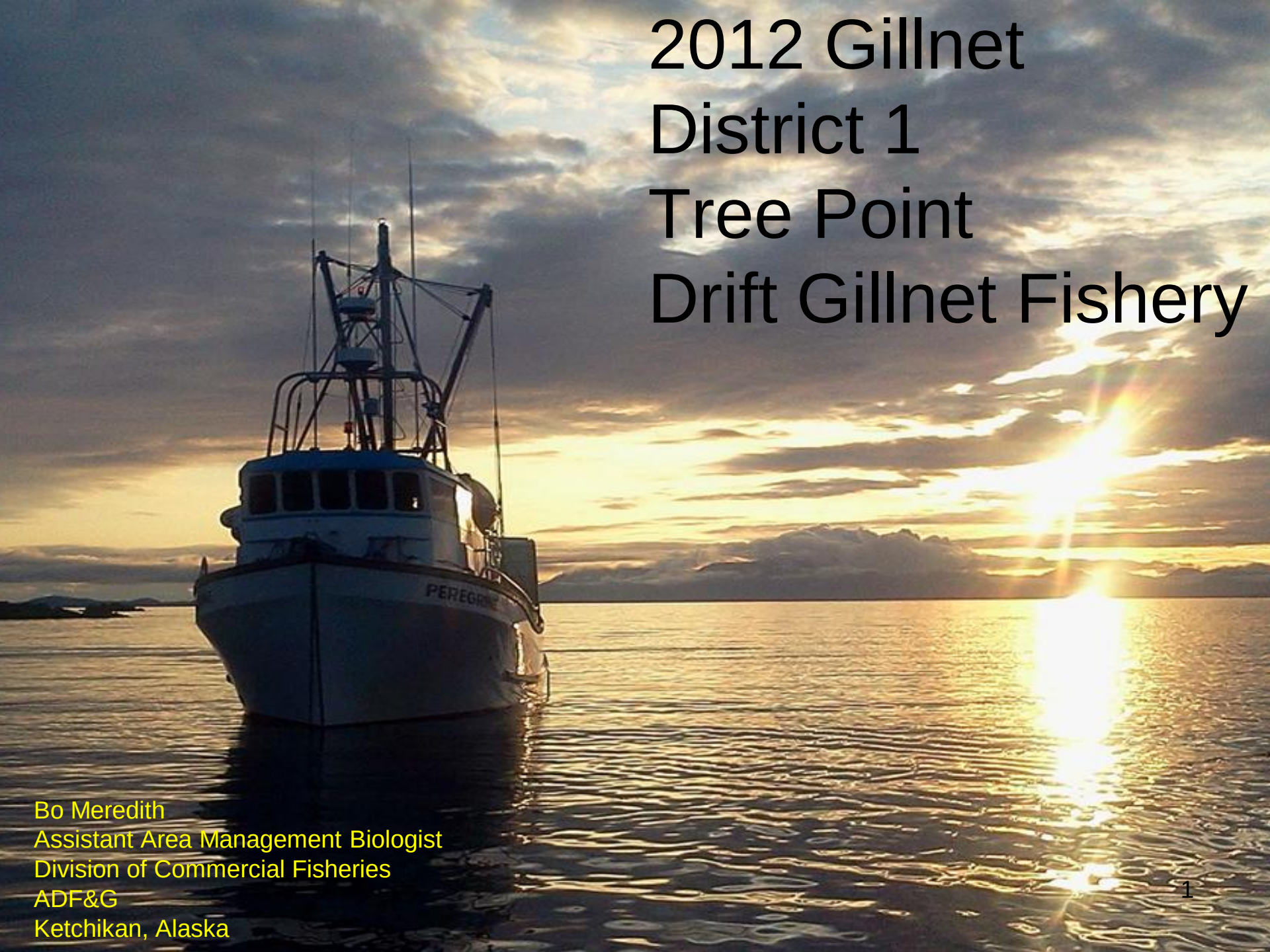


2012 Gillnet District 1 Tree Point Drift Gillnet Fishery

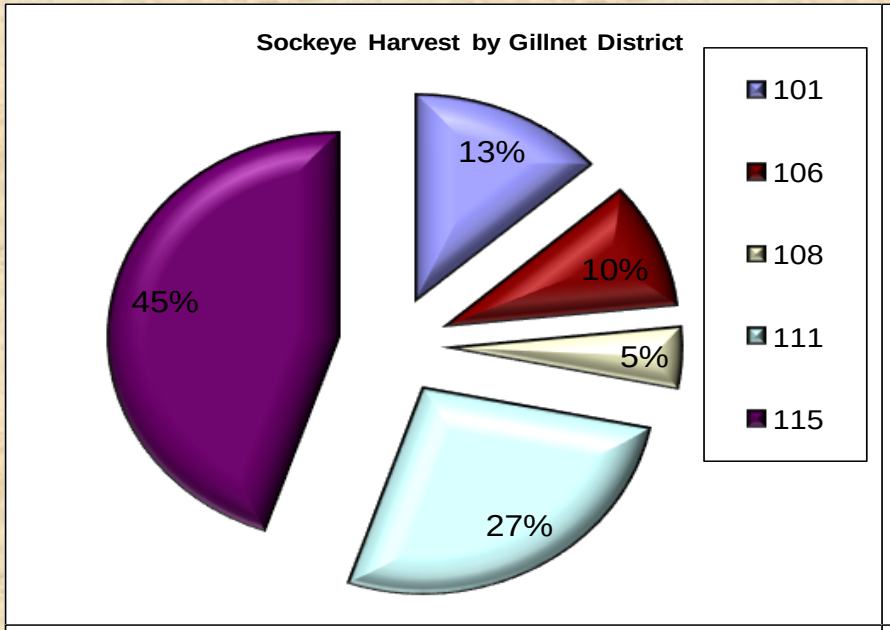
Bo Meredith
Assistant Area Management Biologist
Division of Commercial Fisheries
ADF&G
Ketchikan, Alaska

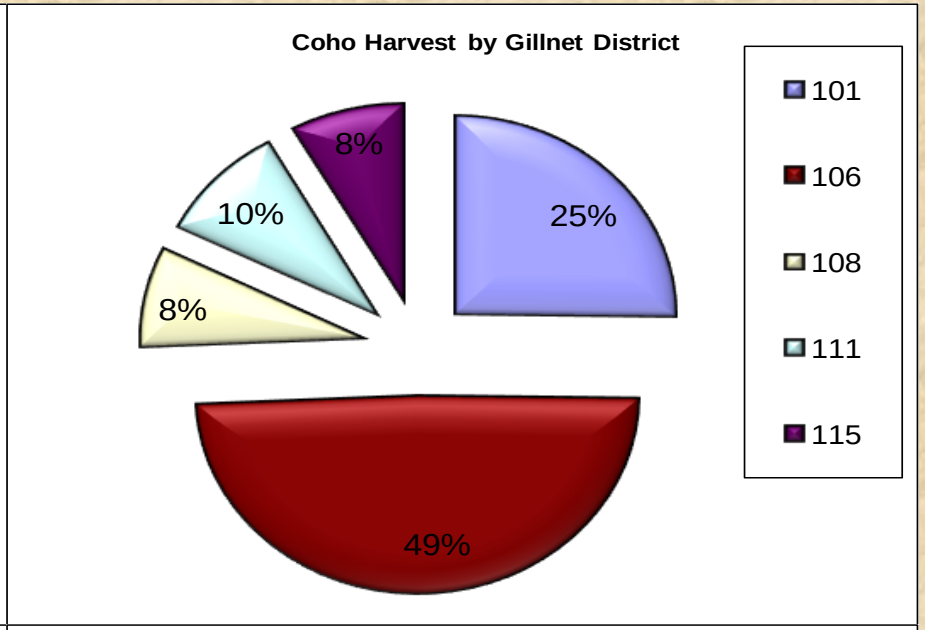
2012 Ketchikan Area Commercial Net Harvests

