

2019 Task Force Meetings

Sitka, AK



Tessa Minicucci

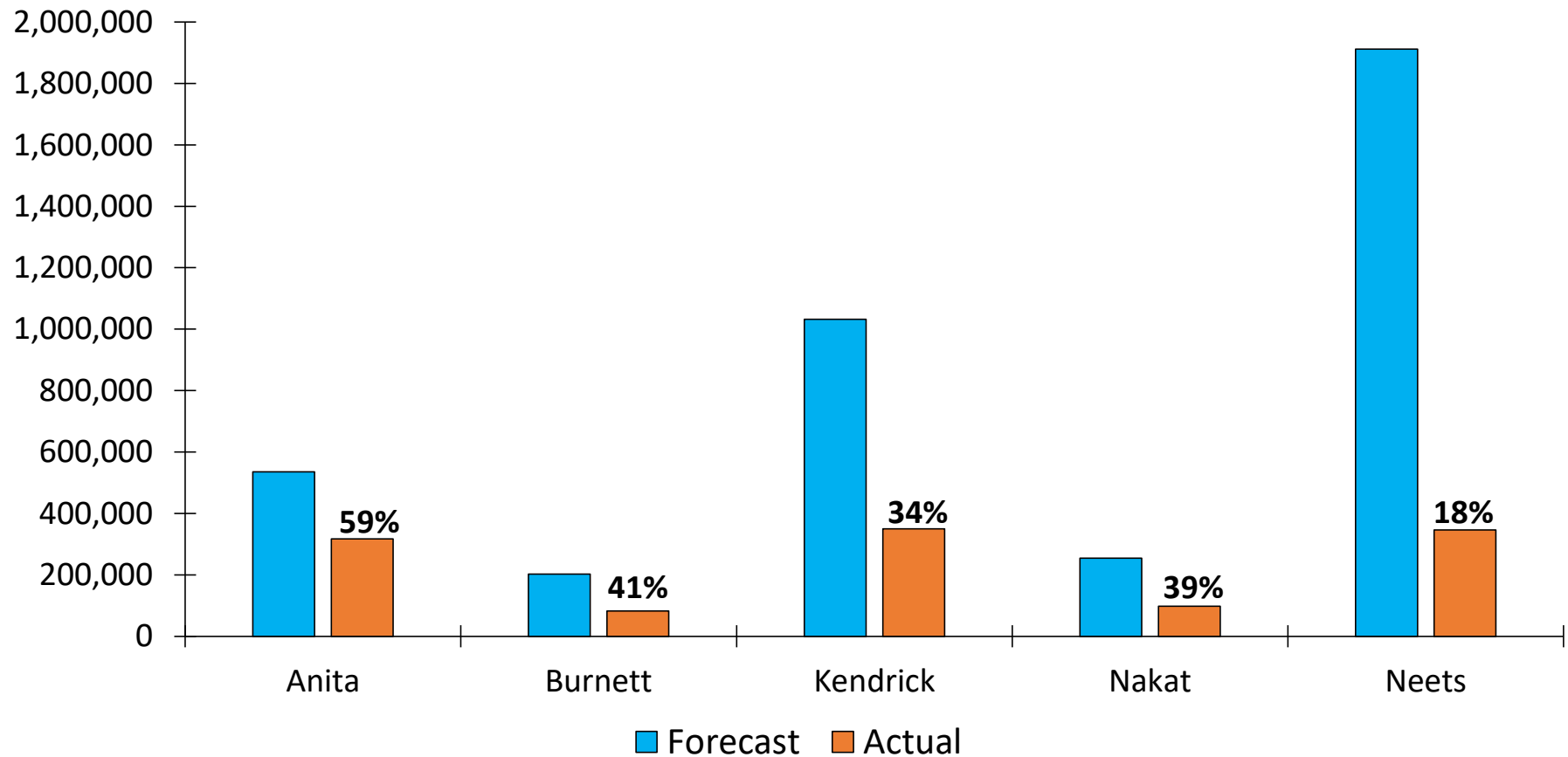
Research & Evaluation Manager

Southern Southeast Regional Aquaculture Association



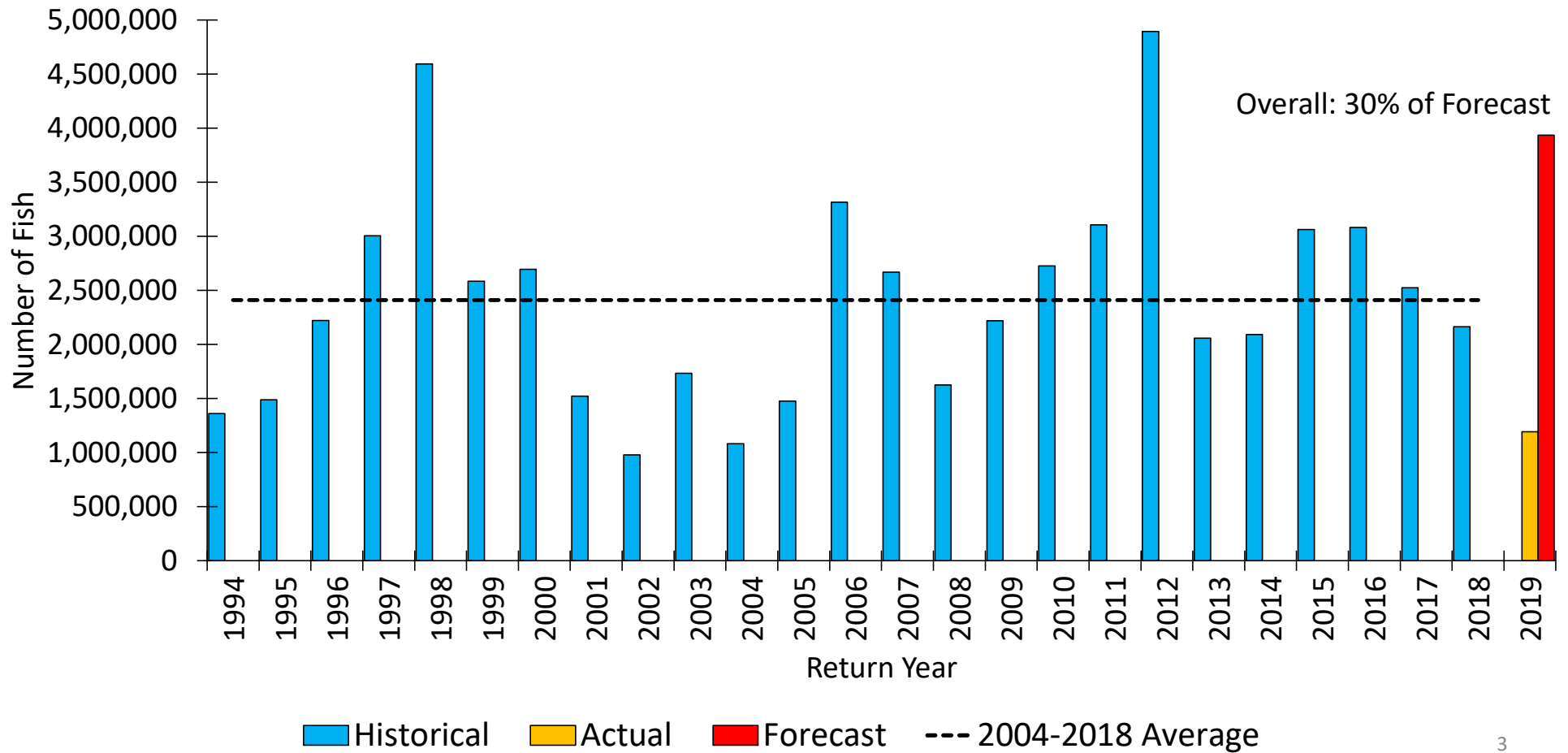


2019 Summer Chum: Forecast vs. Actual



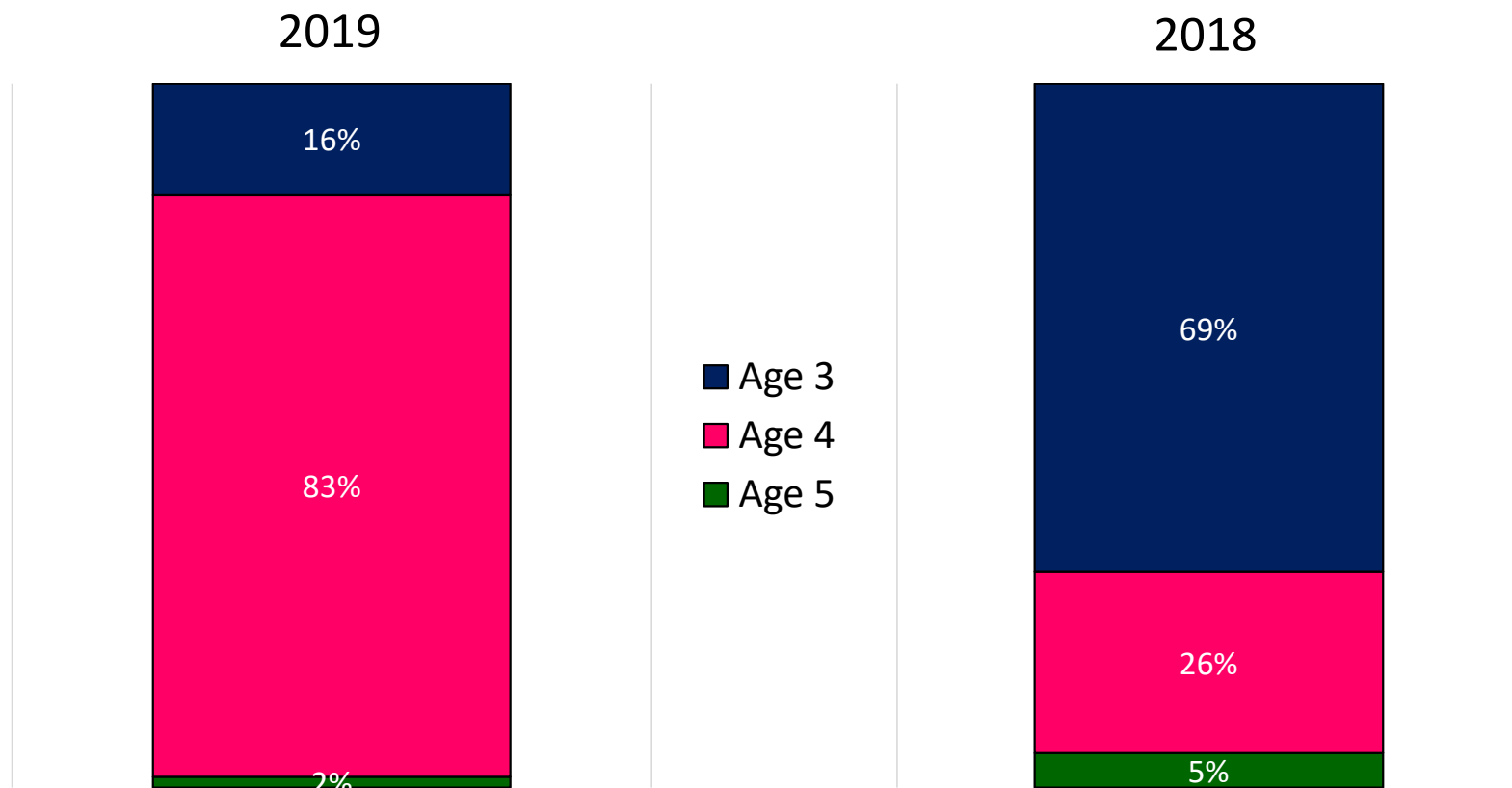


2019 Summer Chum: Forecast vs. Actual



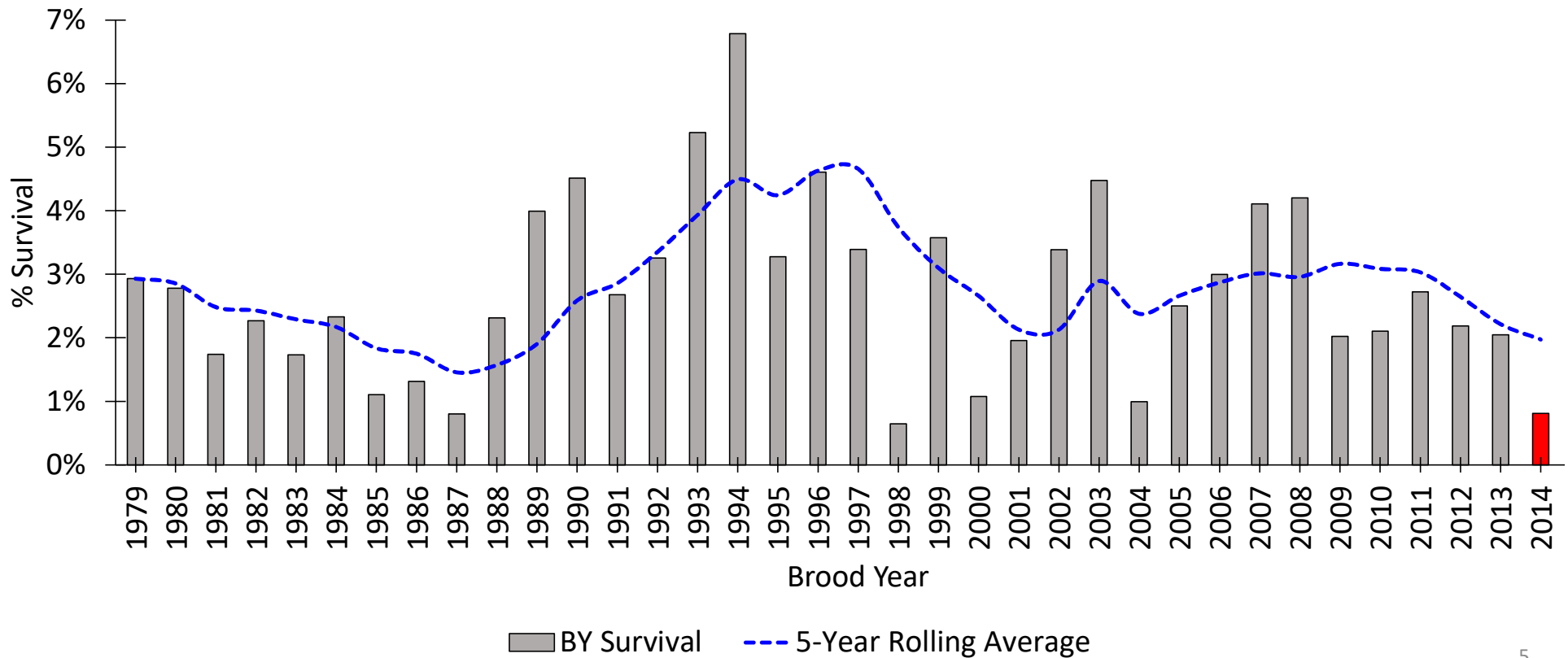


2019 Summer Chum Age-Class Composition



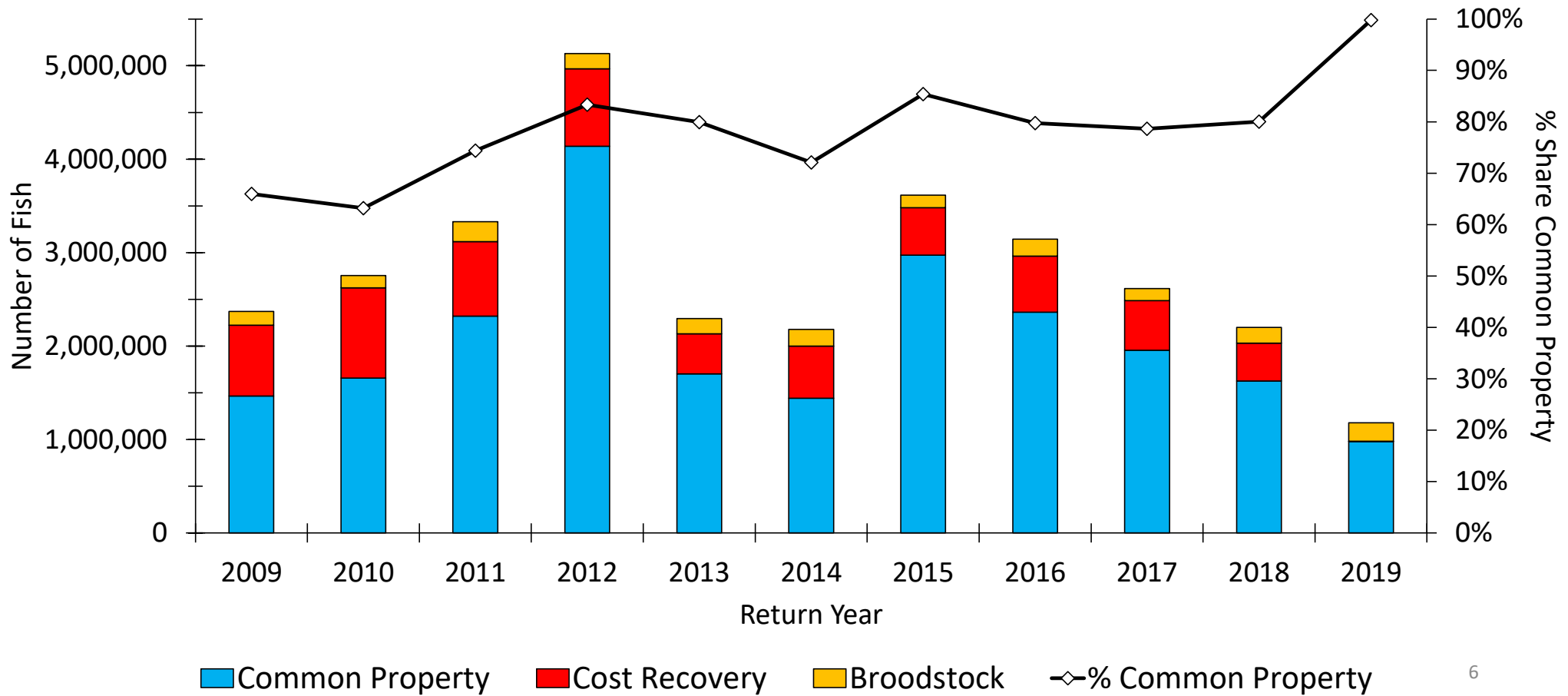


Average SSRAA Summer Chum Survival by Brood Year - All Sites



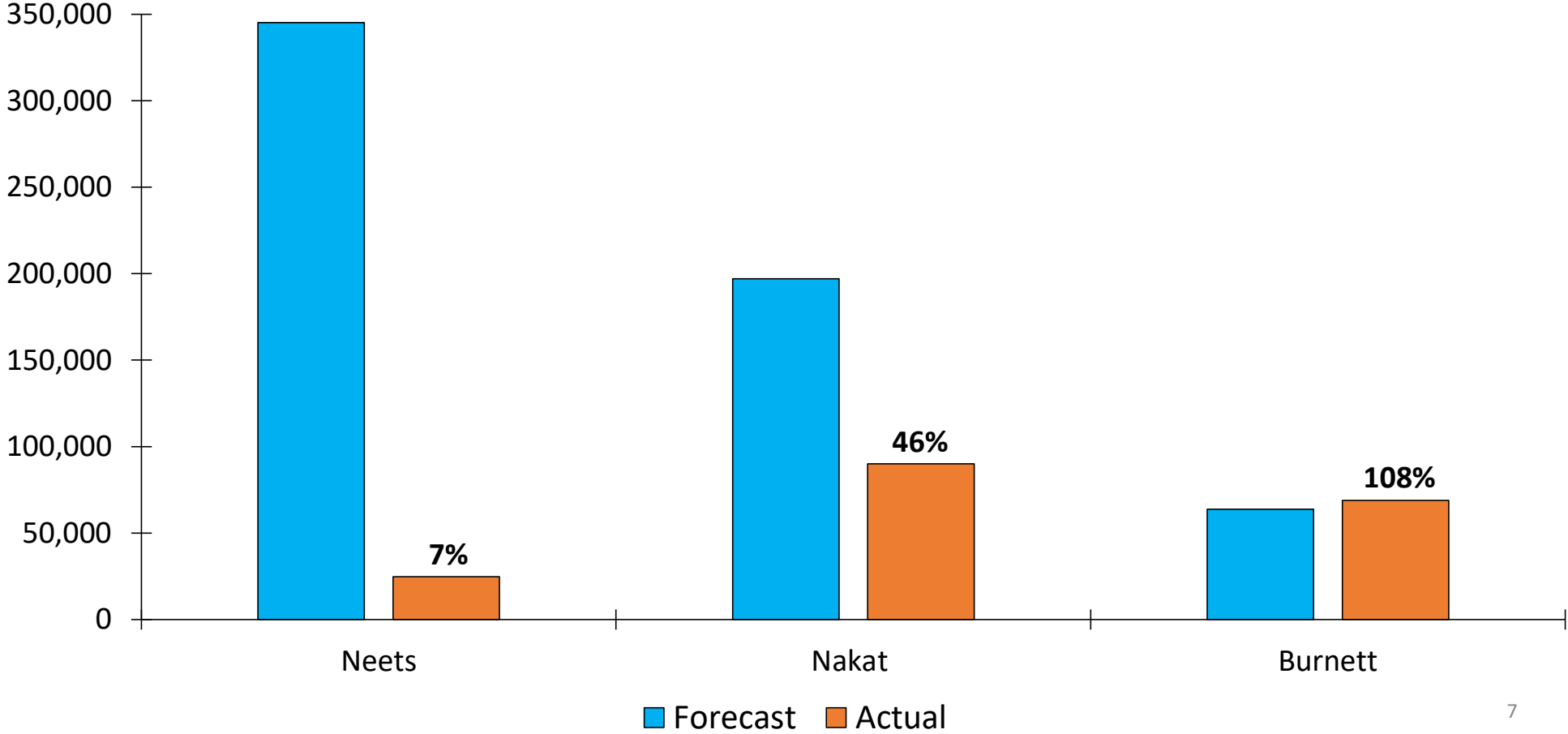


SSRAA Summer Chum Harvest Breakdown



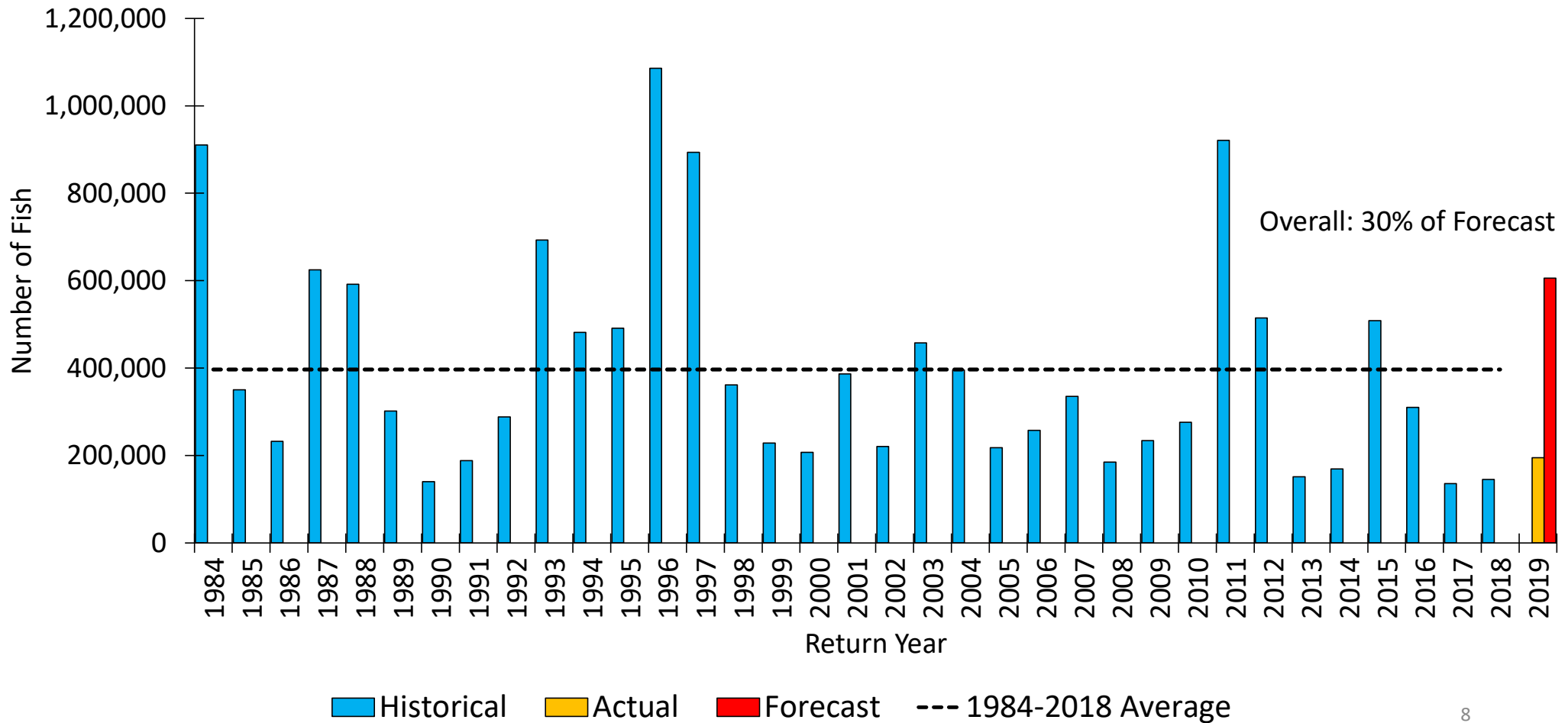


2019 Fall Chum: Forecast vs. Actual



