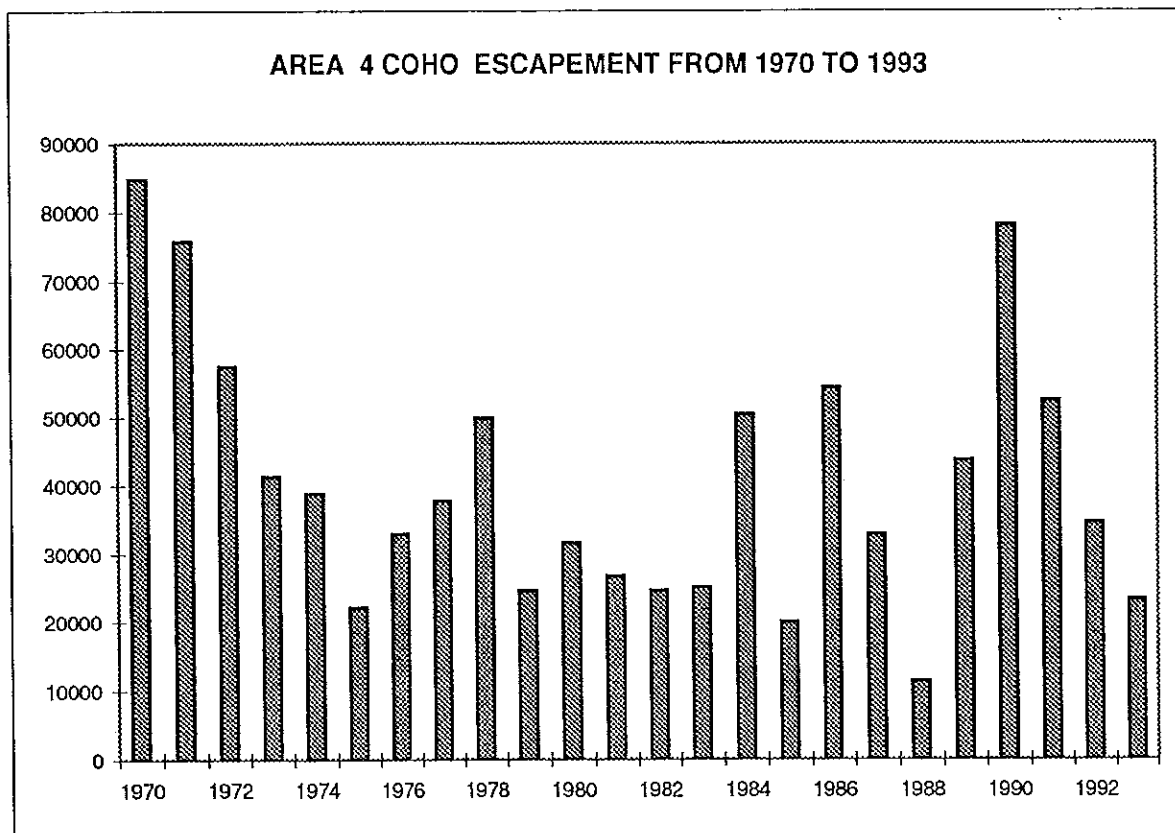
Area 5 preliminary expectations for chum salmon for 1994.