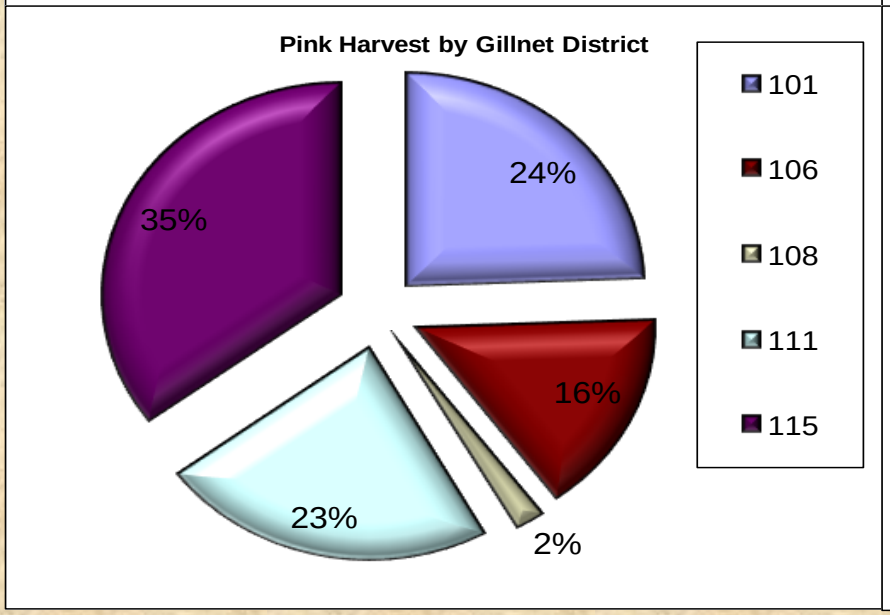
Purse Seine and Gillnet - Districts 1-4

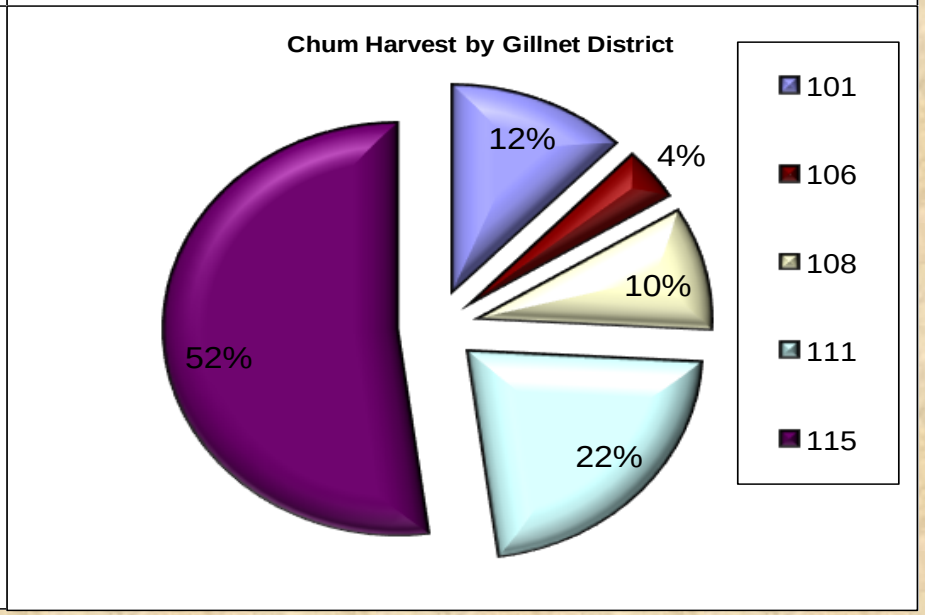
	Chinook	Sockeye	Coho	Pink	Chum	Totals
District 1	133	18,393	27,772	3,379,287	188,388	3,613,973
District 2	721	43,562	84,308	5,872,733	1,292,054	7,293,378
District 3	120	3,317	14,157	1,115,405	44,122	1,177,121
District 4	3,027	72,393	93,025	5,793,209	257,851	6,219,505
Tree Point Gillnet	1,404	62,506	62,505	203,860	314,339	644,614
Nakat Inlet THA	159	2,035	2,955	13,413	429,753	448,315
Kendrick Bay THA	35	3,502	5,644	123,922	219,876	352,979
Neets Bay THA	7,840	147	34,154	3,039	366,393	411,573
Annette Island	1,621	22,091	42,374	807,877	467,859	1,341,822
Totals	**15,060**	**227,946**	**366,894**	**17,312,745**	**3,580,635**	**21,503,280**

Common Property Catch by District – Does not Include THA's









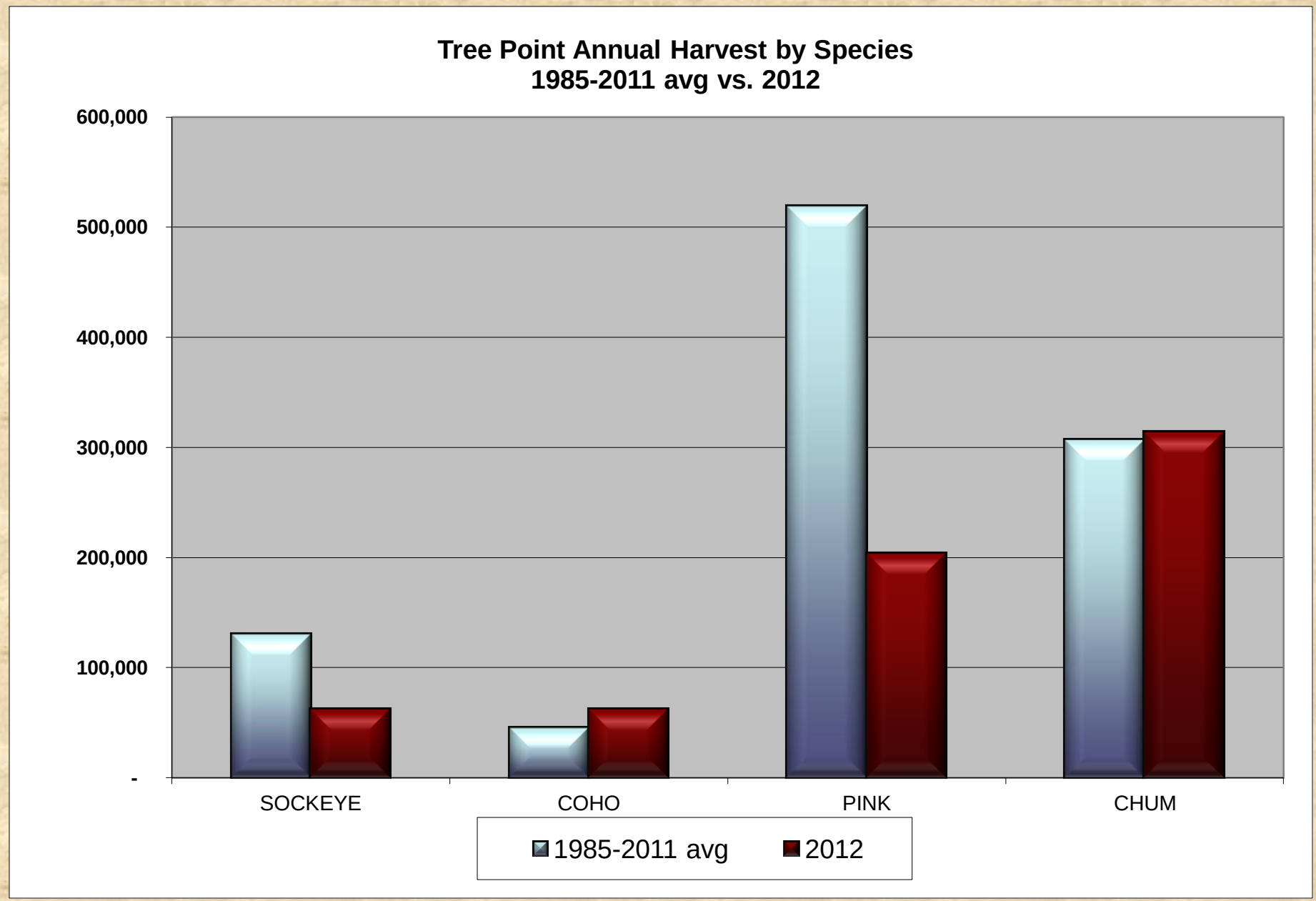
2012 Tree Point Drift Gillnet Fishery

Opening	Chinook	Sockeye	Coho	Pink	Chum	Boats	Hours
25	442	21,859	352	72	14,710	50	96
26	324	13,083	130	239	35,209	59	96
27	197	9,305	595	4,536	48,579	54	96
28	154	7,553	1,864	33,904	54,775	55	96
29	86	2,475	1,001	9,474	42,268	48	48
30	85	2,643	1,853	26,027	40,701	38	96
31	42	2,826	2,154	34,931	23,628	46	120
32	20	1,517	2,828	33,946	7,313	40	120
33	24	642	4,467	18,261	5,741	33	120
34	12	262	5,665	28,391	10,943	34	120
35	15	212	9,298	12,277	11,533	34	96
36	2	118	12,350	1,728	10,534	38	96
37	1	7	7,975	62	4,579	31	96
38	-	4	7,665	12	2,468	32	96
39	-	-	4,208	-	1,341	10	96
Total	**1,404**	**62,506**	**62,405**	**203,860**	**314,322**	**85**	**1,488**

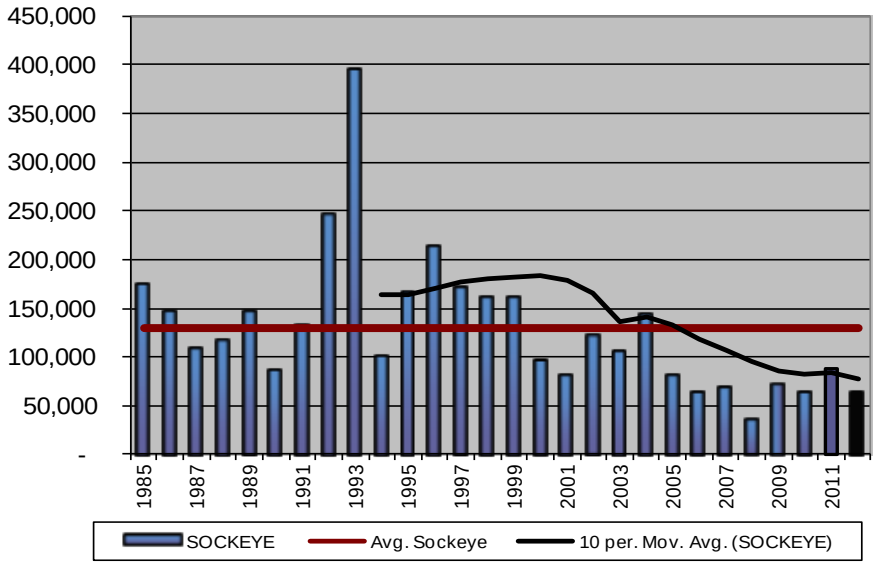
Sockeye and chum management stat weeks 25-28