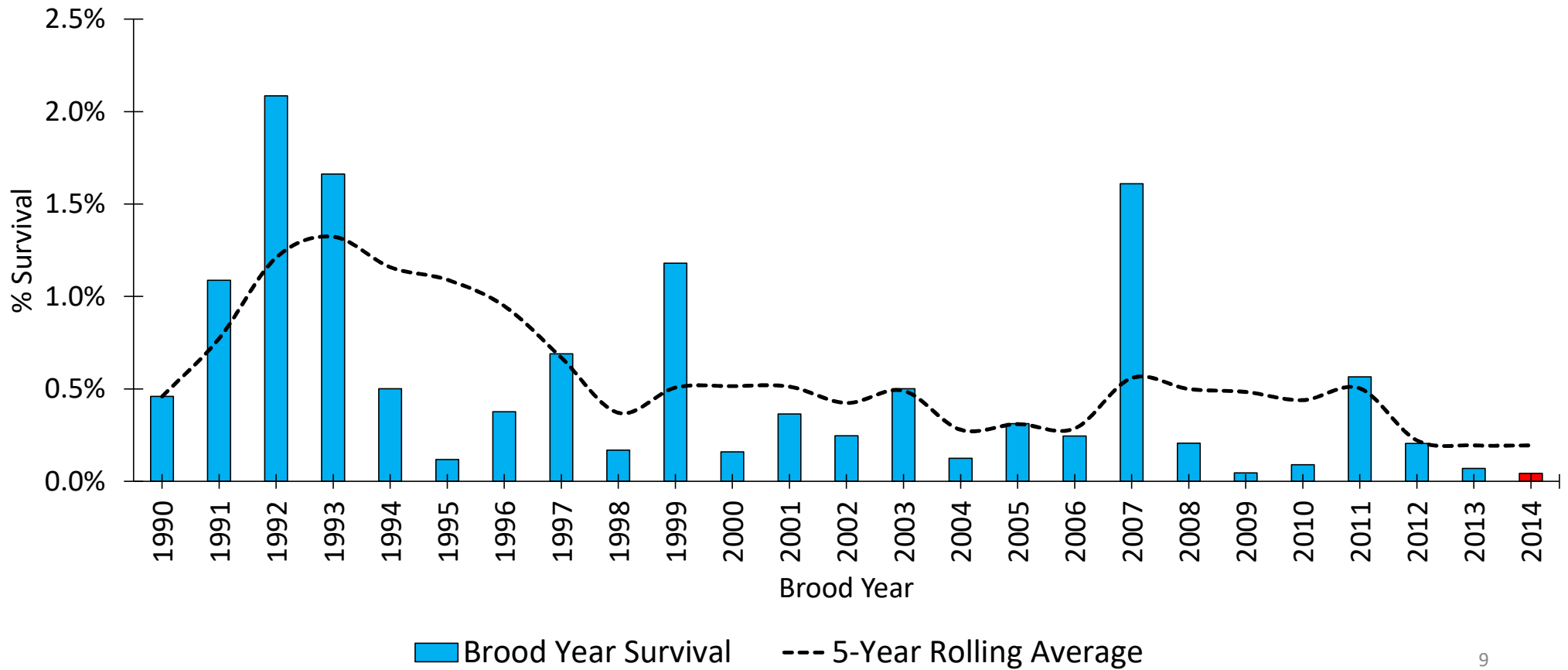


2019 Fall Chum: Forecast vs. Actual





Average SSRAA Fall Chum Survival by Brood Year - All Sites



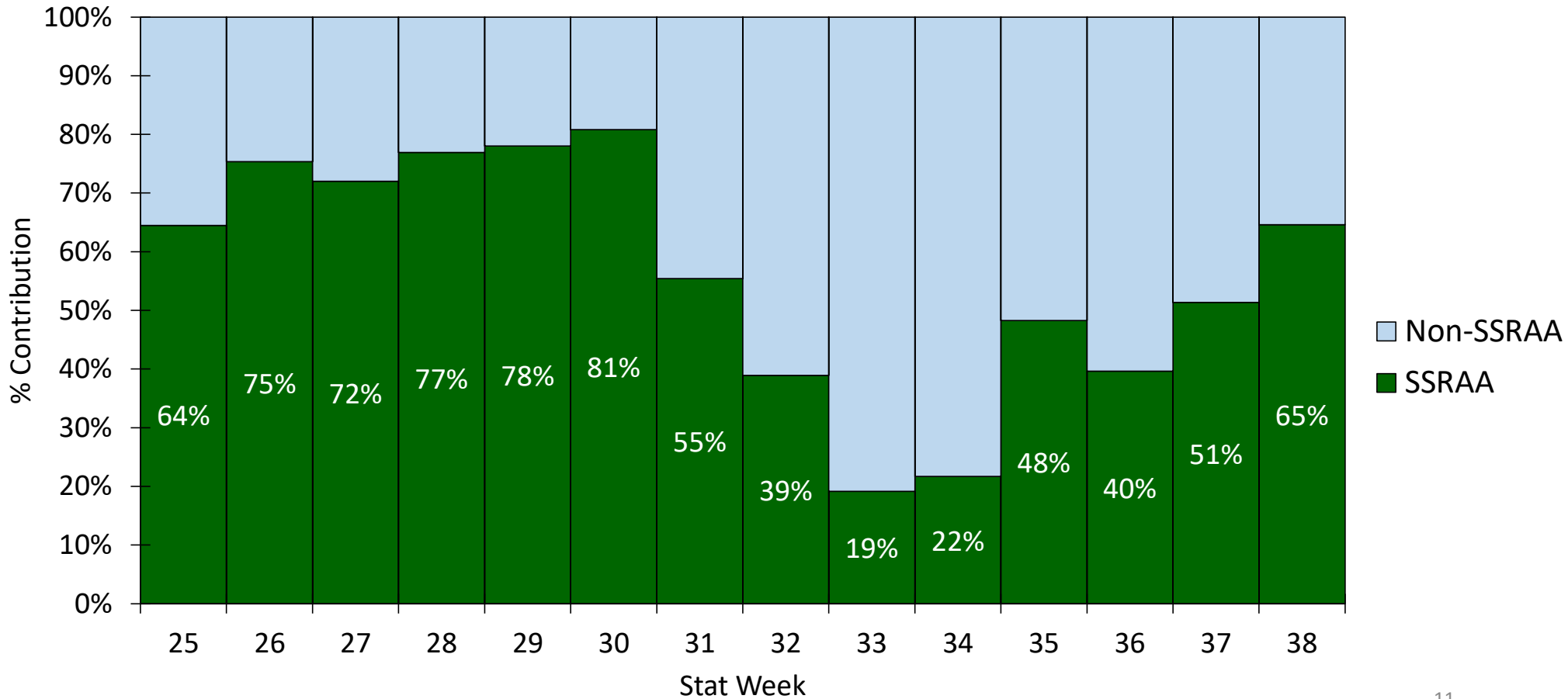


SSRAA Chum Contribution to SSE Traditional Fisheries

Gear	District	Summer and Fall Chum		% SSRAA
		SSRAA	Non-SSRAA	
Gillnet	101	116,838	65,610	64%
	106	76,295	36,635	68%
	108	47,504	3,154	94%
Total		240,636	105,400	70%
Seine	101	76,118	148,451	34%
	102	231,927	166,946	58%
	103	8,352	105,620	7%
	104	29,496	145,723	17%
	106	14,713	10,022	59%
	107	187,277	19,410	91%
Total		547,883	596,172	48%
Troll	101	4,570	1,390	77%
	106	674	23	97%
Total		5,244	1,413	79%
Grand Total		793,763	702,984	53%

