

2020 Task Force Meeting

Tessa Frost

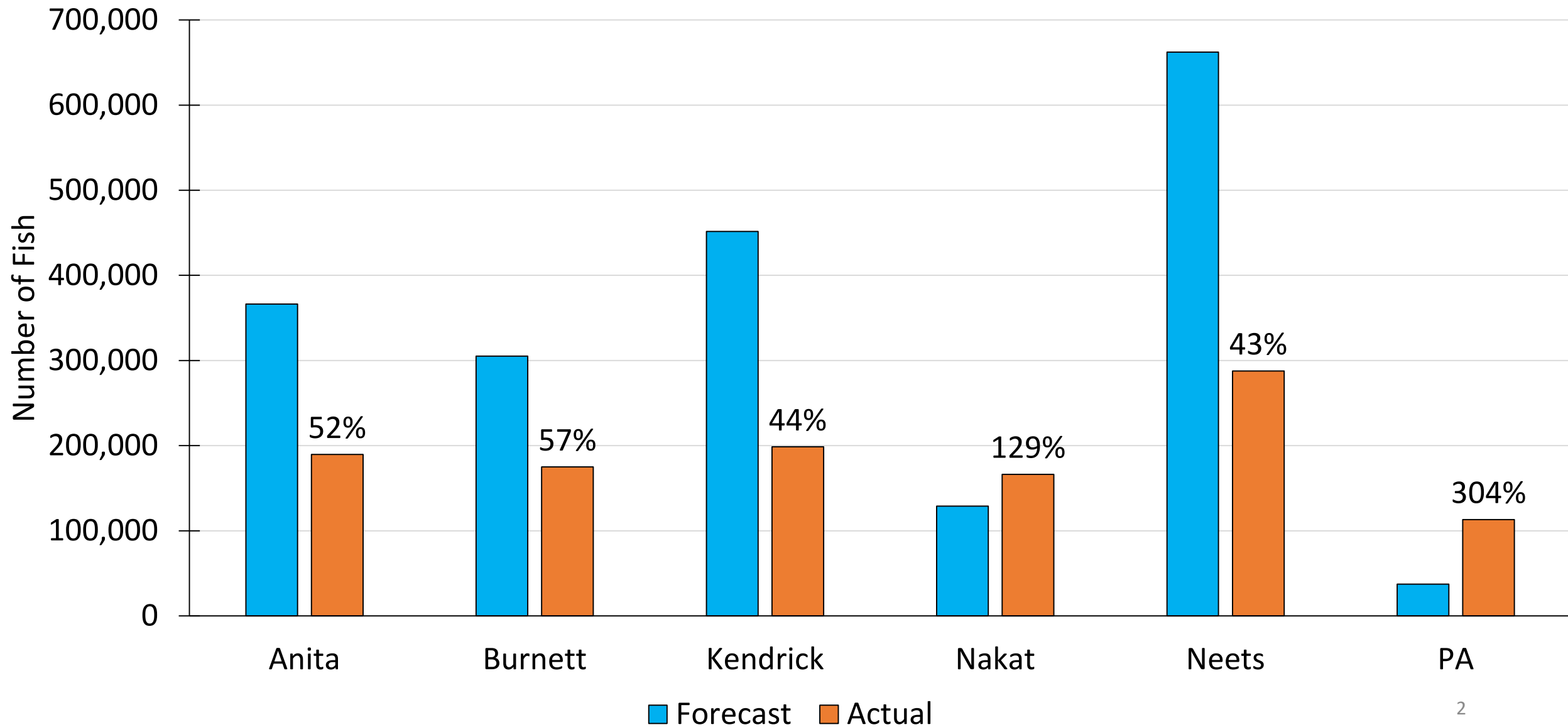
December 2020

tfrost@ssraa.org



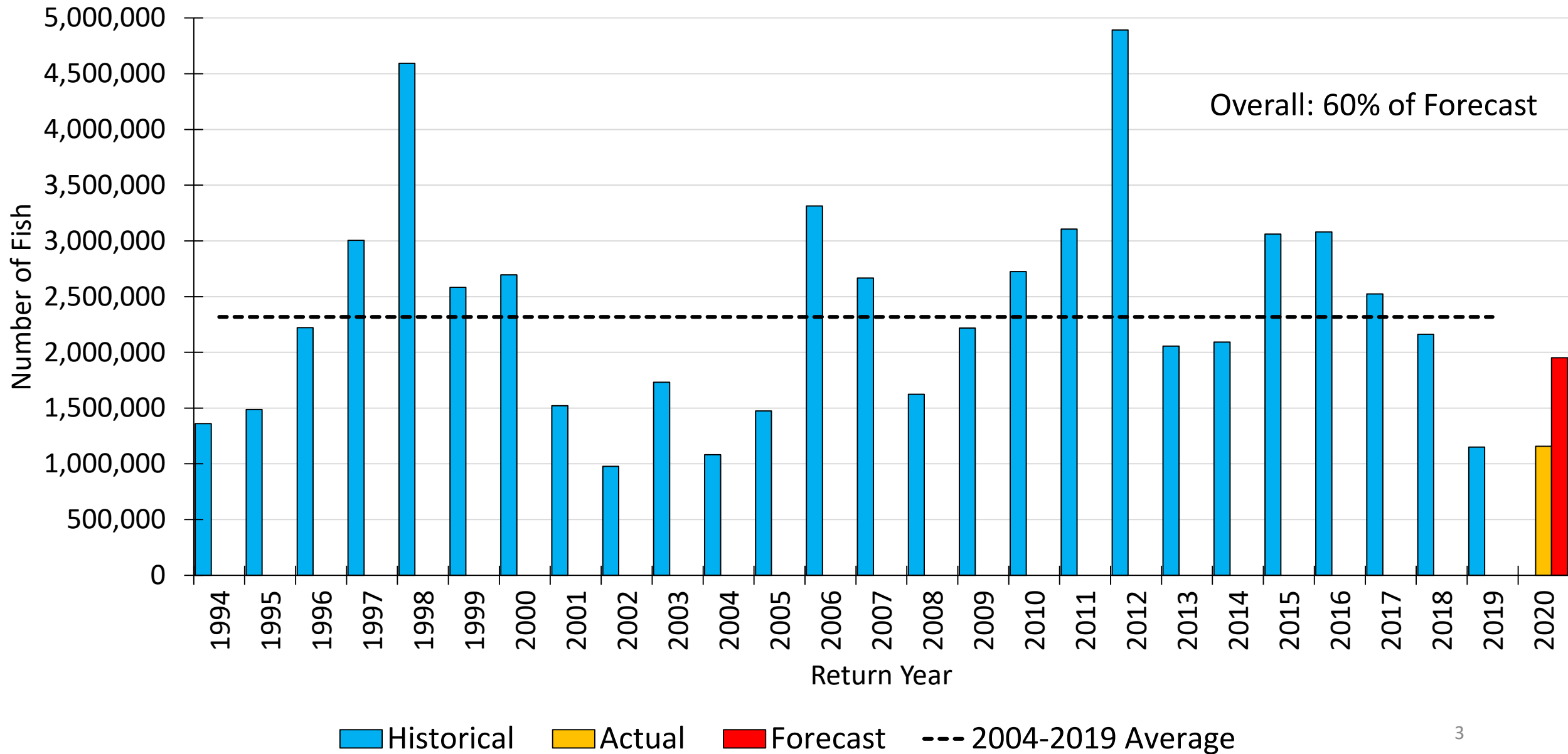


2020 Summer Chum: Forecast vs. Actual



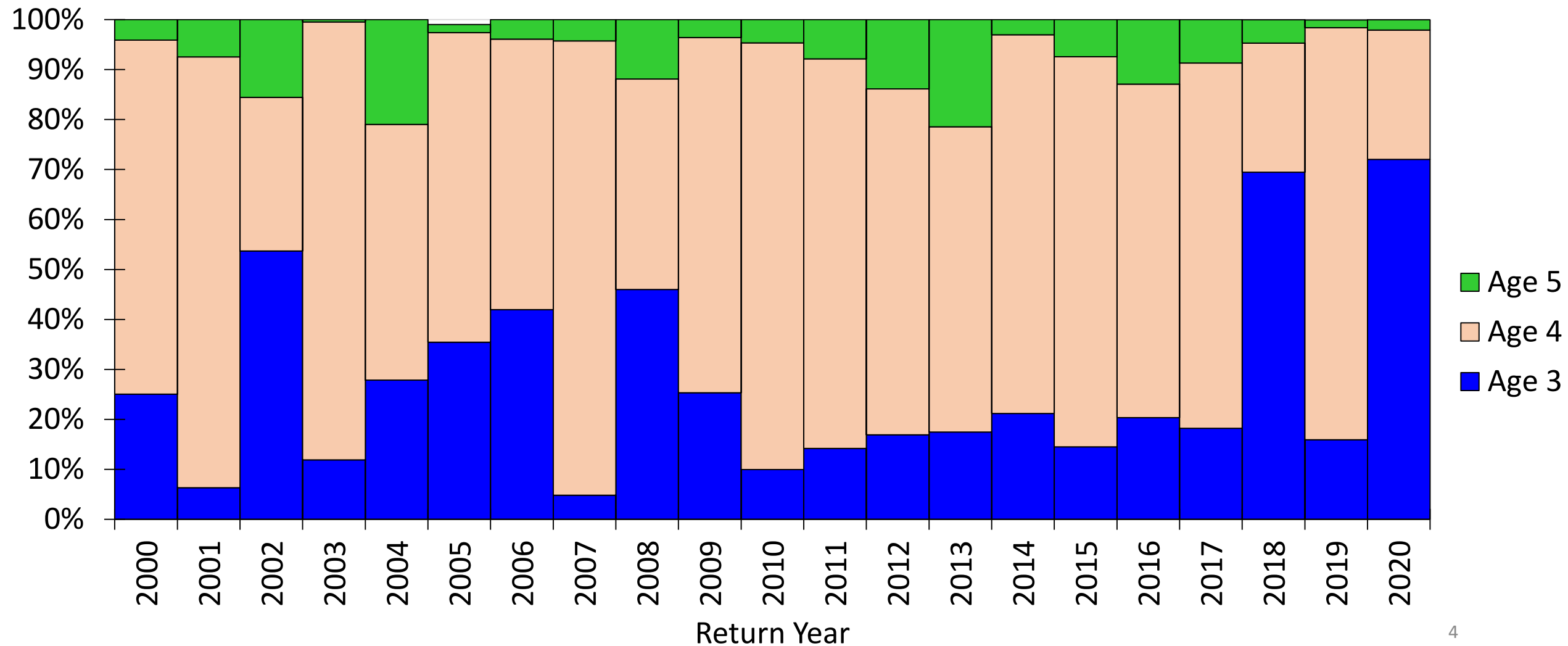


2020 Summer Chum: Forecast vs. Actual



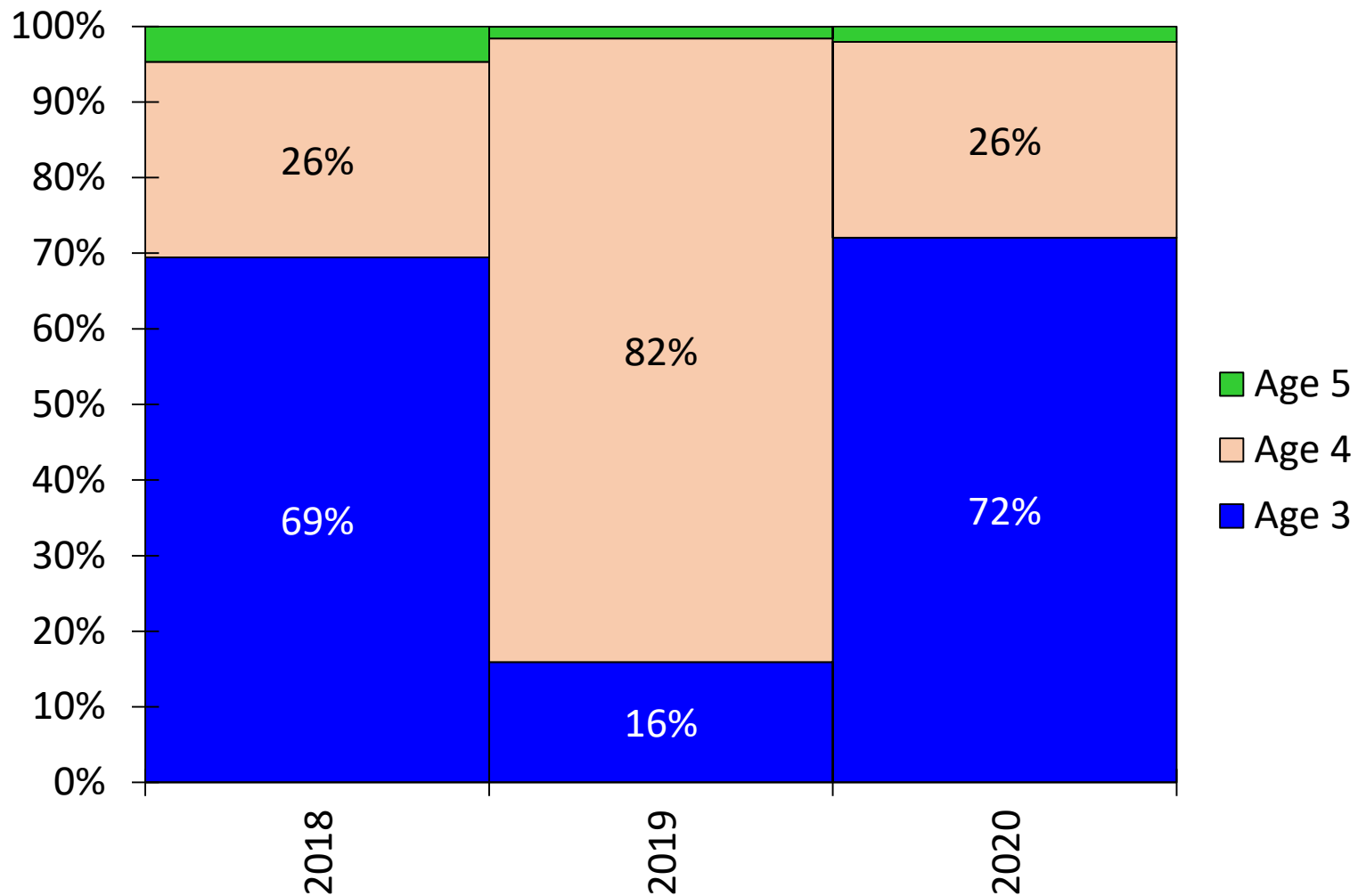


SSRAA Summer Chum Age-Class Composition





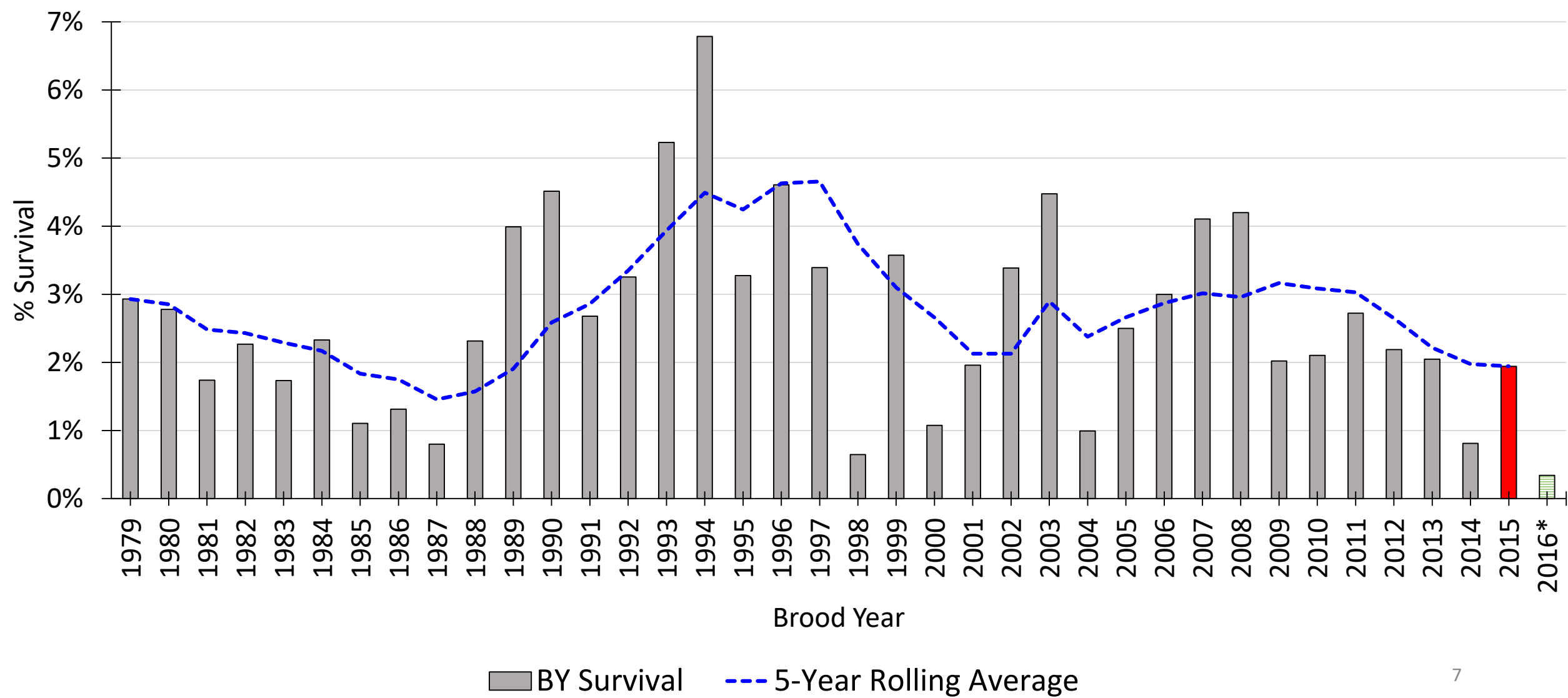
SSRAA Summer Chum Age-Class Composition



Average Weights – 3yo Summer Chum				
Year	High	Low	Average	Standard Deviation
2018	15.1	7.6	9.4	2.1
2019	10	5.8	8.5	1.2
2020	9.5	5.7	7.1	1.1