SPECIES	YEAR	SUB-AREA	TARGET ESCAPEMENT	BROOD YEAR	BROOD ESC.	% AGE COMP	RETURN RATE	PROJECTED RETURNING STOCK	SURPLUS	COMMENTS
CHUM	1994	OUTSIDE BANKS	11700	1990 1989	70	0.86 0.14	1.8 1.8	108 0	-11592	
		UPPER PRINCIPIE	1350	1990 1989	2	0.86 0.14	1.8 1.8	3 0	-1347	
		LOWER PRINCIPIE	4150	1990 1989	516 620	0.86 0.14	1.8 1.8	799 156 955	-3195	
		PETREL CHANNEL	6500	1990 1989	982 2300	0.86 0.14	1.8 1.8	1520 580 2100	-4400	
		UPPER GRENVILLE	1600	1990 1989	64 260	0.86 0.14	1.8 1.8	99 66 165	-1435	
		LOWER GRENVILLE	7325	1990 1989	1902 1450	0.86 0.14	1.8 1.8	2944 365 3310	-4015	
		OGDEN KITKATLA	1000	1990 1989	50	0.86 0.14	1.8 1.8	0 13 13	-987	
		PORCHER INLET	225	1990 1989		0.86 0.14	1.8 1.8	0 0 0	-225	
		TOTAL:	33850					6653	-27197	

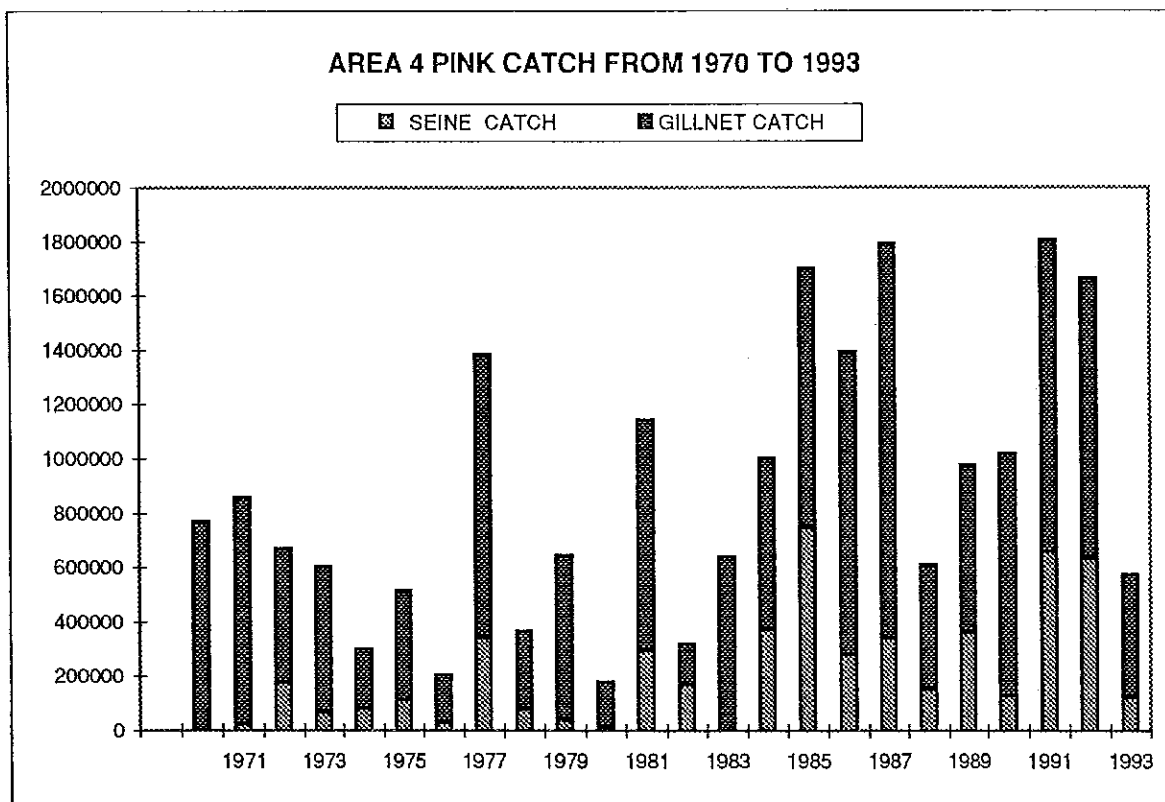
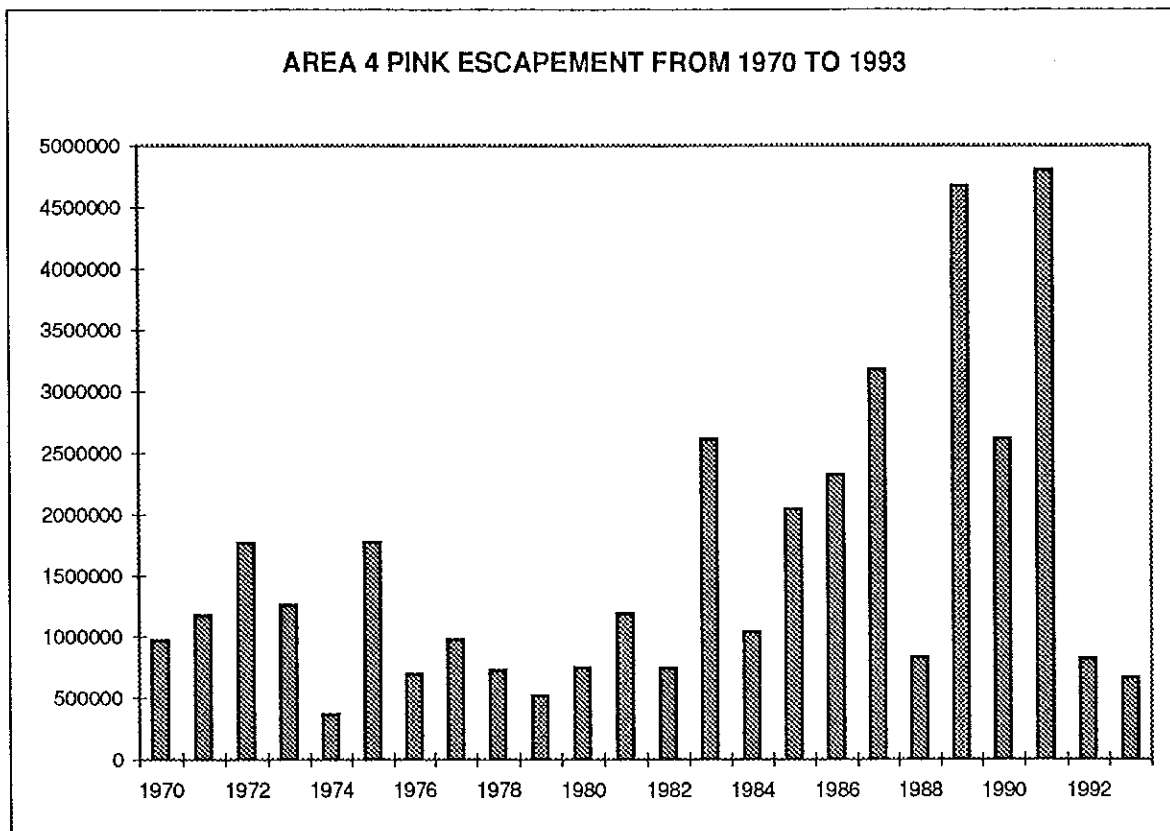
	Historical Catch and Escapement in Statistical Area 4					
			SOCKEYE			
YEAR		ESCAPE MENT	SEINE CATCH	GILLNET CATCH	TOTAL CATCH	
1970		678652	349	535441	535790	
1971		825900	23251	834165	857416	
1972		697237	27739	646515	674254	
1973		751859	76888	1221781	1298669	
1974		726291	227280	1153464	1380744	
1975		822633	56237	430308	486545	
1976		582652	16991	634241	651232	
1977		951805	48191	809142	857333	
1978		468159	12519	393428	405947	
1979		1166236	12759	1213680	1226439	
1980		541964	5284	339491	344775	
1981		1424209	187085	1362800	1549885	
1982		1139246	379051	1312868	1691919	
1983		893724	0	284989	284989	
1984		1055215	173489	581508	754997	
