2021 Task Force Meeting

Tessa Frost

December 2021

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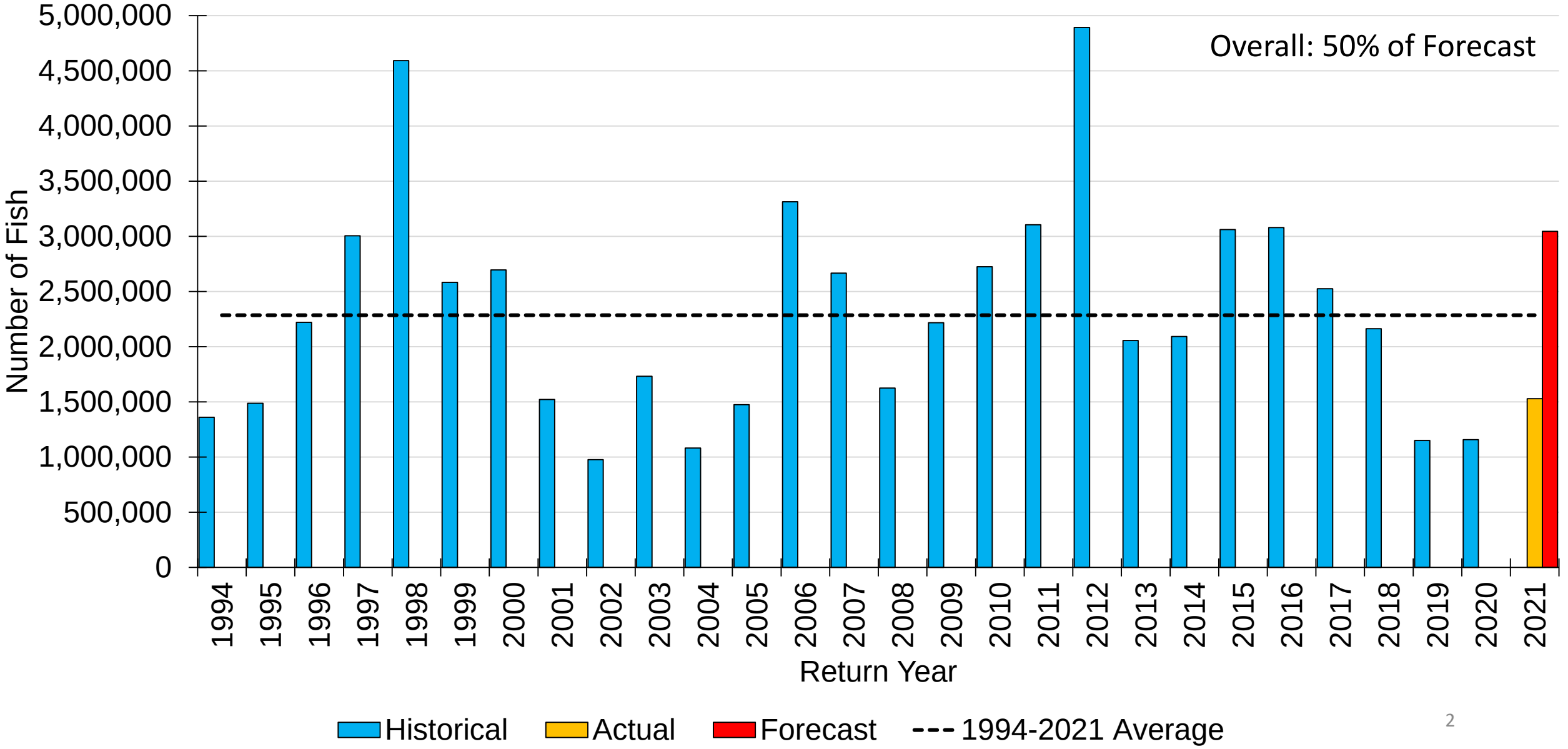
2021 Summer Chum: Forecast vs. Actual