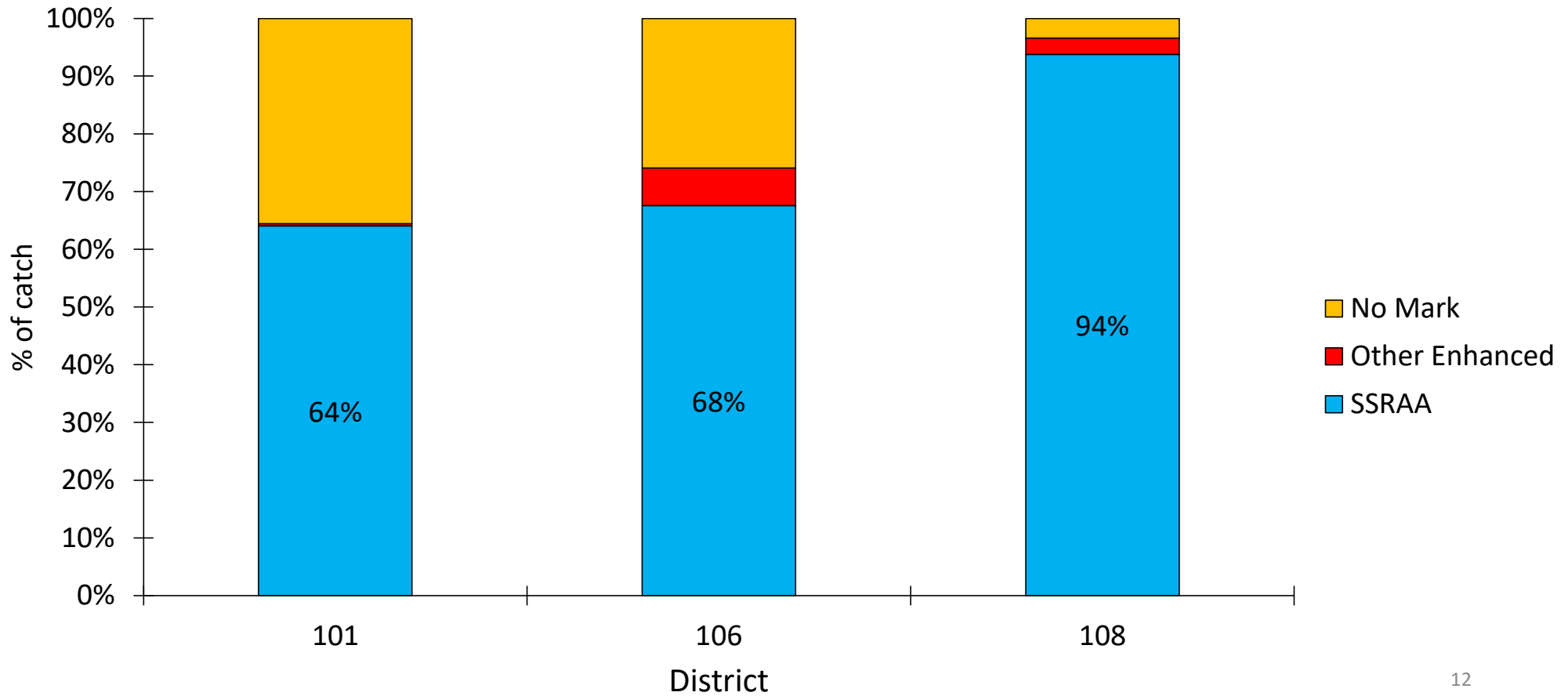


% Contribution to SSE Traditional Chum Fisheries



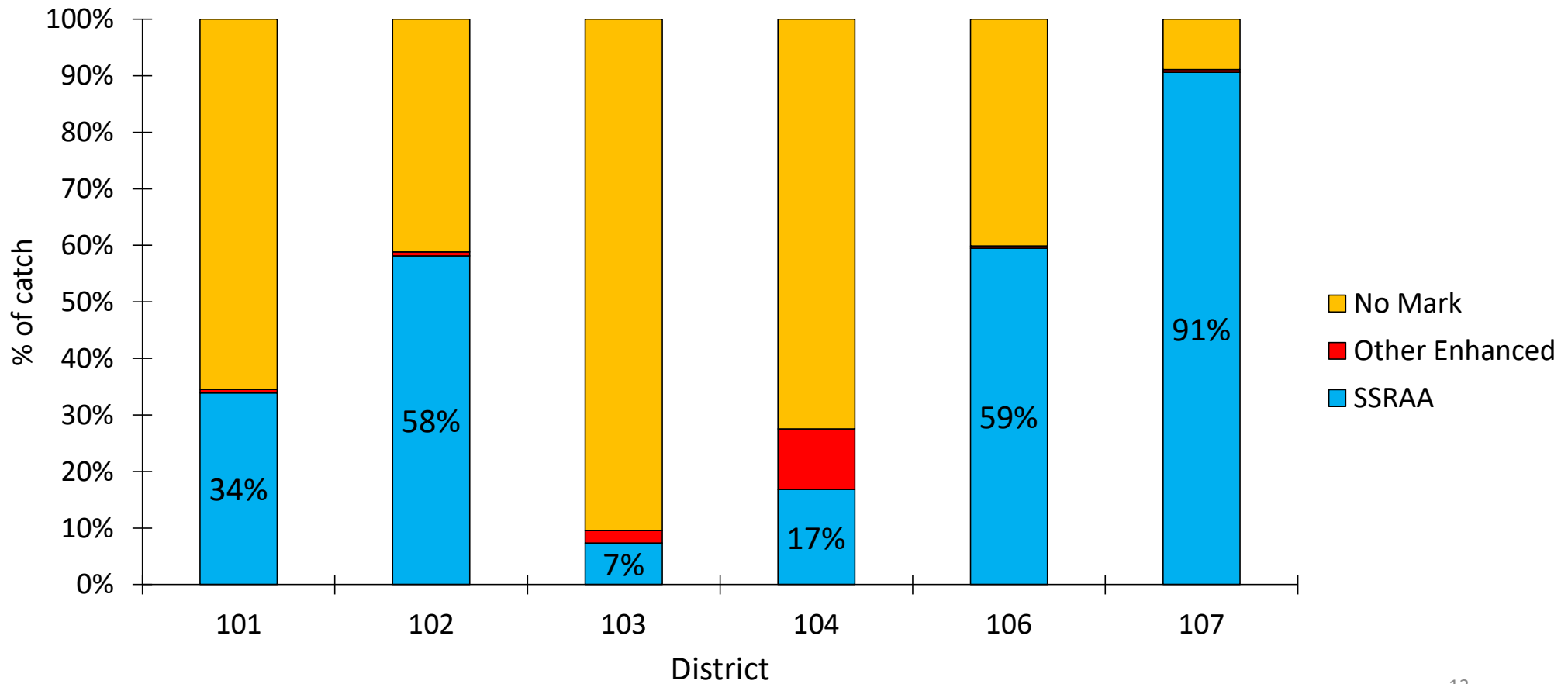


SSE Traditional Chum Salmon Gillnet Catch



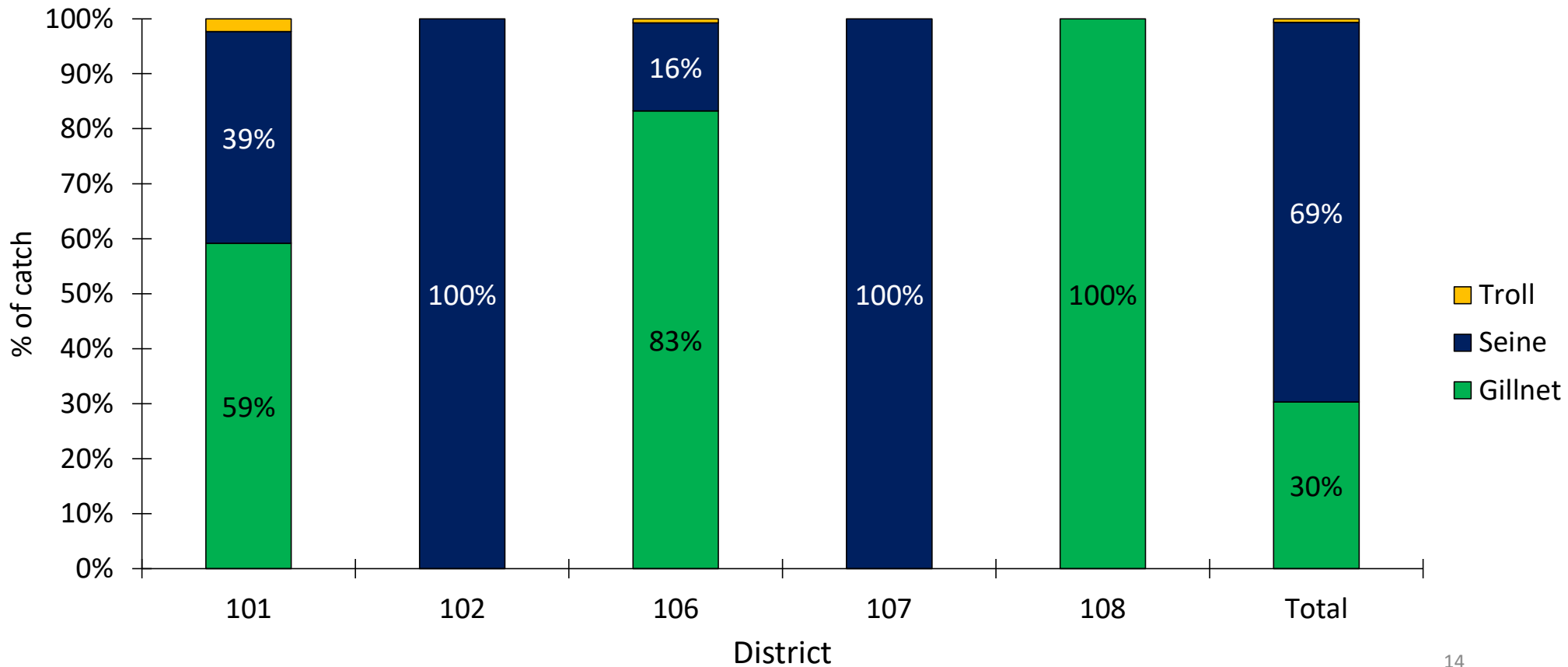


SSE Traditional Chum Salmon Seine Catch





SSRAA Chum Contribution to Traditional Fisheries by District



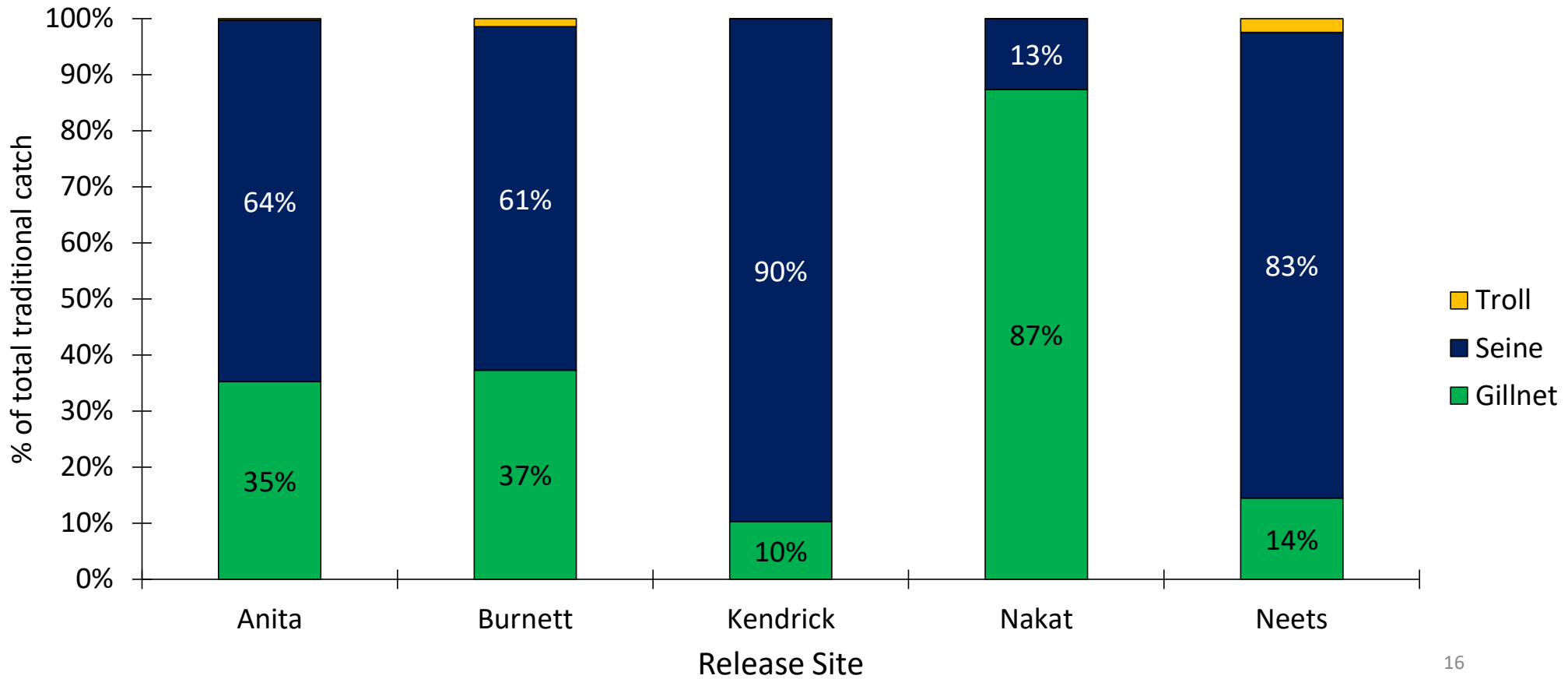


SSRAA Chum Traditional Catch by Release Site

Season	Site	Gear			Grand Total
		Gillnet	Seine	Troll	
Summer	Anita	66,200	120,900	500	187,700
	Burnett	14,200	23,400	600	38,200
	Kendrick	25,500	221,800	100	247,500
	Nakat	41,500	6,000	0	47,500
	Neets	23,500	134,600	4,000	162,100
Summer Total		171,000	507,100	5,200	683,300
Fall	Burnett	19,500	19,500	0	39,100
	Nakat	46,900	9,200	0	56,100
	Neets	3,200	12,100	0	15,300
Fall Total		69,600	40,800	0	110,500
Grand Total		240,600	547,900	5,200	793,800

