

Section 1-B Drift Gillnet

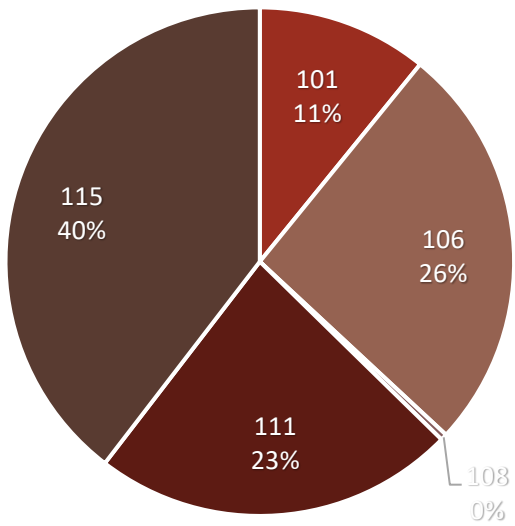
2021 POST SEASON REVIEW

WHITNEY CRITTENDEN & JUSTIN BREESE

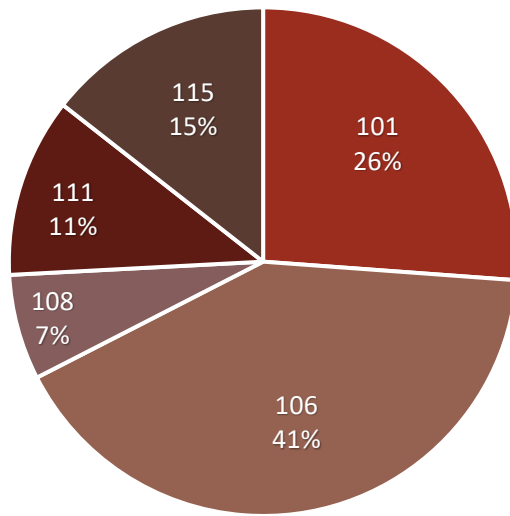


2021 SEAK Gillnet Harvest by District

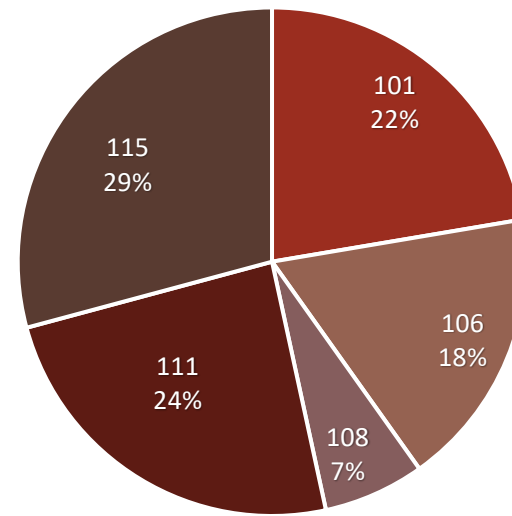
Sockeye Harvest by District



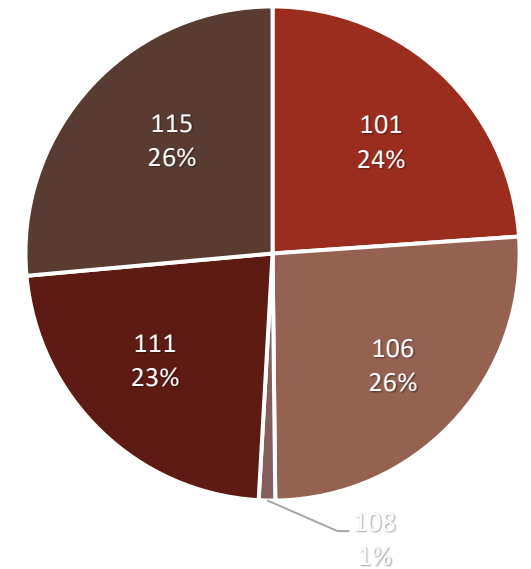
Coho Harvest by District



Pink Harvest by District

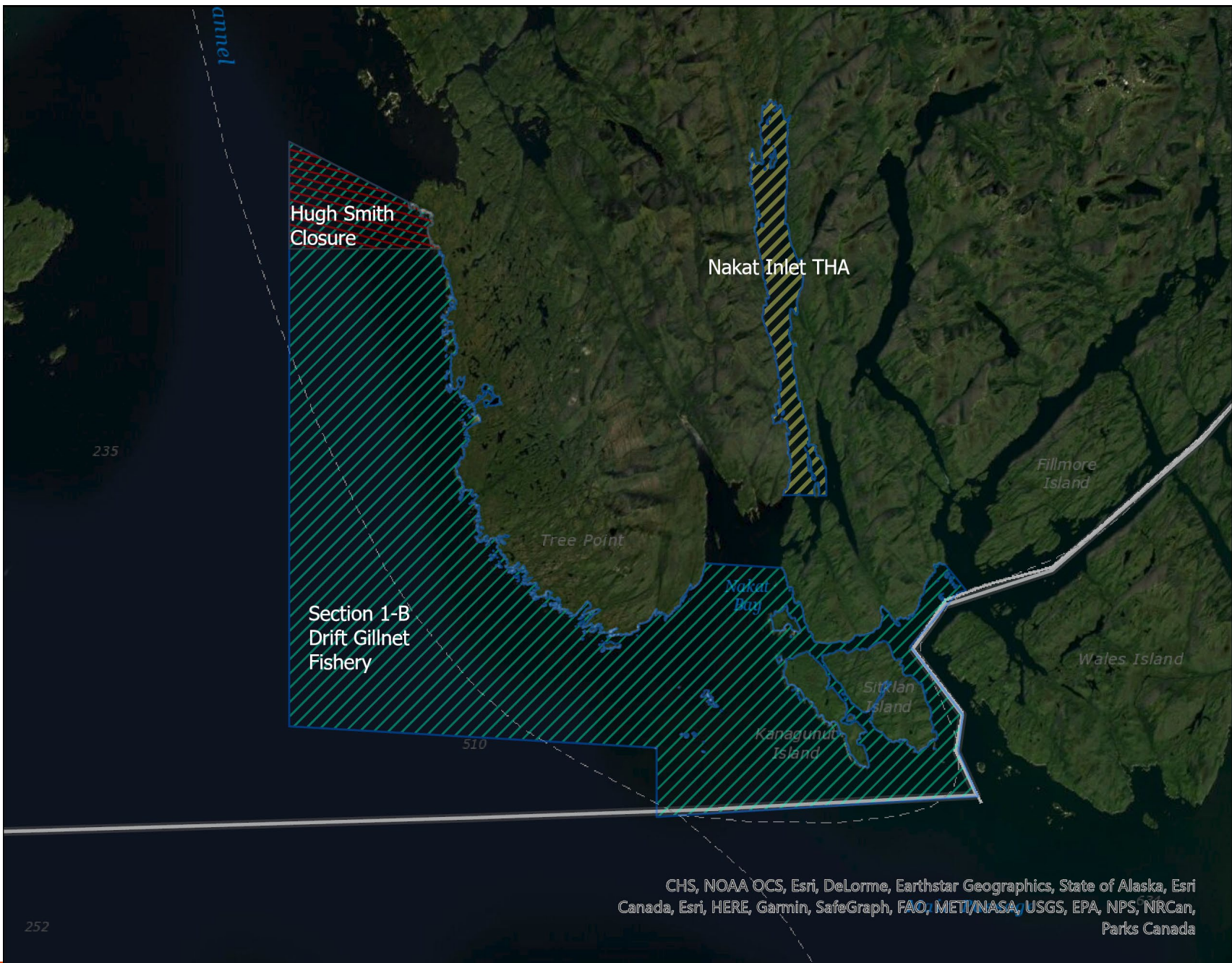


Chum Harvest by District



Fishery	Chinook	Sockeye	Coho	Pink	Chum	Totals
Section 1-B GN	1,892	21,577	47,362	144,365	171,272	386,468
District 1 PS	9	94,591	54,394	9,854,467	200,944	10,204,405
District 2 PS	-	69,461	54,035	7,741,394	435,263	8,300,153
District 3 PS	49	28,229	29,347	4,129,189	154,006	4,340,820
District 4 PS	6,516	496,404	97,575	10,746,081	212,045	11,558,621
Neets Bay THA GN	2,354	-	1	3	123	2,481
Neets Bay THA PS	3,712	14	10	233	2,925	6,894
Nakat THA GN	119	259	6,209	3,915	55,424	65,926
Kendrick THA PS	-	138	651	15,301	11,698	27,788
Carroll THA GN	1,737	-	-	-	13	1,750
Carroll THA PS	1,669	1	1	12	13	1,696
Annette Island GN	819	2,808	14,454	147,514	88,052	253,647
Annette Island PS	478	10,516	9,188	2,584,339	46,151	2,650,672
Totals	19,354	723,998	313,227	35,366,813	1,377,929	37,801,321

Ketchikan Net Harvest – 2021



CHS, NOAA OCS, Esri, DeLorme, Earthstar Geographics, State of Alaska, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

Weekly fishing schedule

2021	SW	SUN	MON	TUE	WED	THU	FRI	SAT	Total hours
Jun	23			1	2	3	4	5	
	24	6	7	8	9	10	11	12	
	25	13	14	15	16	17	18	19	
	26	20	21	22	23	24	25	26	96
	27	27	28	29	30				96

2021	SW	SUN	MON	TUE	WED	THU	FRI	SAT	Total hours
Jul	27					1	2	3	96
	28	4	5	6	7	8	9	10	96
	29	11	12	13	14	15	16	17	96
	30	18	19	20	21	22	23	24	96
	31	25	26	27	28	29	30	31	120