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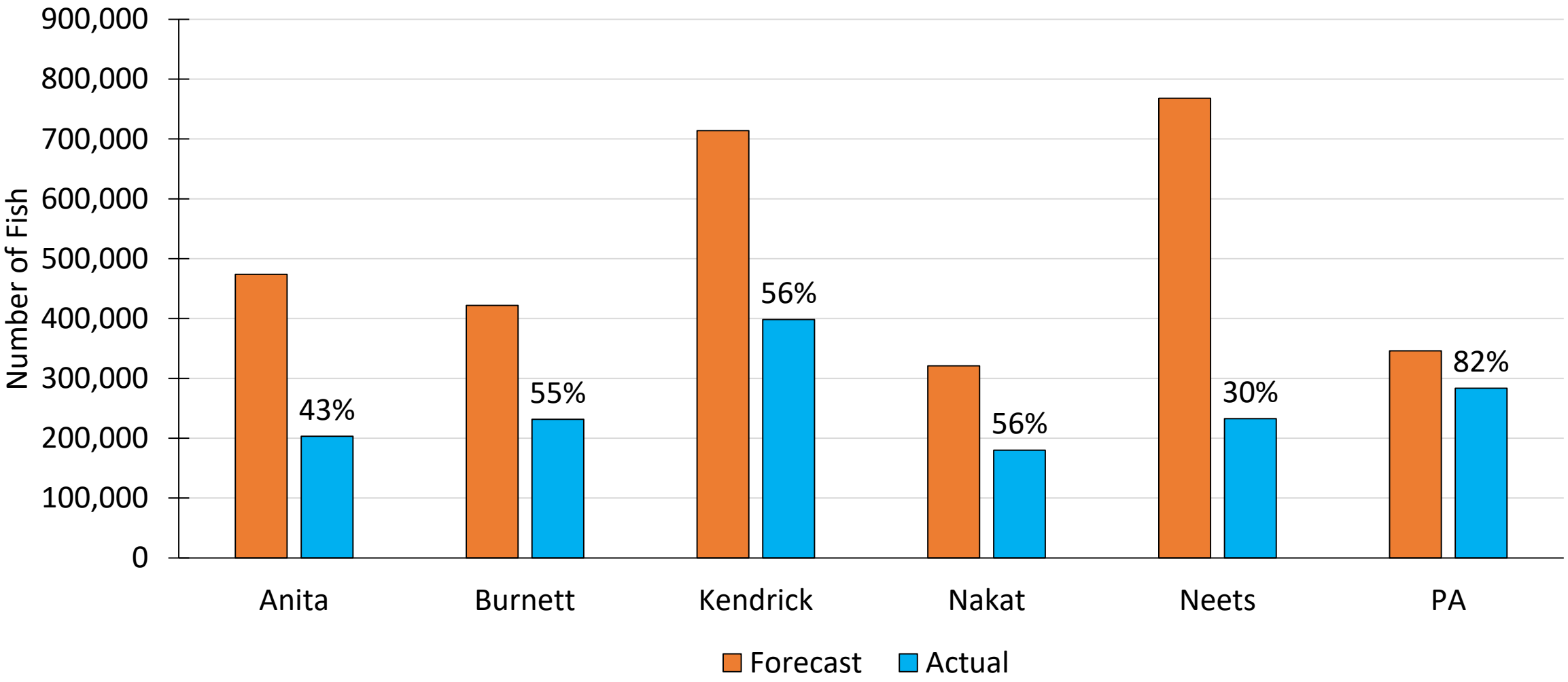
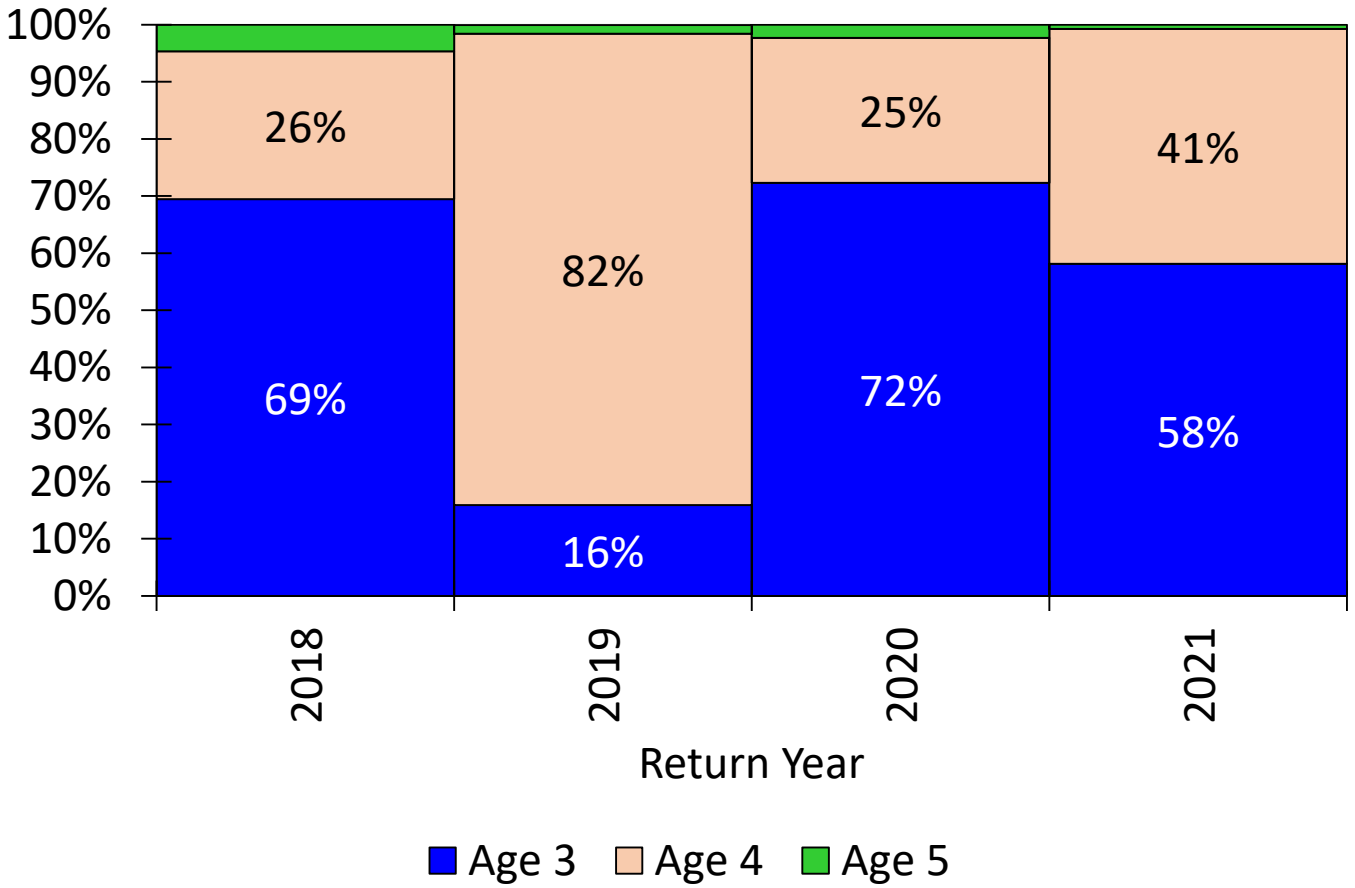
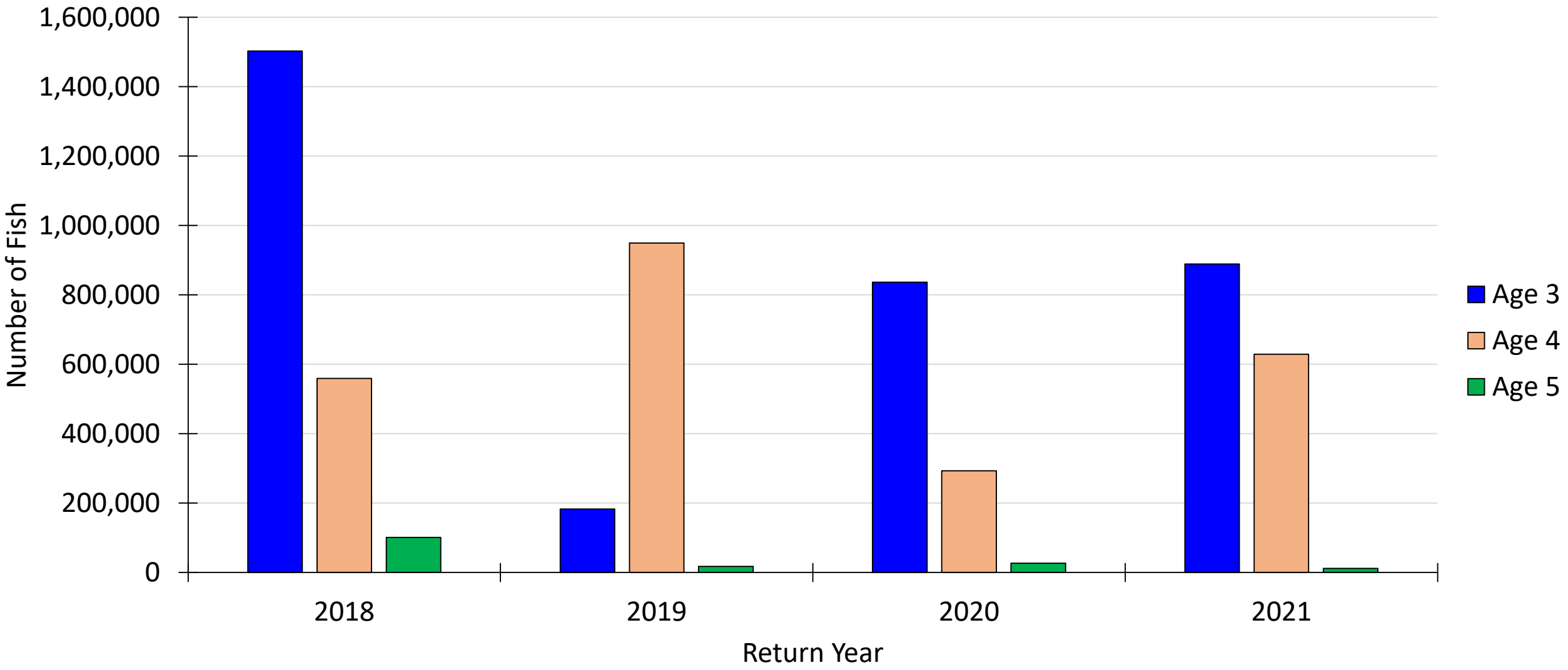