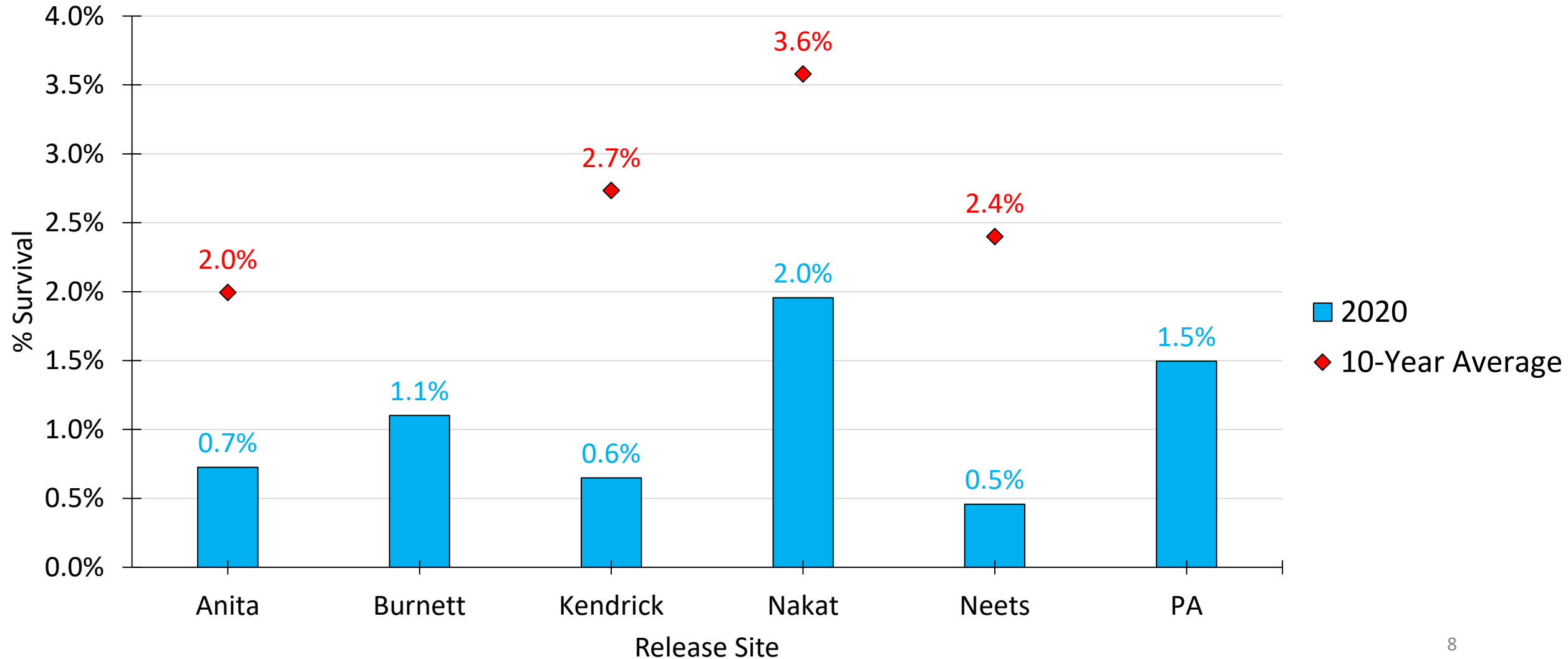


Average SSRAA Summer Chum Survival - All Sites



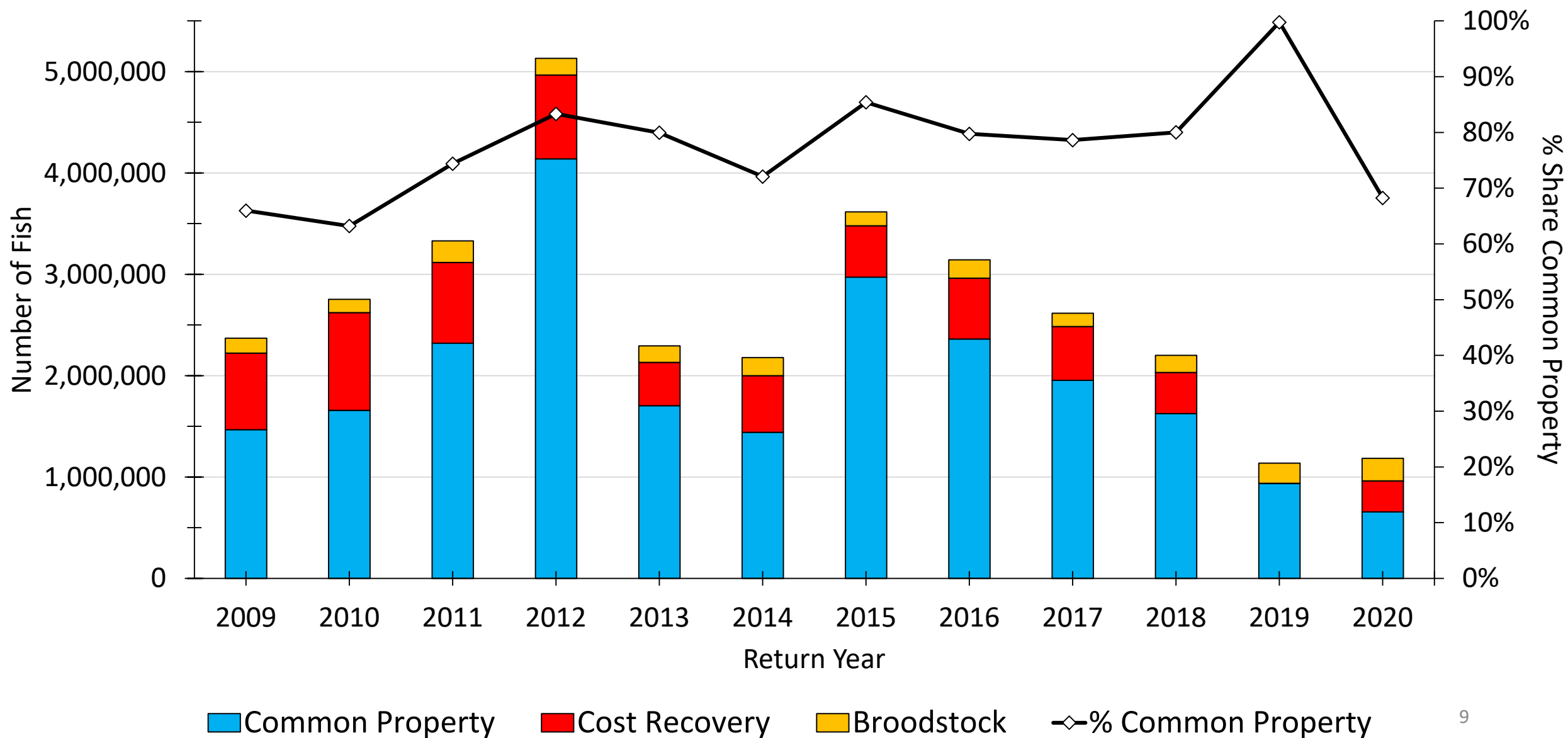


SSRAA Summer Chum Marine Survival



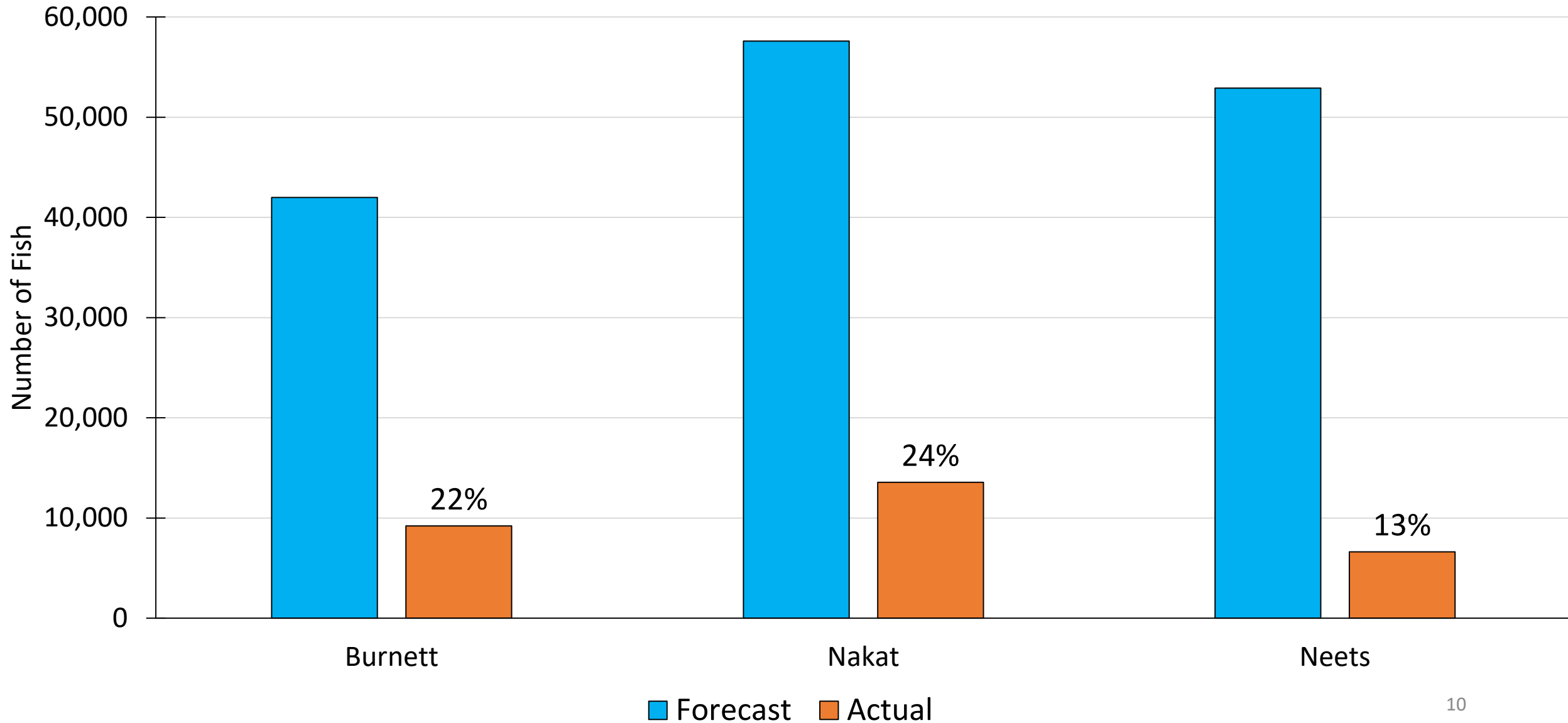


SSRAA Summer Chum Harvest Share



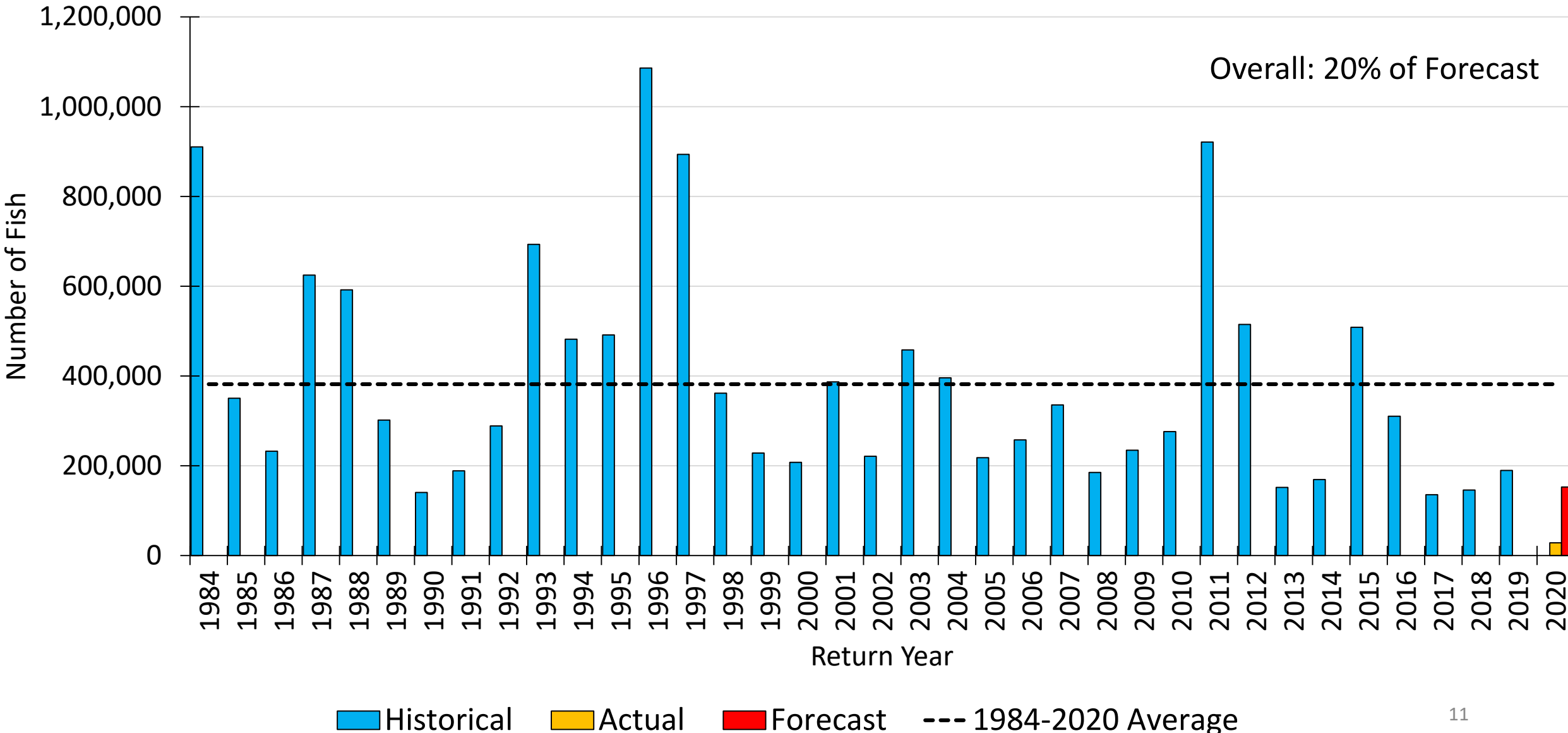


2020 Fall Chum: Forecast vs. Actual



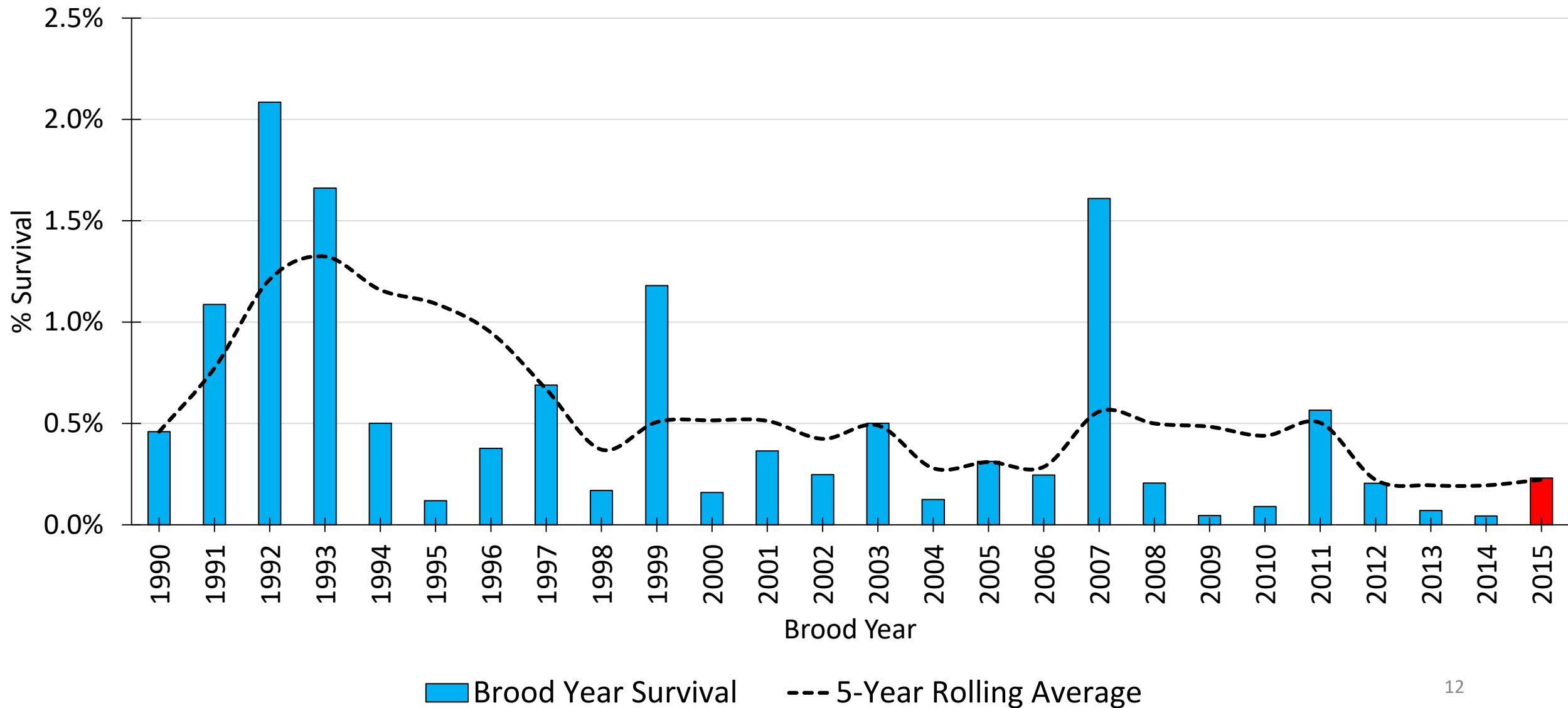


2020 Fall Chum: Forecast vs. Actual





Average SSRAA Fall Chum Survival - All Sites