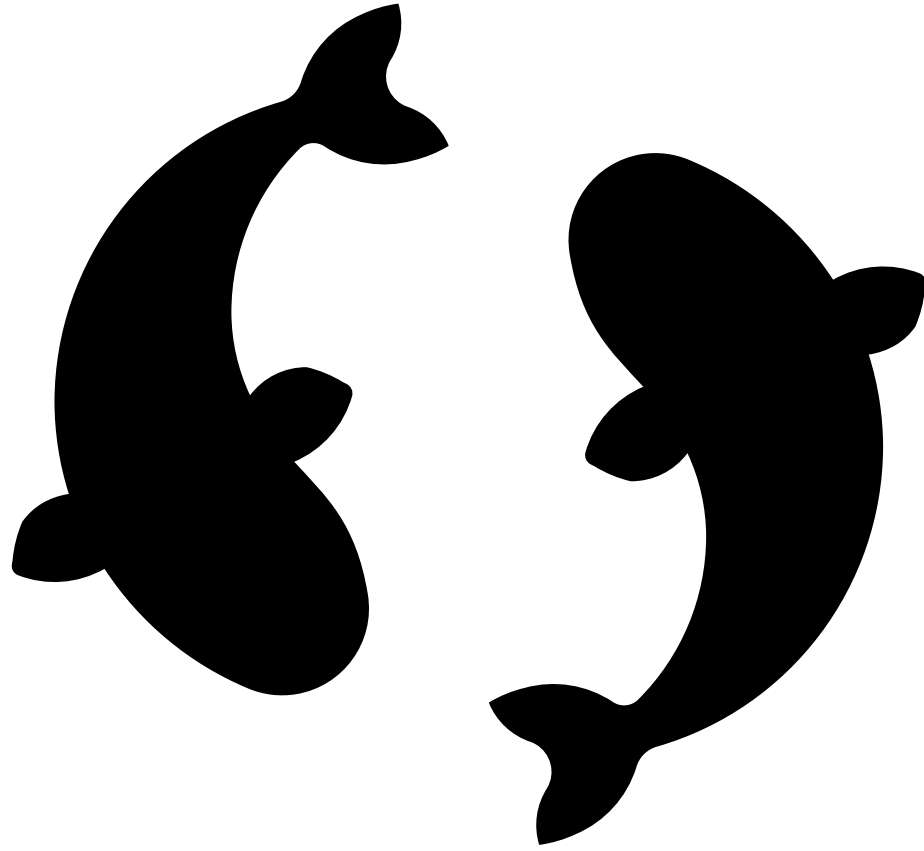
2021	SW	SUN	MON	TUE	WED	THU	FRI	SAT	Total hours
Aug	32	1	2	3	4	5	6	7	120
	33	8	9	10	11	12	13	14	120
	34	15	16	17	18	19	20	21	120
	35	22	23	24	25	26	27	28	120
	36	29	30	31					120

2021	SW	SUN	MON	TUE	WED	THU	FRI	SAT	Total hours
Sep	36				1	2	3	4	120
	37	5	6	7	8	9	10	11	96
	38	12	13	14	15	16	17	18	96
	39	19	20	21	22	23	24	25	96
	40	26	27	28	29	30			96

Section 1-B Annual Harvest by Opening

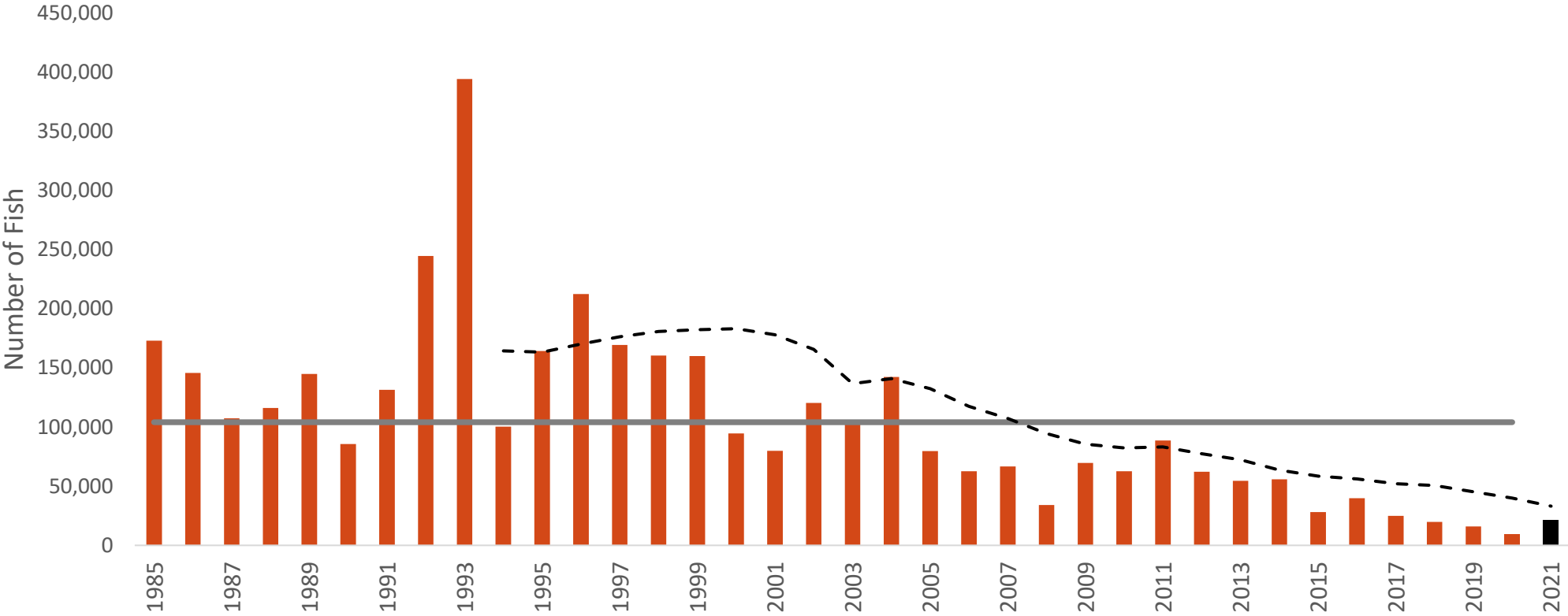
	Opening	Chinook	Sockeye	Coho	Pink	Chum	Boats	Hours
Sockeye & chum mgmt	26	390	487	150	269	3,869	26	96
	27	549	2,348	723	2,841	13,828	32	96
	28	406	2,984	894	4,673	27,368	38	96
	29	279	2,240	1,358	11,700	34,936	42	96
Pink salmon mgmt	30	111	3,567	1,373	23,558	27,727	43	96
	31	48	3,158	2,193	16,067	20,414	35	120
	32	67	1,632	4,965	29,189	16,342	36	120
	33	18	2,354	4,138	20,035	8,344	29	120
	34	9	1,003	3,736	15,599	5,428	26	120
	35	5	633	4,727	12,751	4,687	27	120
	36	7	1,052	9,717	7,587	5,521	33	120
Fall chum & coho mgmt	37	1	93	5,779	88	1,450	30	96
	38	0	25	6,137	8	1,218	25	96
	39	0	1	1,369	0	128	16	96
	40	2	0	103	0	12	4	96
Total	1,892	21,577	47,362	144,365	171,272	52	1,584	