SSRAA Summer Chum Age-Class Composition

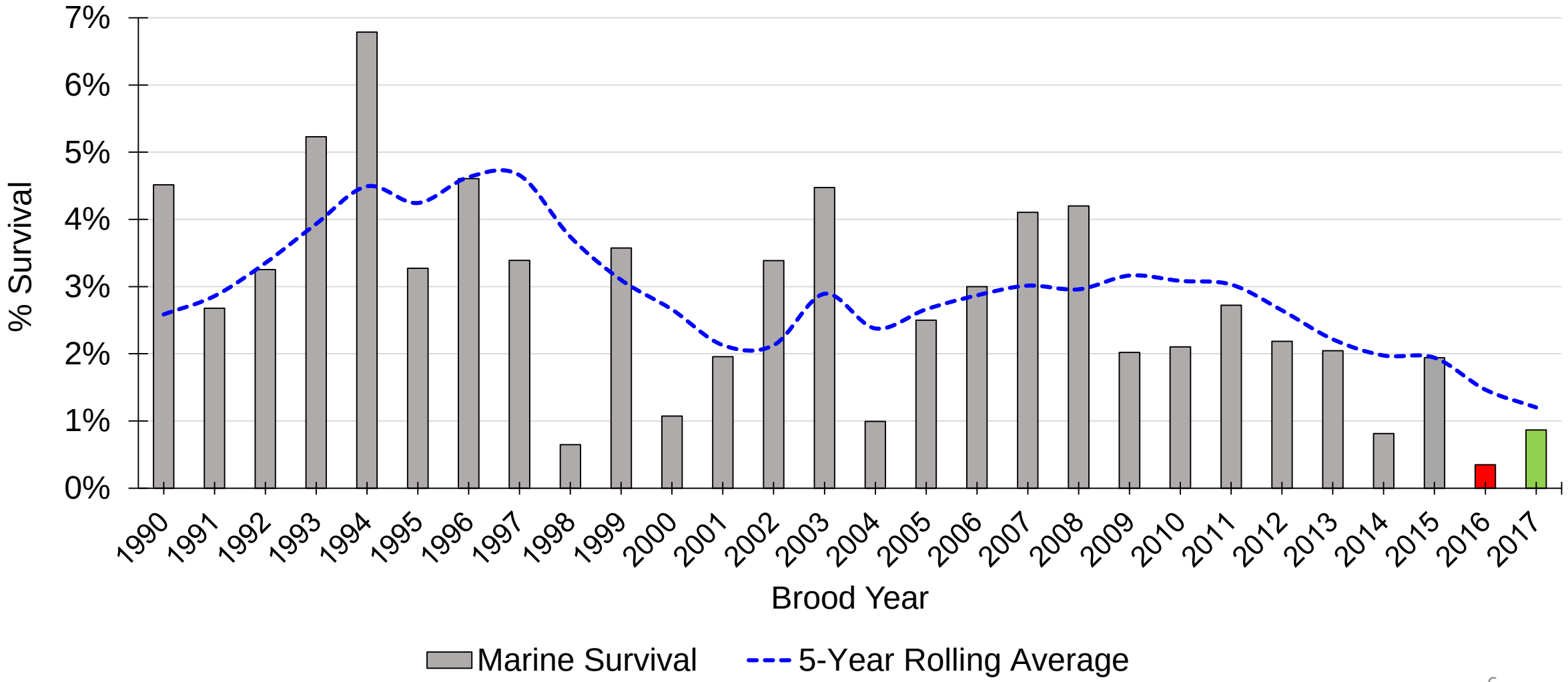


Average Weights – 3yo Summer Chum				
Year	High	Low	Average	Standard Deviation
2018	15.1	7.6	9.4	2.1
2019	10	5.8	8.5	1.2
2020	9.5	5.7	7.1	1.1
2021	14.1	3.3	7.0	1.6