Pink salmon management stat weeks 29-34

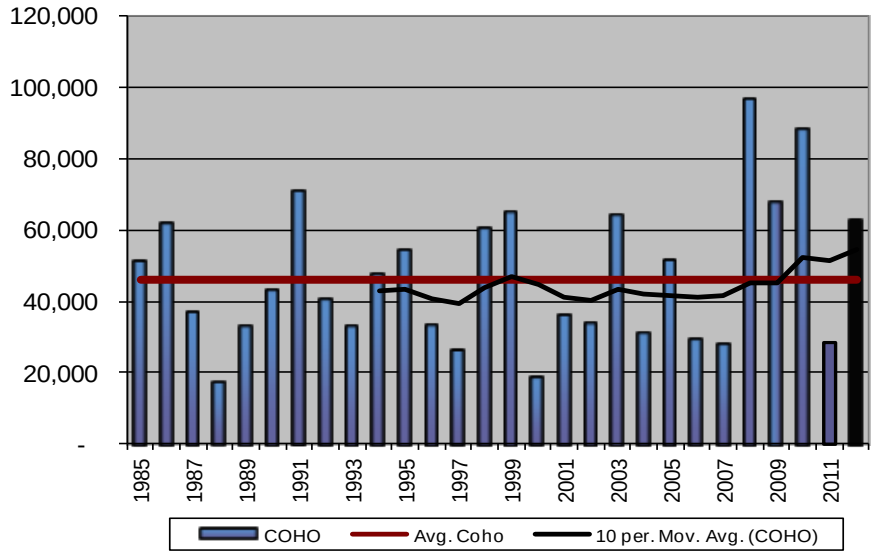
Fall chum and coho management stat weeks 35-39


Tree Point Annual Harvest by Species
1985-2011 avg vs. 2012
600,000
500,000
400,000
300,000
200,000
100,000
-
SOCKEYE
COHO
PINK
CHUM
1985-2011 avg
2012