Sockeye harvest ranked 34 of 37 for treaty period

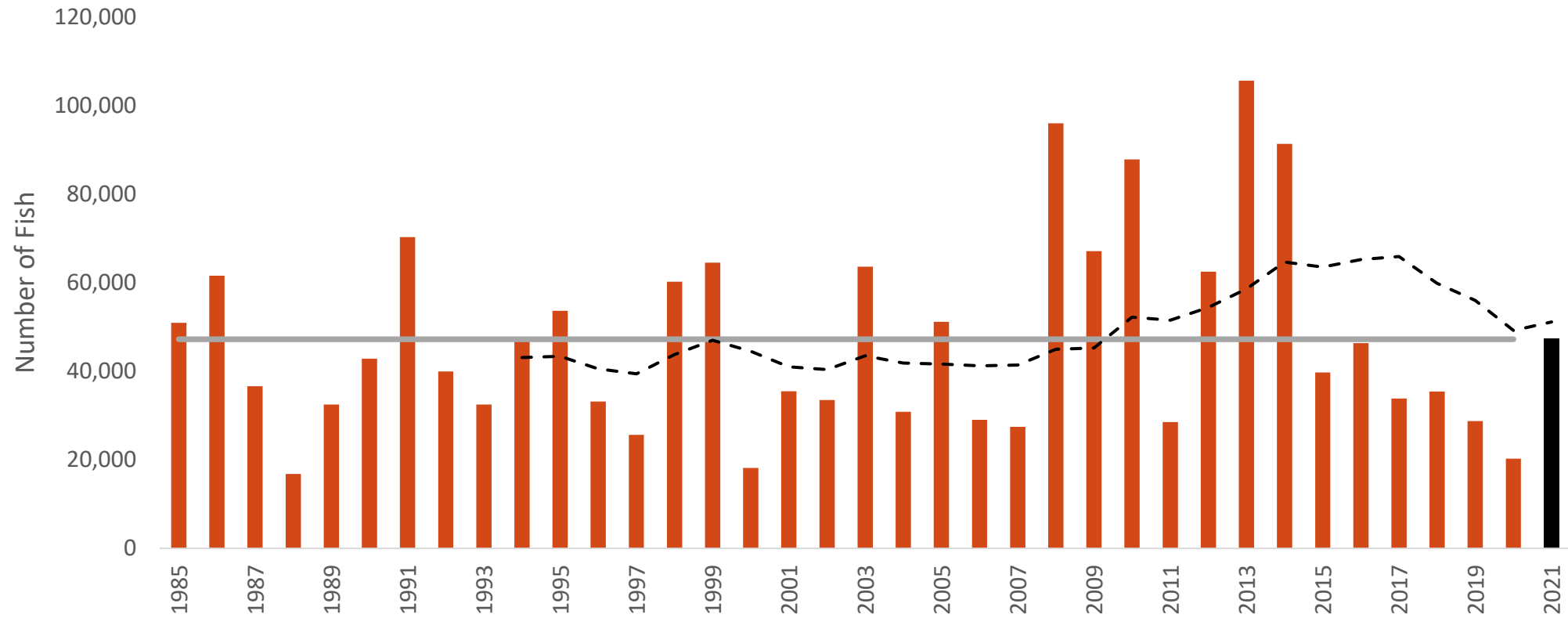


2021
Section 1-B
Annual
Harvest by
Species

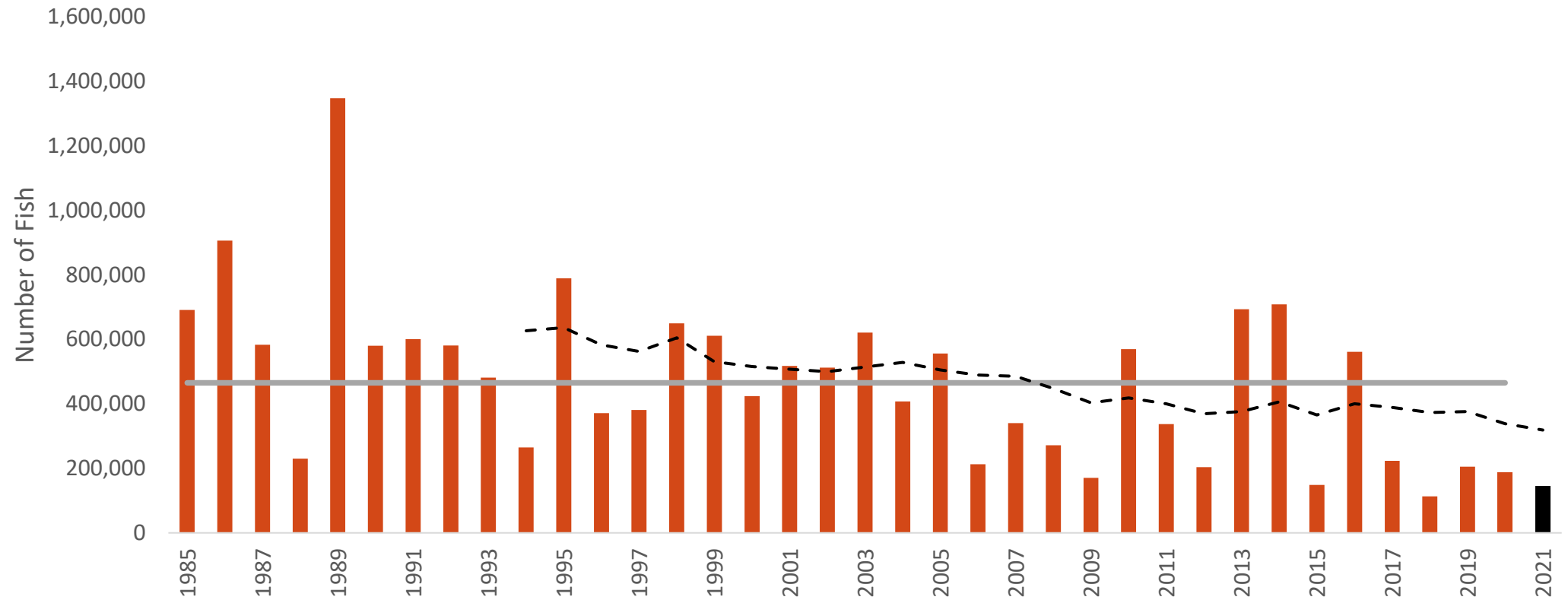
Section 1-B Gillnet Annual Sockeye Harvest



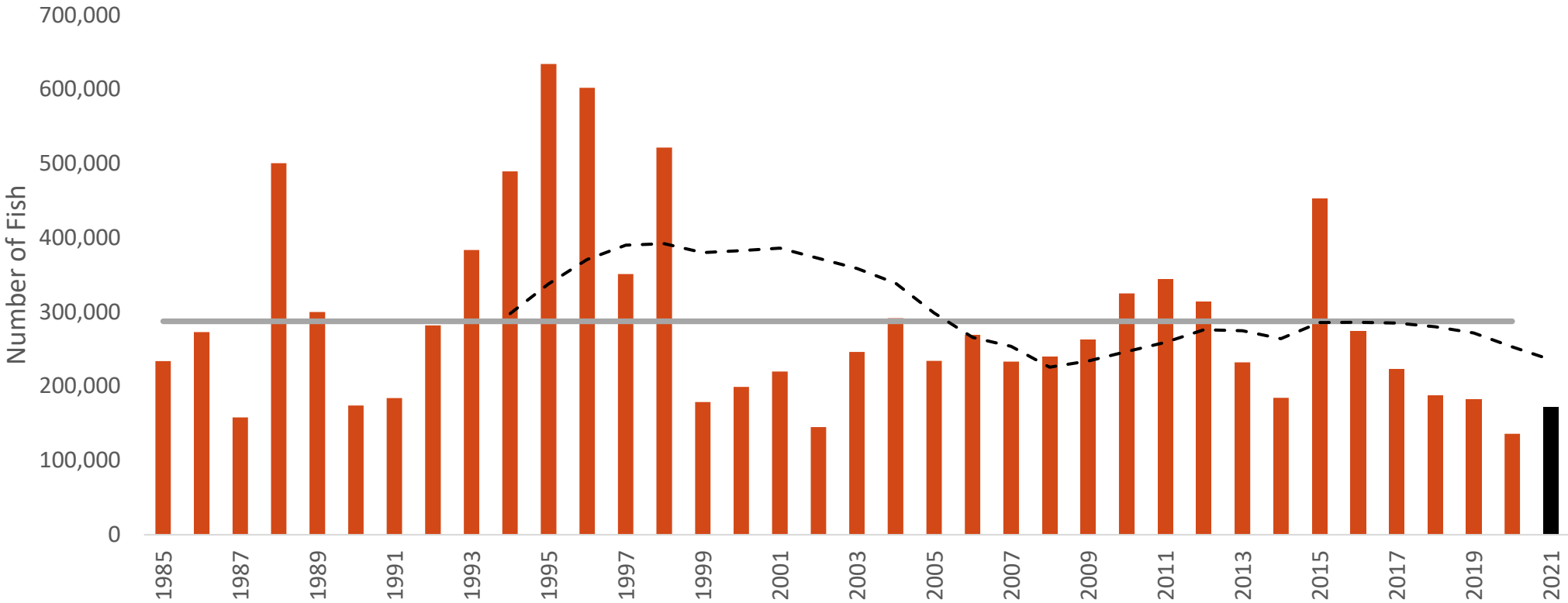
Section 1-B Gillnet Annual Coho Harvest



Section 1-B Gillnet Annual Pink Harvest

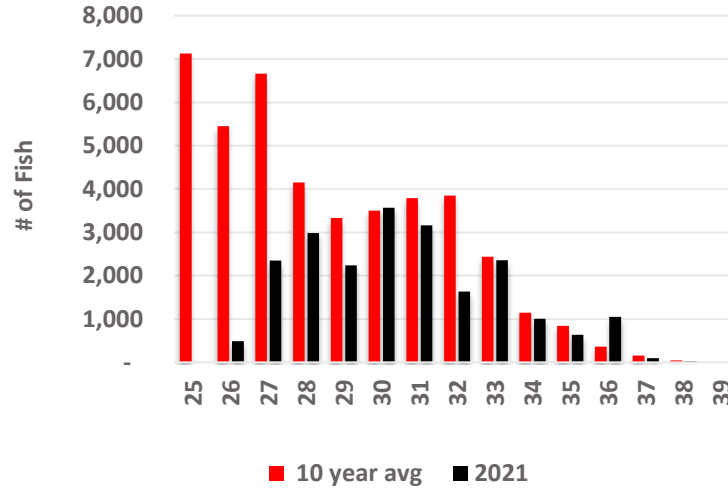


Section 1-B Gillnet Annual Chum Harvest

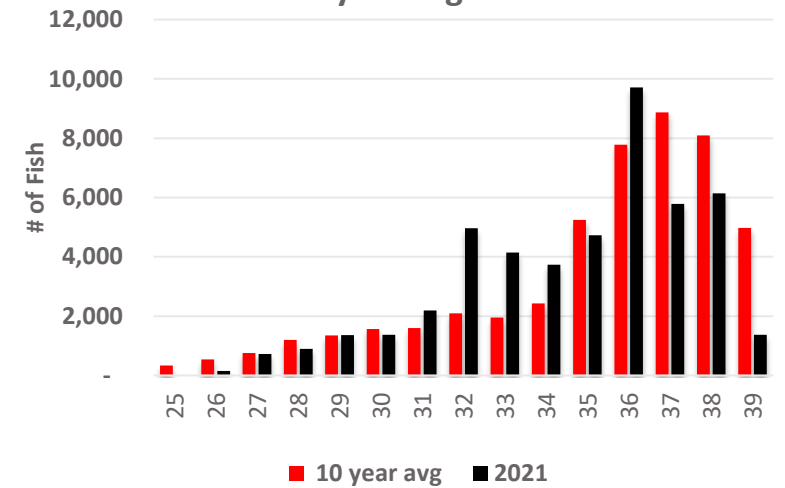


2021 Section 1-B Drift Gillnet – Weekly Harvest

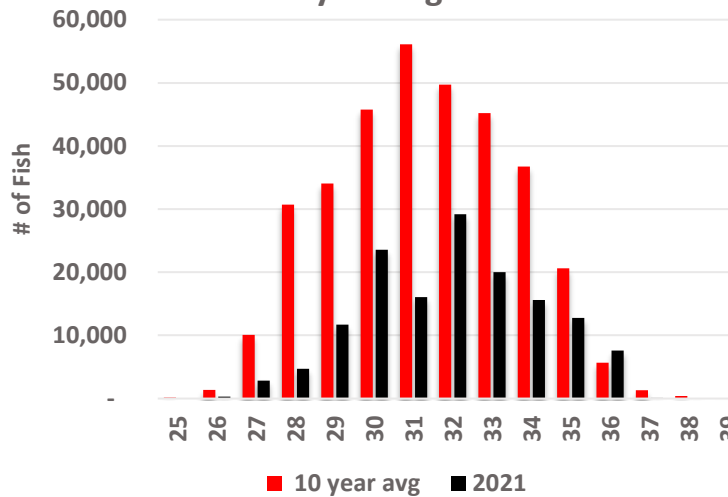
Section 1-B Weekly Sockeye Harvest
10 year avg vs 2021