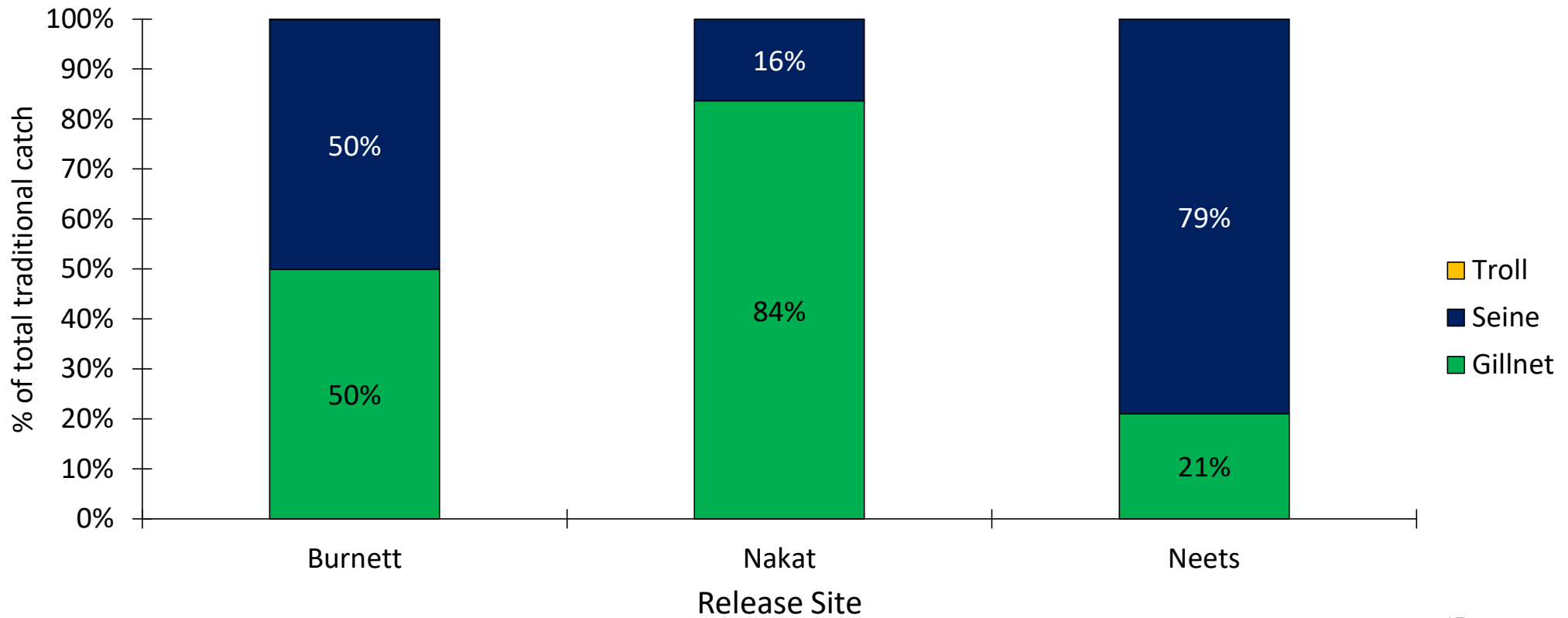


SSRAA Summer Chum Traditional Catch by Release Site



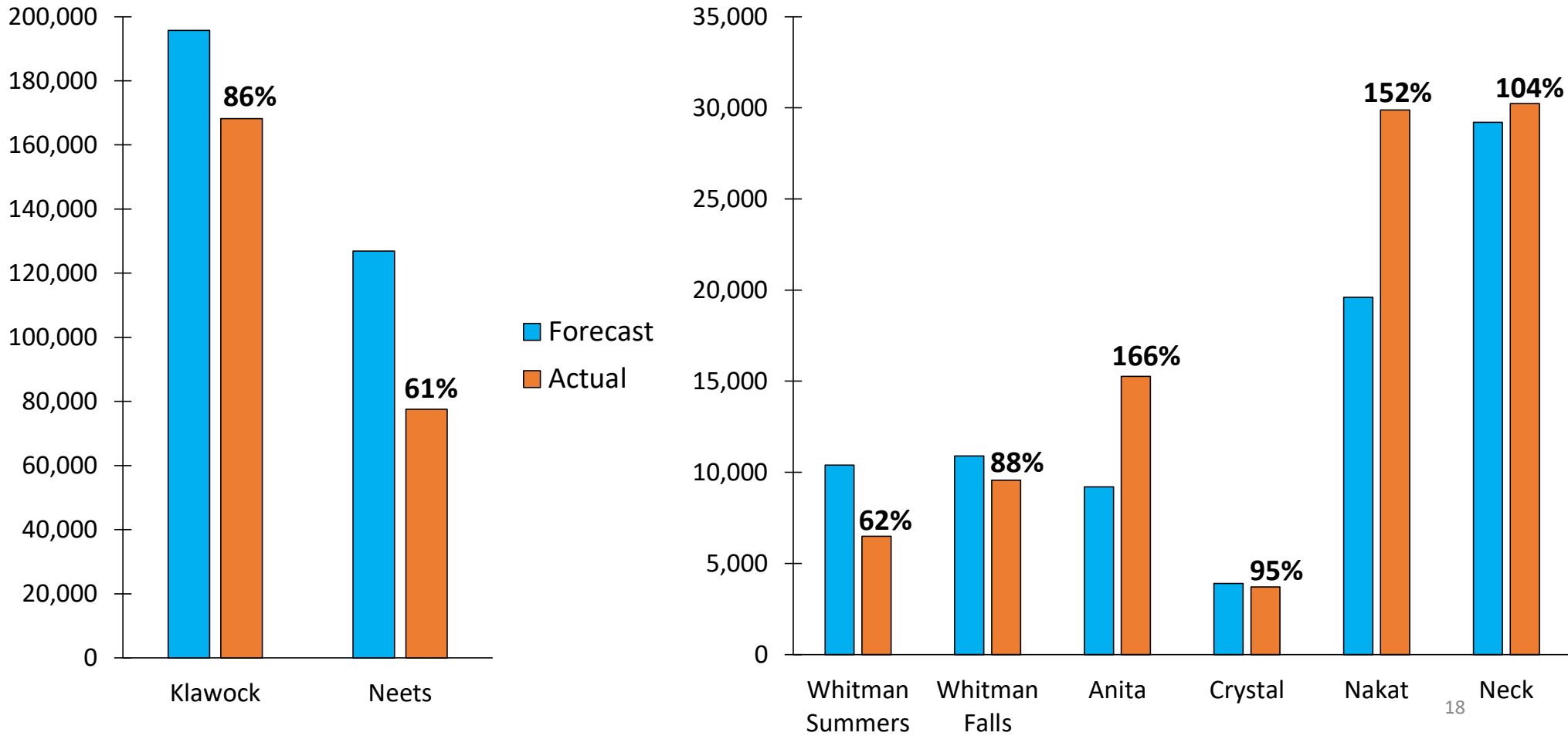


SSRAA Fall Chum Traditional Catch by Release Site



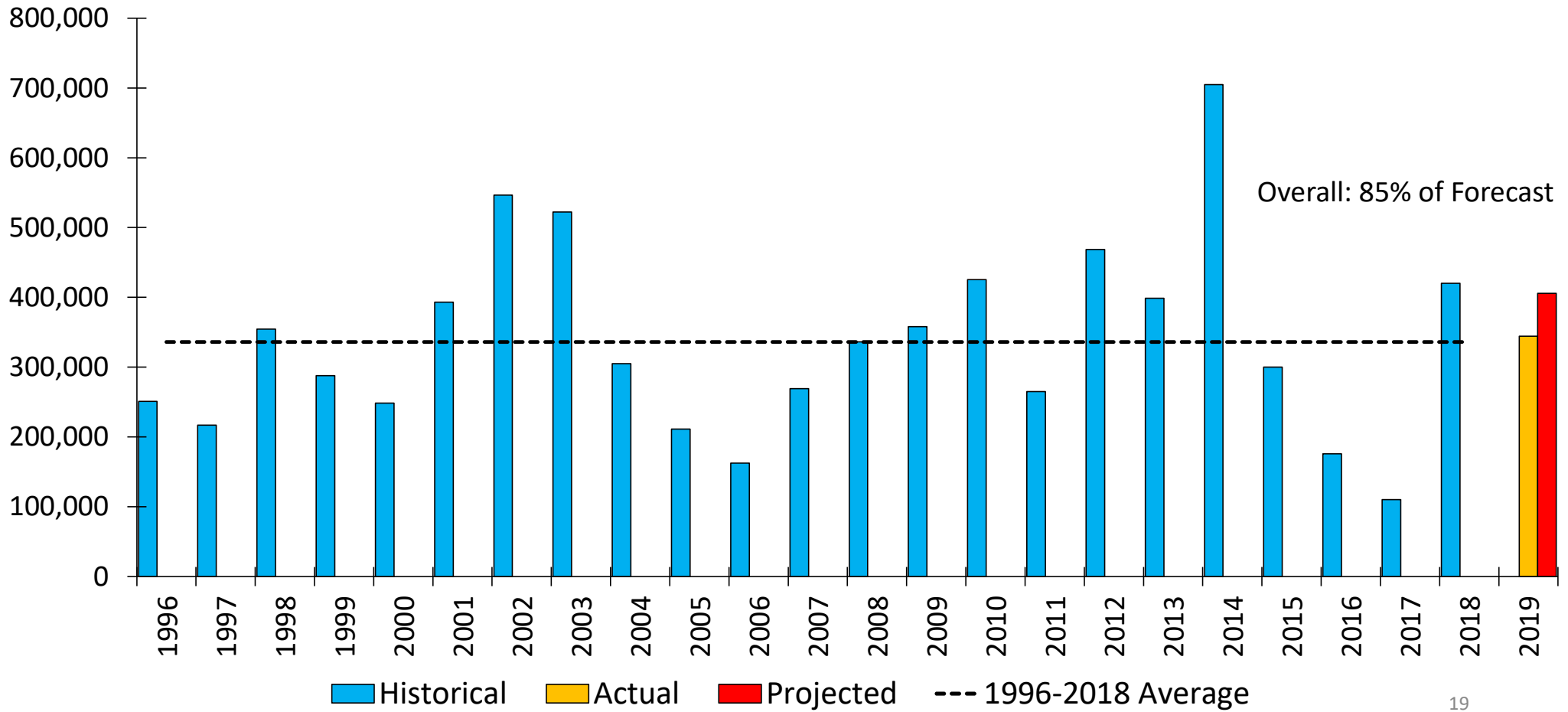


2019 Coho: Forecast vs. Actual



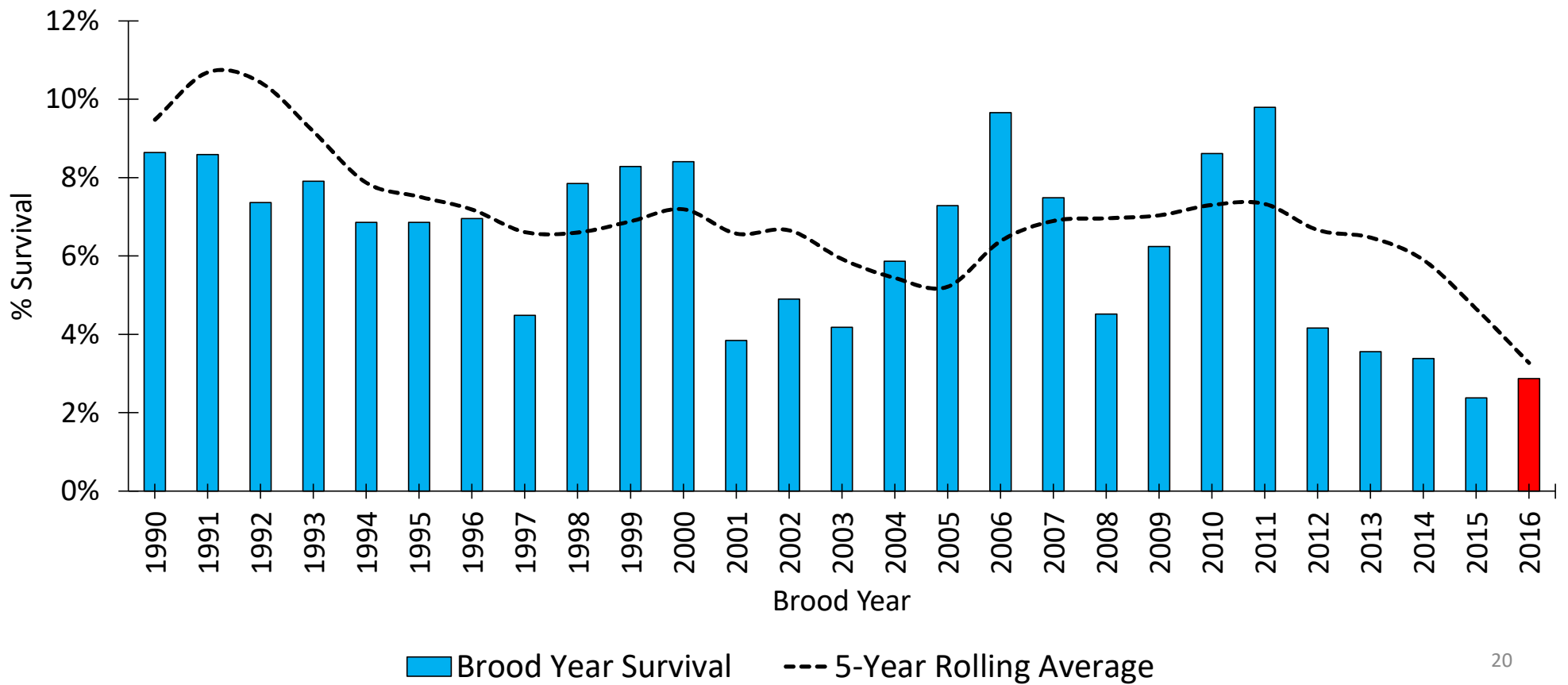


2019 Coho: Forecast vs. Actual



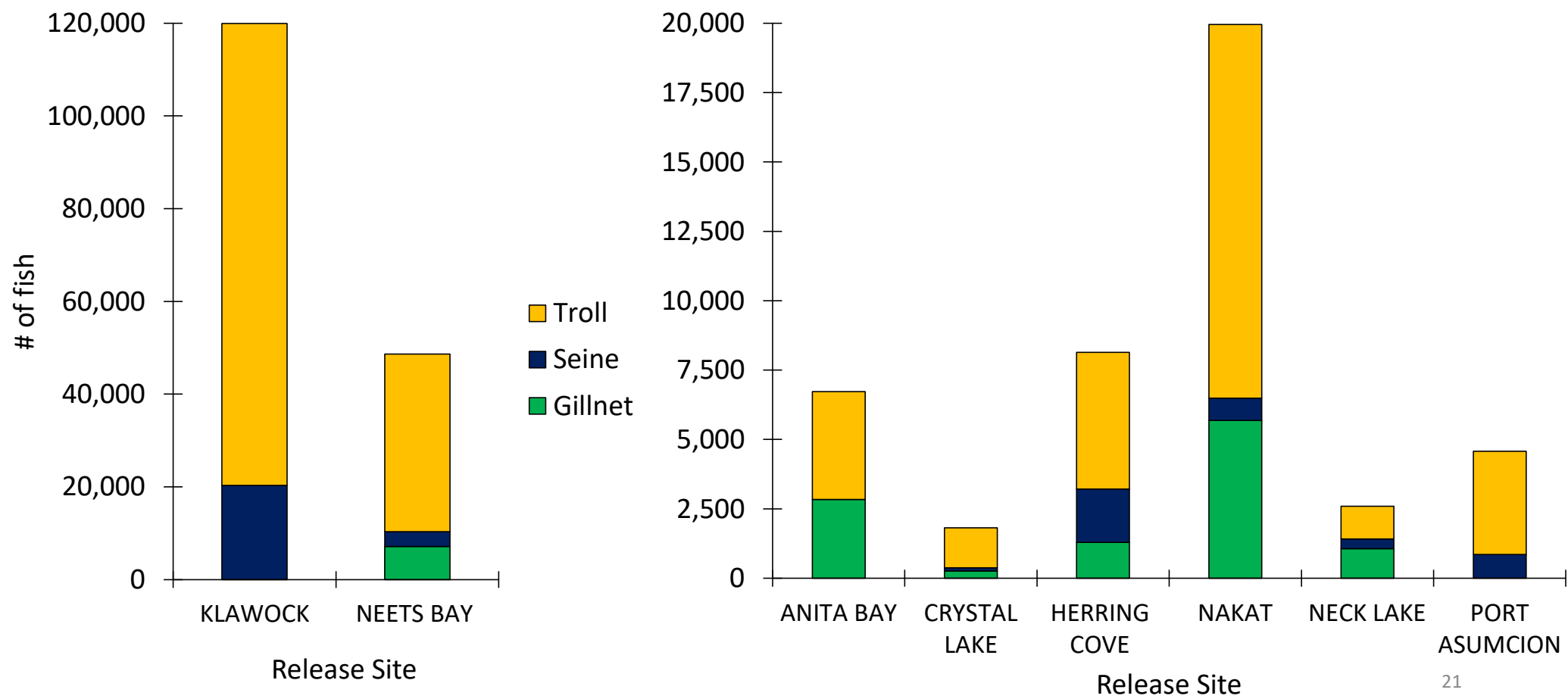


Average SSRAA Coho Survival by Brood Year - All Sites



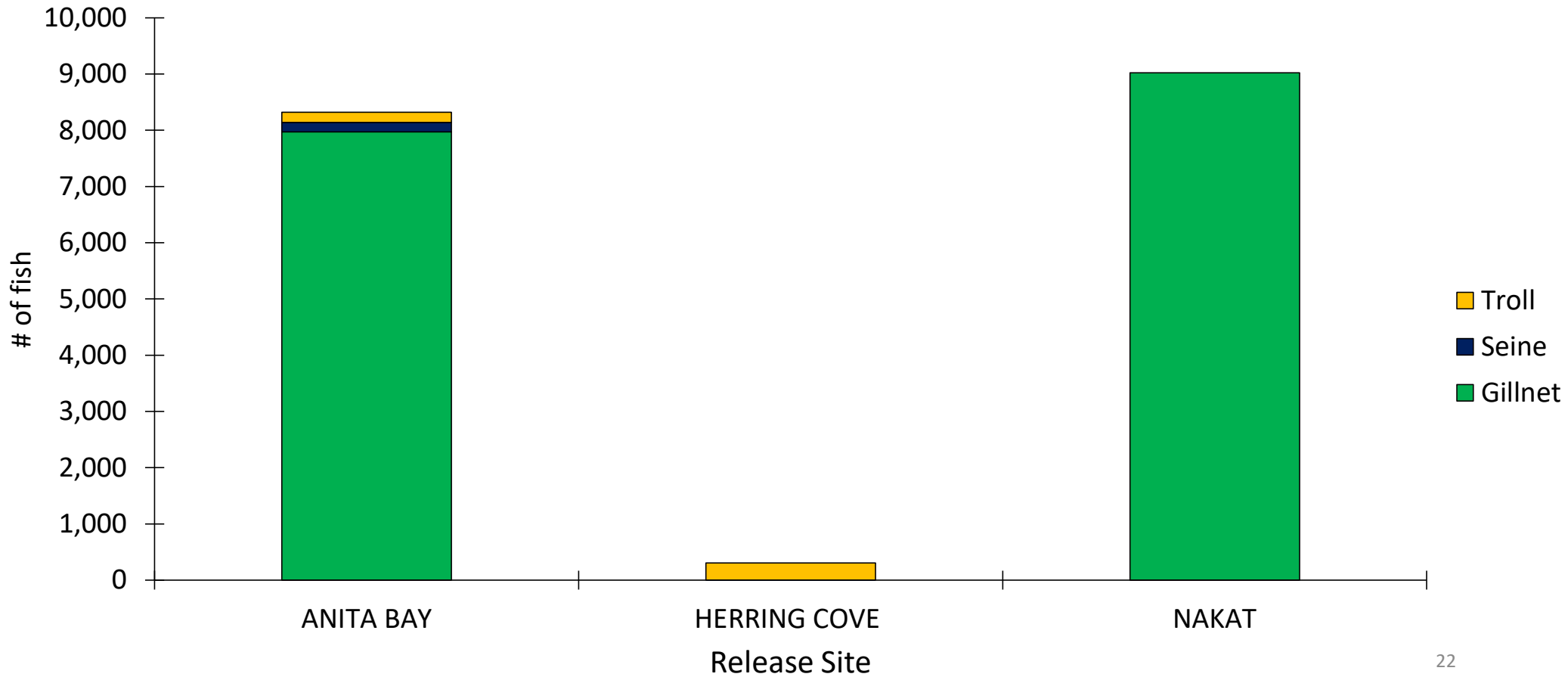


2019 SSRAA Traditional Coho Contribution



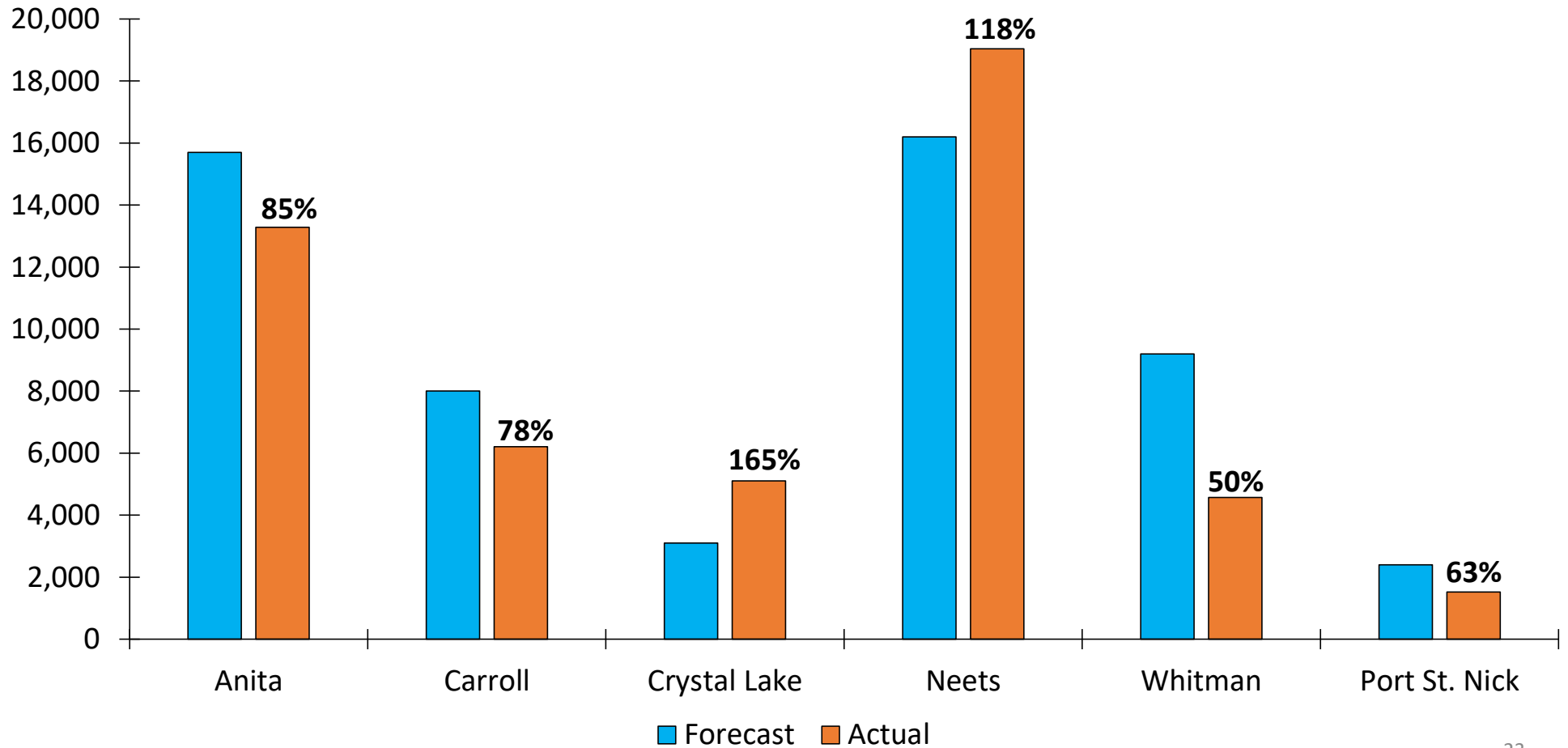


2019 SSRAA Terminal Coho Contribution



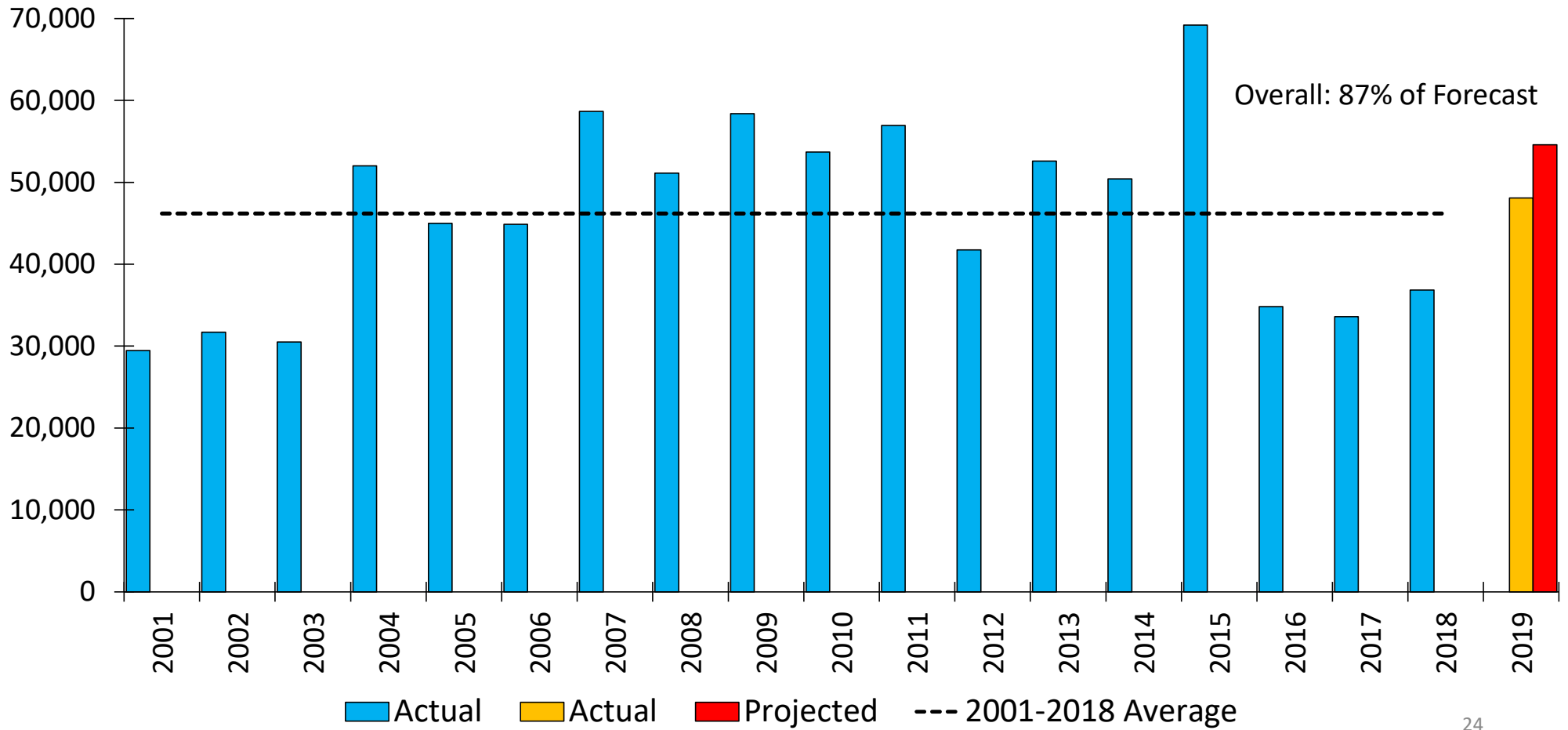


2019 Chinook: Forecast vs. Actual



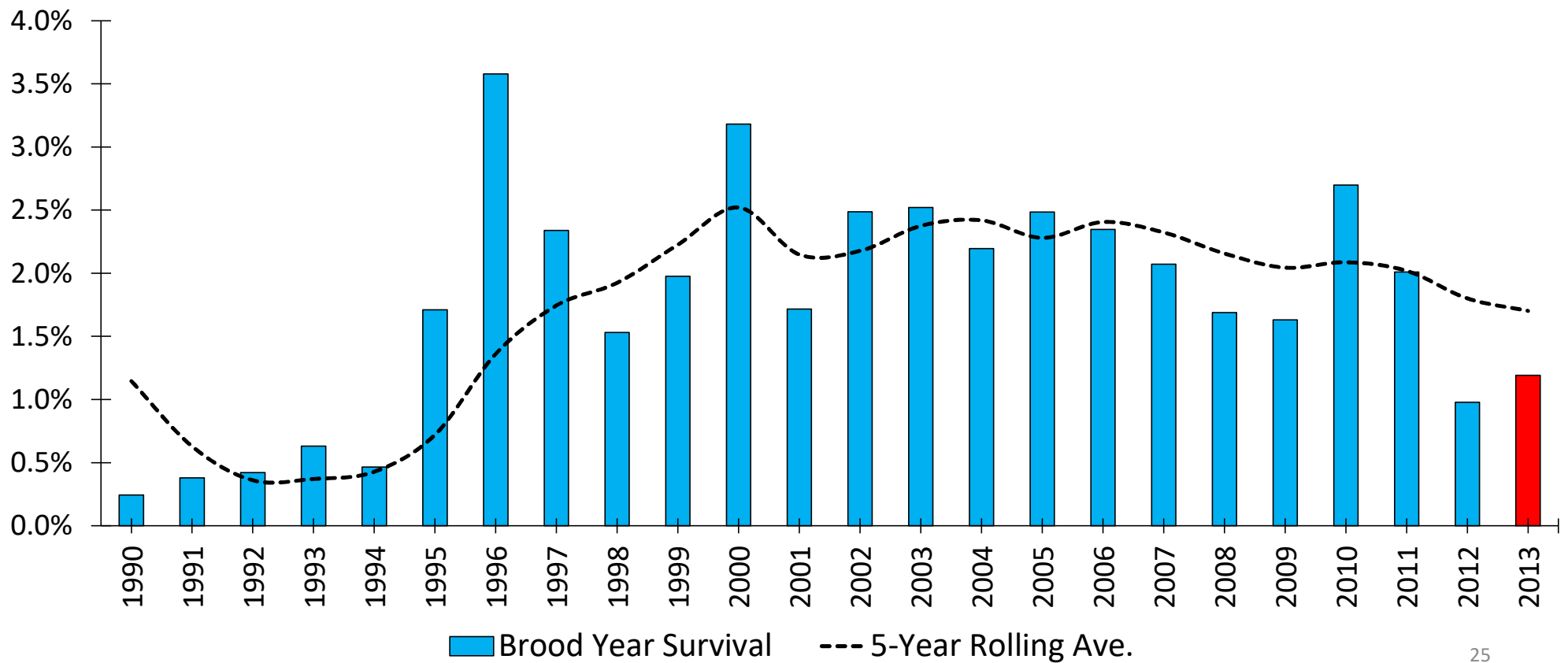


2019 Chinook: Forecast vs. Actual



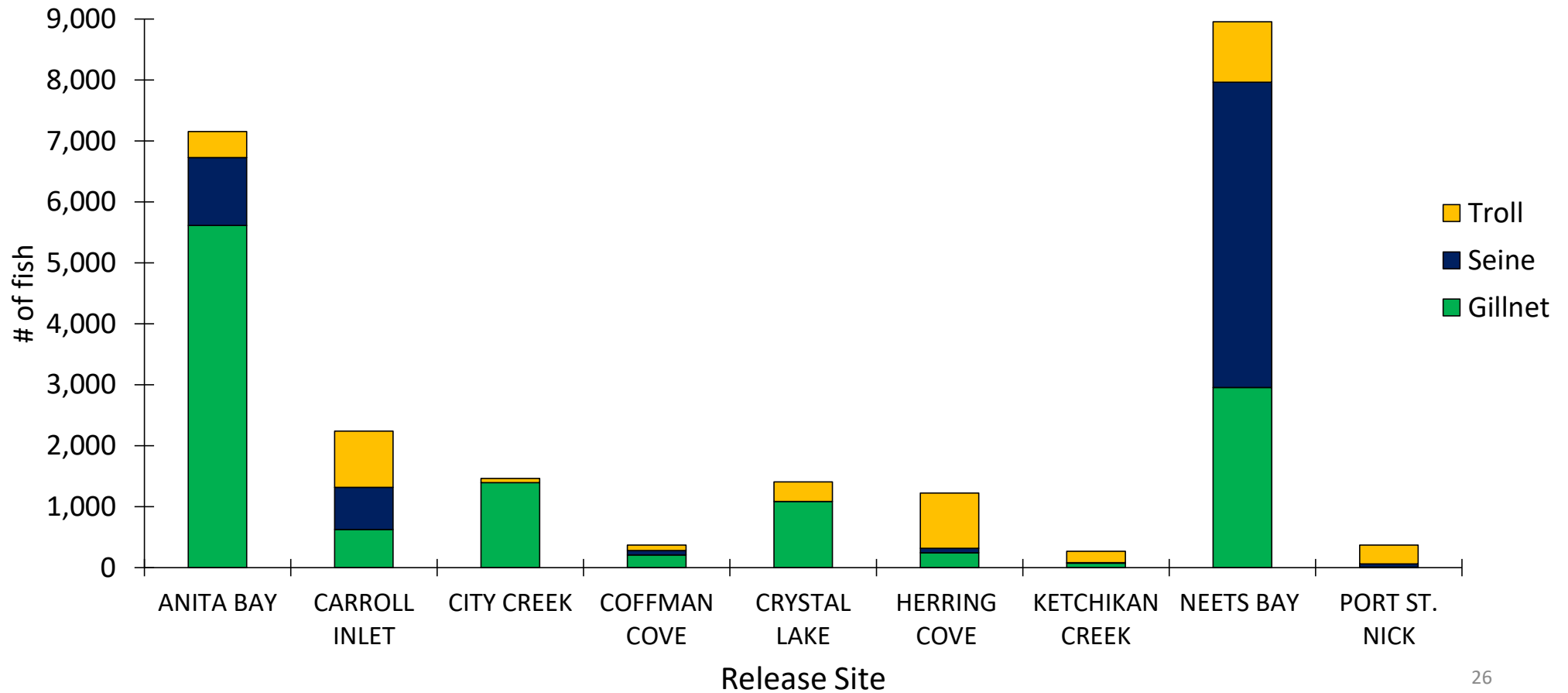


Average SSRAA Chinook Survival by Brood Year - All Sites



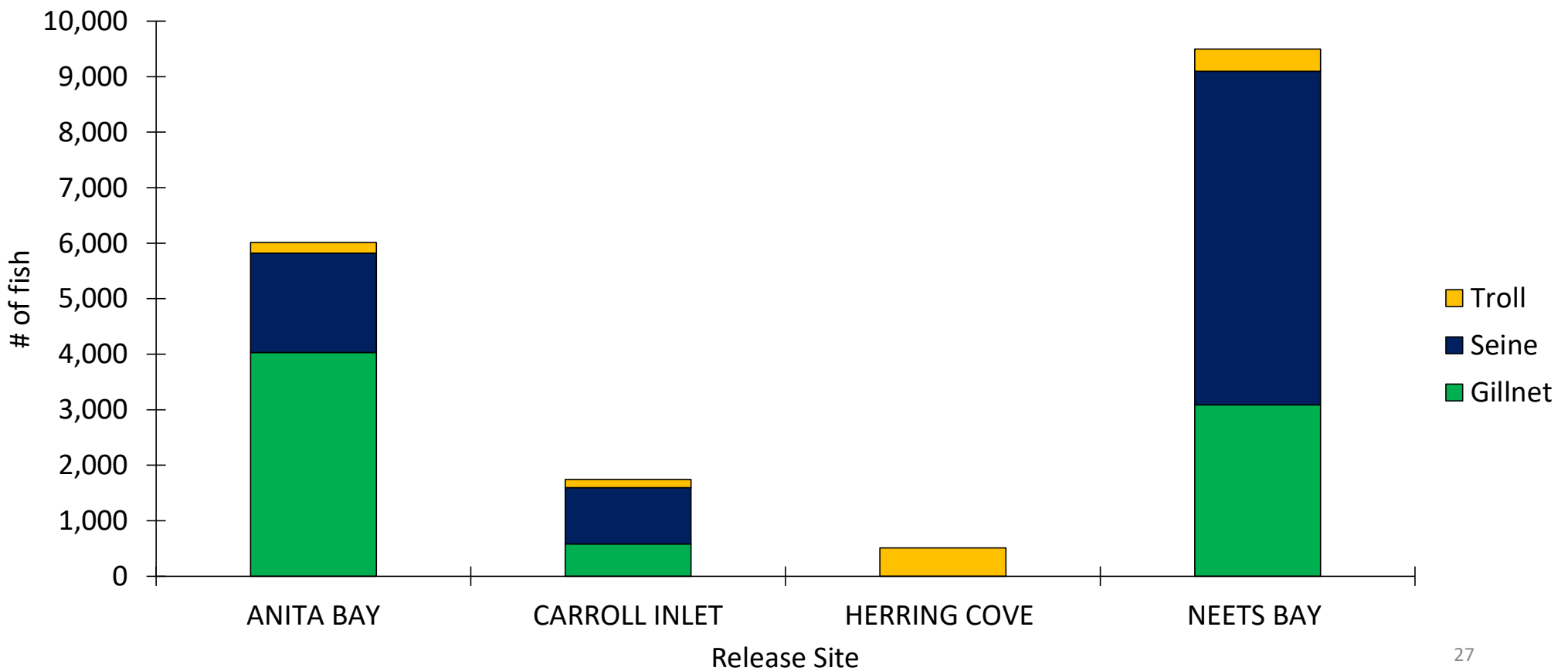


2019 SSRAA Traditional Chinook Contribution