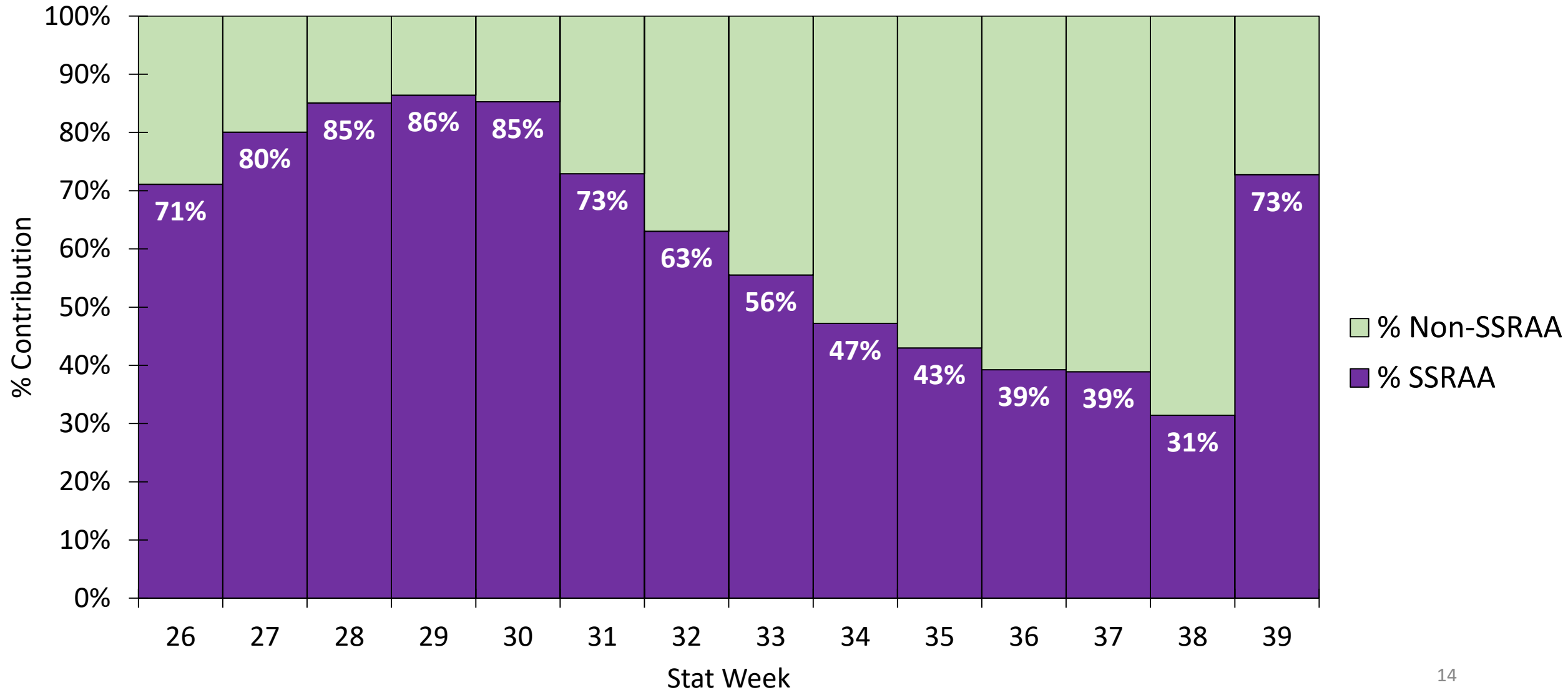
SSRAA Contribution to Traditional Chum Fisheries

Summer and Fall Chum

Gear	District	SSRAA	Non-SSRAA	% SSRAA
Gillnet	101	103,935	32,148	76%
	106	119,612	23,968	83%
	108	46,118	7,561	86%
Gillnet Total		269,665	63,677	81%
Seine	101	41,756	30,651	58%
	102	107,801	29,293	79%
	103	46,768	26,514	64%
	104	35,824	48,212	43%
	105	819	1,517	35%
	106	17,325	1,623	91%
	107	27,207	1,782	94%
Seine Total		277,500	139,592	67%
Grand Total		547,165	203,268	73%