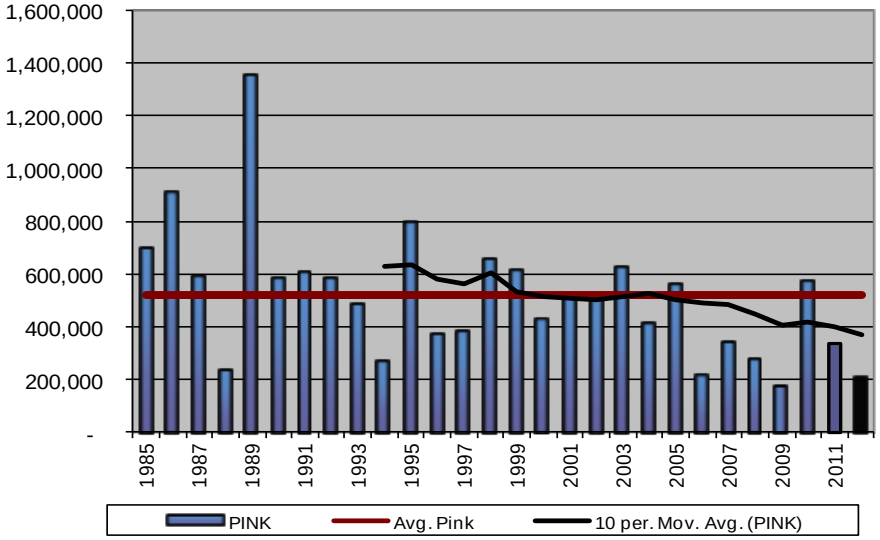
Tree Point Gillnet - Sockeye Harvest



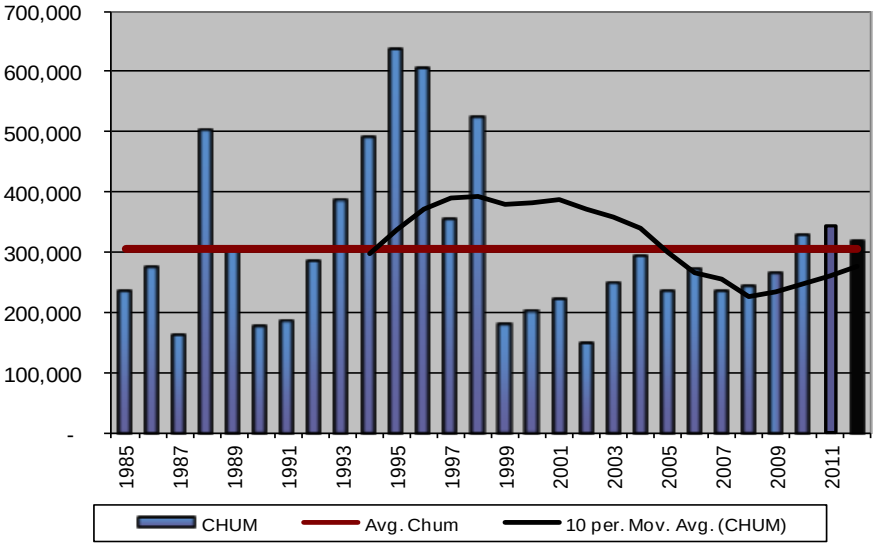
Tree Point Gillnet - Coho Harvest

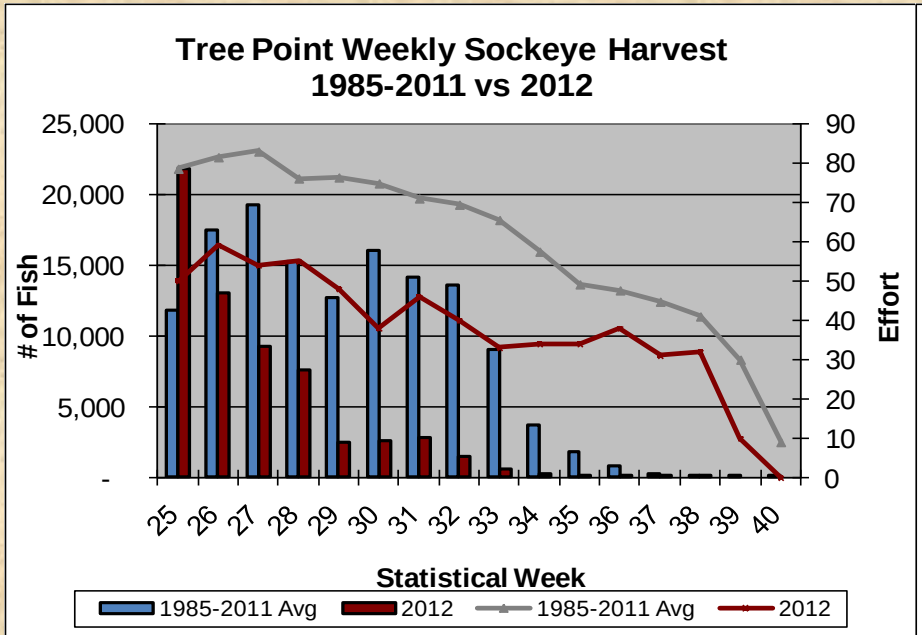


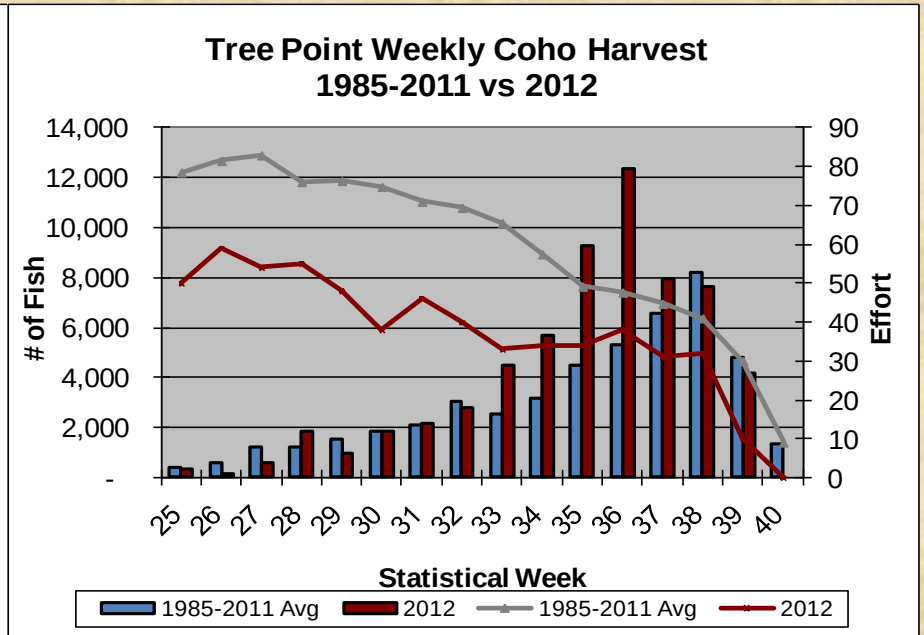
Tree Point Gillnet - Pink Harvest

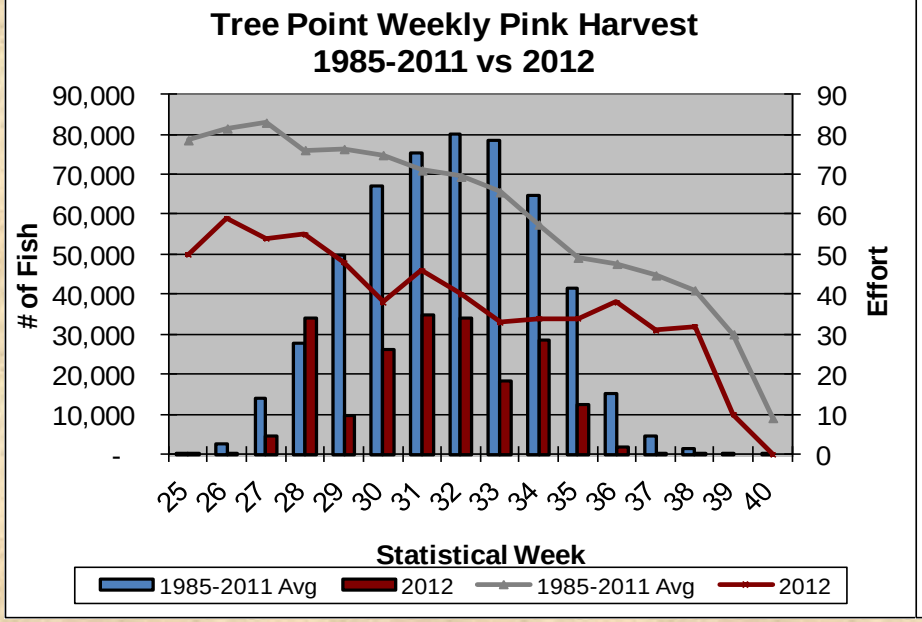


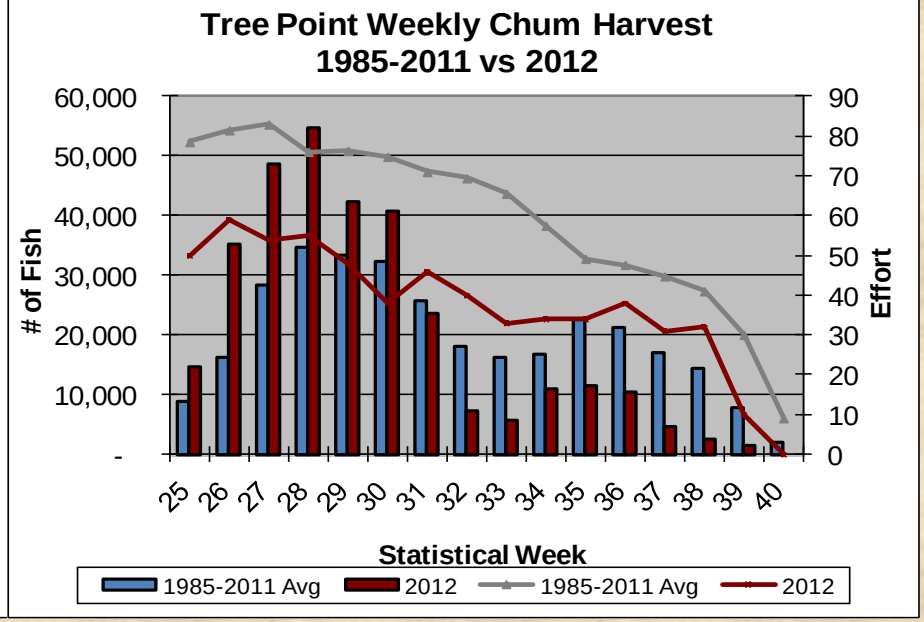
Tree Point Gillnet - Chum Harvest



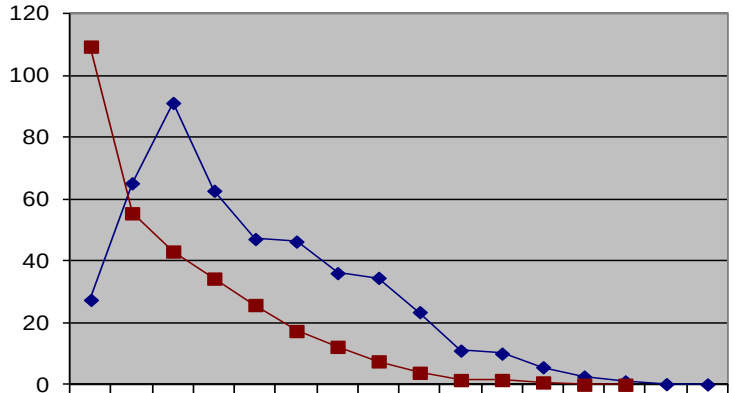

Tree Point Weekly Sockeye Harvest
1985-2011 vs 2012
# of Fish
Effort
Statistical Week
1985-2011 Avg
2012
1985-2011 Avg
2012


Tree Point Weekly Coho Harvest
1985-2011 vs 2012
# of Fish
Effort
Statistical Week
1985-2011 Avg
2012
1985-2011 Avg
2012


Tree Point Weekly Pink Harvest
1985-2011 vs 2012
# of Fish
Effort
Statistical Week
1985-2011 Avg
2012
1985-2011 Avg
2012

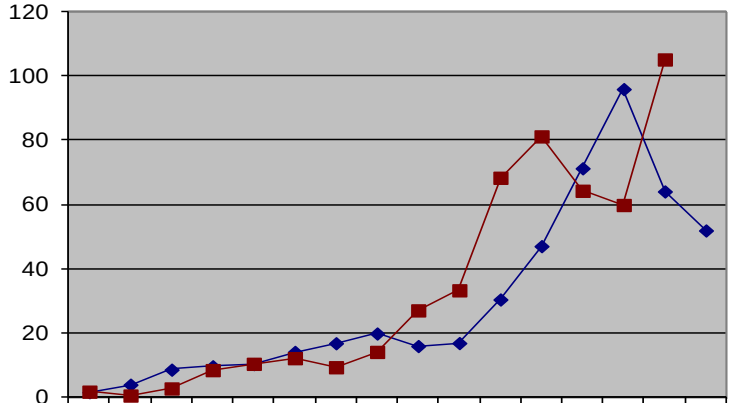

Tree Point Weekly Chum Harvest
1985-2011 vs 2012
# of Fish
Effort
Statistical Week
1985-2011 Avg
2012
1985-2011 Avg
2012

Sockeye - CPUE
10 yr. Avg. vs 2012



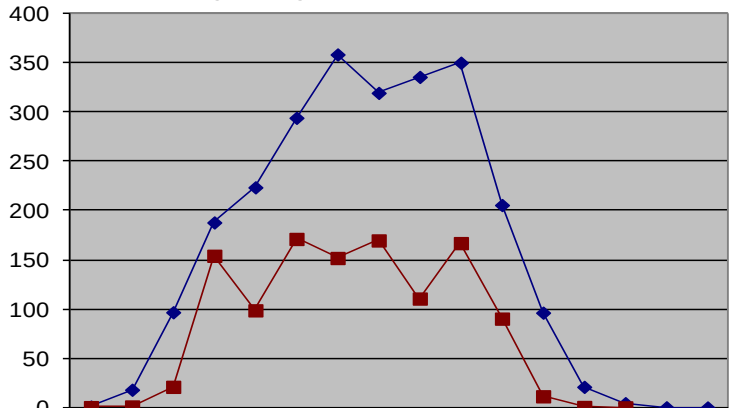
	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
10 yr. Avg.	27	65	91	63	47	46	36	35	23	11	10	6	3	1	0	0
2012	109	55	43	34	26	17	12	8	4	2	2	1	0	0		

Coho - CPUE
10 yr. Avg vs 2012



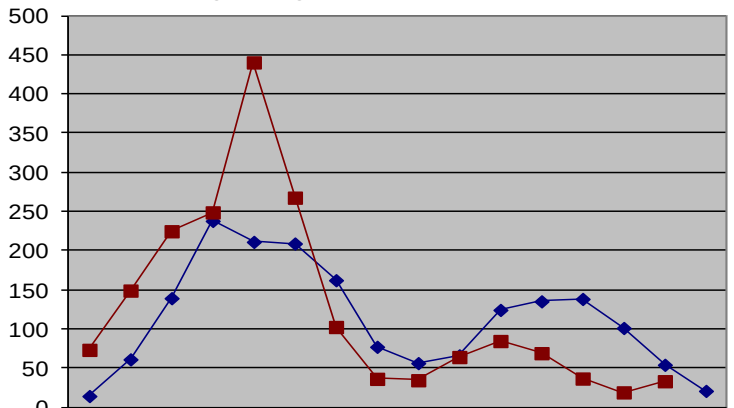
	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
10 yr. Avg.	2	4	9	10	10	14	17	20	16	17	30	47	71	96	64	52
2012	2	1	3	8	10	12	9	14	27	33	68	81	64	60	105	