2019 SSRAA Terminal Chinook Contribution



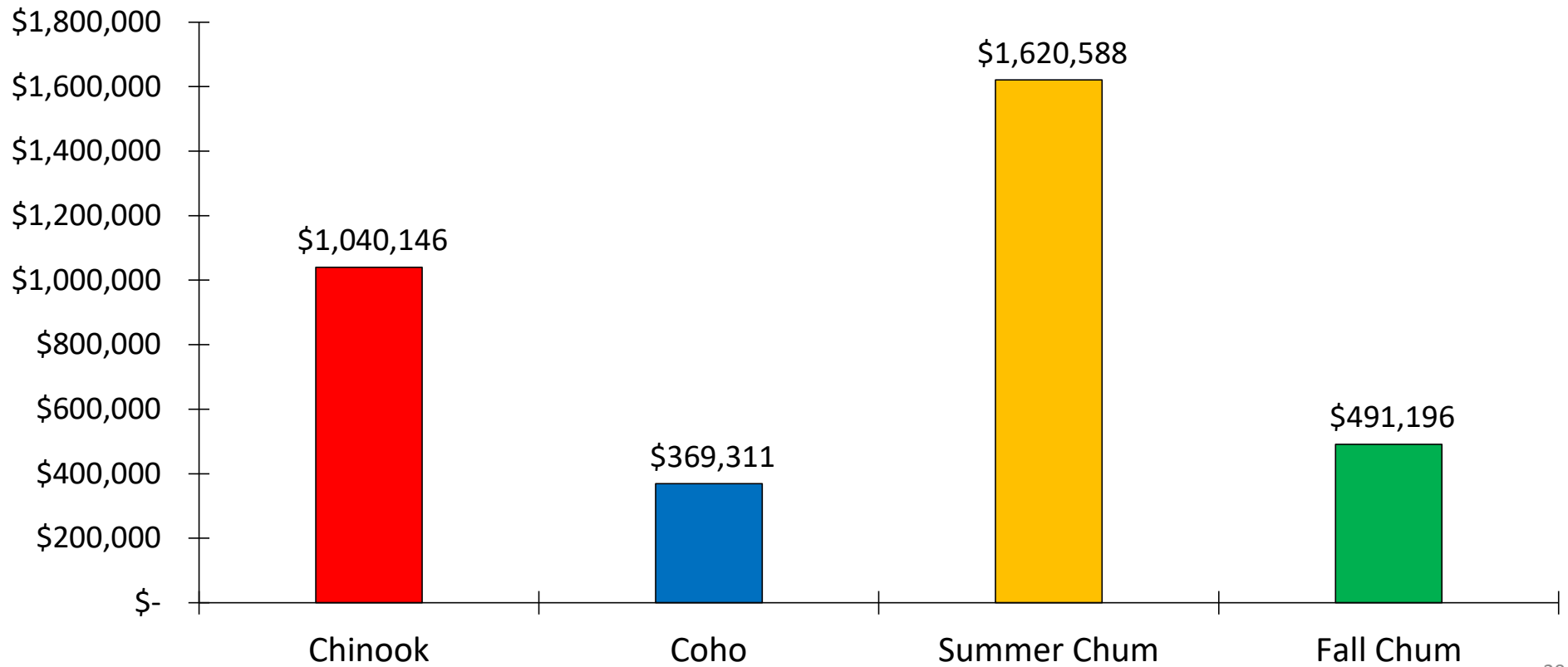


Preliminary 2019 SSRAA Value Estimates

Species	Gillnet		Seine		Troll		Total
Chinook	\$	1,040,100	\$	779,300	\$	411,500	\$ 2,230,900
Coho	\$	369,300	\$	152,400	\$	2,213,100	\$ 2,734,800
Summer Chum	\$	1,620,600	\$	4,211,000	\$	49,800	\$ 5,881,400
Fall Chum	\$	491,200	\$	189,000	\$	300	\$ 680,500
Total	\$	3,521,200	\$	5,331,700	\$	2,674,700	\$ 11,527,600

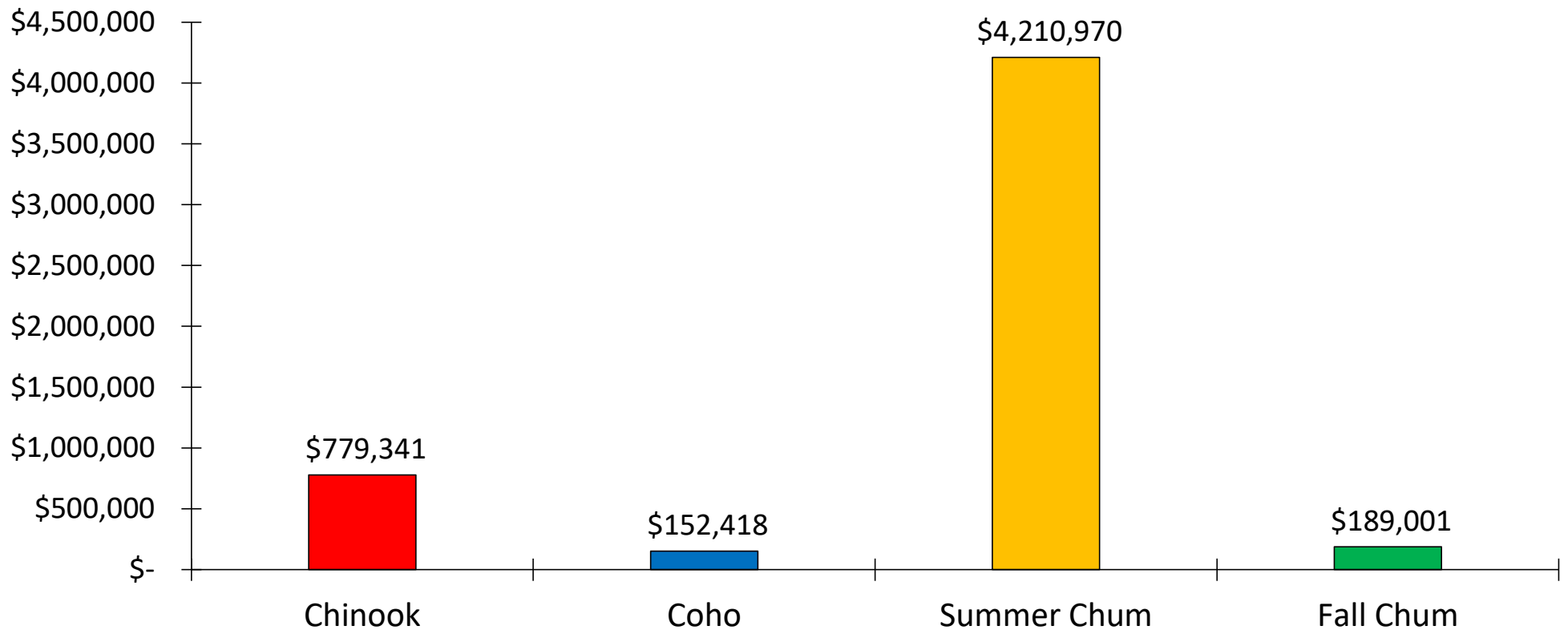


2019 SSRAA Contribution to Gillnet Ex-Vessel Value



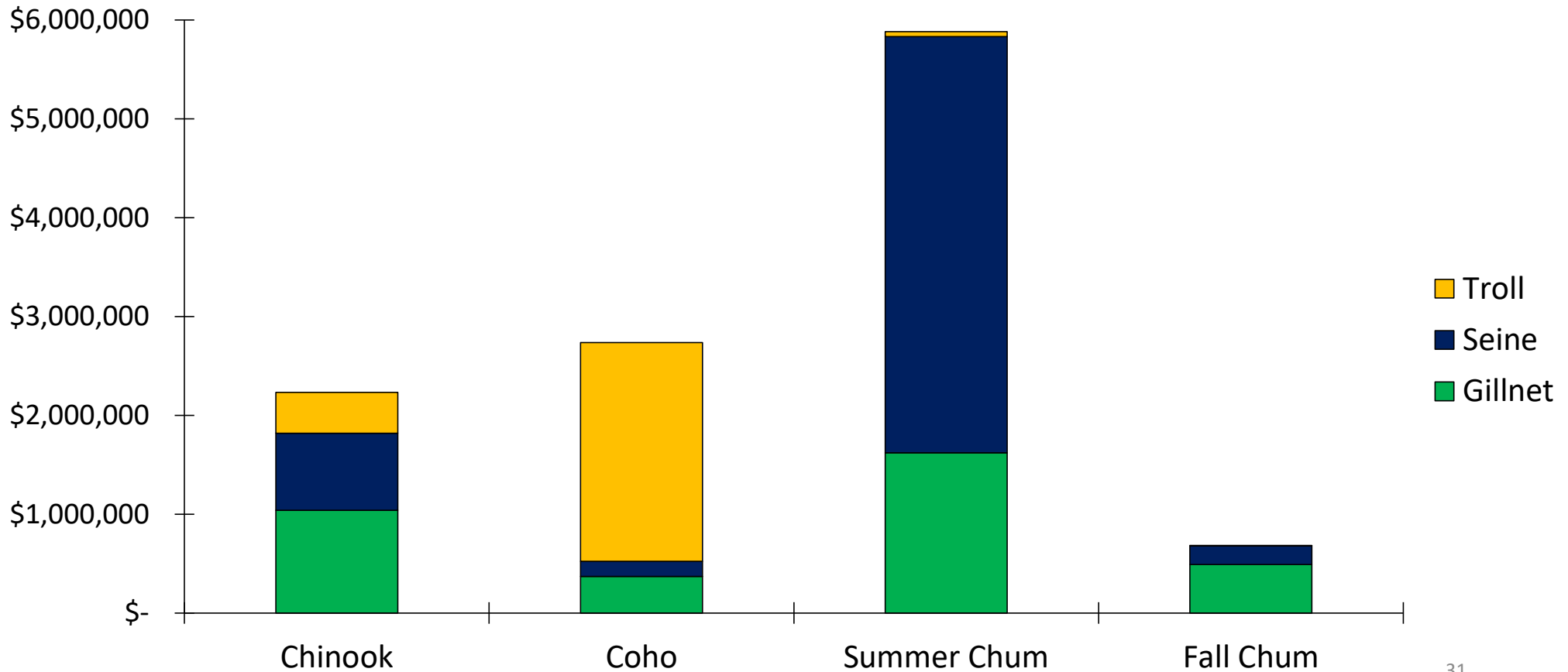


2019 SSRAA Contribution to Seine Ex-Vessel Value





2019 SSRAA Contribution by Species and Gear





Preliminary 2020 SSRAA Chinook Forecast

Chinook

Site	Age 3	Age 4	Age 5	Age 6	Traditional	Terminal	Total	Survival	2019 Return
Anita Bay	200	5,800	9,900	1,000	8,100	8,800	16,900	3.5%	13,200
Carroll Inlet	200	3,400	3,200	200	3,100	3,900	7,000	1.5%	6,200
Crystal Lake	100	800	1,800	300	1,400	1,600	3,000	0.5%	5,100