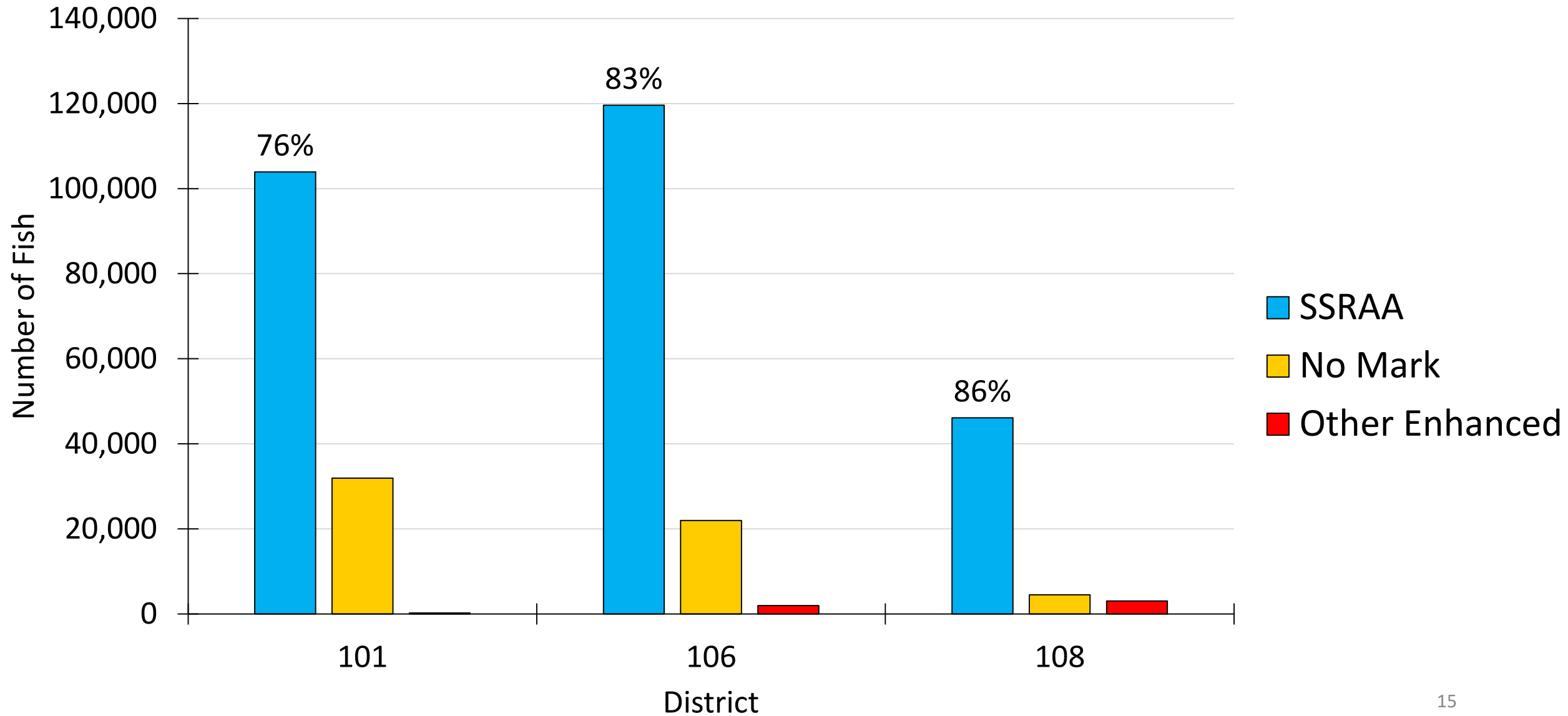


SSRAA Contribution to Traditional Chum Fisheries



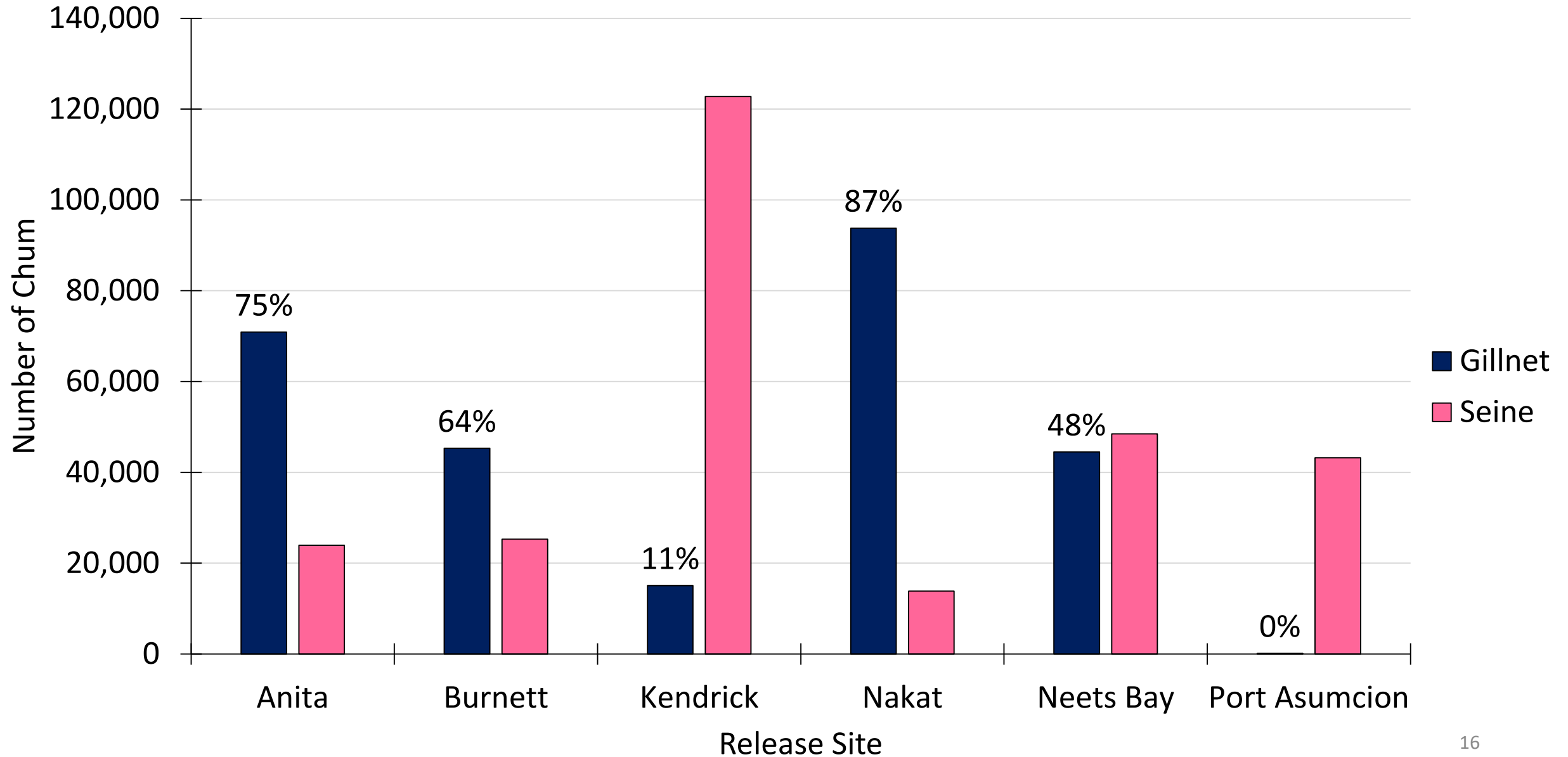


SSE Traditional Chum Salmon Gillnet Catch



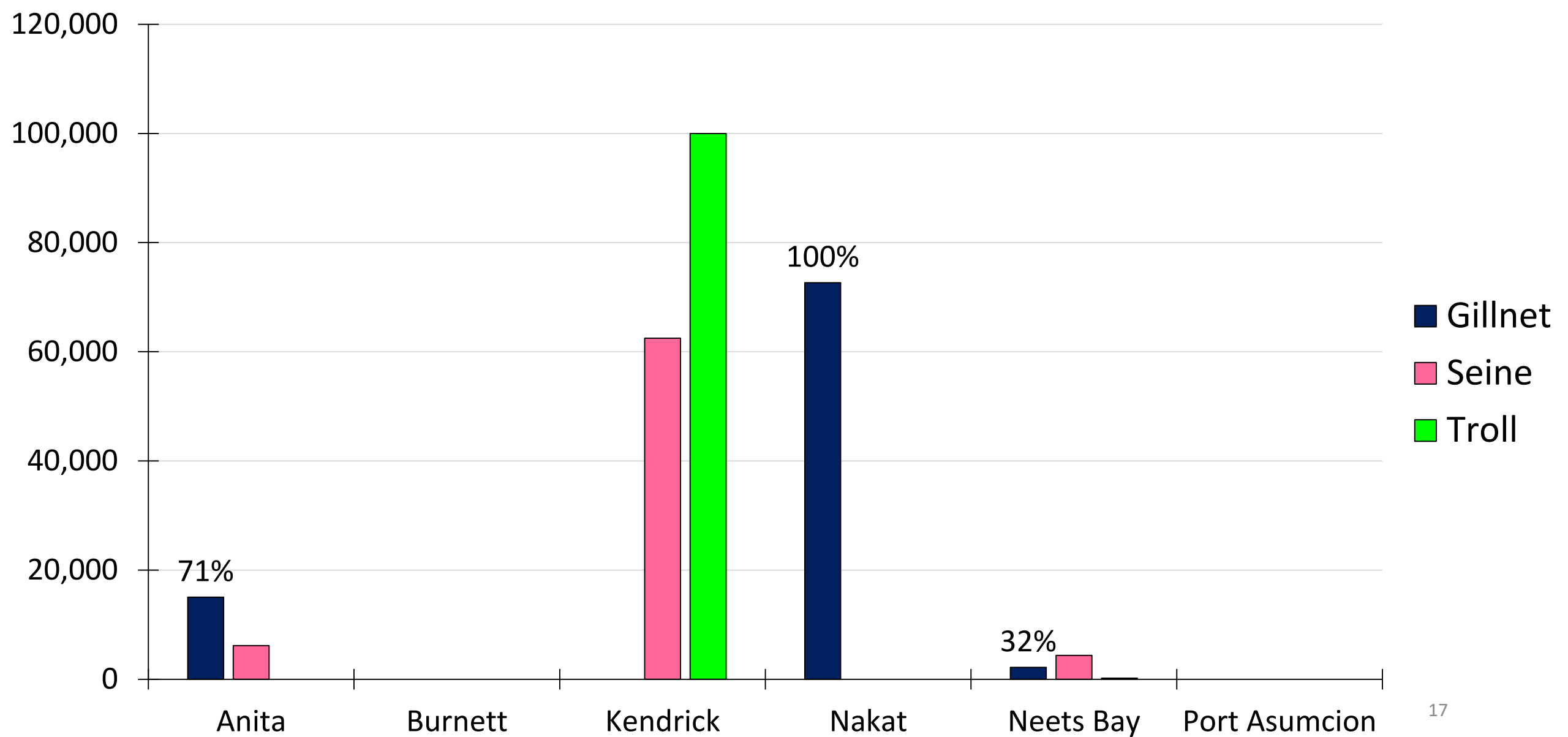


Traditional Chum Salmon Catch by Release Site



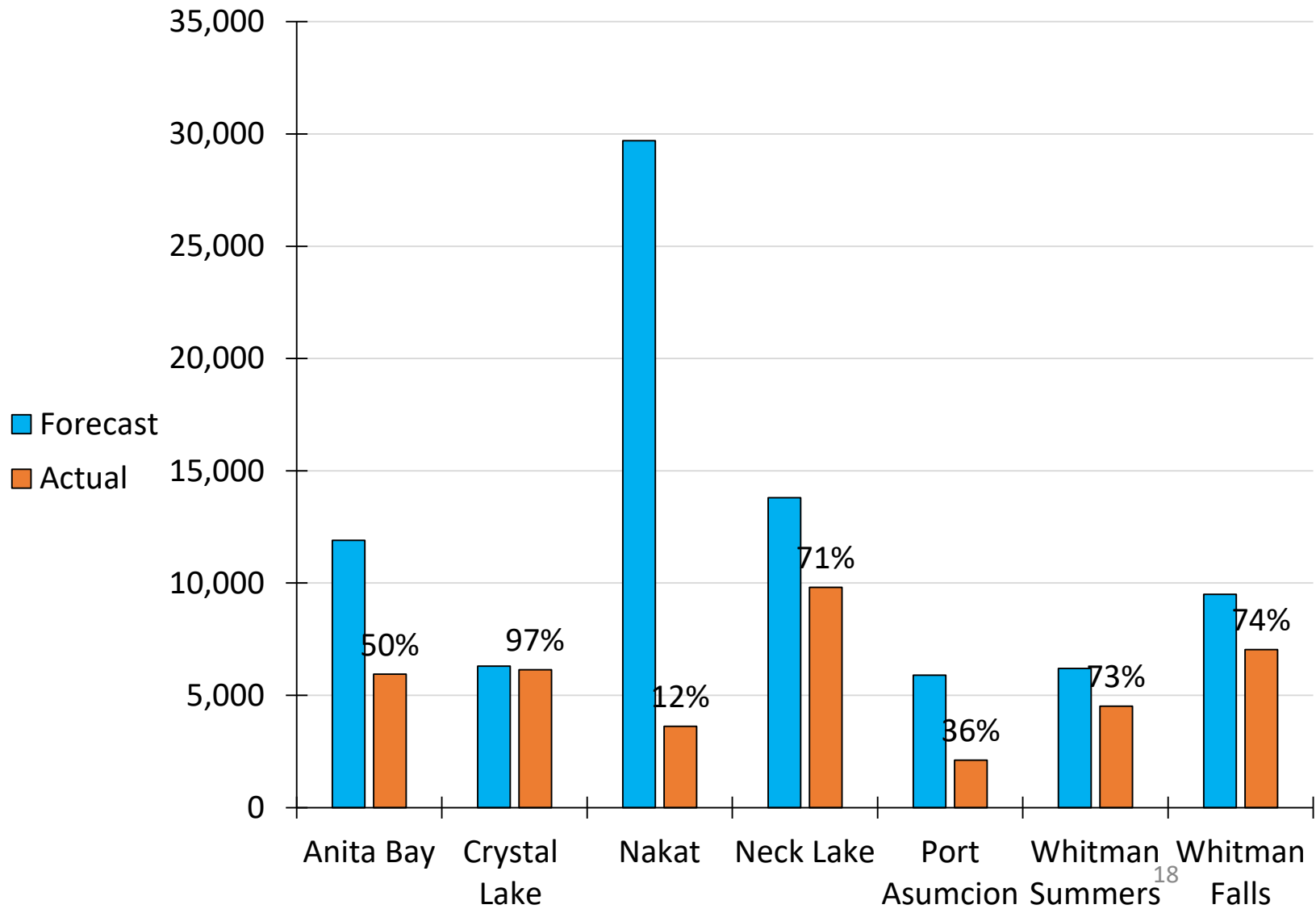
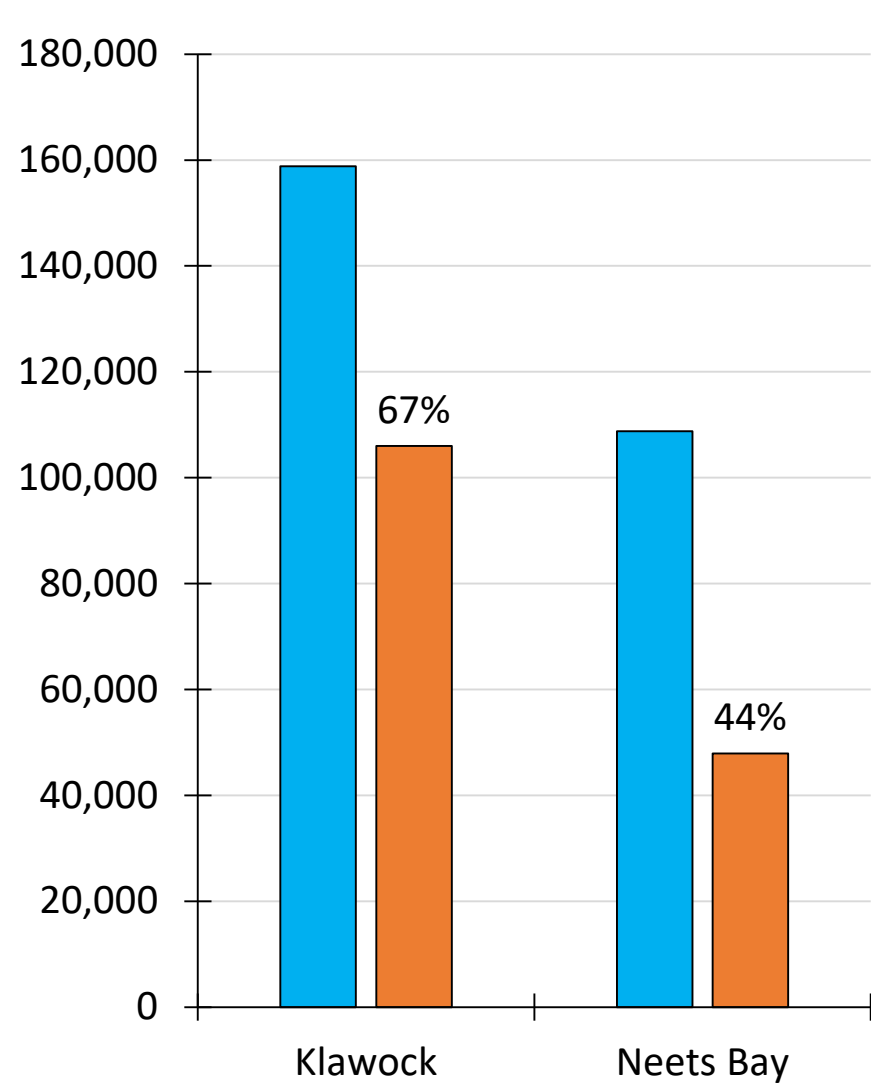