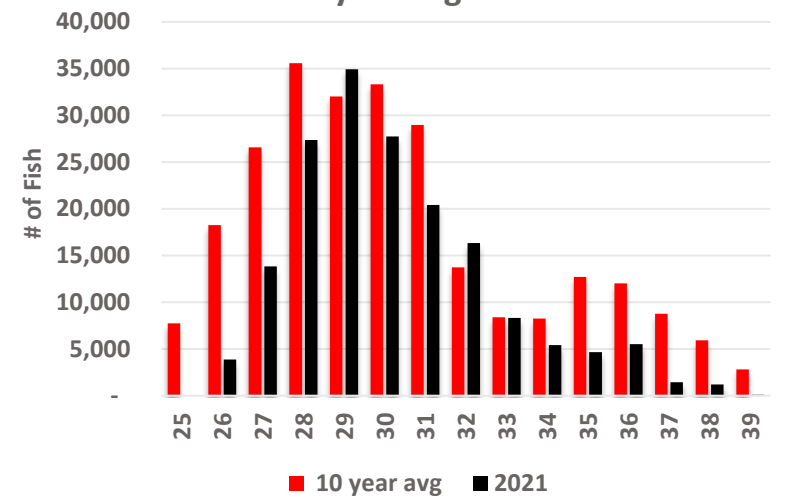
Section 1-B Weekly Coho Harvest
10 year avg vs 2021



Section 1-B Weekly Pink Harvest
10 year avg vs 2021

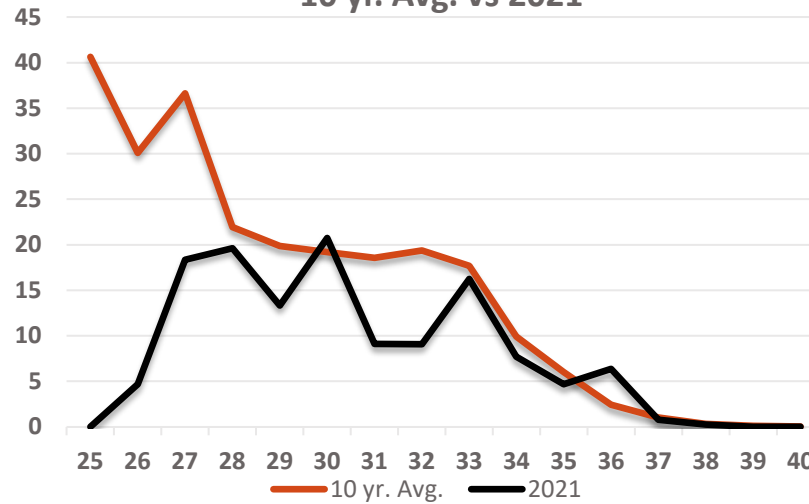


Section 1-B Weekly Chum Harvest
10 year avg vs 2021

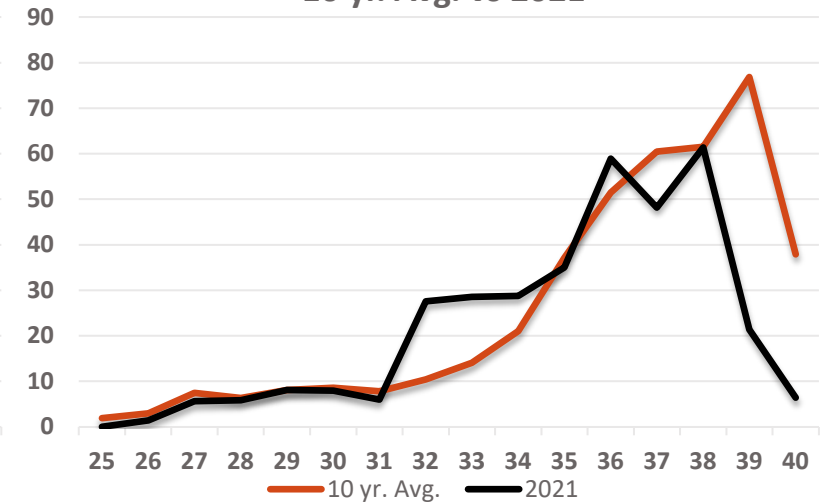


2021 Section 1-B Average Harvest per Boat per Day

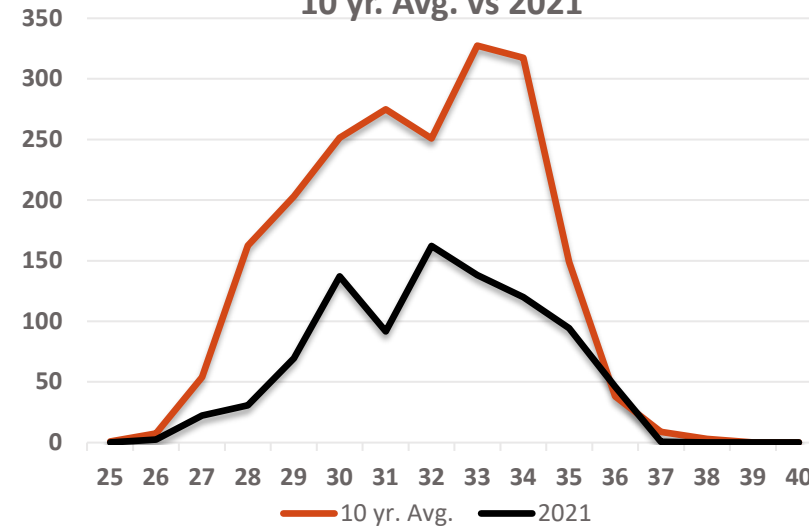
Sockeye - CPUE
10 yr. Avg. vs 2021



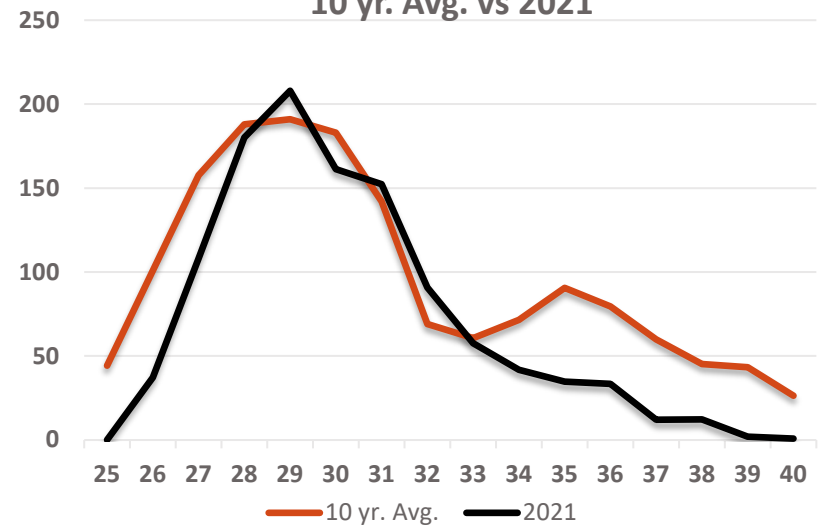
Coho - CPUE
10 yr. Avg. vs 2021



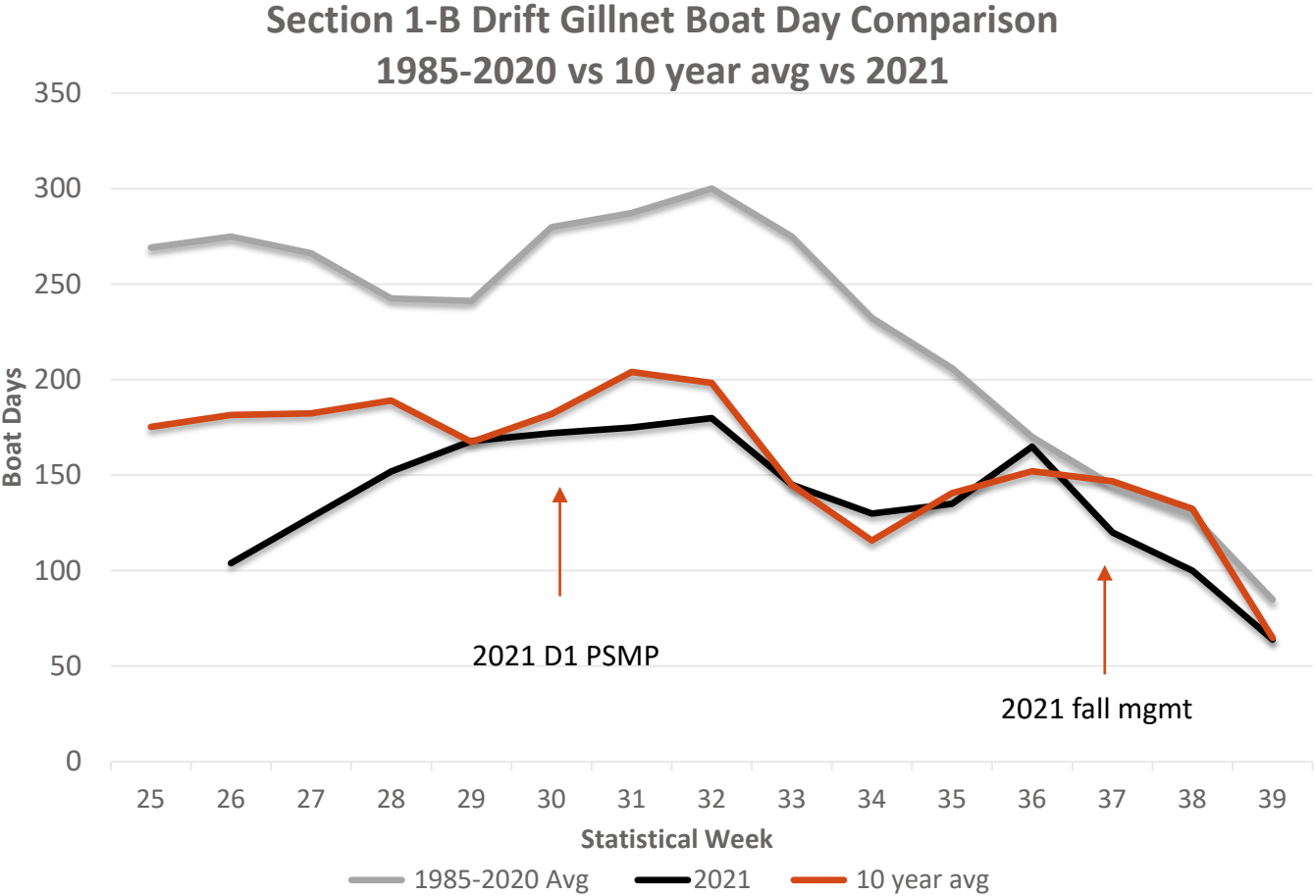
Pink - CPUE
10 yr. Avg. vs 2021



Chum - CPUE
10 yr. Avg. vs 2021



2021 Section 1-B Boat Day Comparison



Nakat Inlet THA (Subdistrict 101-10)