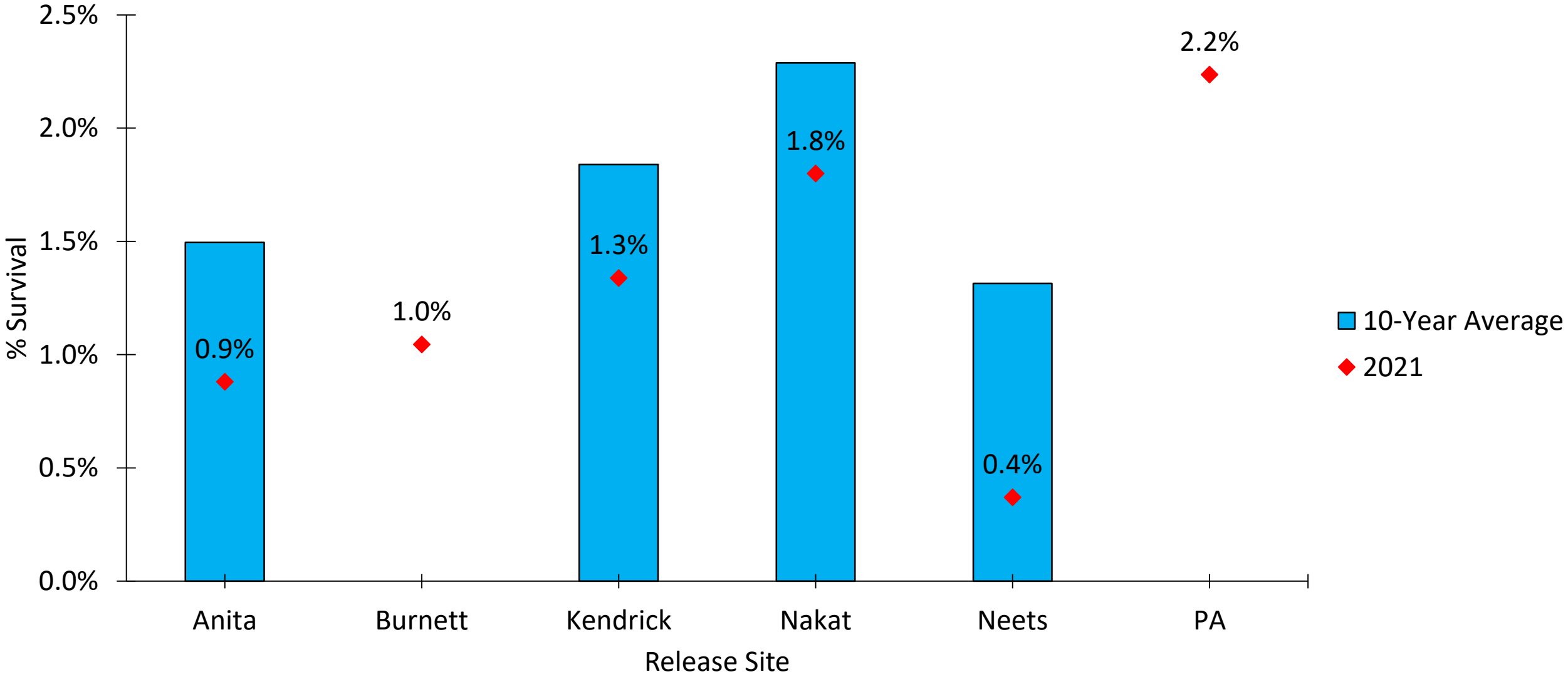
SSRAA Summer Chum Age-Class Composition



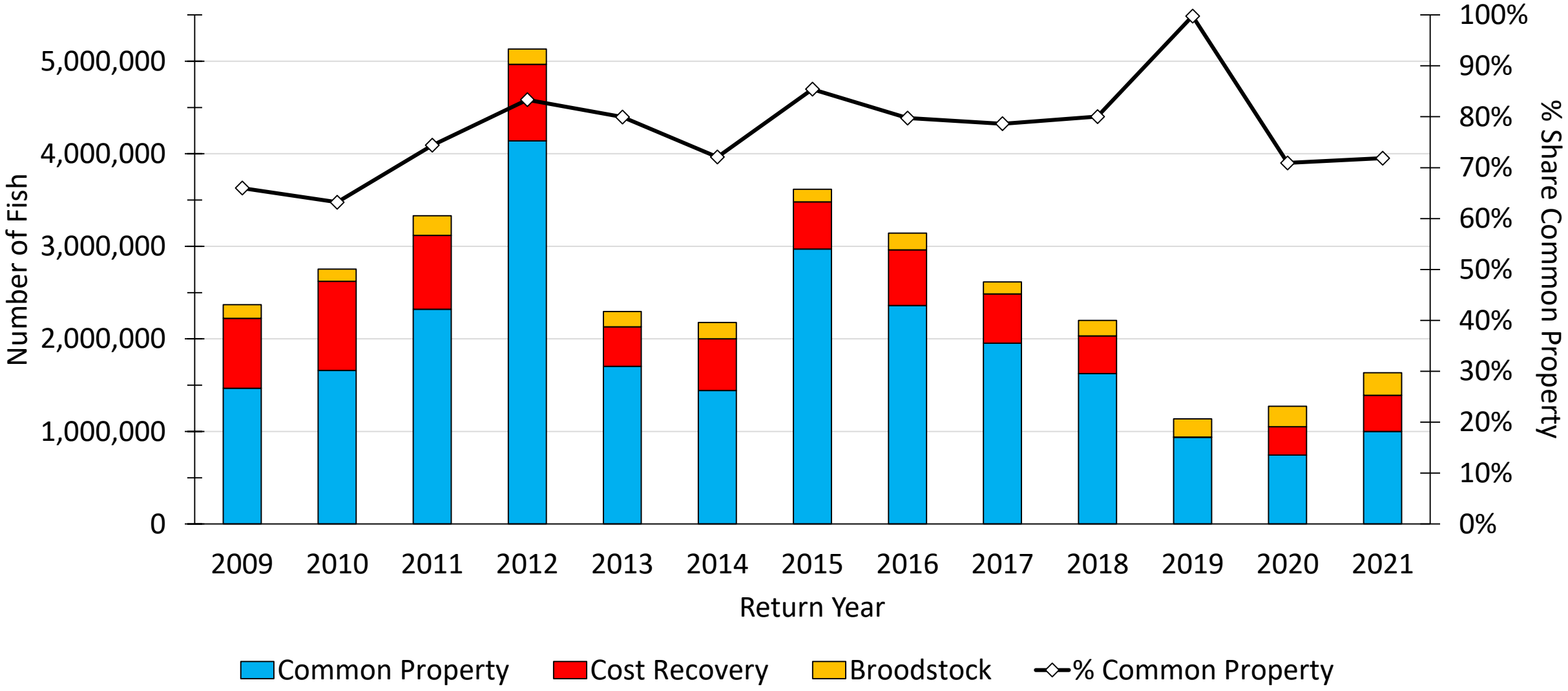
Average SSRAA Summer Chum Survival - All Sites