Terminal Chum Salmon Catch by Release Site



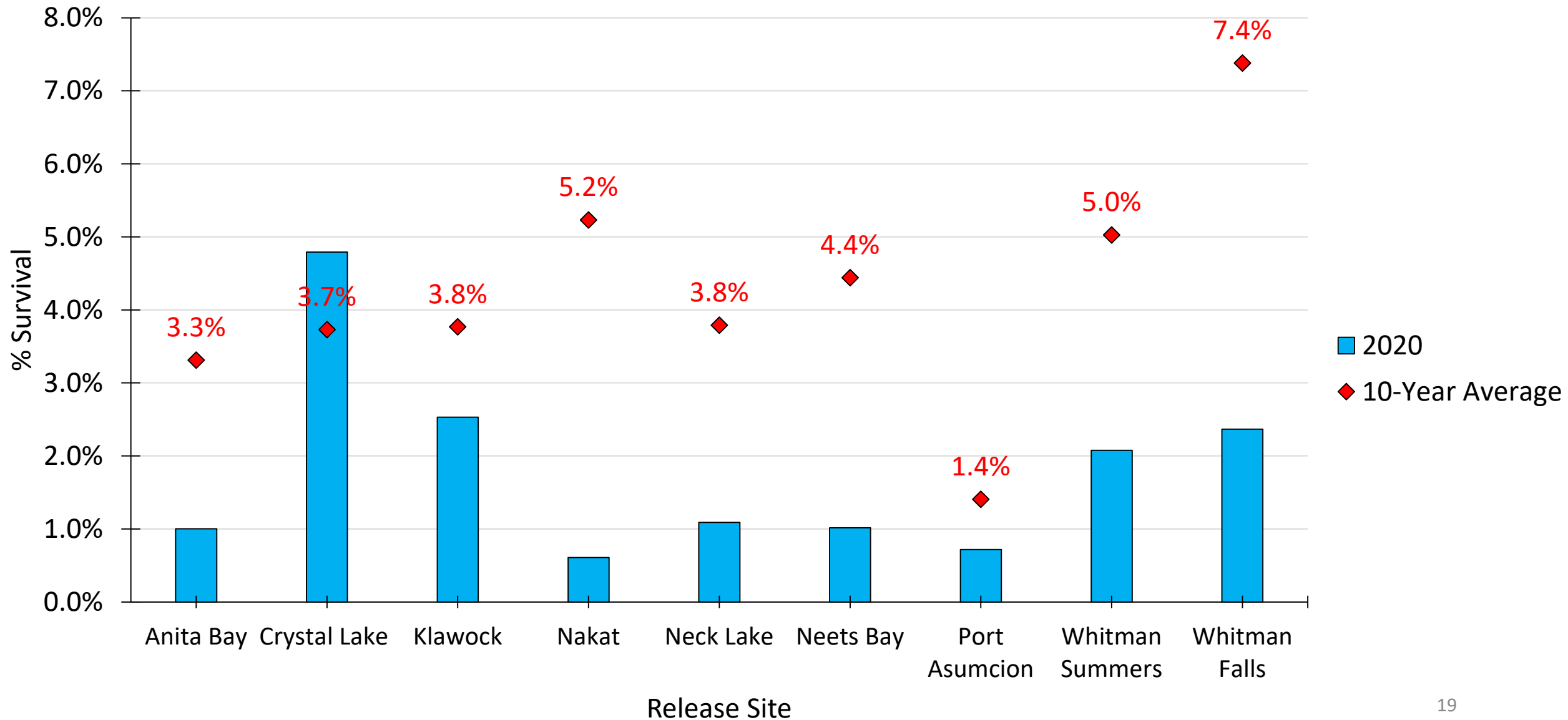


2020 Coho: Forecast vs. Actual



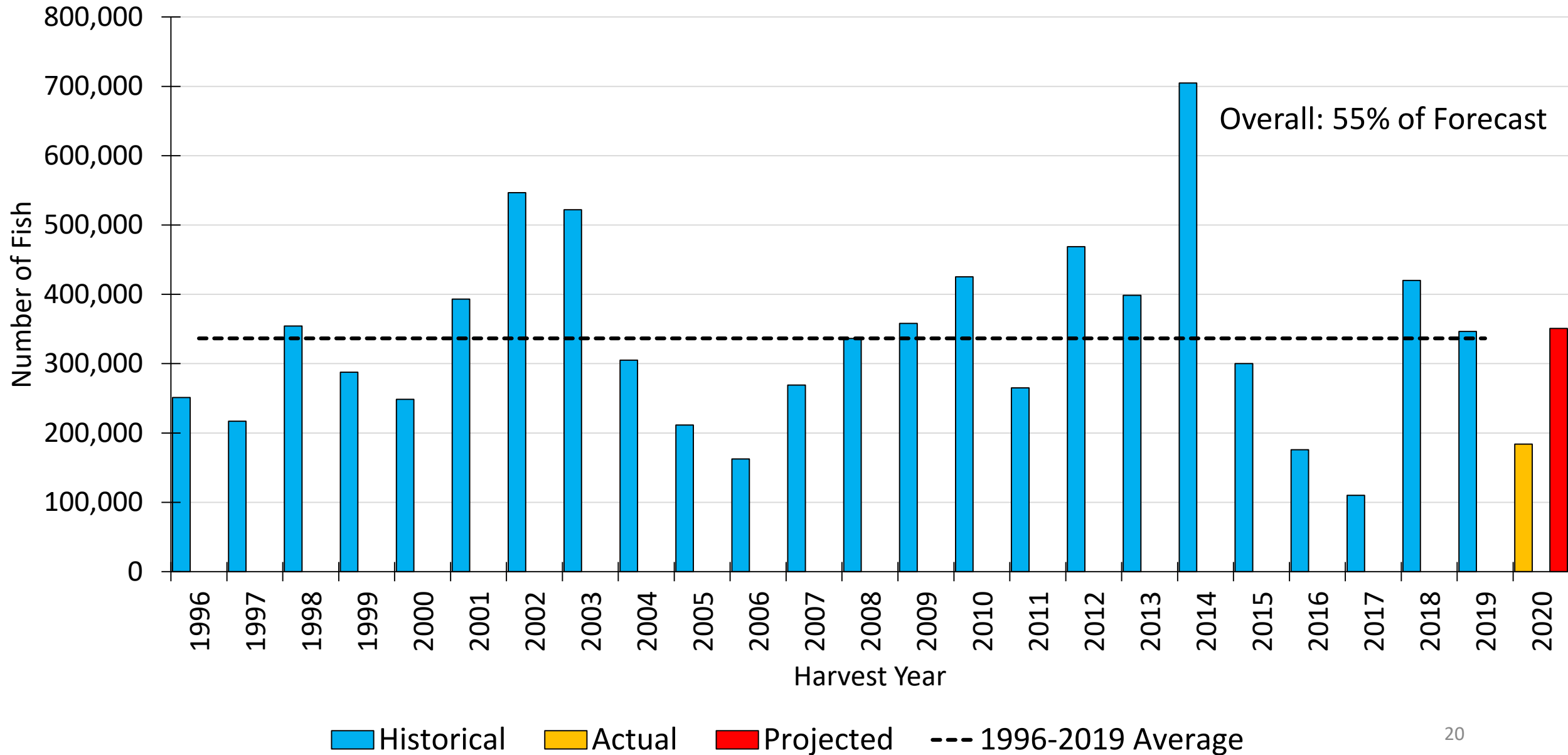


SSRAA Coho Marine Survival



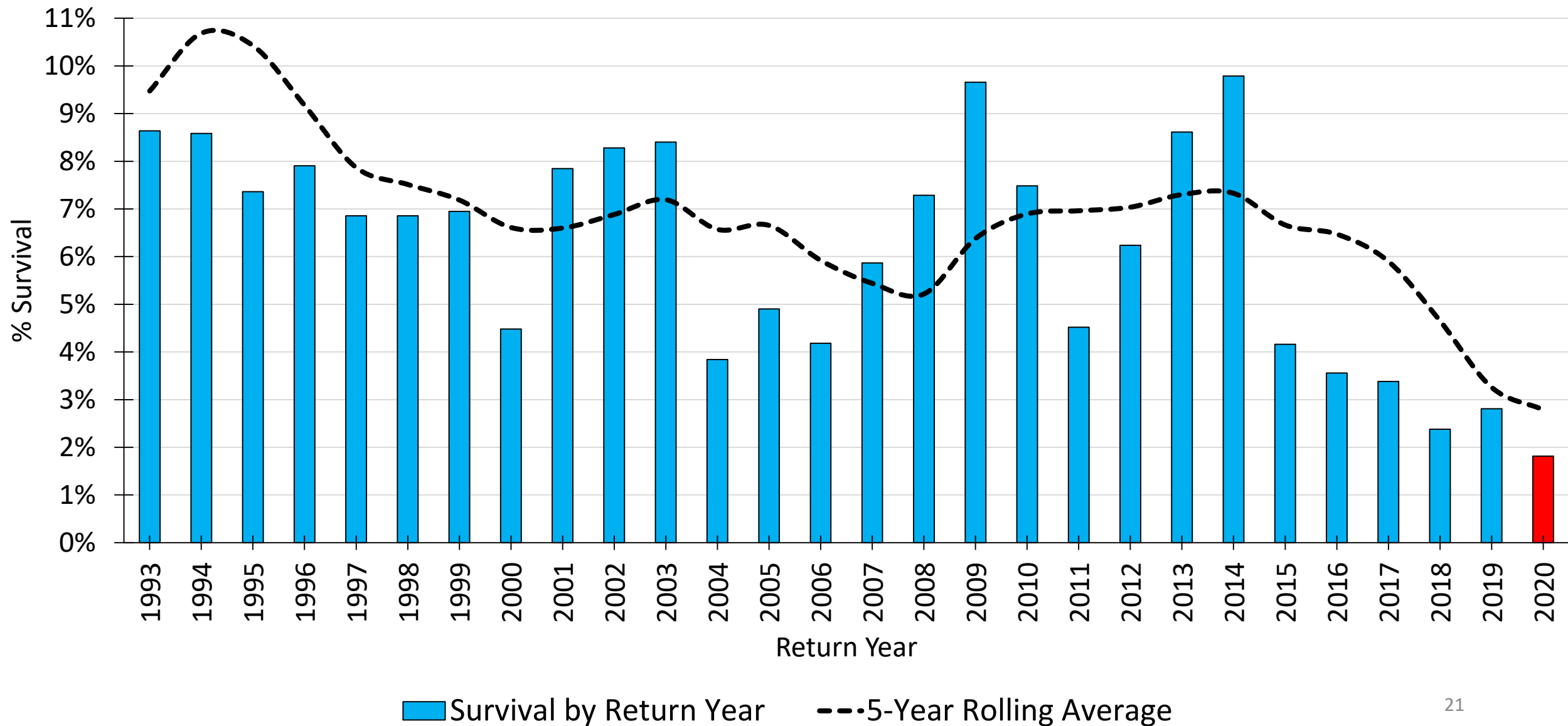


2020 Coho: Forecast vs. Actual



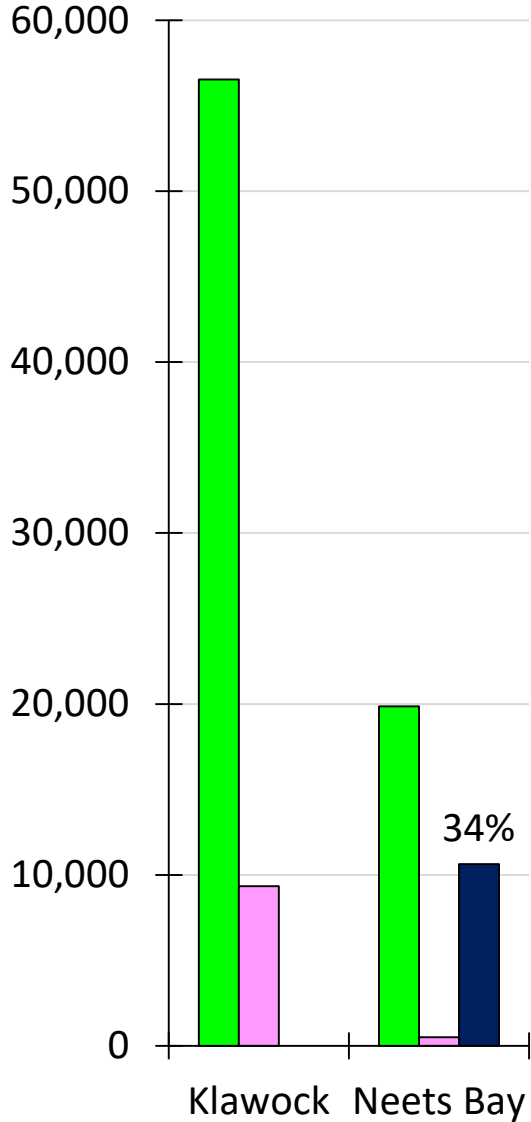


Average SSRAA Coho Survival - All Sites

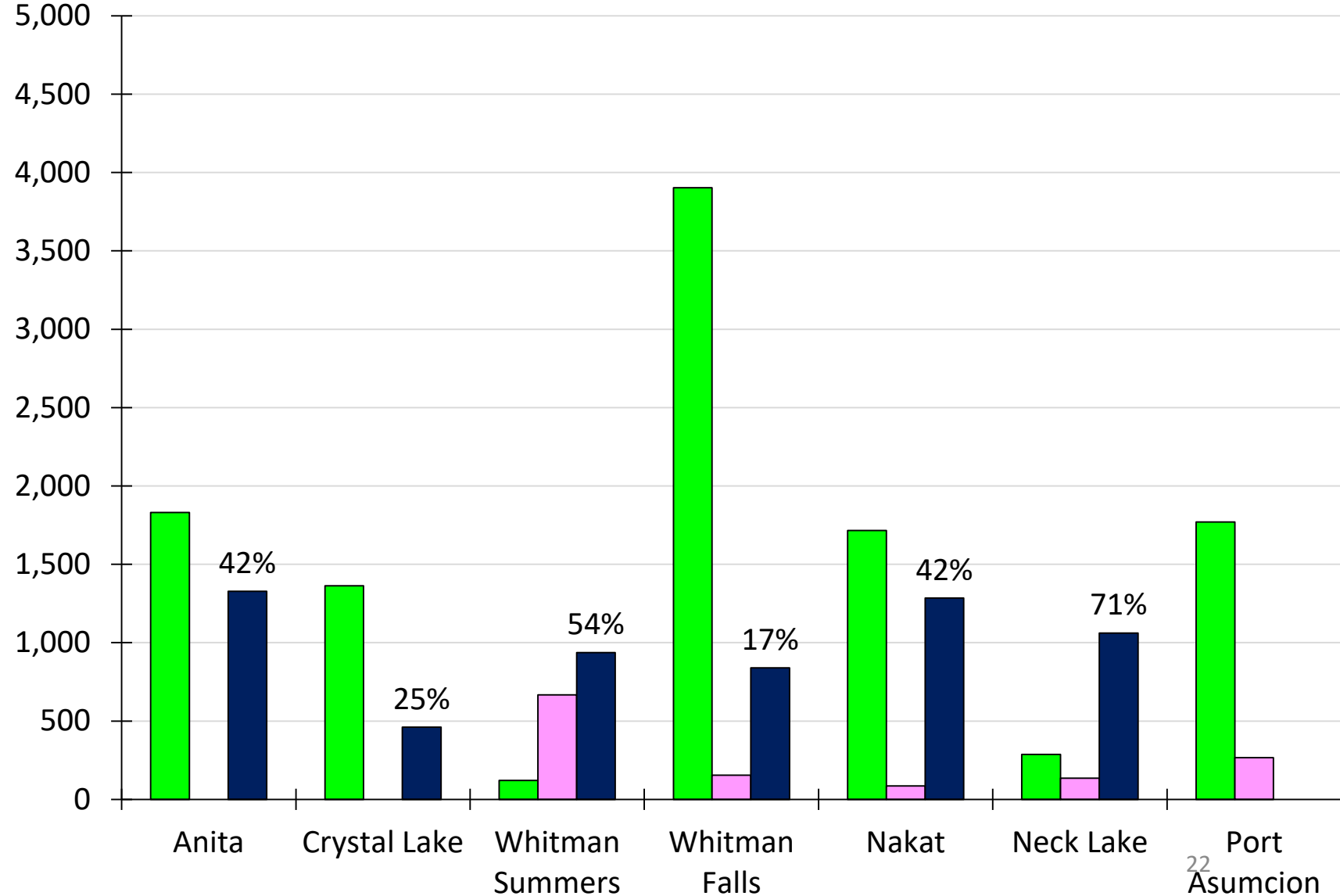