1985		2174806	316123	1717535	2033658	
1986		714307	15467	445138	460605	
1987		1324128	45082	471599	516681	
1988		1417593	99992	1412519	1512511	
1989		1134994	12896	609503	622399	
1990		989482	22280	806242	828522	
1991		1232478	45168	946169	991337	
1992		1550709	115876	1474199	1590075	
1993		1627370	100717	1559121	1659838	



	Historical Catch and Escapement in Statistical Area 4					
			COHO			
YEAR		ESCAPE MENT	SEINE CATCH	GILLNET CATCH	TOTAL CATCH	
1970		84725	162	63597	63759	
1971		75795	1773	83458	85231	
1972		57514	2650	69394	72044	
1973		41292	2028	39128	41156	
1974		38799	3654	24225	27879	
1975		22119	4804	23123	27927	
1976		32891	1142	26262	27404	
1977		37709	3080	34732	37812	
1978		49963	3863	55328	59191	
1979		24494	5208	42218	47426	
1980		31587	1105	21001	22106	
1981		26691	3926	29062	32988	
1982		24521	21602	43583	65185	
1983		24978	0	38682	38682	
1984		50409	11589	34722	46311	
1985		19974	14833	55392	70225	
1986		54287	6810	44889	51699	
1987		32766	4724	18465	23189	
1988		11294	2052	24185	26237	
1989		43626	2643	39428	42071	
1990		78102	3100	63480	66580	
1991		52434	778	46193	46971	
1992		34591	9656	31192	40848	
1993		23227	6097	40293	46390	



	Historical Catch and Escapement in Statistical Area 4					
			PINK			
YEAR		ESCAPE MENT	SEINE CATCH	GILLNET CATCH	TOTAL CATCH	
1970		971800	997	770458	771455	
1971		1173381	24254	833444	857698	
1972		1765154	178430	490855	669285	
1973		1260186	68568	533137	601705	
1974		367600	82151	217474	299625	
1975		1767907	112545	403621	516166	