Neets Bay	200	3,000	7,800	500	5,500	6,000	11,500	2.3%	19,000
Port St. Nick	200	2,700	600	0	800	2,700	3,500	1.5%	1,500
Whitman Lake	200	2,600	4,200	300	2,900	4,400	7,300	1.3%	4,600
Total	1,100	18,300	27,500	2,300	21,800	27,400	49,200		



Preliminary 2020 SSRAA Coho Forecast

Coho					
Site	Traditional	Terminal	Total	Survival	2019 Return
Anita Bay	8,900	3,000	11,900	2.5%	15,300
Crystal Lake	3,800	2,500	6,300	3.0%	3,700
Klawock	111,200	47,600	158,800	4.0%	168,200
Nakat	20,800	8,900	29,700	5.0%	30,000
Neck Lake	8,300	5,500	13,800	1.5%	30,200
Neets Bay	76,200	32,600	108,800	2.7%	76,800
Port Asumcion	4,100	1,800	5,900	2.0%	4,800
Whitman Falls	6,700	2,900	9,500	3.0%	9,600
Whitman Summers	3,100	3,100	6,200	3.0%	5,600
Total	243,100	107,900	350,900		



Preliminary 2020 SSRAA Chum Forecast

Species	Site	Age 3	Age 4	Age 5	Traditional	Terminal	Total
Summer Chum	Anita	90,700	204,400	71,200	238,100	128,200	366,300
	Burnett	116,100	176,600	12,400	152,600	152,600	305,100
	Kendrick	149,000	290,800	11,800	338,700	112,900	451,600