SSRAA Nakat Inlet THA Forecast 2021

321,000 Summer Chum

5,000 Fall Chum

Total Enhanced Nakat Inlet Chum Harvest

Gillnet CP 112,000

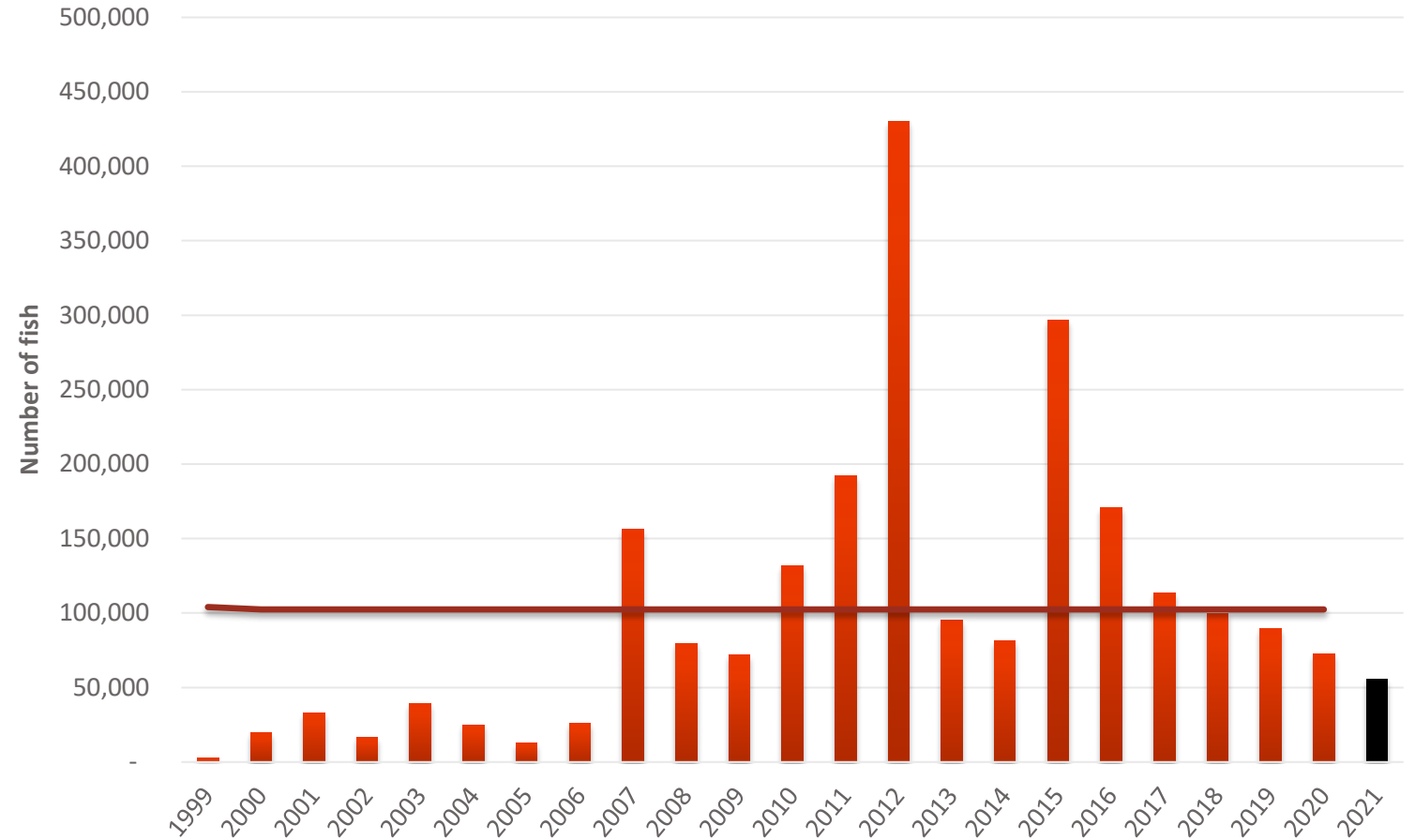
Seine CP 16,000

Gillnet THA 53,000

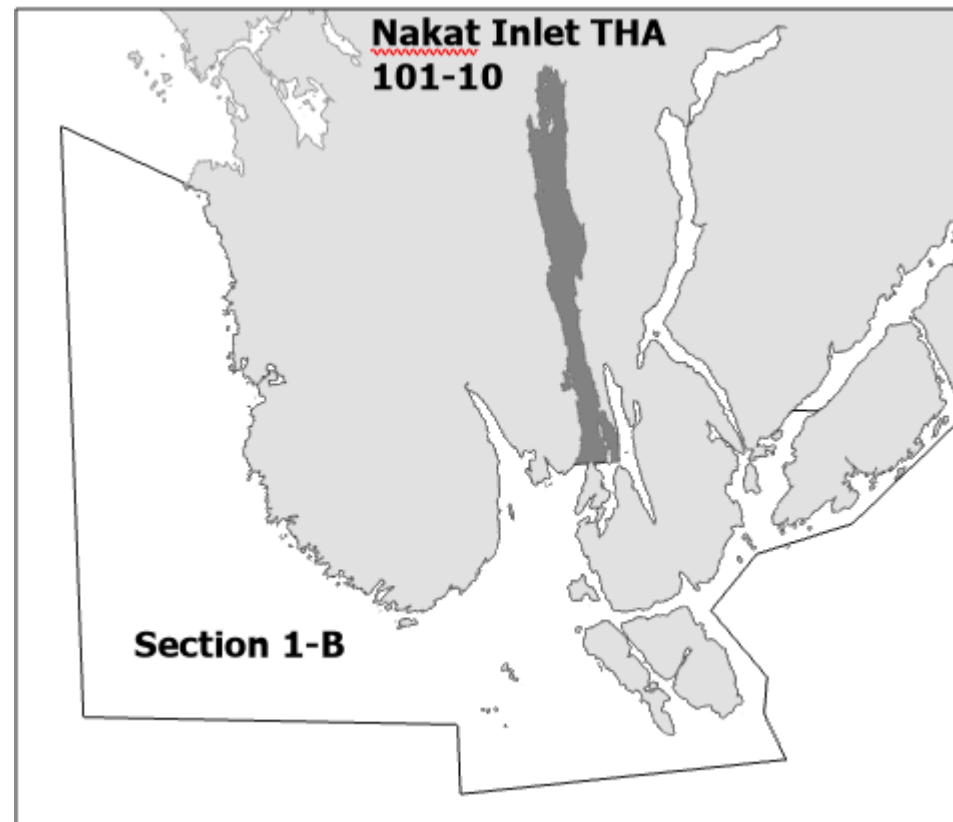
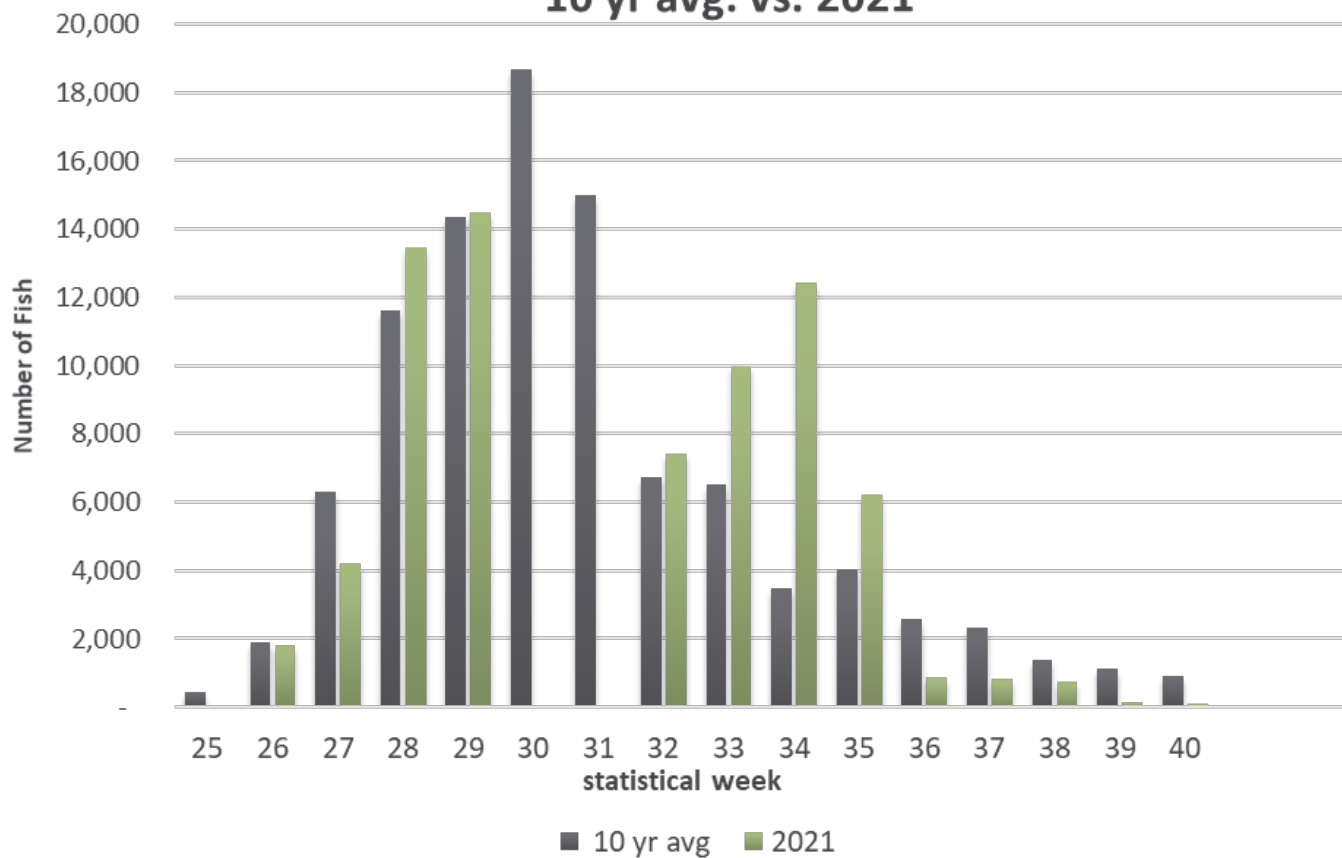
Cost Recovery THA 6,000