Pink - CPUE
10 yr. Avg. vs 2012

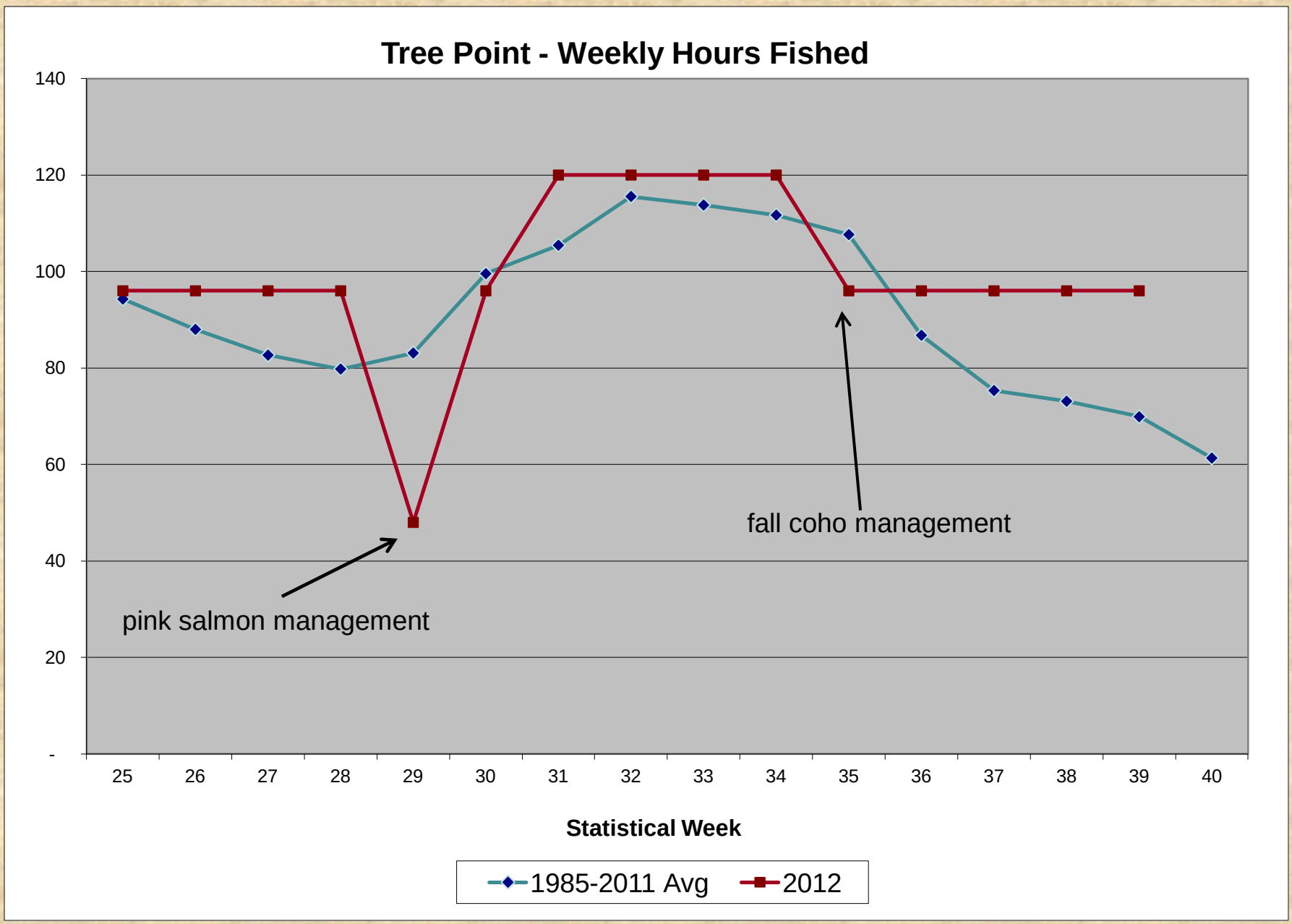


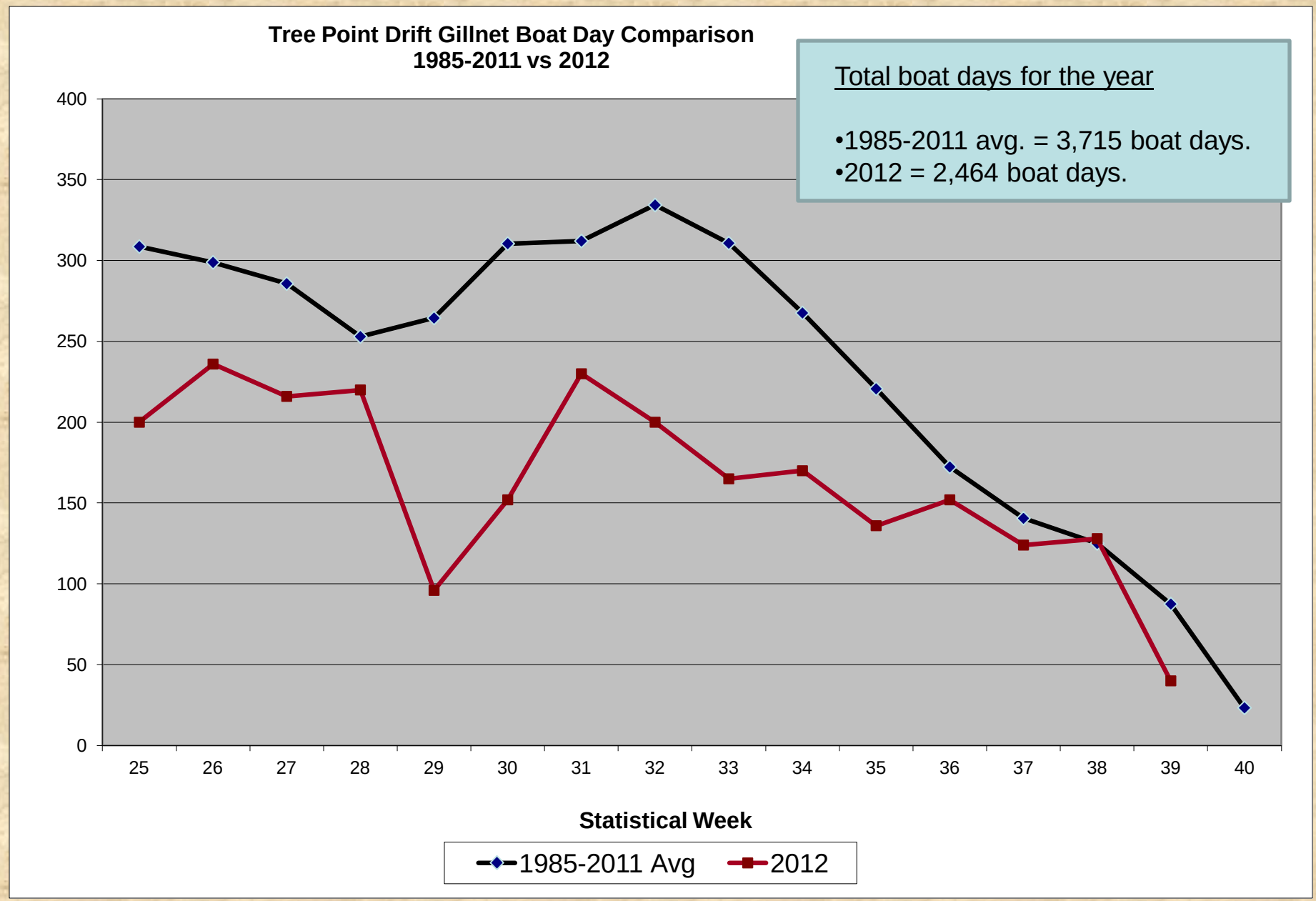
	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
10 yr. Avg.	1	18	97	188	224	294	359	320	336	350	206	96	21	4	0	0
2012	0	1	21	154	99	171	152	170	111	167	90	11	1	0		

Chum - CPUE
10 yr. Avg. vs 2012



	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
10 yr. Avg.	15	61	140	238	211	209	162	77	57	67	125	135	139	101	54	21
2012	74	149	225	249	440	268	103	37	35	64	85	69	37	19	34	


Tree Point - Weekly Hours Fished
140
120
100
80
60
40
20
-
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
Statistical Week
pink salmon management
fall coho management
1985-2011 Avg
2012

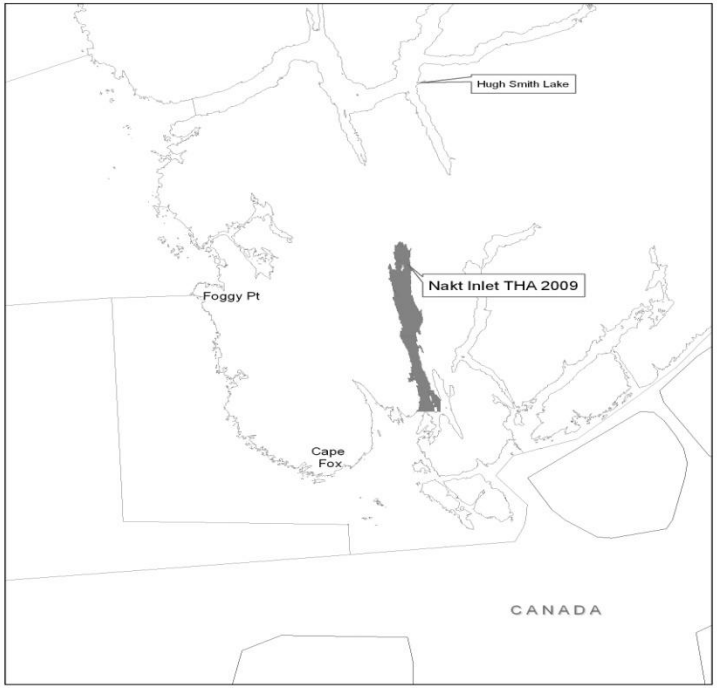

Tree Point Drift Gillnet Boat Day Comparison
1985-2011 vs 2012
Total boat days for the year
•1985-2011 avg. = 3,715 boat days.
•2012 = 2,464 boat days.
400
350
300
250
200
150
100
50
0
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
Statistical Week
1985-2011 Avg
2012