2020 SSRAA Traditional Coho Contribution

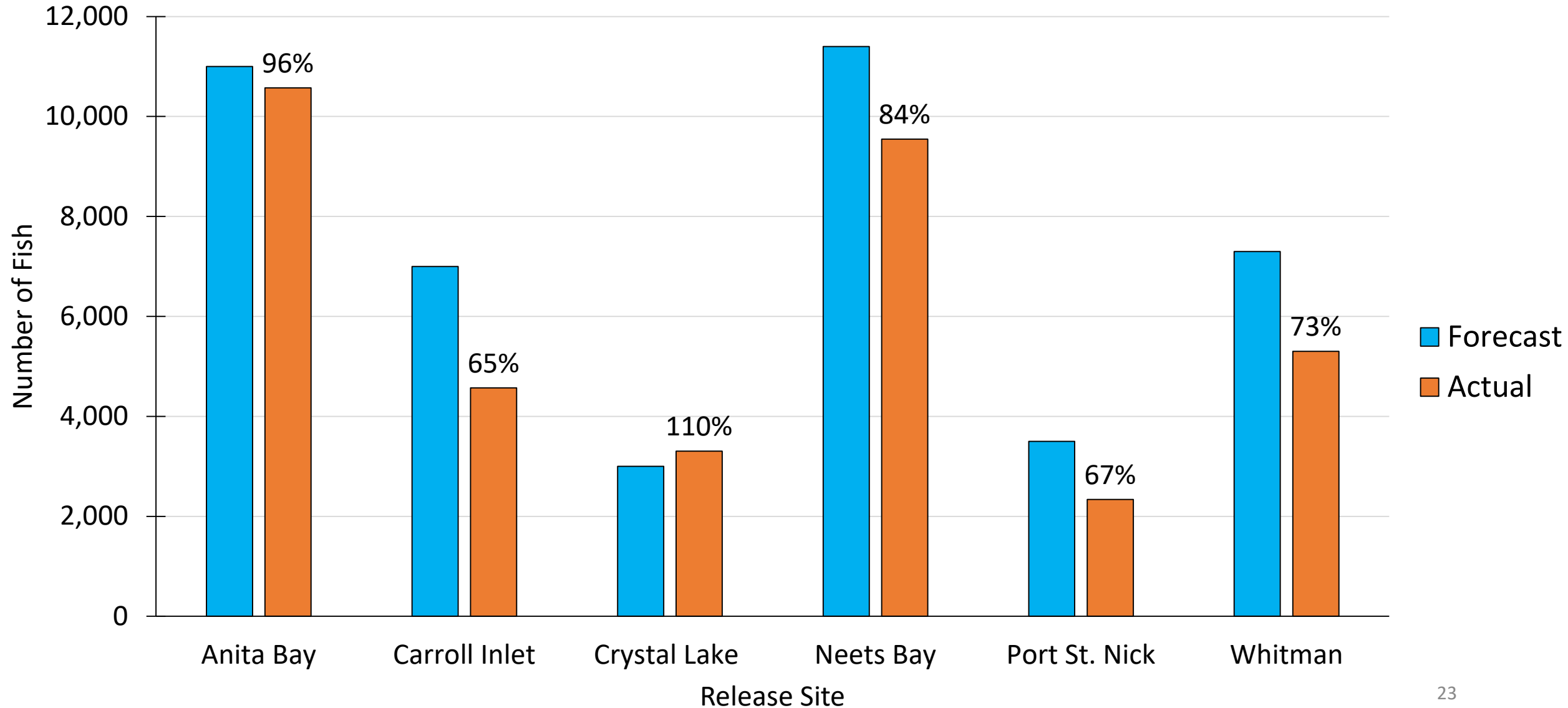


Troll
Seine
Gillnet

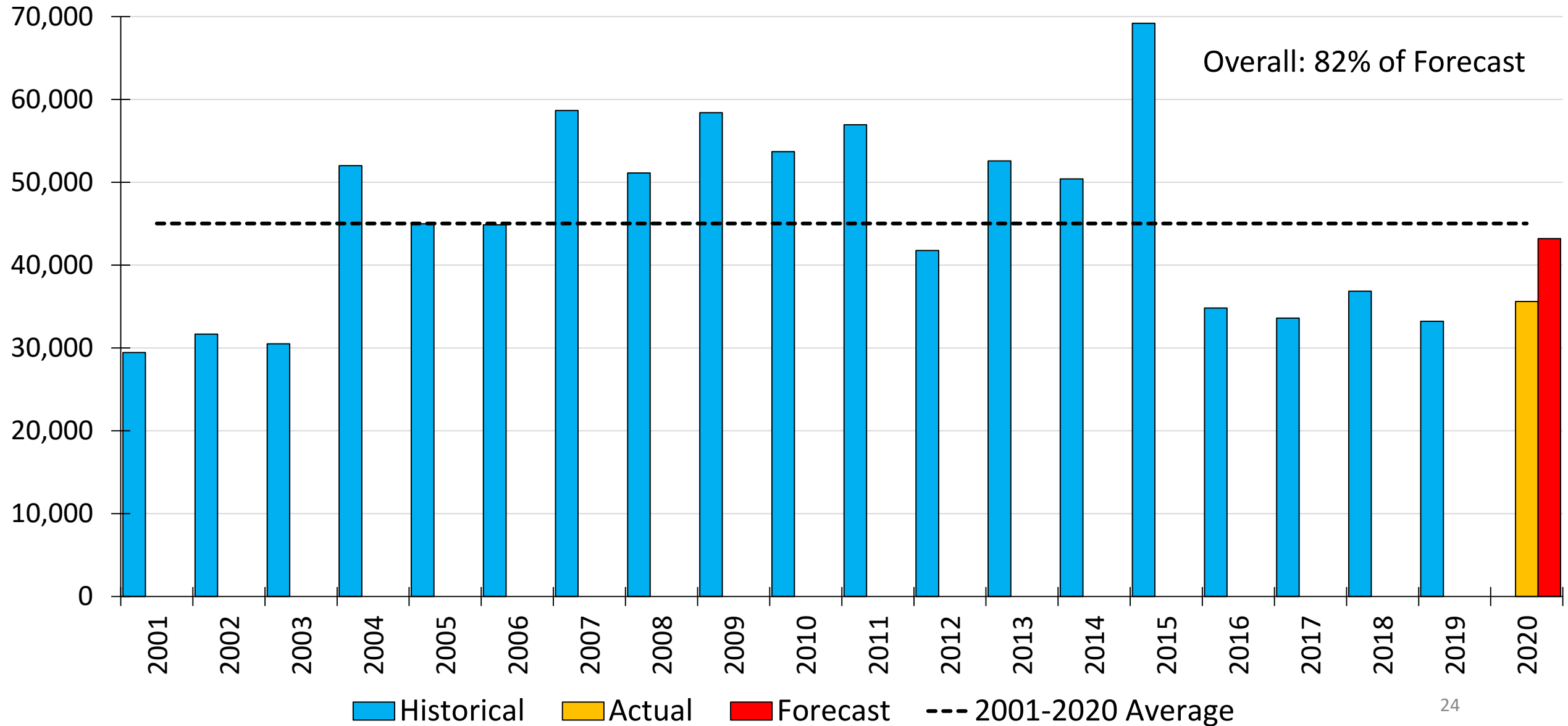




2020 Chinook: Forecast vs. Actual

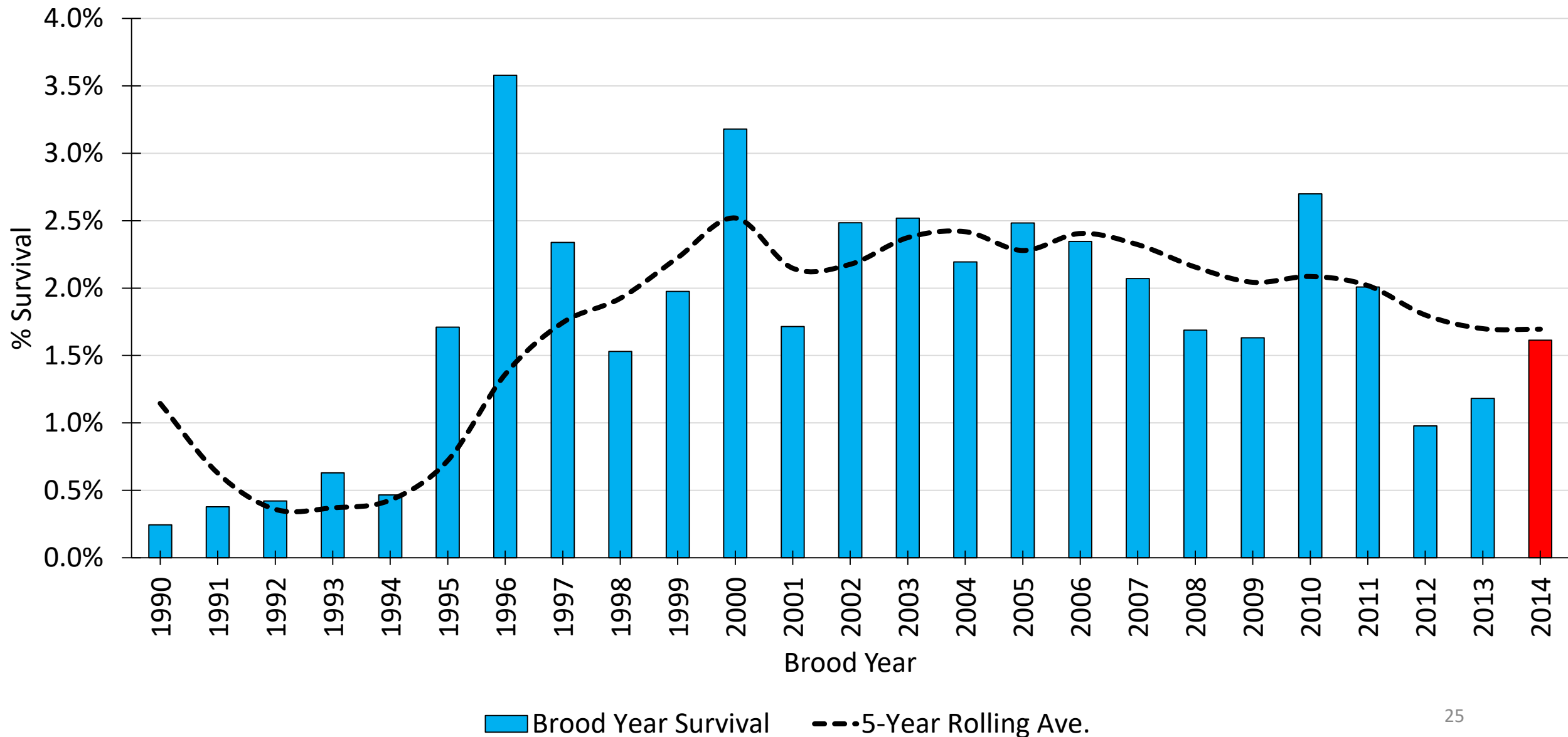


2020 Chinook: Forecast vs. Actual



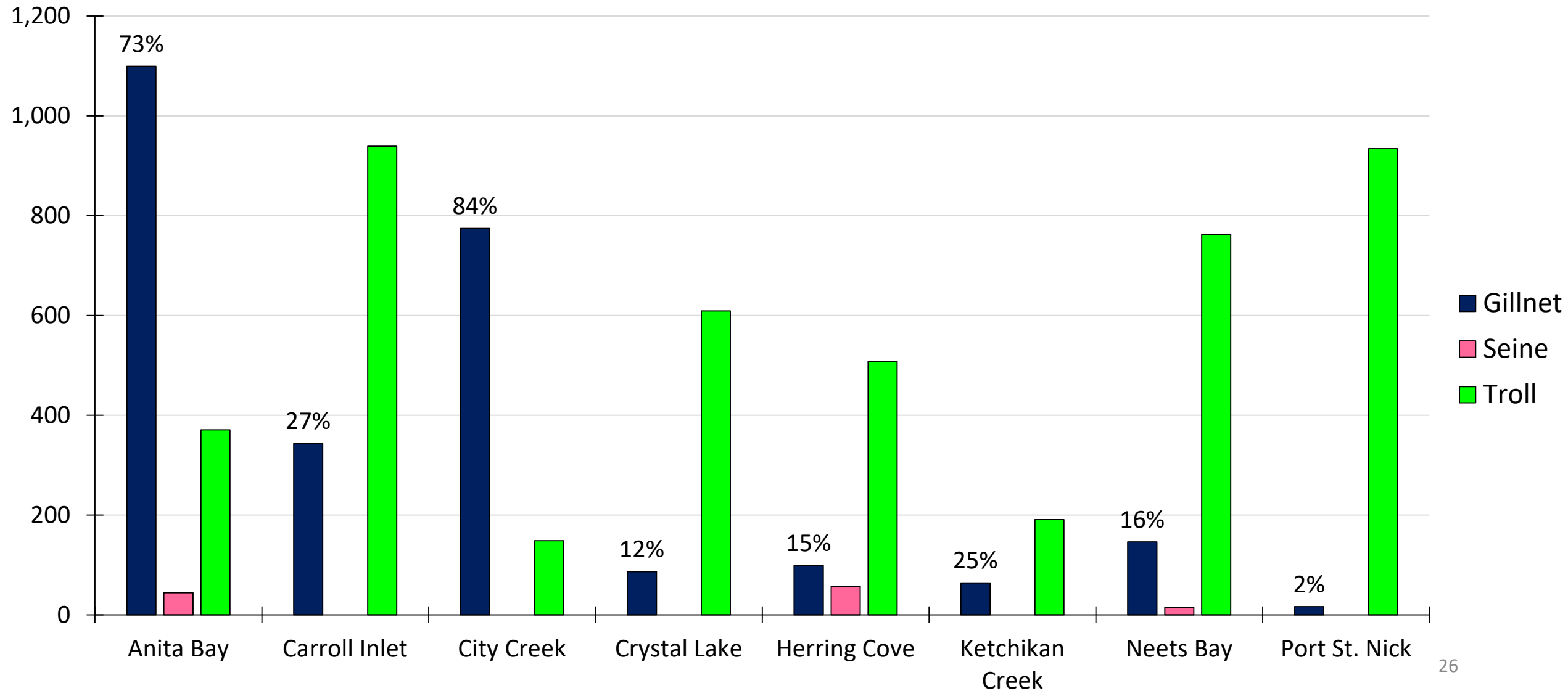


Average SSRAA Chinook - All Sites



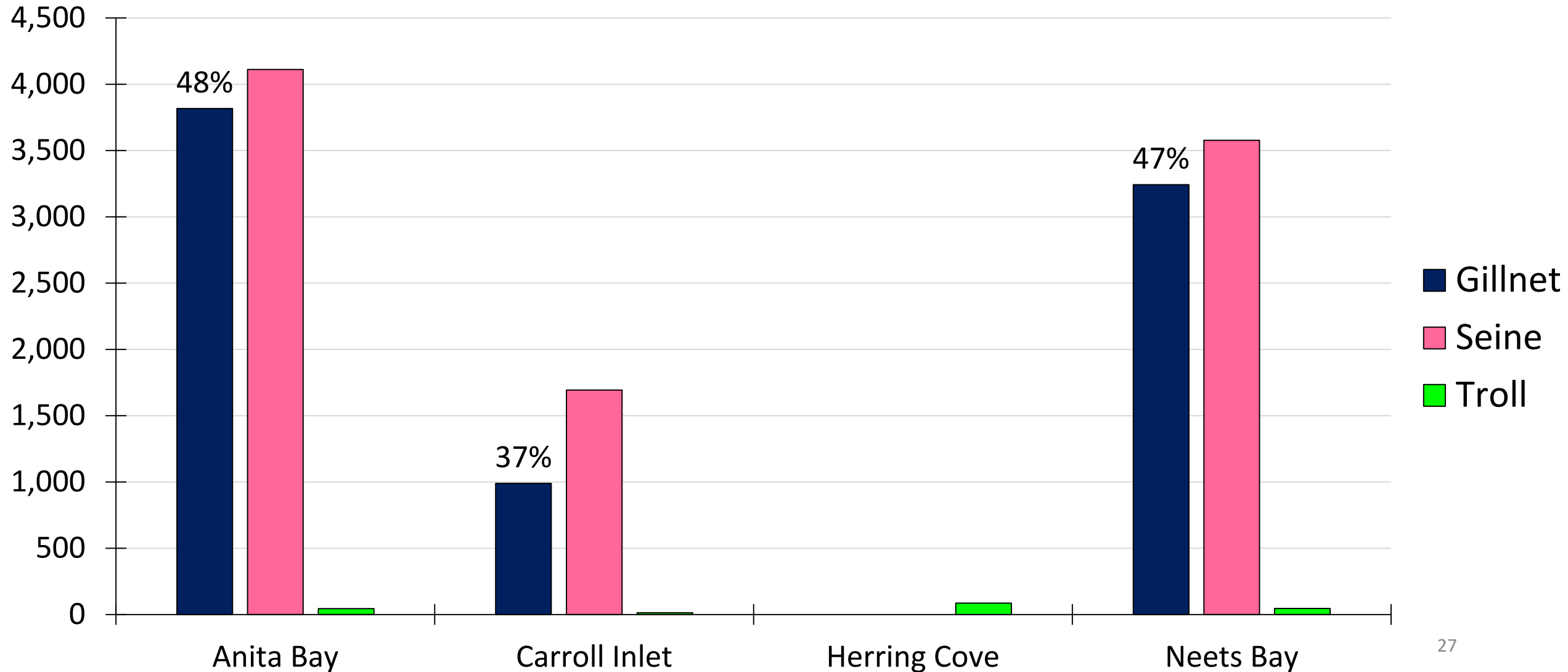


2020 SSRAA Traditional Chinook Contribution