Total 187,000

Nakat Inlet THA Drift Gillnet Chum Harvest

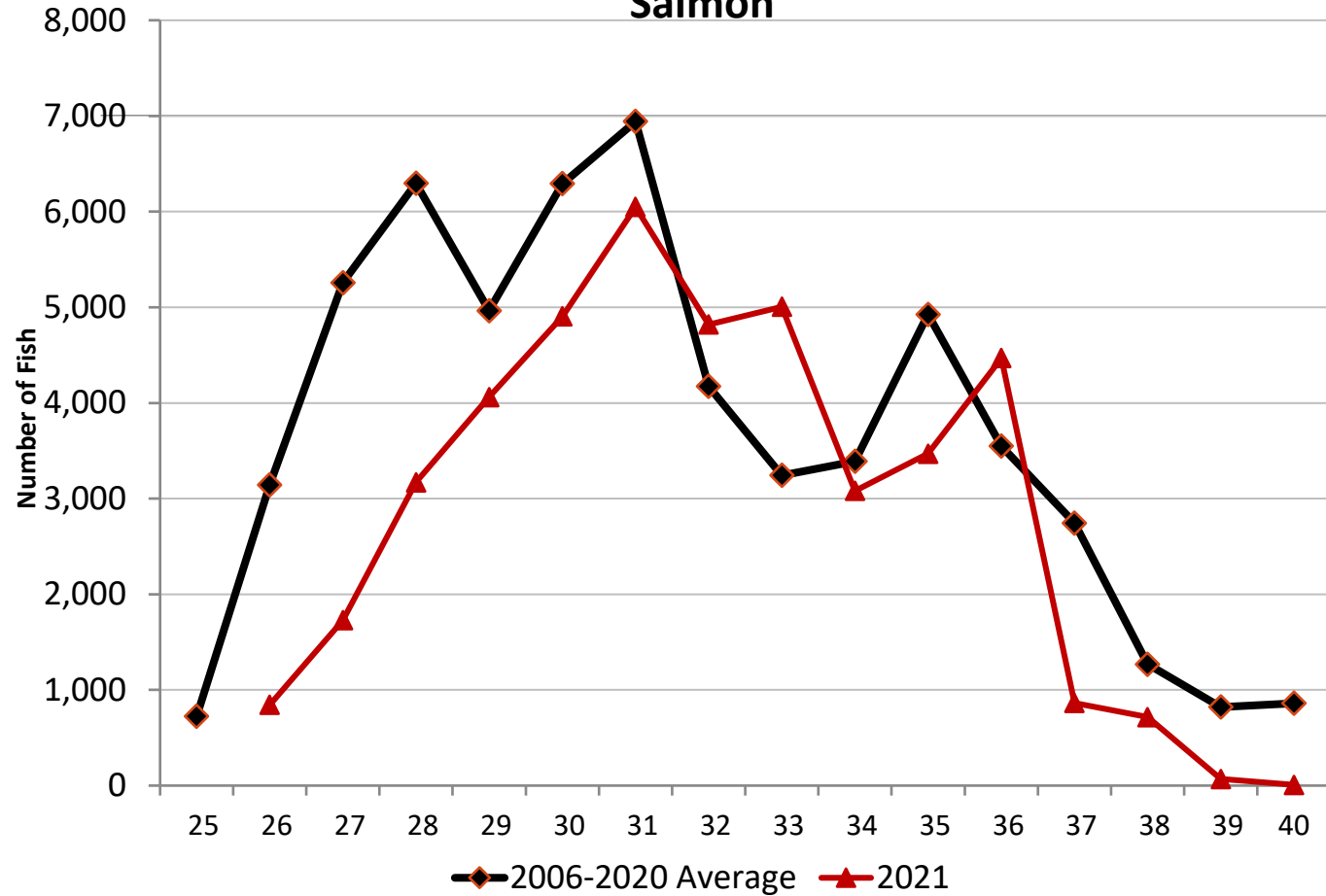


Nakat Inlet THA Gillnet Chum Harvest 10 yr avg. vs. 2021



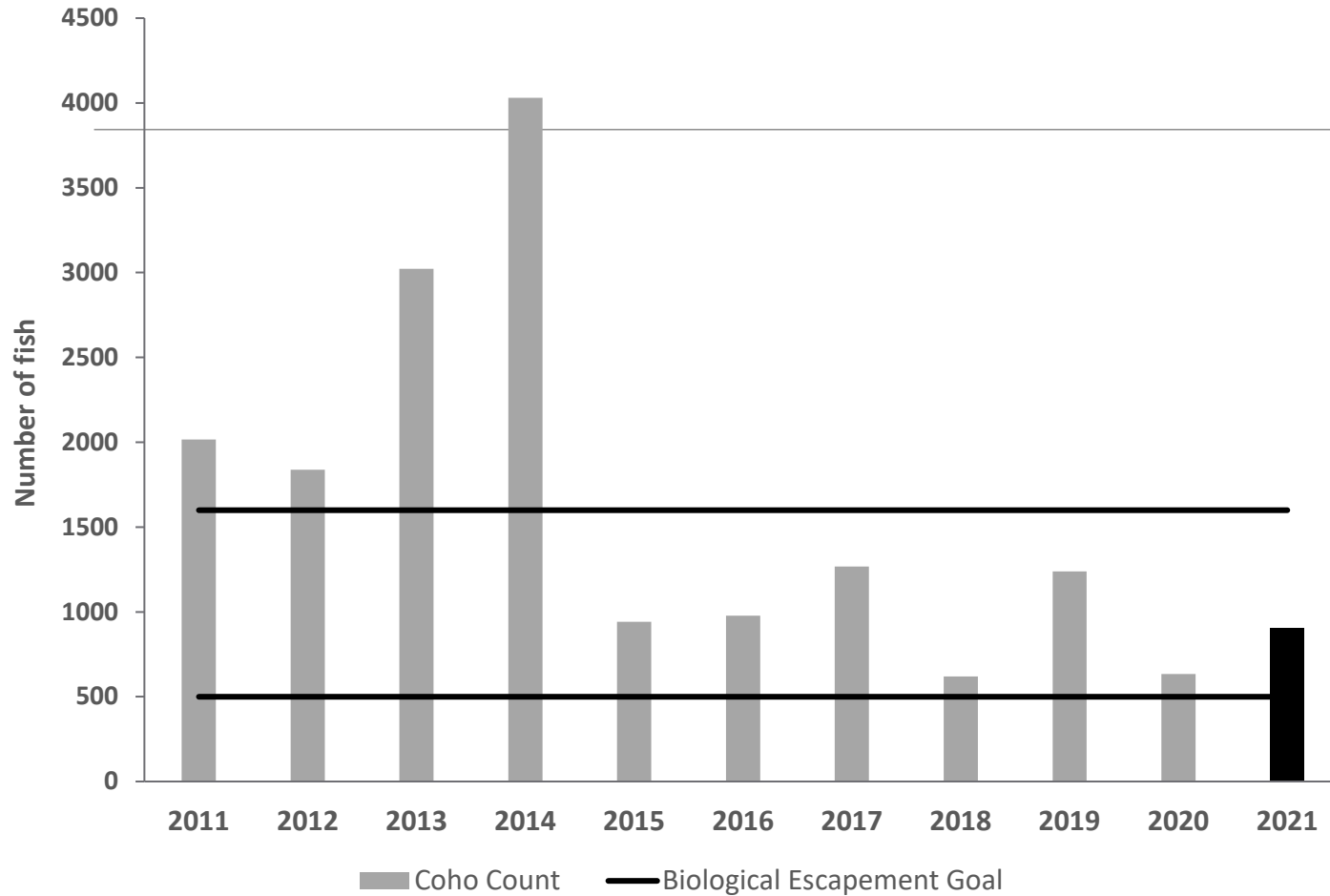
Section 1-B Drift Gillnet - Harvest of Unmarked Chum