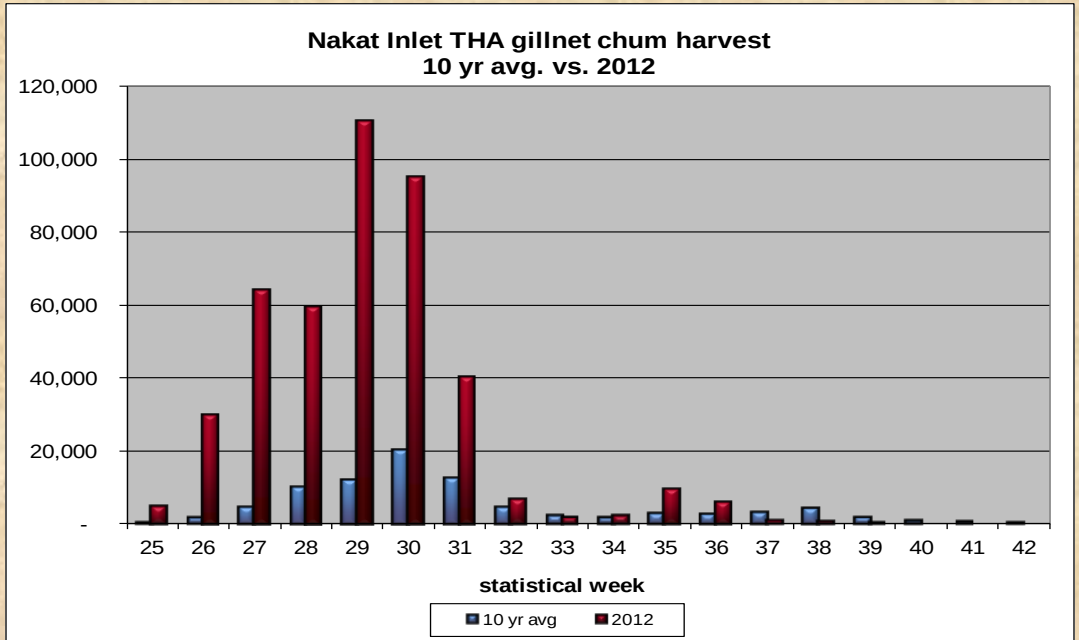
Nakat Inlet THA forecast for 2012

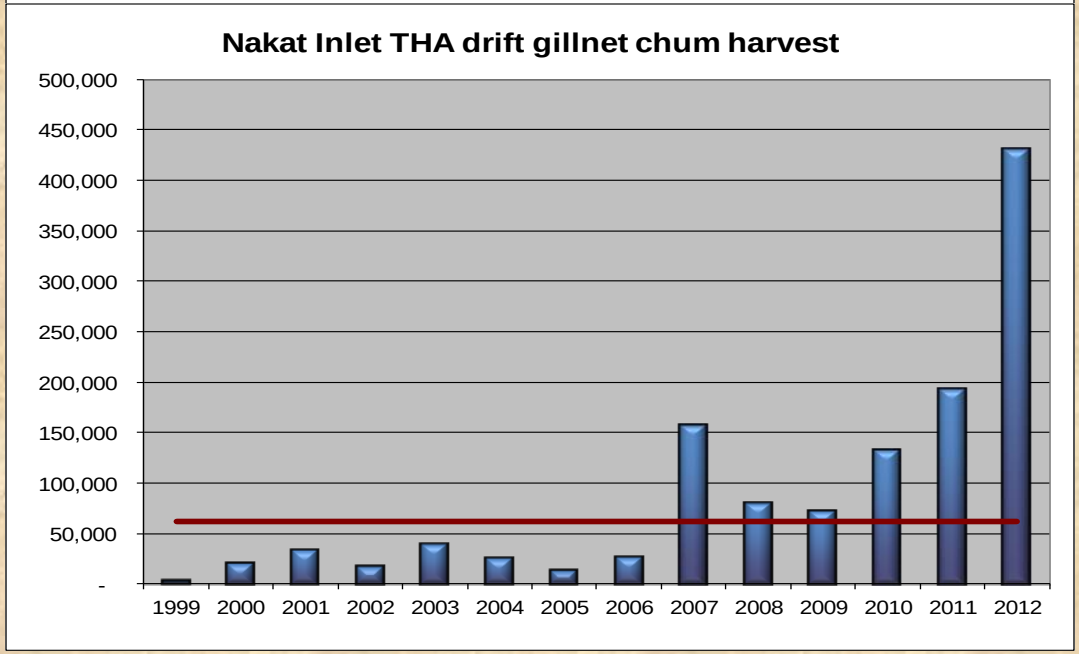
- 403,000 summer chum
- 85,700 fall chum
- 21,000 coho

Total SSRAA Nakat Chum Harvest

Gillnet CP	196,000
Seine CP	68,000
THA - gillnet	429,753
Total	~ 694,000



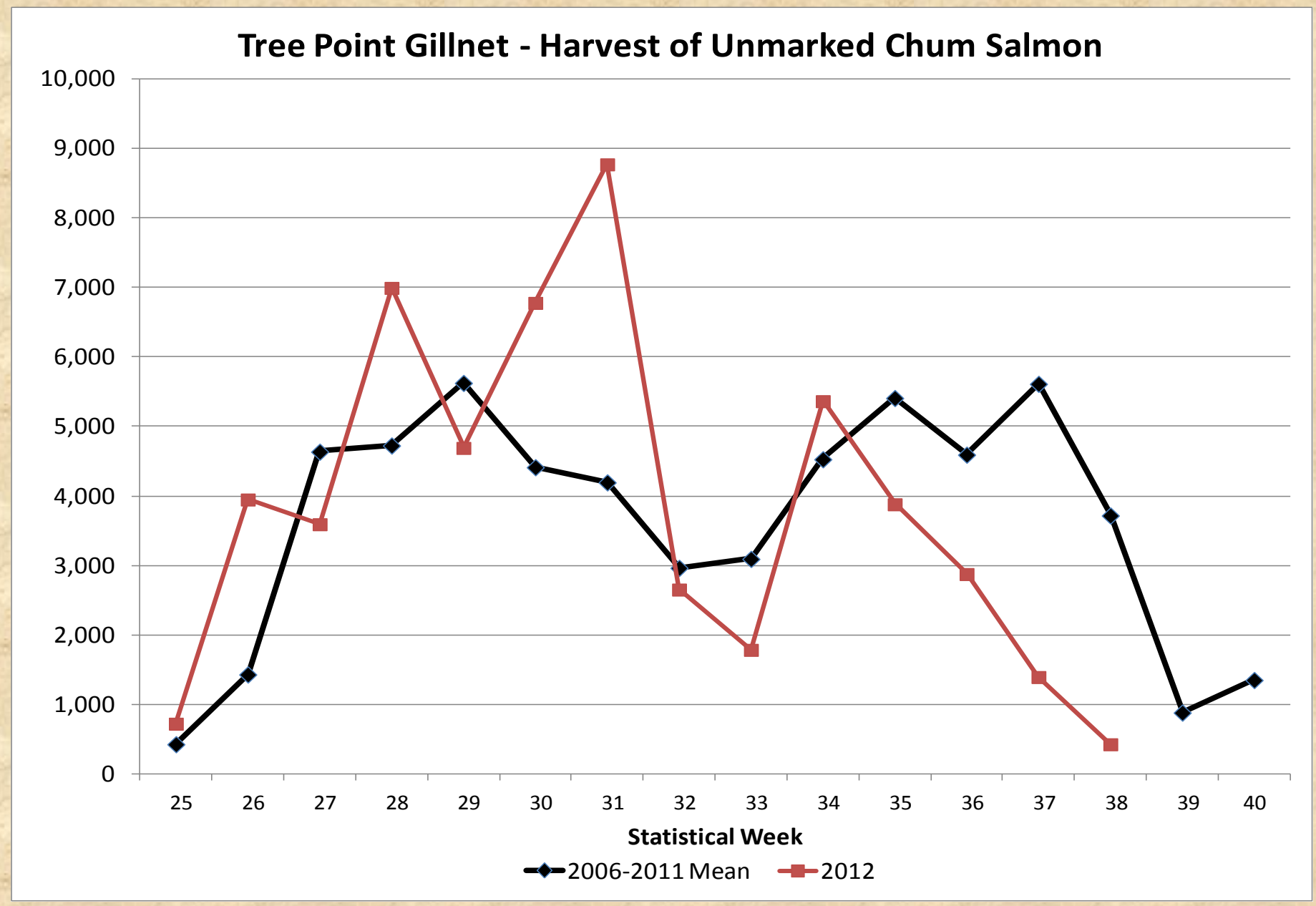




Enhanced stock composition breakdown for Tree Point gillnet by stat week. Information from SSRAA.