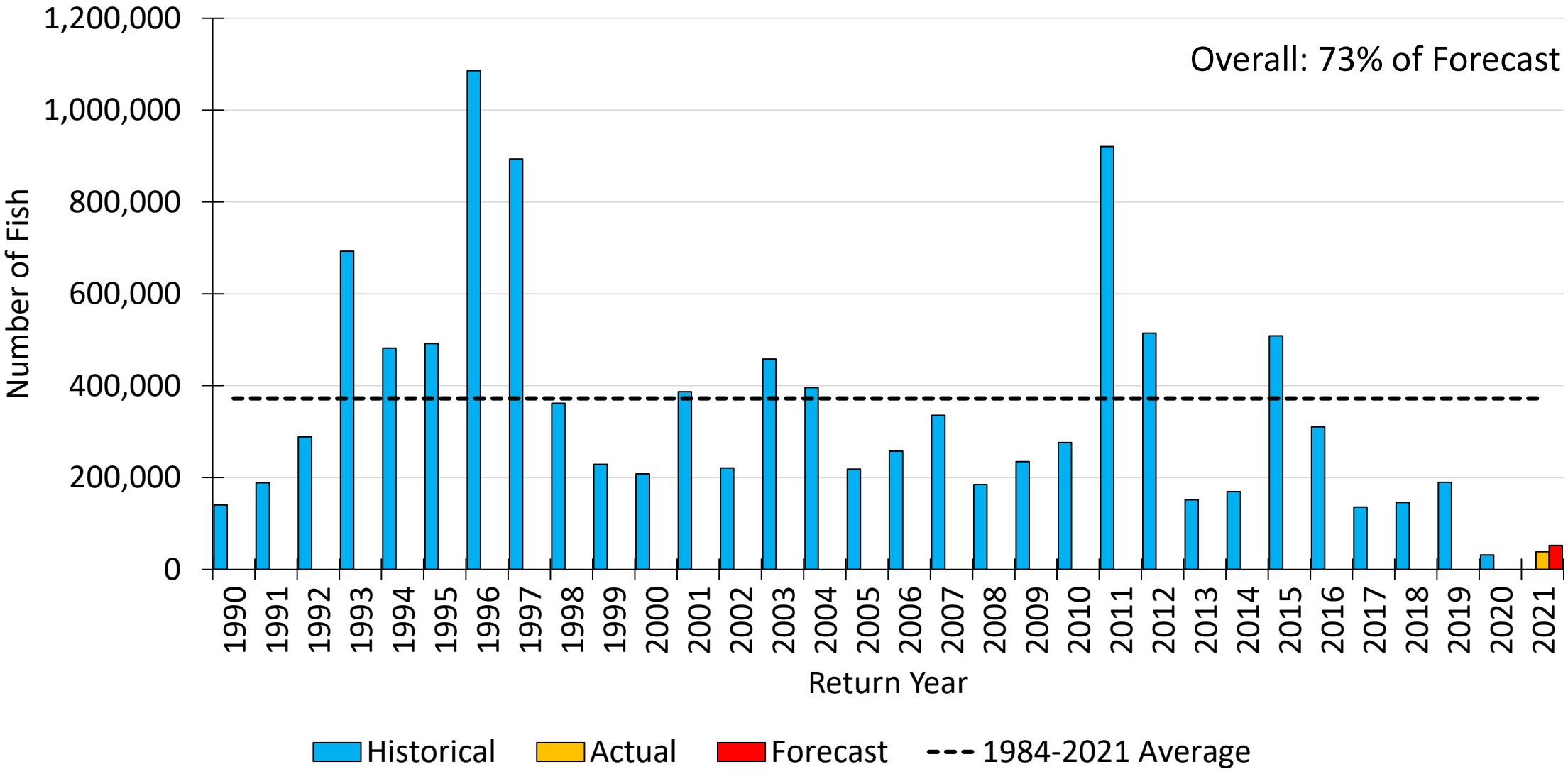
SSRAA Summer Chum Marine Survival



SSRAA Summer Chum Harvest Share



2021 Fall Chum: Forecast vs. Actual



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