	Nakat	59,300	59,600	10,000	64,500	64,500	128,900
	Neets	301,400	338,100	22,800	231,800	430,500	662,300
	Total	716,500	1,069,500	128,200	1,025,700	888,700	1,914,200
Fall Chum	Burnett	3,200	16,400	22,400	21,000	21,000	42,000
	Nakat	0	27,900	29,700	37,400	20,200	57,600
	Neets	5,000	34,900	13,000	15,900	37,000	52,900
	Total	8,200	79,200	65,100	74,300	78,200	152,500

Species	Site	Low	Mid	High
Summer Chum	Anita	219,800	366,300	500,200
	Burnett	150,000	305,100	395,900
	Kendrick	201,400	451,600	801,600
	Nakat	72,300	128,900	255,400
	Neets	532,500	662,300	1,244,100
	Total	1,176,000	1,914,200	3,197,200
Fall Chum	Burnett	7,000	42,000	61,600
	Nakat	25,600	57,600	131,400
	Neets	23,100	52,900	153,400
	Total	55,700	152,500	346,400

Thank you



Questions?

% of Forecast by Age Group

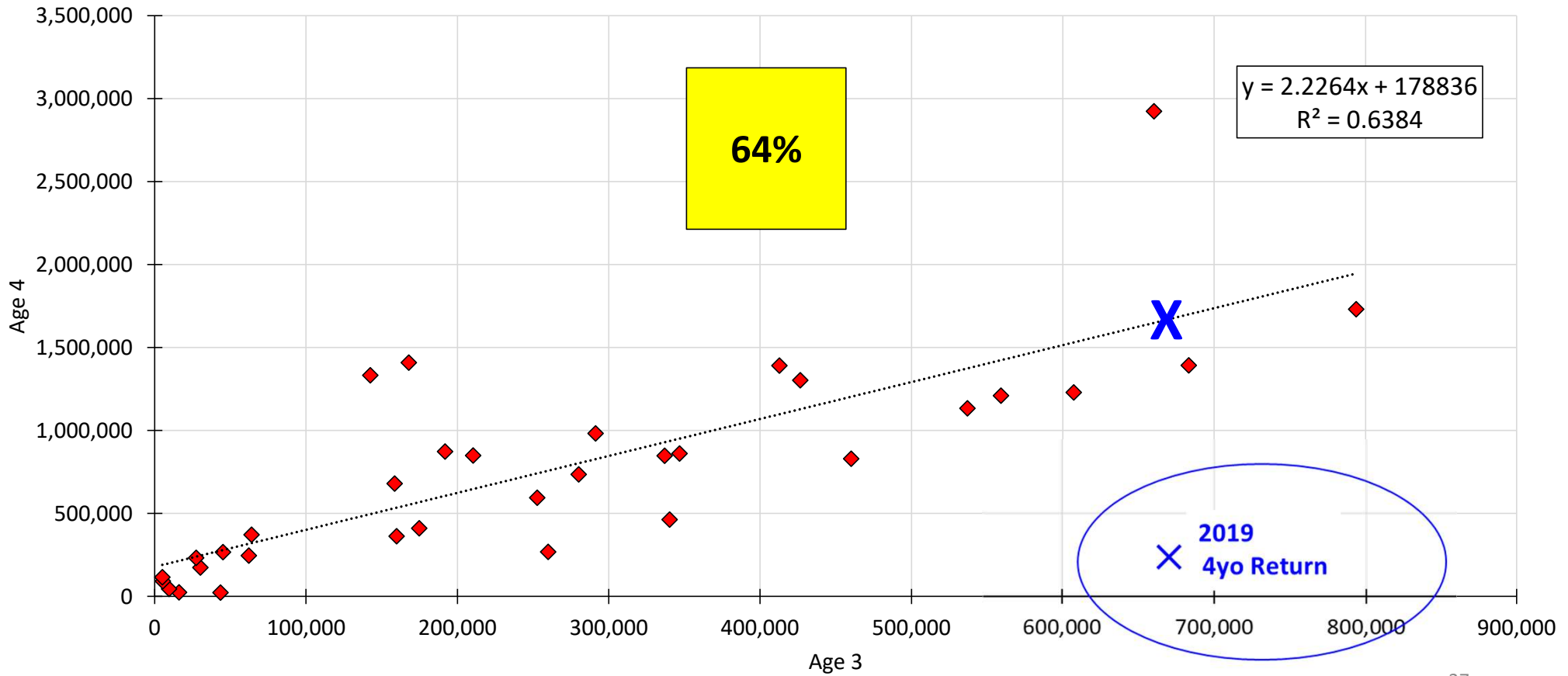
2018

Site	% of Forecast			
	Age 3	Age 4	Age 5	Overall
Anita	305%	31%	29%	86%
Kendrick	285%	11%	29%	77%
Nakat	106%	52%	58%	53%
Neets	201%	35%	18%	80%