Salmon



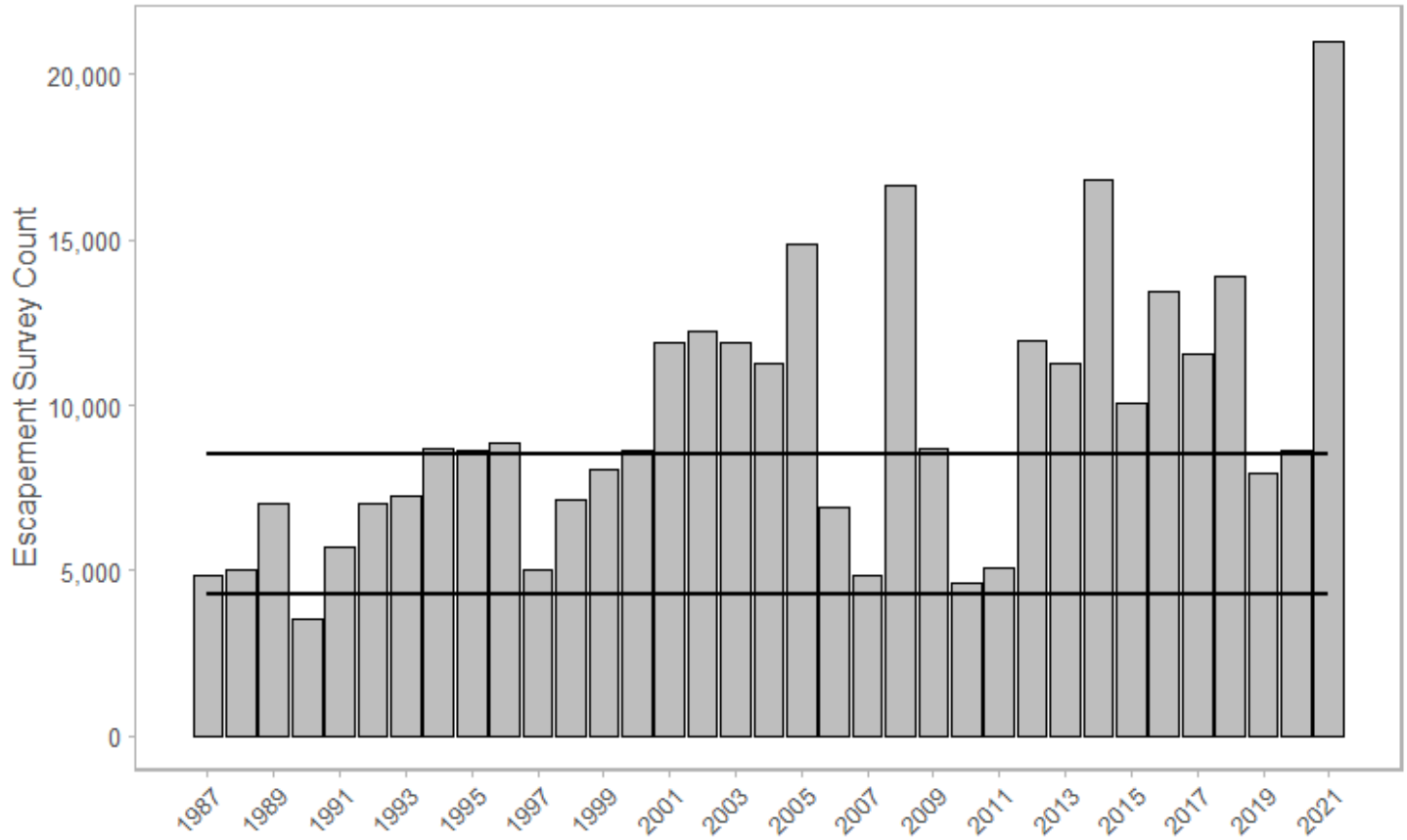
Unmarked
Chum

Hugh Smith Weir Coho Count



Hugh Smith Weir Coho Count

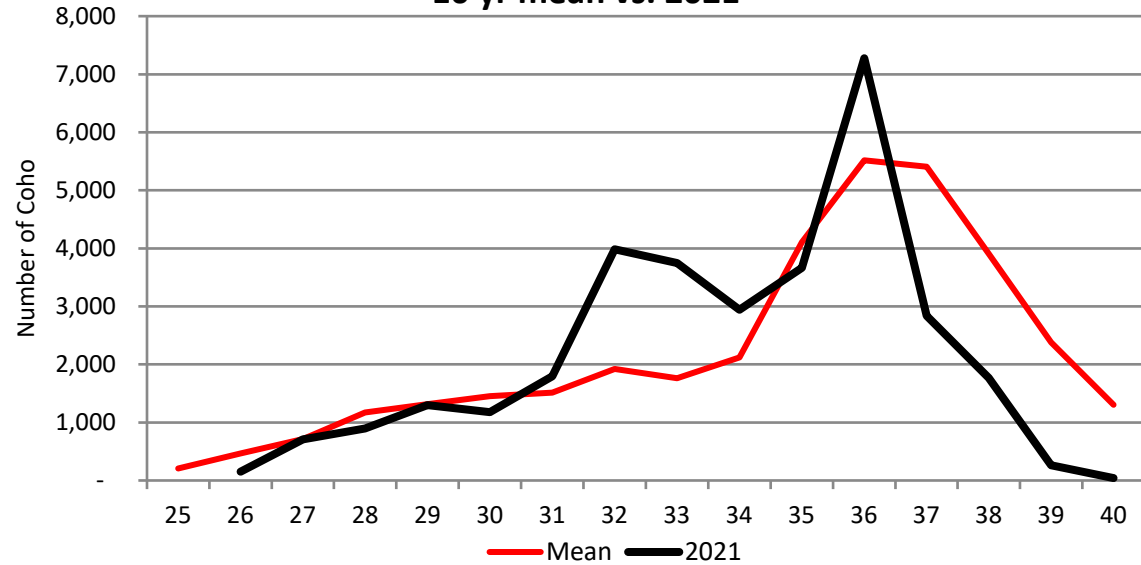
Ketchikan Coho Escapement Survey Index



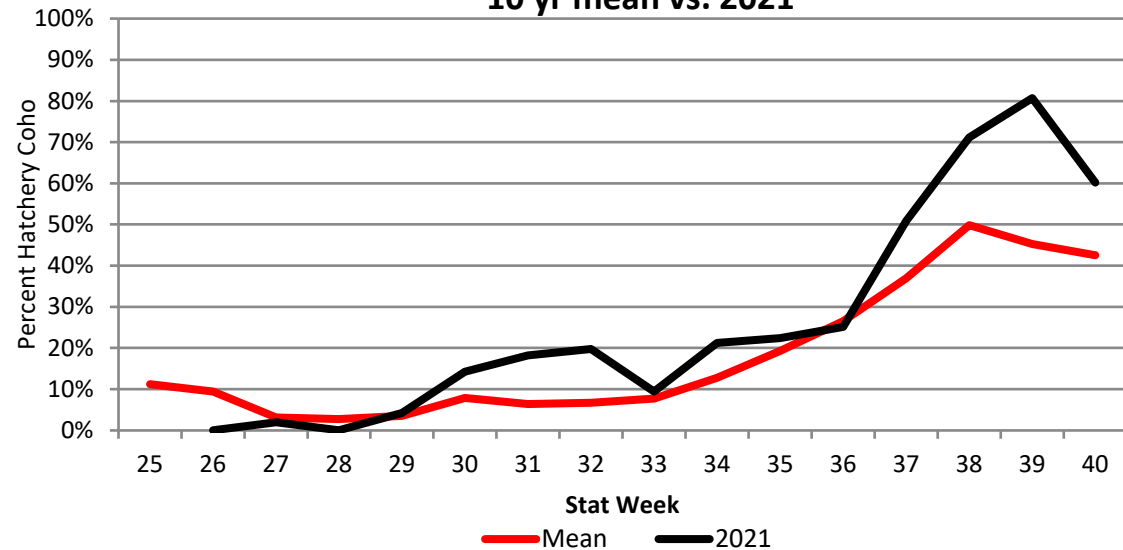
2021 Peak
Coho Salmon
Index Stream
Counts

2021 Section 1-B Wild & Hatchery Coho Contribution

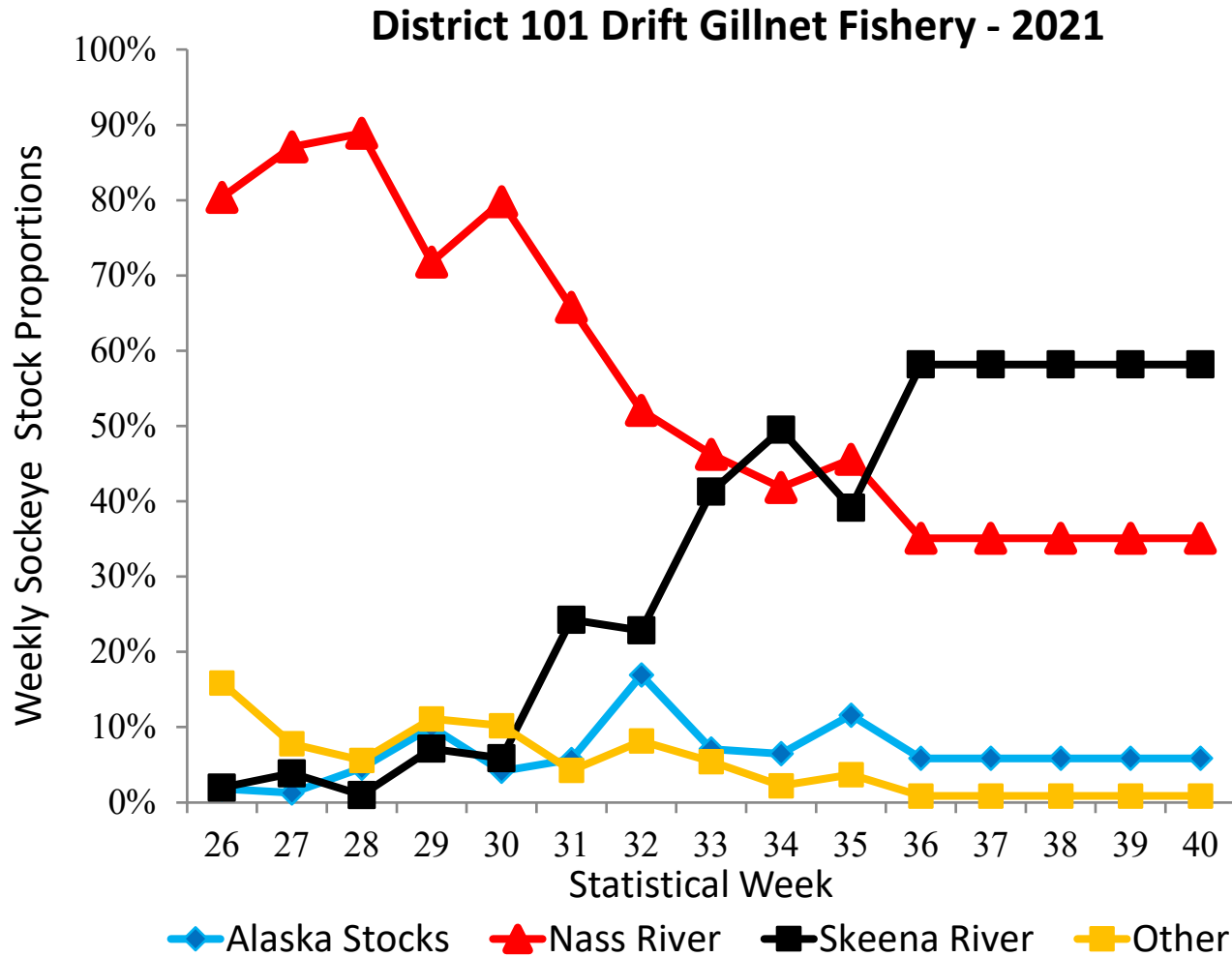
**Section 1-B Drift Gillnet Fishery Wild Coho Harvest
10 yr mean vs. 2021**