2020 SSRAA Terminal Chinook Contribution





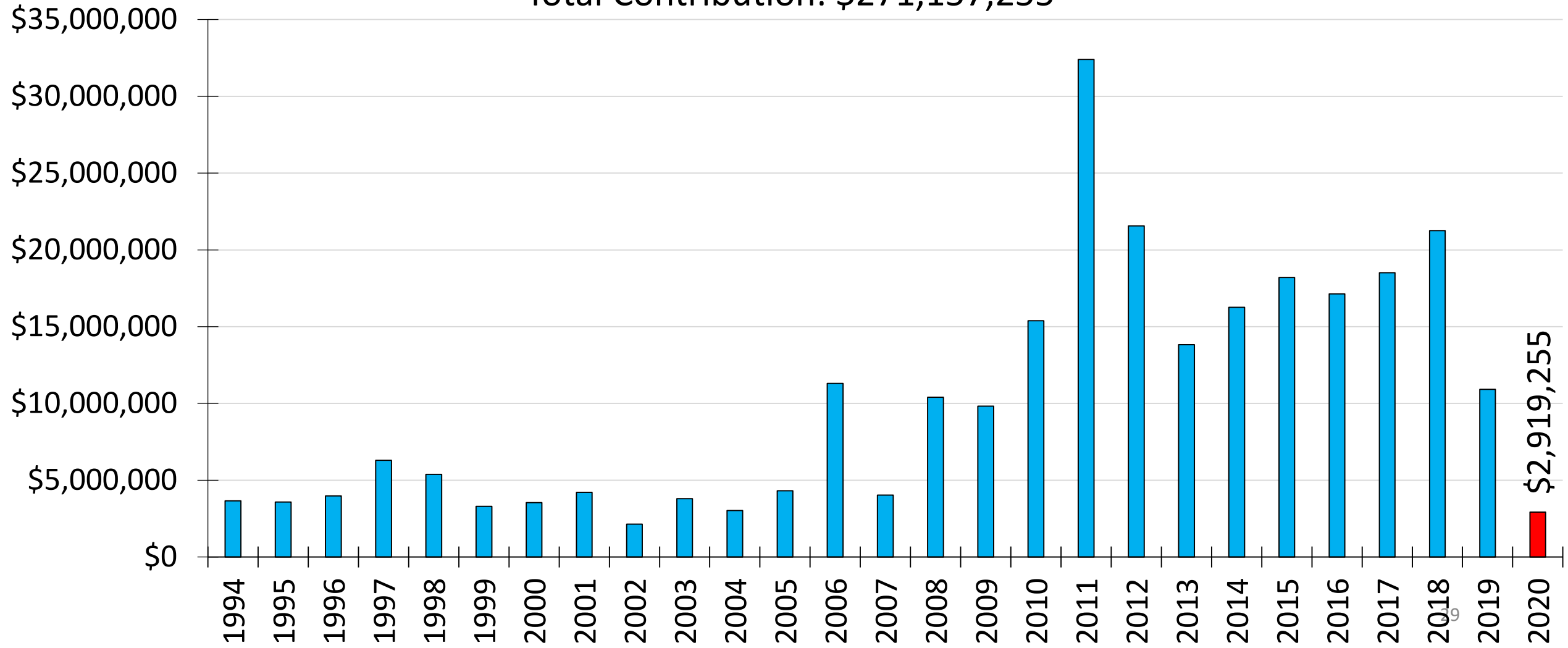
Preliminary 2020 SSRAA Value Estimates

Species	Gillnet	Seine	Troll	Total
Chinook	\$ 553,116	\$ 417,148	\$ 332,945	\$ 1,303,209
Coho	\$ 144,543	\$ 40,117	\$ 1,089,342	\$ 1,274,001
Summer Chum	\$ 1,211,589	\$ 1,211,348	\$ 3,094	\$ 2,426,030
Fall Chum	\$ 89,388	\$ 6,626	-	\$ 96,015
Total	\$ 1,998,635	\$ 1,675,238	\$ 1,425,382	\$ 5,099,255