1976		693850	29791	176340	206131	
1977		976527	342275	1040829	1383104	
1978		724597	81005	285407	366412	
1979		515563	40269	605156	645425	
1980		745367	12741	166931	179672	
1981		1187865	295706	846828	1142534	
1982		739490	171074	148441	319515	
1983		2609574	0	639583	639583	
1984		1037198	372664	629289	1001953	
1985		2041855	748790	950034	1698824	
1986		2323744	281448	1113941	1395389	
1987		3180414	340480	1452176	1792656	
1988		827490	153041	457115	610156	
1989		4673627	360603	615113	975716	
1990		2613020	129765	888480	1018245	
1991		4799467	659911	1144907	1804818	
1992		817778	633906	1030329	1664235	
1993		663813	125347	447990	573337	



	Historical Catch and Escapement in Statistical Area 4					
			CHUM			
YEAR		ESCAPE MENT	SEINE CATCH	GILLNET CATCH	TOTAL CATCH	
1970		10890	113	33211	33324	
1971		5232	838	37918	38756	
1972		36920	3631	115698	119329	
1973		25476	6627	82355	88982	
1974		14102	9895	51012	60907	
1975		10375	5355	17249	22604	
1976		11071	2187	11691	13878	
1977		10927	10770	55720	66490	
1978		8153	7341	54121	61462	
1979		5705	2673	51830	54503	
1980		25007	3177	70618	73795	
1981		9385	7736	35226	42962	
1982		4626	26793	35779	62572	
1983		1667	0	24391	24391	
1984		29764	29023	98250	127273	
1985		12188	27603	85205	112808	
1986		12760	6858	51136	57994	
1987		7652	5597	24230	29827	
1988		108921	17742	209777	227519	
1989		20631	4847	59402	64249	
1990		6043	2140	33673	35813	
1991		3683	1747	50874	52621	
1992		11295	13337	71610	84947	
1993		10052	32015	159301	191316	