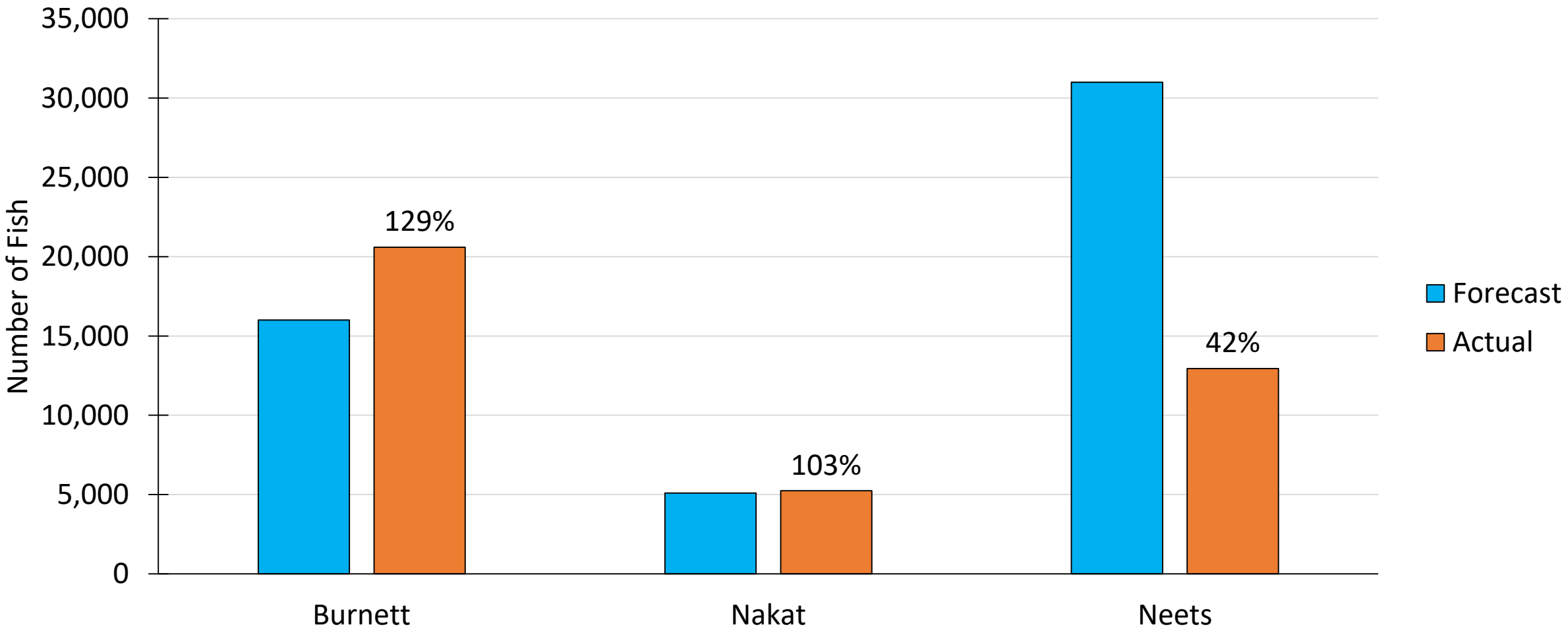
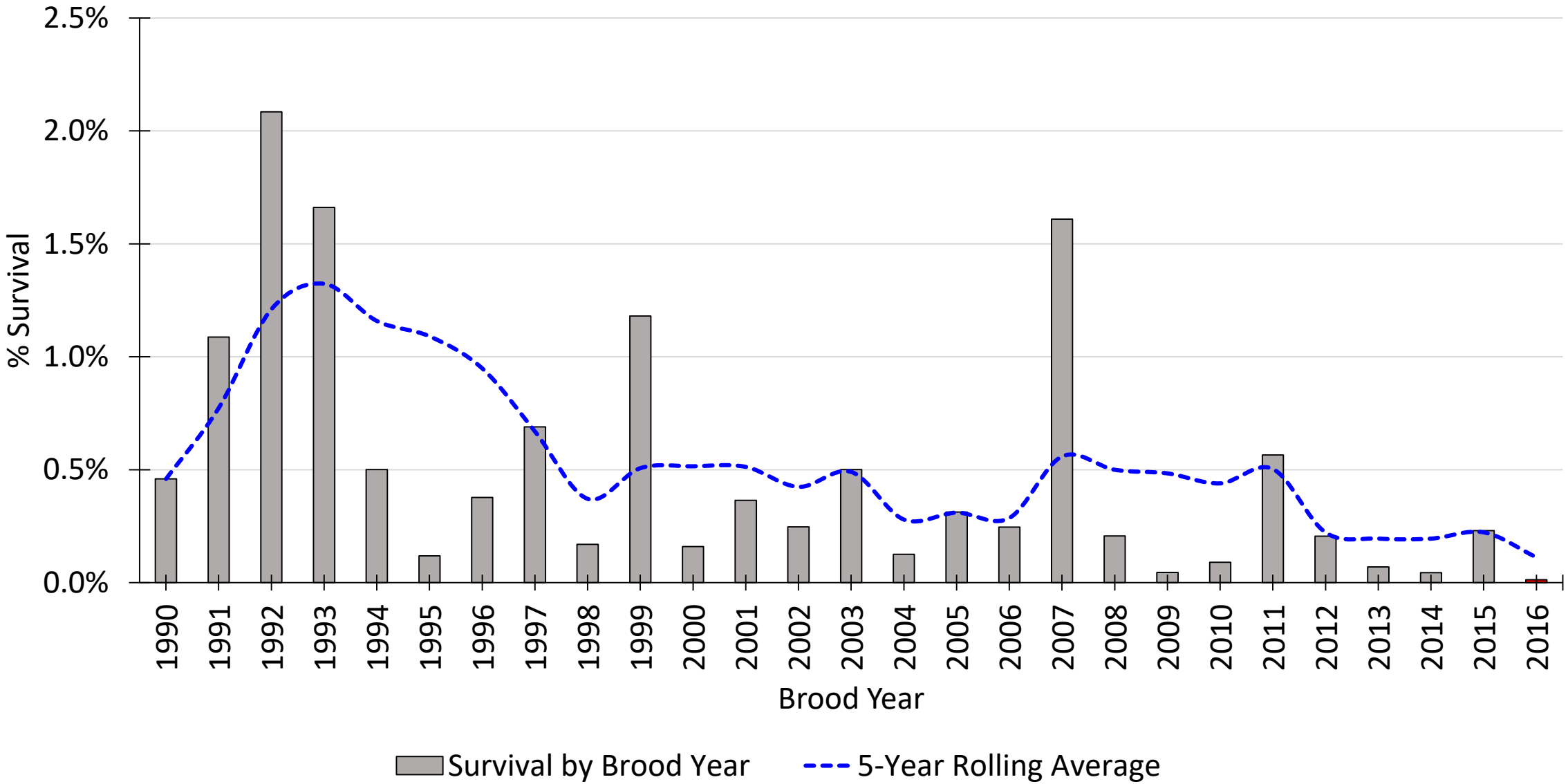


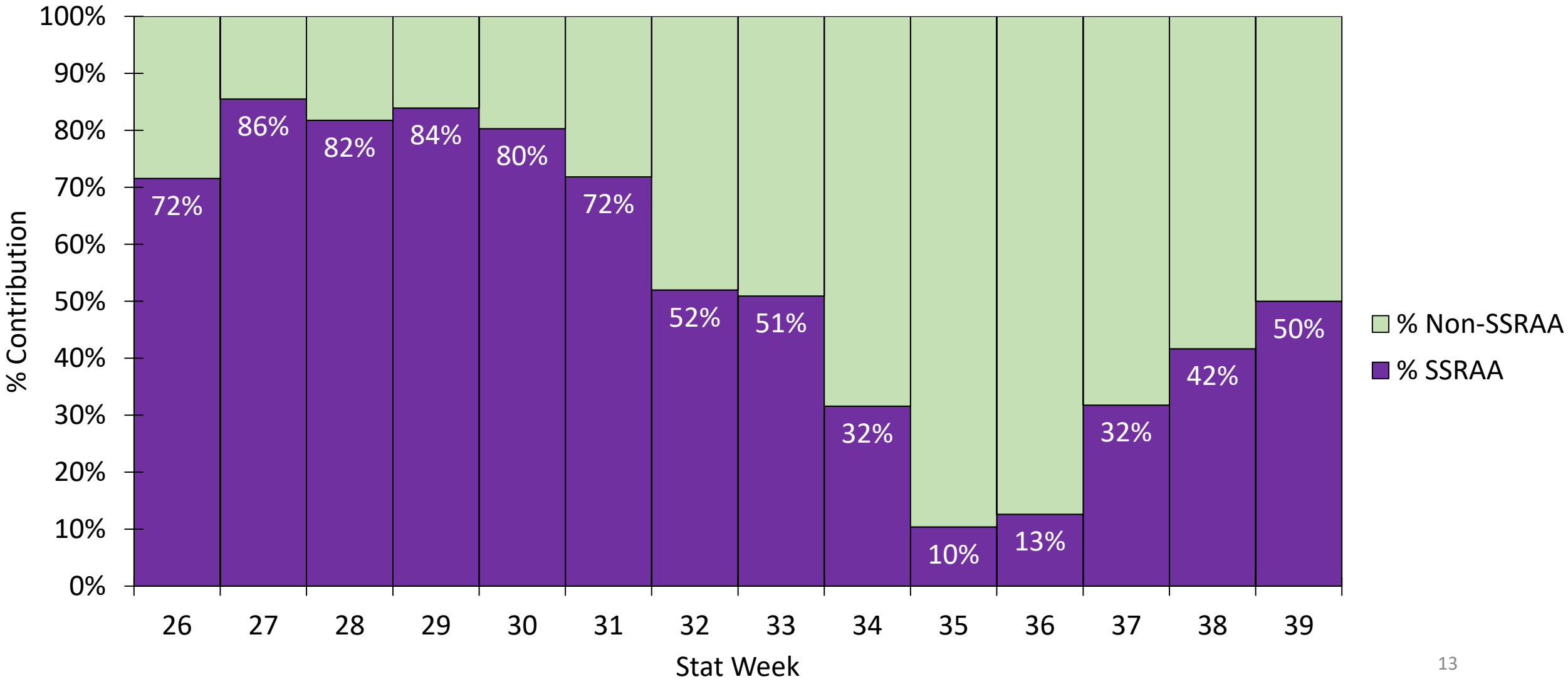
Average SSRAA Fall Chum Survival - All Sites