Gear	District	MarkID	25	26	27	28	29	30	31	32	33	34	35	36	37	38	Total
Gillnet	101	ANITABAY06													64		64
		ANITABAY07				304											304
		ANITABAY08	1,078	828	-	2,069	3,112	1,300	-	190	119					-	6,655
		ANITABAY09		188													188
		DIPAC07							675								675
		DIPAC08				304											304
		KENDRICK08	291	565	360	1,217	1,174										3,607
		KENDRICK09				913			675	95		103					1,786
		NAKATINLET07SUM	1,456	3,577	5,038	1,826	587	1,696		285	46		121				14,633
		NAKATINLET08SUM	10,574	24,026	37,209	30,796	23,894	23,007	11,883	2,089	1,212	454	134	-	-	-	165,276
		NAKATINLET09SUM	146	753	3,599	5,782	8,219	7,349	2,025	949	827	413					30,061
		NAKATINLET06FALL											243	180			423
		NAKATINLET07FALL								759	1,378	3,717	4,371	4,232	1,845	1,261	17,563
		NAKATINLET08FALL				304					46	310	729	540	382	396	2,707
		NAKATINLET09FALL									92	103	607	270	127	180	1,380
		NEETSBAY07SUM		188		609				95	46	103		90			1,131
		NEETSBAY08SUM	437	1,130	360	2,130	587	565		95	46	103					5,453
		NEETSBAY09SUM				1,522											1,522
		NEETSBAY06FALL													64		64
		NEETSBAY07FALL								95	92	310	607	1,711	445	144	3,404
		NEETSBAY08FALL									46		850	540	254		1,691
		NEETSBAY09FALL												90		72	162
	**	NONE	728	3,954	3,599	6,999	4,697	6,783	8,777	2,658	1,791	5,369	3,885	2,881	1,399	432	53,953
	101 Total		**14,710**	**35,210**	**48,580**	**54,775**	**42,270**	**40,700**	**23,630**	**7,310**	**5,740**	**10,945**	**11,535**	**10,535**	**4,580**	**2,485**	**313,005**

** a percentage of the non-marked fish will have some Annette Island enhanced chum which are not otolith marked.


Tree Point Gillnet - Harvest of Unmarked Chum Salmon
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
Statistical Week
2006-2011 Mean
2012

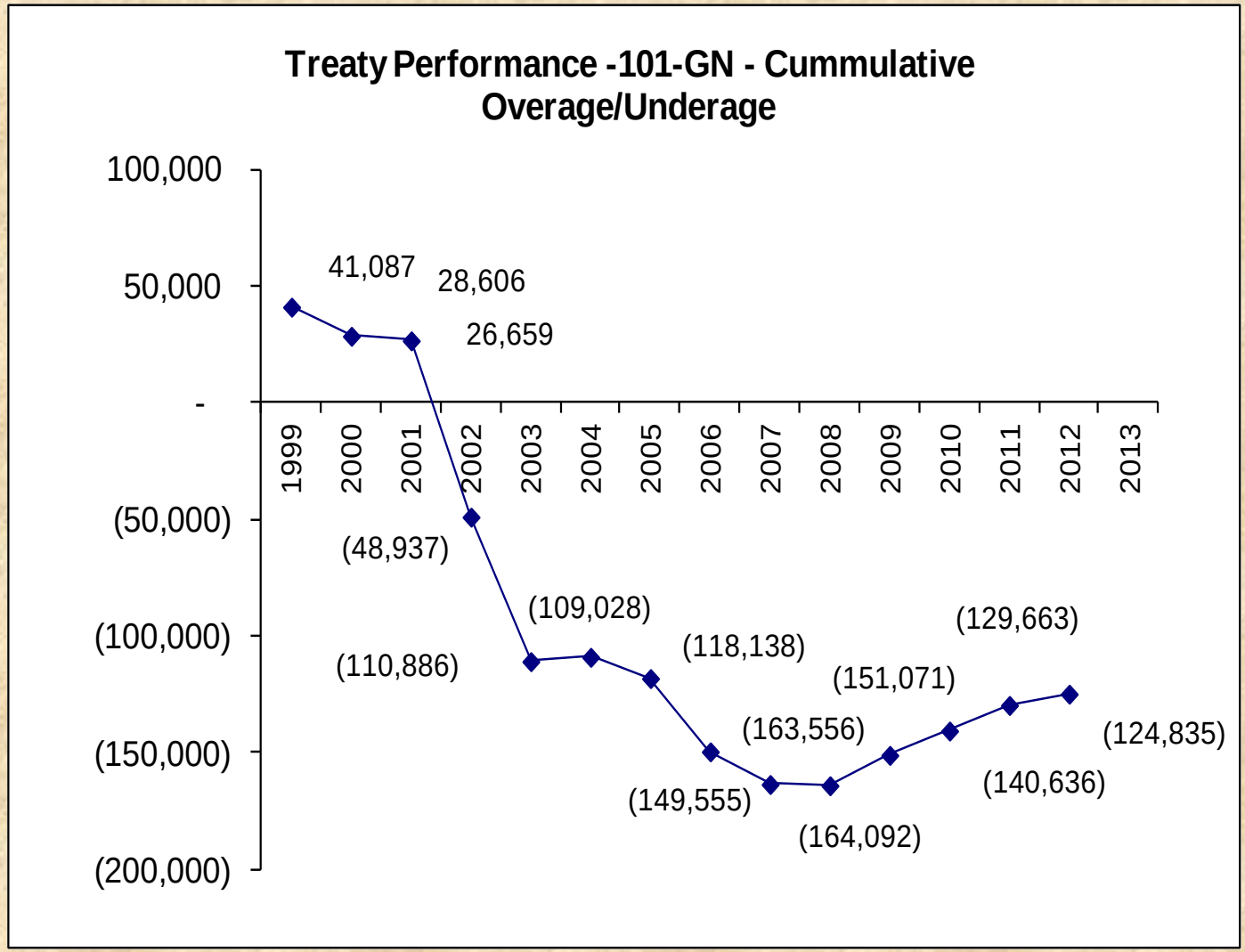
PSC Treaty

	Nass River Total Return	Nass River Escapement	Allowable Nass River AAH	Allowable D1 GN Harvest (13.8%)	Total Sockeye Harvest	Actual Nass River Alaska Harvest	Overage Underage Per Year	Cumulative overage / - underage
1999	842,806	200,000	642,806	88,707	160,028	129,794	41,087	41,087
2000	625,983	200,000	425,983	58,786	94,651	46,305	(12,481)	28,606
2001	580,616	167,258	413,358	57,043	80,041	55,096	(1,947)	26,659
2002	1,403,976	200,000	1,203,976	166,149	120,353	90,553	(75,596)	(48,937)
2003	1,177,472	200,000	977,472	134,891	105,263	72,942	(61,949)	(110,886)
2004	986,098	200,000	786,098	108,482	142,357	110,340	1,858	(109,028)
2005	666,880	200,000	466,880	64,429	79,725	55,319	(9,110)	(118,138)
2006	775,110	200,000	575,110	79,365	62,770	47,948	(31,417)	(149,555)
2007	602,208	164,745	437,463	60,370	66,822	46,369	(14,001)	(163,556)
2008	380,397	200,000	180,397	24,895	34,113	24,359	(536)	(164,092)
2009	460,000	200,000	260,000	35,880	69,859	48,901	13,021	(151,071)
2010	442,178	200,000	242,178	33,421	62,651	43,856	10,435	(140,636)
2011	570,000	200,000	370,000	51,060	88,618	62,033	10,973	(129,663)
2012	477,300	200,000	277,300	38,267	61,565	43,096	4,828	(124,835)
2013	452,000	200,000	252,000	34,776				