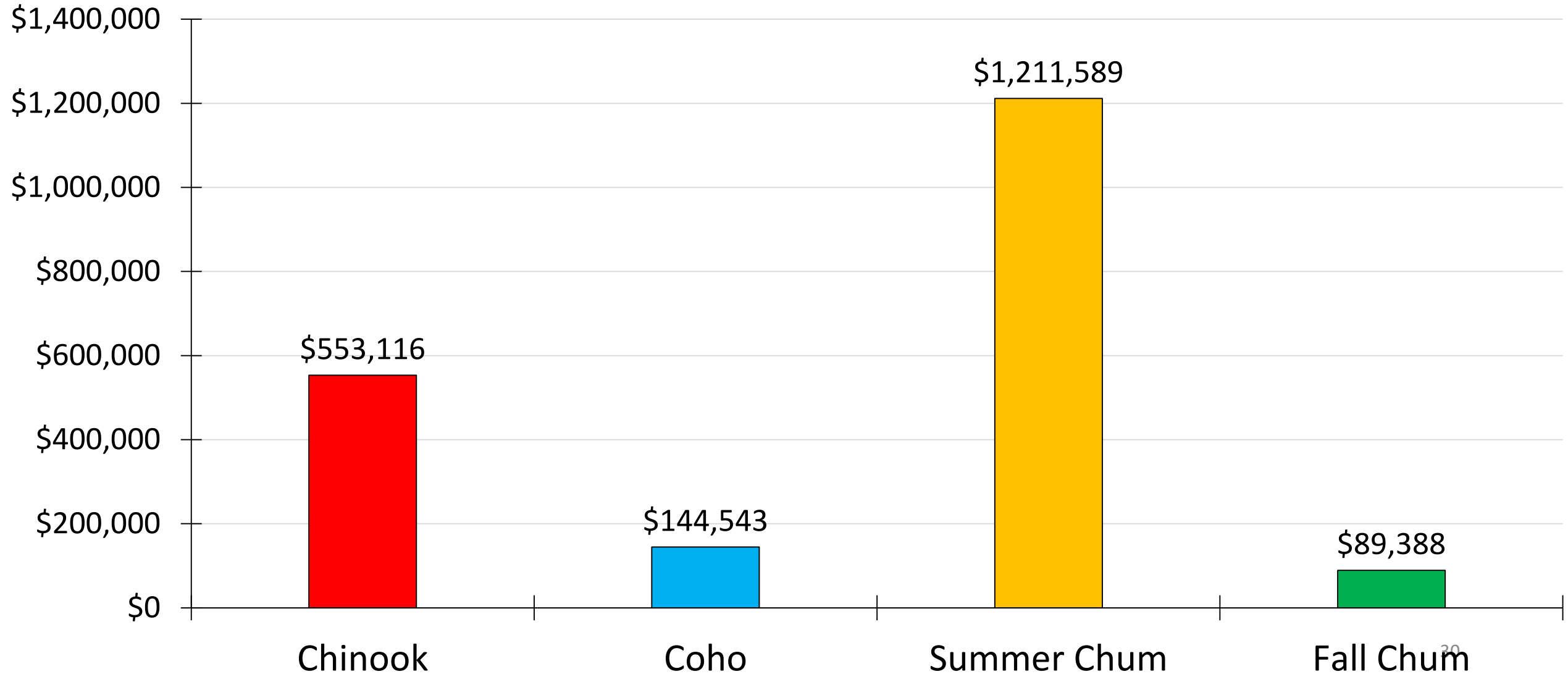
2020 SSRAA Contribution to Ex-Vessel Value

Total Contribution: \$271,157,255



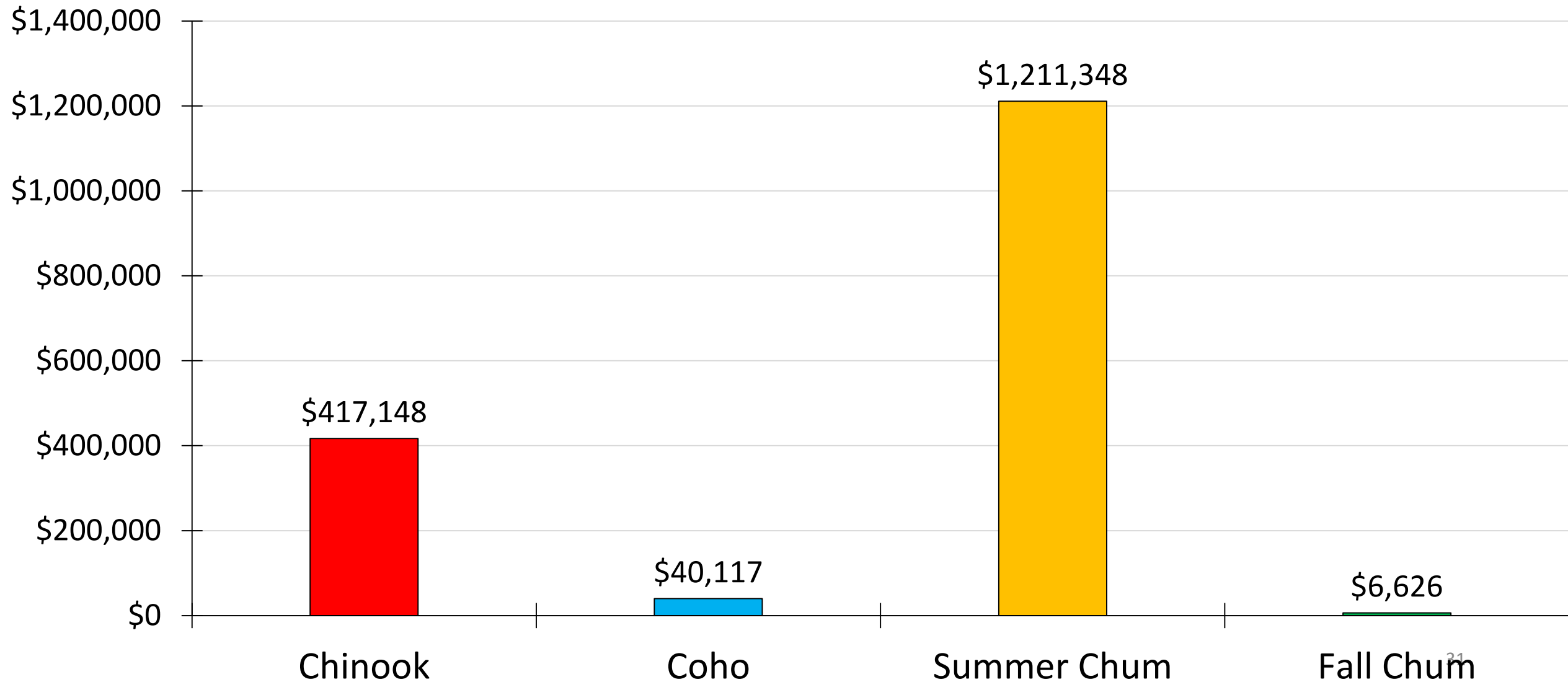


2020 SSRAA Contribution to Gillnet Ex-Vessel Value



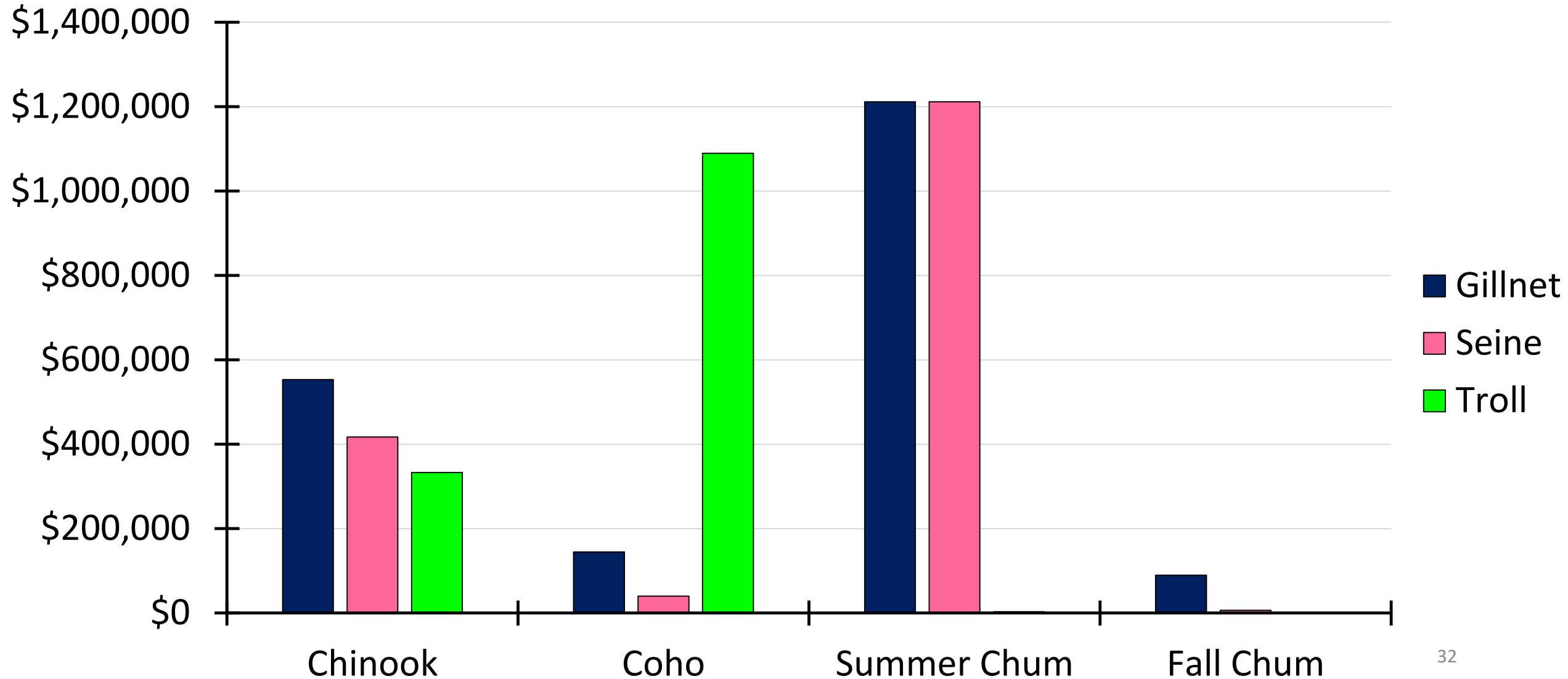


2020 SSRAA Contribution to Seine Ex-Vessel Value





2020 SSRAA Contribution by Species and Gear





Preliminary 2021 SSRAA Chinook Forecast

Chinook									
Site	Age 3	Age 4	Age 5	Age 6	Traditional	Terminal	Total	Survival	2020 Return
Anita	200	3,400	7,600	300	4,400	7,100	11,500	2.3%	10,500
Carroll	200	3,700	5,200	200	3,400	5,900	9,300	1.5%	4,200
Crystal	100	1,100	2,100	300	1,500	2,100	3,600	0.6%	3,300
Neets	100	3,300	2,900	400	900	5,800	6,700	2.3%	9,600
PSN	100	2,300	2,600	0	1,600	3,400	5,000	1.5%	2,400
Whitman	200	3,300	4,000	200	2,500	5,200	7,700	1.3%	5,300
Total	900	17,100	24,400	1,400	14,300	29,500	43,800		35,300



Preliminary 2021 SSRAA Coho Forecast

Coho					
Site	Traditional	Terminal	Total	Survival	2020 Return
Anita Bay	8,325	2,800	11,100	2.0%	5,900
Crystal Lake	2,500	1,600	4,100	3.0%	6,100
Klawock	116,200	49,800	166,000	3.5%	106,000
Nakat	11,500	4,900	16,400	3.0%	3,600
Neck Lake	16,600	11,000	27,600	2.0%	9,800
Neets Bay	95,000	40,700	135,700	3.0%	47,900
Port Asumcion	5,300	2,300	7,500	2.0%	2,100
Whitman Falls	6,600	2,800	9,400	3.0%	3,400
Whitman Summers	3,100	3,100	6,200	3.0%	7,000
Total	265,125	119,000	384,000		191,800



Preliminary 2021 SSRAA Chum Forecast

Species	Site	Low	Mid	High
Summer Chum	Anita	105,000	473,000	674,700
	Burnett	218,500	422,000	639,500
	Kendrick	285,300	712,800	934,300
	Nakat	123,200	321,000	457,600
	Neets Bay	295,400	769,000	1,145,900
	Port Asumcion	229,000	346,000	463,800
	Total	1,256,400	3,043,800	4,315,800

Species	Site	Age 3	Age 4	Age 5	Traditional	Terminal	Total
Summer Chum	Anita	116,000	349,000	8,000	311,000	162,000	473,000
	Burnett	115,000	300,000	7,000	189,900	232,100	422,000
	Kendrick	151,000	559,300	2,500	534,600	178,200	712,800
	Nakat	66,000	254,000	1,000	160,500	160,500	321,000
	Neets Bay	156,000	602,000	11,000	269,200	499,900	769,000
	Port Asumcion	179,000	167,000		138,400	207,600	346,000
	Total	783,000	2,231,300	29,500	1,603,600	1,440,300	3,043,800
Fall Chum	Burnett	2,800	12,400	800	10,400	5,600	16,000
	Nakat	4,000	0	1,300	3,400	1,900	5,300
	Neets	17,300	11,200	2,900	9,400	22,000	31,400
	Total	24,100	23,600	5,000	23,200	29,500	52,700

News from SSRAA

- Still able to read 15,000 otoliths, despite COVID
- Successfully hit summer chum eggtake goal
- Will begin mass marking Chinook 2020 brood year in January 2021
 - 100% mark, 20% tag
 - Carroll Inlet (n=600,000) and Herring Cove (n=550,000)



Thank you



Questions?