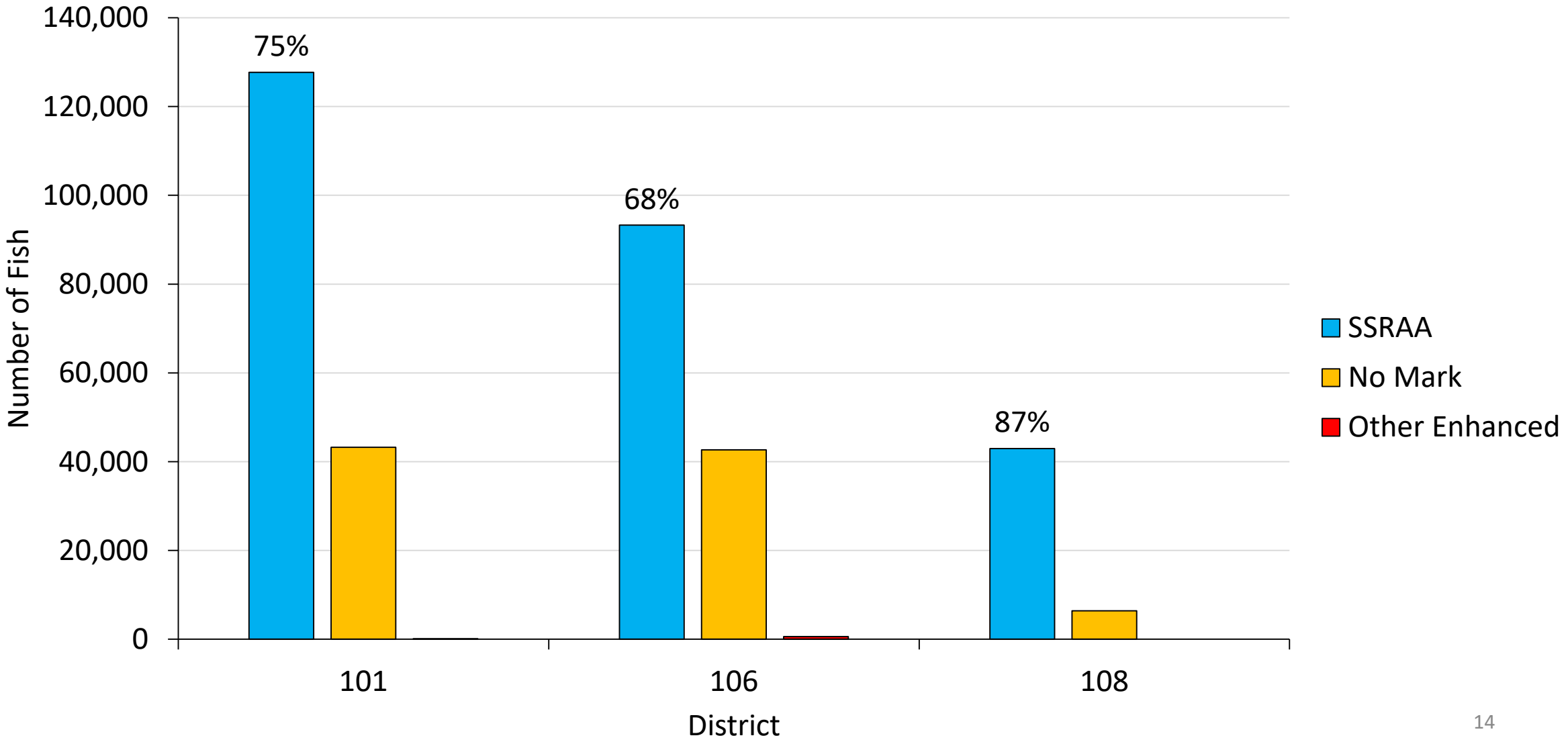
SSRAA Contribution to Traditional Chum Fisheries

		Summer and Fall Chum		
Gear	**District**	**SSRAA**	**Non-SSRAA**	**% SSRAA**
Gillnet	101	127,691	43,354	75%
	106	93,290	43,268	68%
	108	42,953	6,420	87%
Gillnet Total		**263,933**	**93,043**	**74%**
Seine	101	79,255	121,125	40%
	102	317,272	117,467	73%
	103	72,179	81,831	47%
	104	86,771	125,103	41%
	105	0	6,213	0%
	106	9,839	1,968	83%
	107	56,046	8,540	87%
Seine Total		**621,362**	**462,247**	**57%**
Grand Total		**885,296**	**555,290**	**61%**