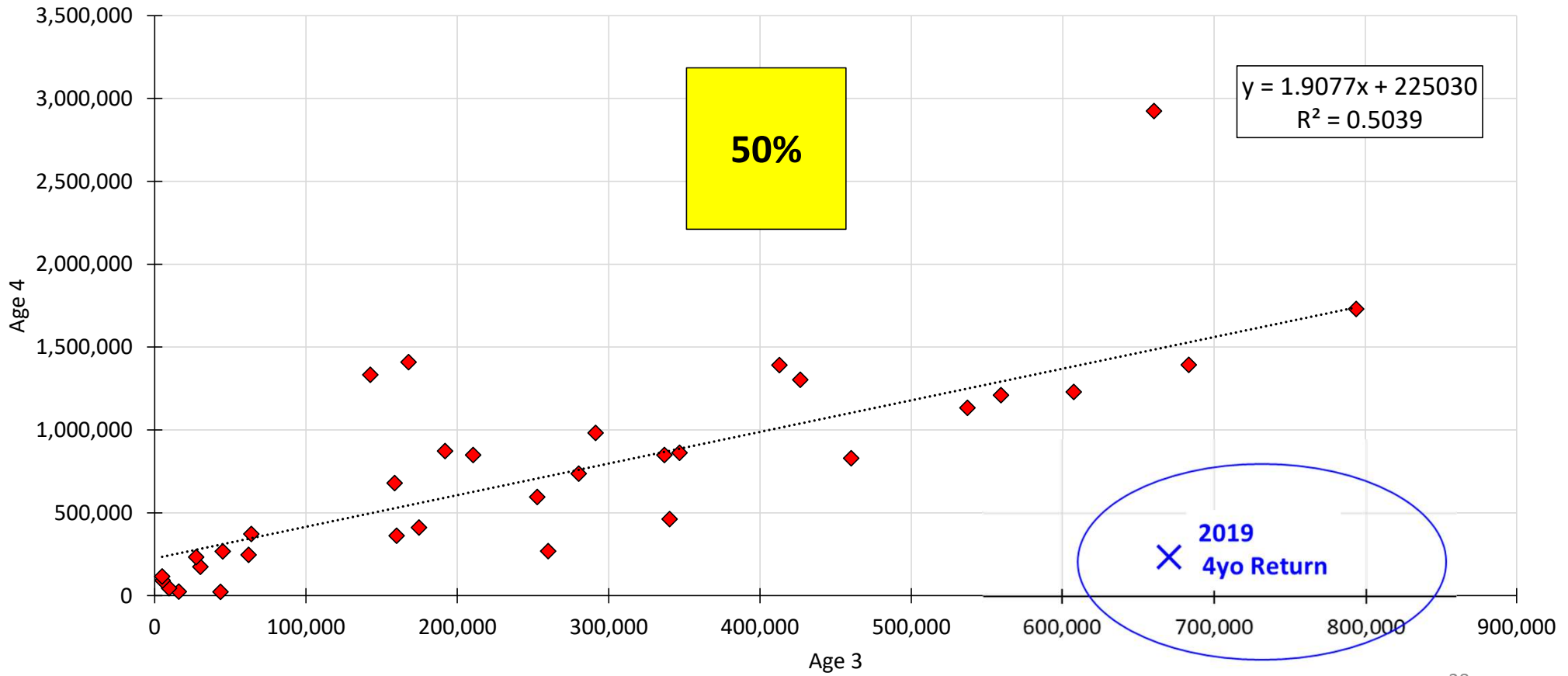
2019

Site	% of Forecast			
	Age 3	Age 4	Age 5	Overall
Anita	33%	63%	31%	58%
Kendrick	9%	36%	48%	32%
Nakat	12%	38%	24%	32%
Neets	21%	17%	46%	18%
Burnett	23%	81%	7%	39%

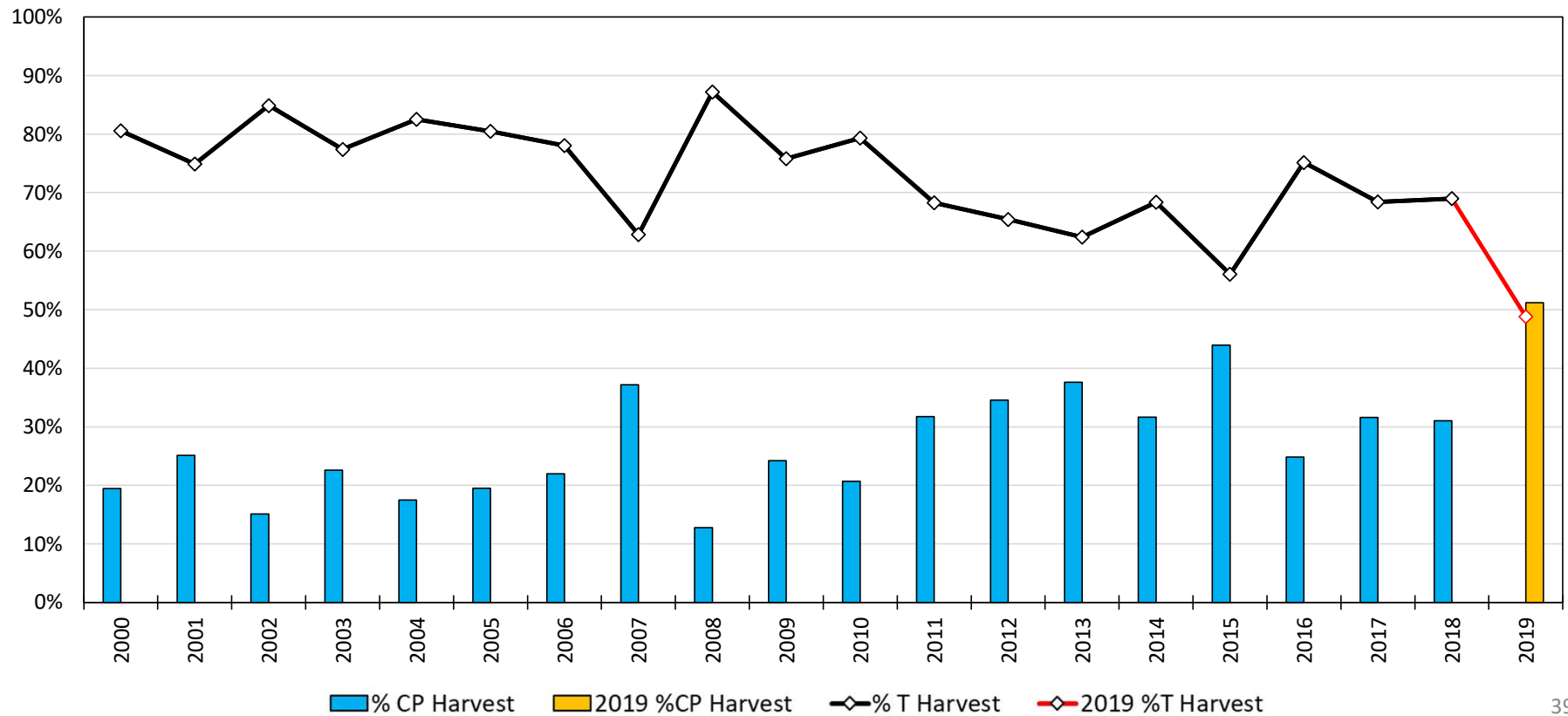
Neets Bay Summer Chum: 3yo vs. 4yo



Neets Bay Summer Chum: 3yo vs. 4yo



Neets Bay Summer Chum Common Property Traditional vs. Terminal Harvest, 2000-2019

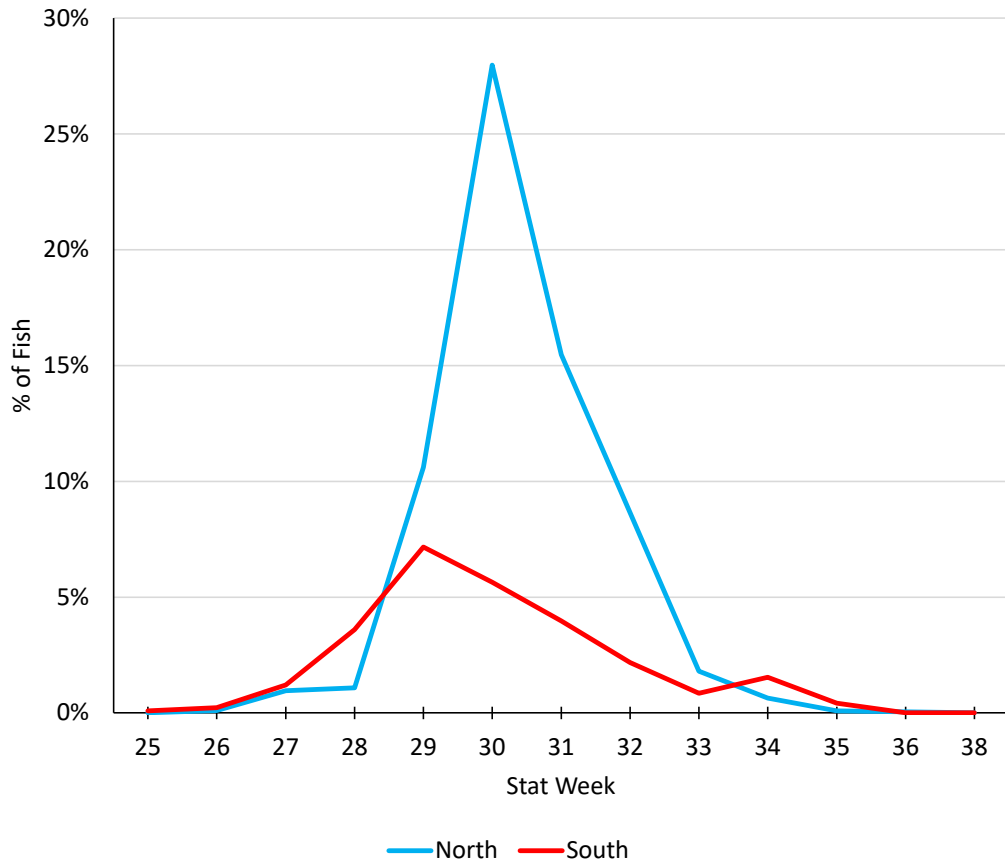


Neets Bay S. Chum Migration Direction

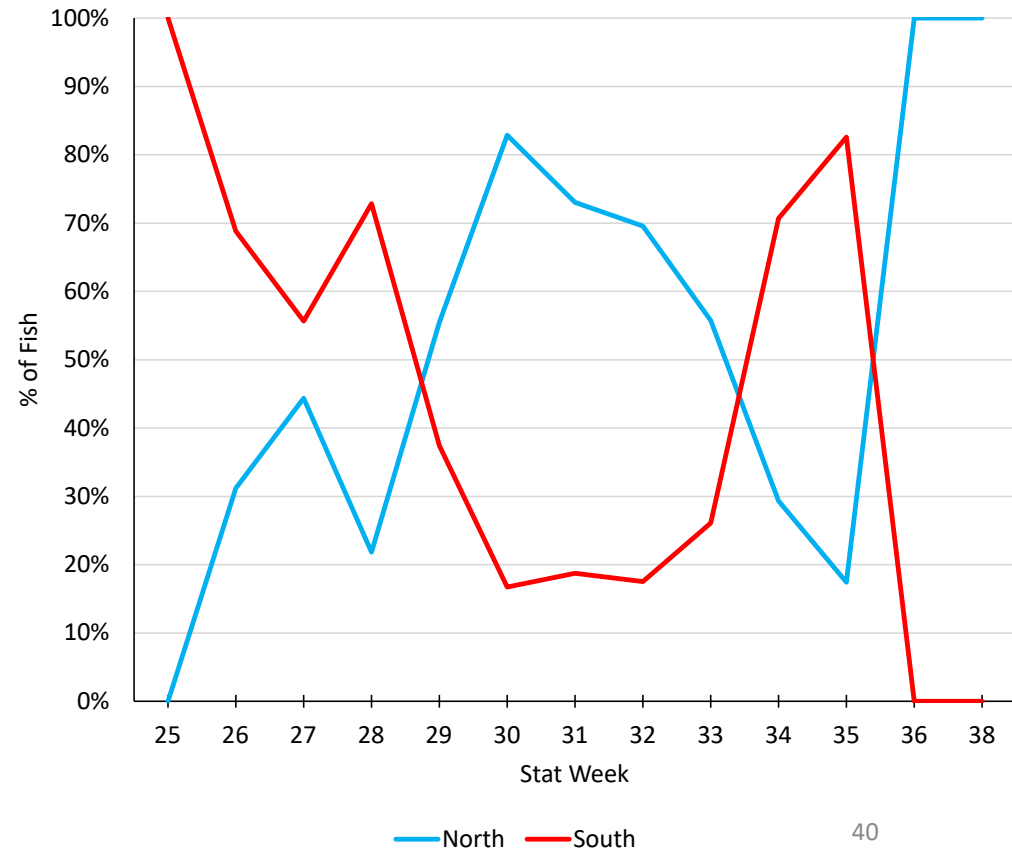
North = 106, 107, 108

South = 101, 102

By Year



By Stat Week



2019 Neets Bay Summer Chum Run Timing Traditional, Common Property Fisheries