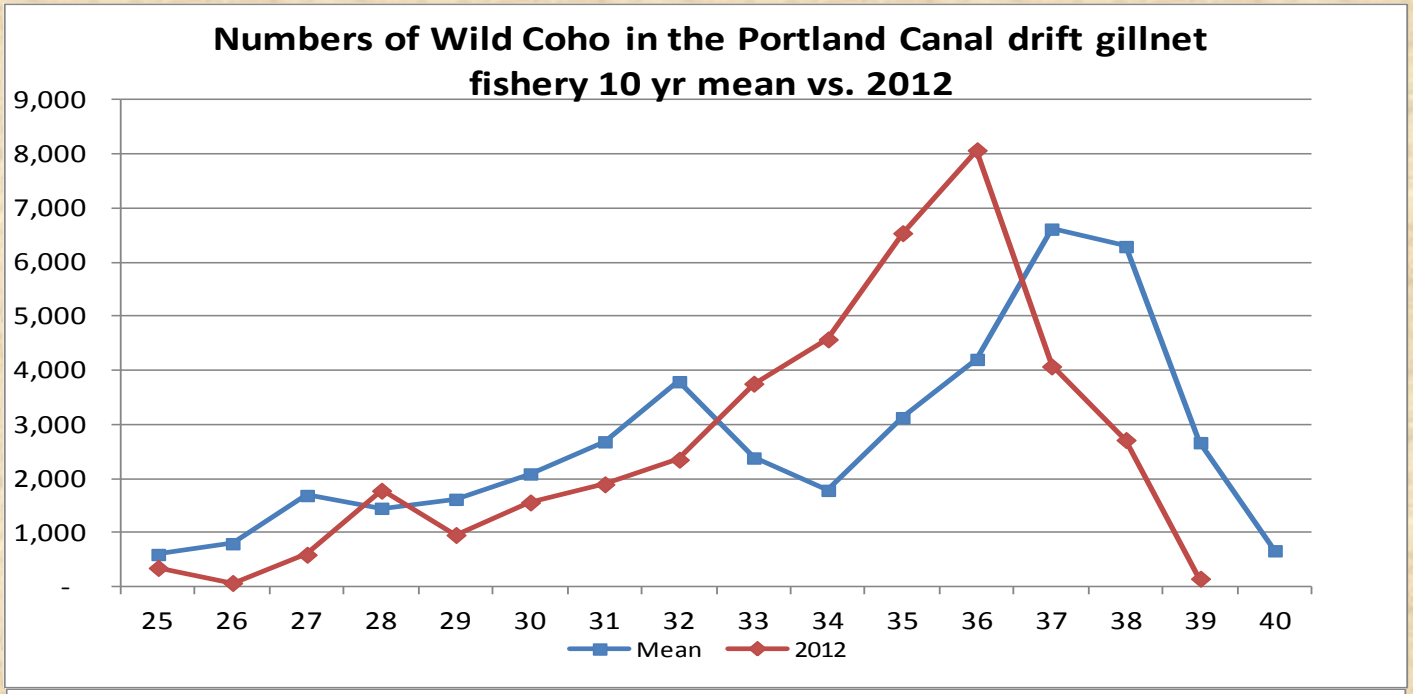
13.8% of AAH of Nass River Sockeye (AAH=Total return - 200,000 or actual in-river escapement-lowest)

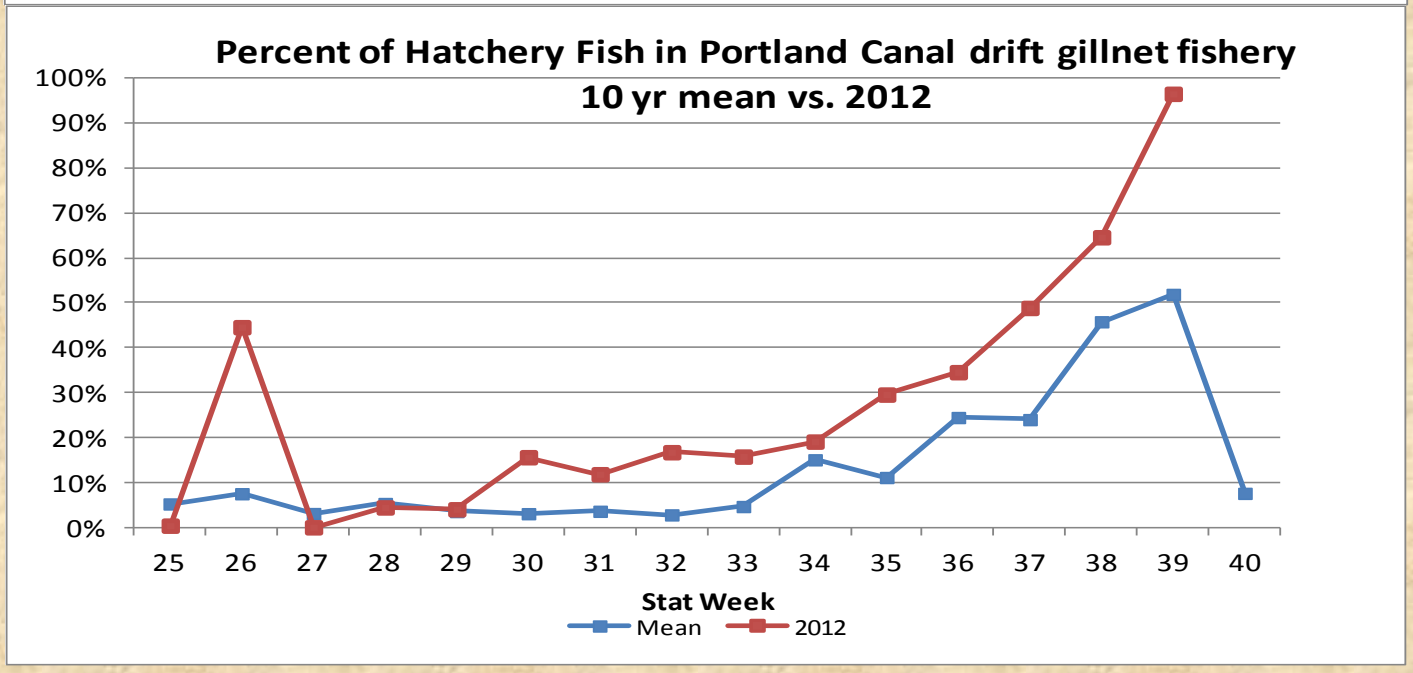
DFO preseason forecast of 446,000 Nass River sockeye for 2012.

Tree Point Gillnet Treaty Performance since 1999.



2012 Total Tree Point sockeye catch = 62,506


Numbers of Wild Coho in the Portland Canal drift gillnet fishery 10 yr mean vs. 2012
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
-
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
Mean
2012


Percent of Hatchery Fish in Portland Canal drift gillnet fishery 10 yr mean vs. 2012
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
Stat Week
Mean
2012

Peak coho salmon survey counts for 14 index streams in the Ketchikan area and total adult coho salmon escapement to Hugh Smith Lake. Combined survey count is the sum of counts and interpolated values. Interpolated values are shown in shaded bold.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Average	2012
Herman Creek	75	135	80	88	242	150	510	165	134	115	**160**	85	**100**	157	25
Grant Creek	127	94	110	138	**197**	230	300	**124**	75	55	330	102	**94**	152	60
Eulachon River	657	600	929	1,105	875	801	1,240	190	**298**	570	330	370	350	640	400
Klahini River	150	110	151	20	39	170	360	176	35	25	340	**68**	**75**	132	**175**
Indian River	356	380	1,140	940	690	935	890	280	245	1,250	750	880	175	685	170
Barrier Creek	25	72	**212**	70	57	250	190	30	15	23	110	90	**87**	95	40
King Creek	627	620	891	700	1,140	640	810	405	290	420	1,050	570	110	636	**680**
Choca Creek	225	180	450	220	380	180	270	130	210	100	100	190	85	209	110
Carroll River	425	275	173	270	**427**	455	500	**272**	**171**	**613**	1,100	**202**	**225**	393	330
Blossom River	598	1,354	1,561	1,359	1,940	1,005	3,680	2,300	990	7,100	**1,041**	350	1,235	1,886	2,400
Keta River	1,895	1,619	**1,612**	1,368	1,934	1,200	3,290	645	970	**2,524**	315	550	**739**	1,435	3,300
Marten River	1,518	1,421	1,956	2,302	1,980	1,835	1,130	335	351	925	1,675	350	350	1,241	2,650
Humpback Creek	520	102	506	2,004	214	1,230	500	260	3	2,600	700	200	850	745	360
Tombstone River	840	1,672	**1,704**	1,639	1,745	823	1,170	1,600	**701**	360	225	**650**	**726**	1,066	1,250
Combined Survey Count	8,038	8,634	11,475	12,223	11,859	9,904	14,840	6,912	4,488	16,680	8,226	4,656	5,202	9,472	11,950
Hugh Smith Lake (weir & m/r)	1,246	600	1,580	3,291	1,510	840	1,732	891	1,244	1,741	2,281	2,878	2,137	1,690	1,908

2012 Annette Island Harvest

Drift Gillnet

Stat Week	Chinook	Sockeye	Coho	Pink	Chum
24	30	297	29	18	681
25	337	1,819	107	359	8,844
26	282	4,436	311	5,283	39,898
27	163	2,353	276	27,111	37,098
28	265	2,732	959	41,301	48,479
29	165	1,314	592	25,458	68,538
30	86	2,240	1,123	38,702	48,596
31	54	1,118	1,772	64,736	25,210
32	6	122	238	17,733	2,308
33	6	165	624	44,641	8,662
34	-	57	2,850	18,956	10,275
35	2	22	3,469	21,997	18,454
36	-	1	6,647	2,700	16,262
37	-	-	9,245	-	5,400
38	-	-	4,171	-	2,012
39	-	-	3,911	-	456
40	-	-	1,360	-	165
TOTAL	**1,396**	**16,676**	**37,684**	**308,995**	**341,338**

Purse Seine

26	39	637	86	1,305	25,730
27	19	1,723	298	11,109	25,474
28	3	258	119	9,317	1,937
29	58	917	692	53,036	35,886
30	78	728	650	67,494	11,659
31	22	467	353	102,906	5,570
32	5	263	298	66,158	1,109
33	1	326	594	120,572	2,472
34	-	87	858	48,347	12,193
35	-	9	554	18,638	4,208
36	-	-	14	-	274
37	-	-	-	-	-
38	-	-	-	-	-
39	-	-	174	-	9
40	-	-	-	-	-
TOTAL	**225**	**5,415**	**4,690**	**498,882**	**126,521**

Total Net Harvest	**1,621**	**22,091**	**42,374**	**807,877**	**467,859**

The Troll harvest is minimal.