**Section 1-B Drift Gillnet Fishery - Percent of Hatchery Coho
10 yr mean vs. 2021**



Weekly Sockeye Stock Composition



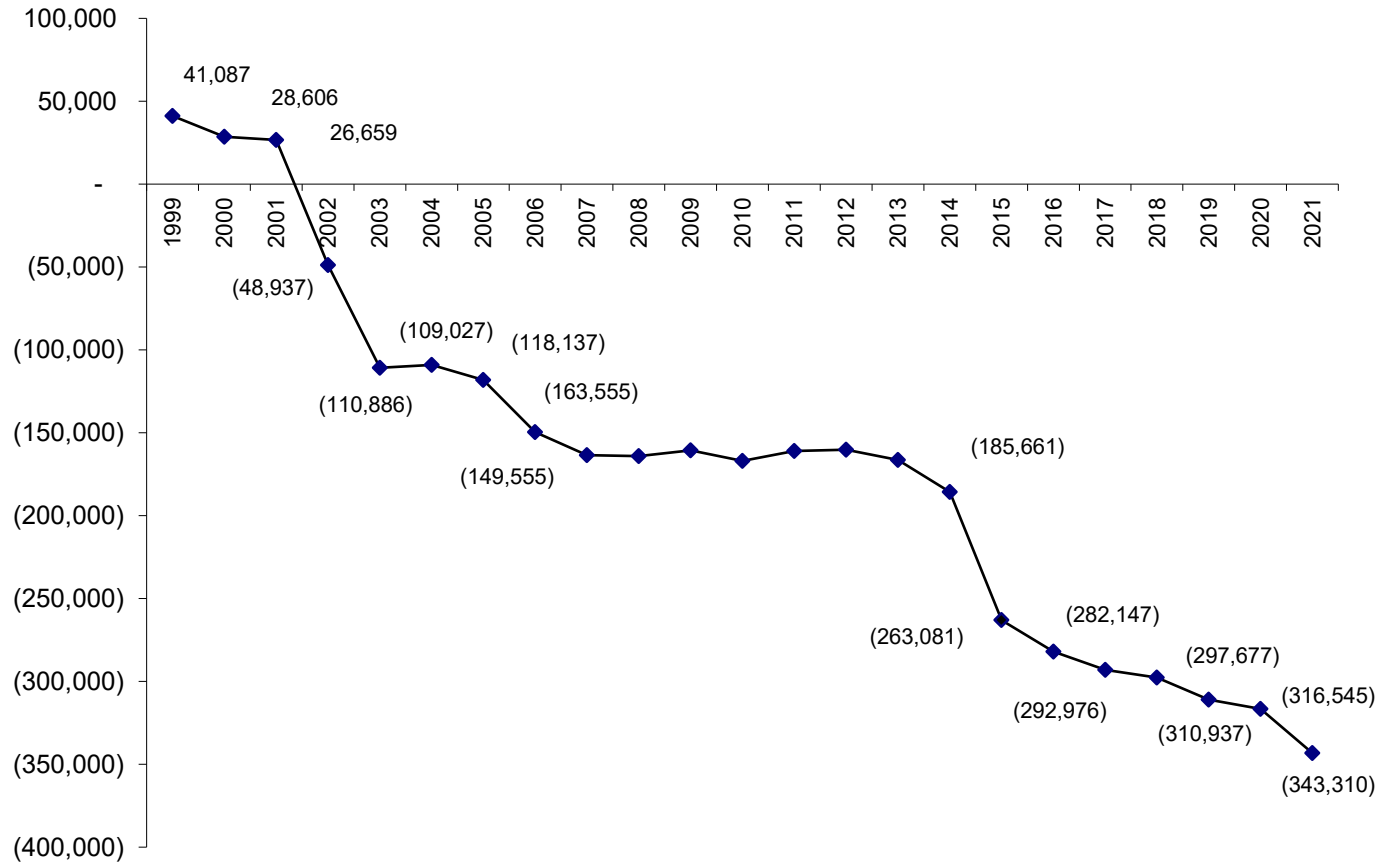
2021 Section 1-B Treaty Performance (preliminary)

	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	625,982	200,000	425,983	58,786	94,651	46,305	(12,481)	28,606
2001	580,611	167,253	413,358	57,043	80,041	55,096	(1,947)	26,659
2002	1,403,975	200,000	1,203,975	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	986,095	200,000	786,095	108,481	142,357	110,340	1,859	(109,027)
2005	666,877	200,000	466,877	64,429	79,725	55,319	(9,110)	(118,137)
2006	775,112	200,000	575,112	79,365	62,770	47,948	(31,417)	(149,555)
2007	602,210	164,747	437,463	60,370	66,822	46,369	(14,001)	(163,555)
2008	380,397	200,000	180,397	24,895	34,113	24,359	(536)	(164,091)
2009	575,336	200,000	375,336	51,796	69,859	55,270	3,474	(160,618)
2010	438,941	200,000	238,941	32,974	62,651	26,613	(6,361)	(166,979)
2011	556,710	200,000	356,710	49,226	88,618	55,122	5,896	(161,083)
2012	476,818	200,000	276,818	38,201	62,342	38,983	782	(160,300)
2013	501,428	200,000	301,428	41,597	54,589	35,471	(6,126)	(166,426)
2014	549,685	200,000	349,685	48,257	55,828	29,022	(19,235)	(185,661)
2015	868,744	200,000	668,744	92,287	28,155	14,867	(77,420)	(263,081)
2016	442,420	200,000	242,420	33,454	39,912	14,388	(19,066)	(282,147)
2017	368,653	200,000	168,653	23,274	25,073	12,445	(10,829)	(292,976)
2018	315,972	200,000	115,972	16,004	19,920	11,303	(4,701)	(297,677)
2019	377,745	200,000	177,745	24,529	15,996	11,269	(13,260)	(310,937)
2020	295,194	200,000	95,194	13,137	9,342	7,528	(5,609)	(316,545)
2021	500,000	200,000	300,000	41,400	21,577	14,635	(26,765)	(343,310)

2021 Section 1-B Treaty Performance Preliminary

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

Treaty Performance - Section 1-B - Cumulative Overage/Underage

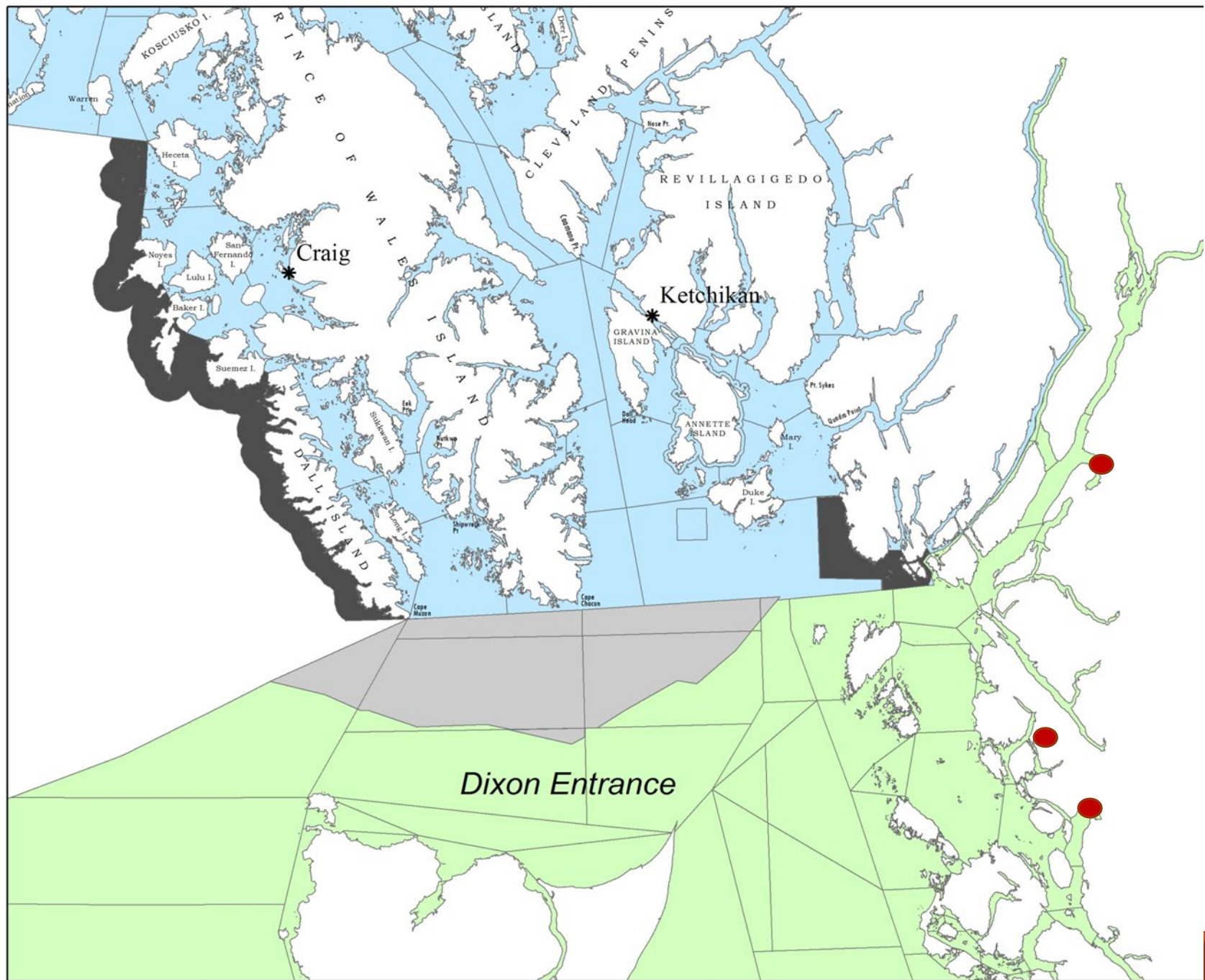


2021 Section
1-B Treaty
Performance
Preliminary



Questions

Alaska's Northern Boundary Fisheries



Harvest as a percentage of the weekly harvest by species Section 1-B
 10-year average

Stat Week	Chinook	Sockeye	Coho	Pink	Chum
25	3%	45%	2%	1%	49%
26	2%	21%	2%	5%	70%
27	1%	15%	2%	23%	60%
28	1%	8%	2%	13%	75%
29	0%	5%	2%	48%	45%
30	0%	4%	2%	54%	40%
31	0%	4%	2%	62%	32%
32	0%	6%	3%	72%	20%
33	0%	4%	3%	78%	14%
34	0%	2%	5%	76%	17%
35	0%	2%	13%	53%	32%
36	0%	1%	30%	22%	46%
37	0%	1%	46%	7%	46%
38	0%	0%	56%	3%	41%
39	0%	0%	64%	0%	36%