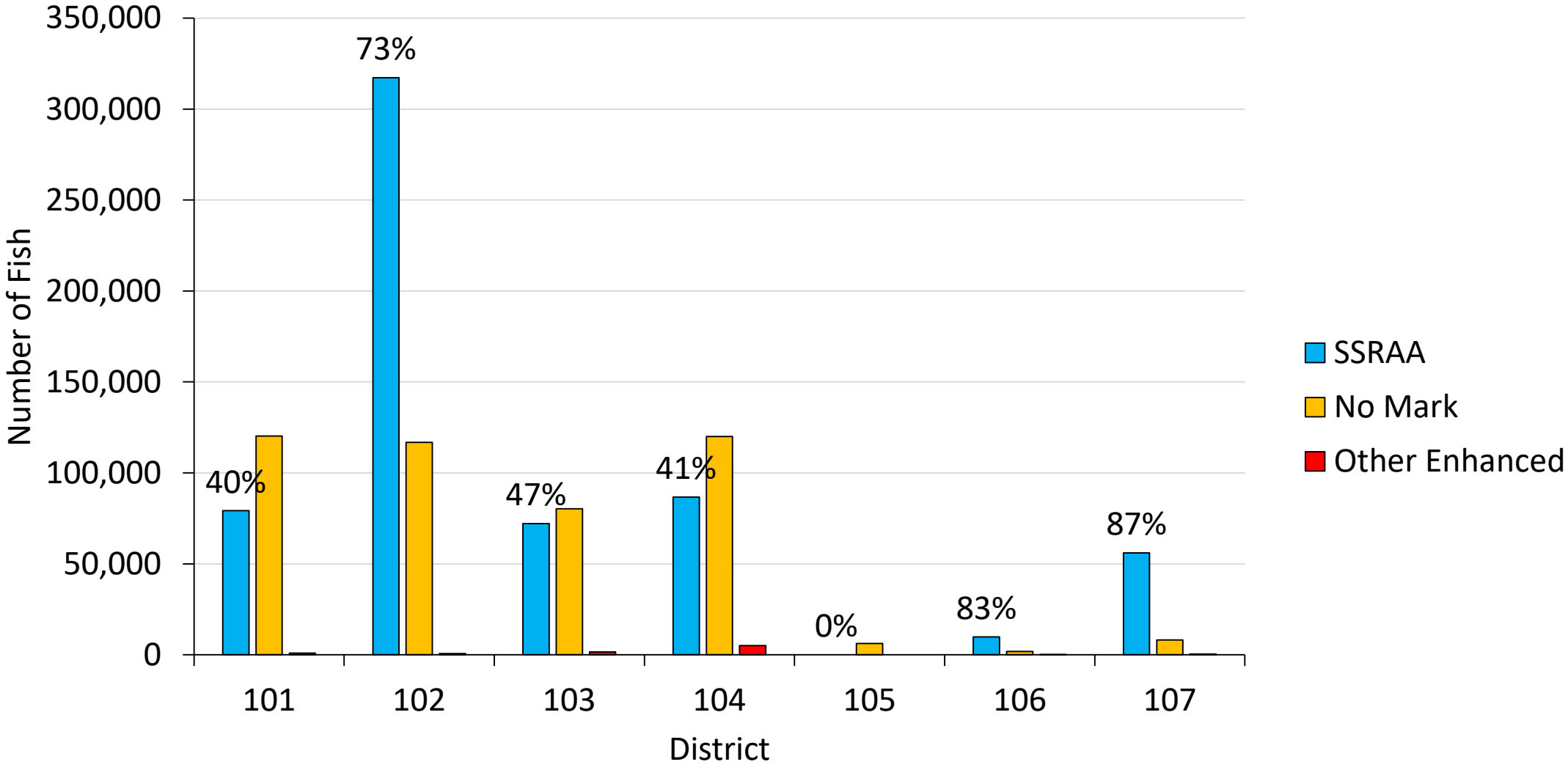
SSRAA Contribution to Traditional Chum Fisheries



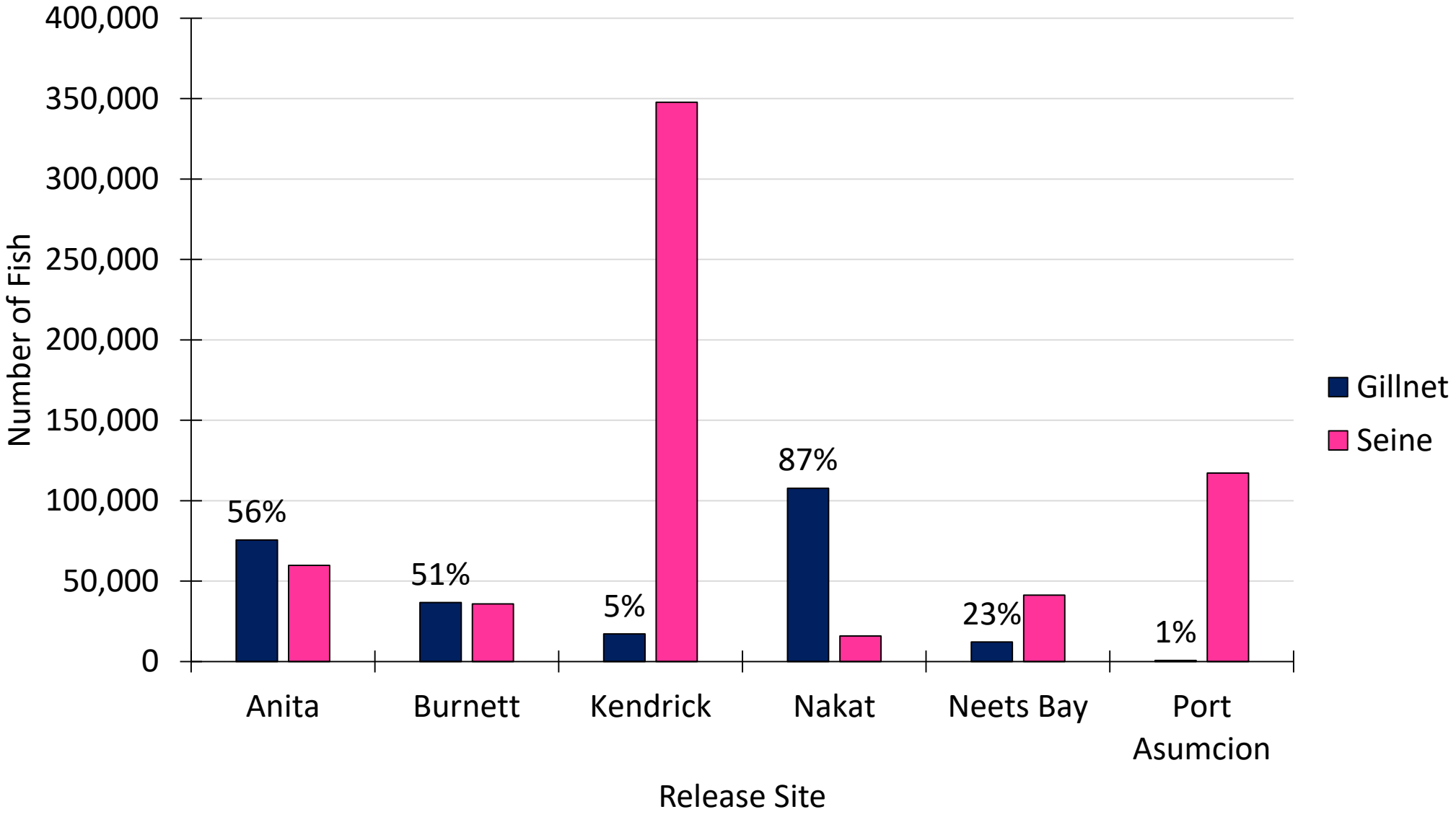
SSE Traditional Chum Salmon Gillnet Catch



SSE Traditional Chum Salmon Seine Catch



Traditional Chum Salmon Catch by Release Site



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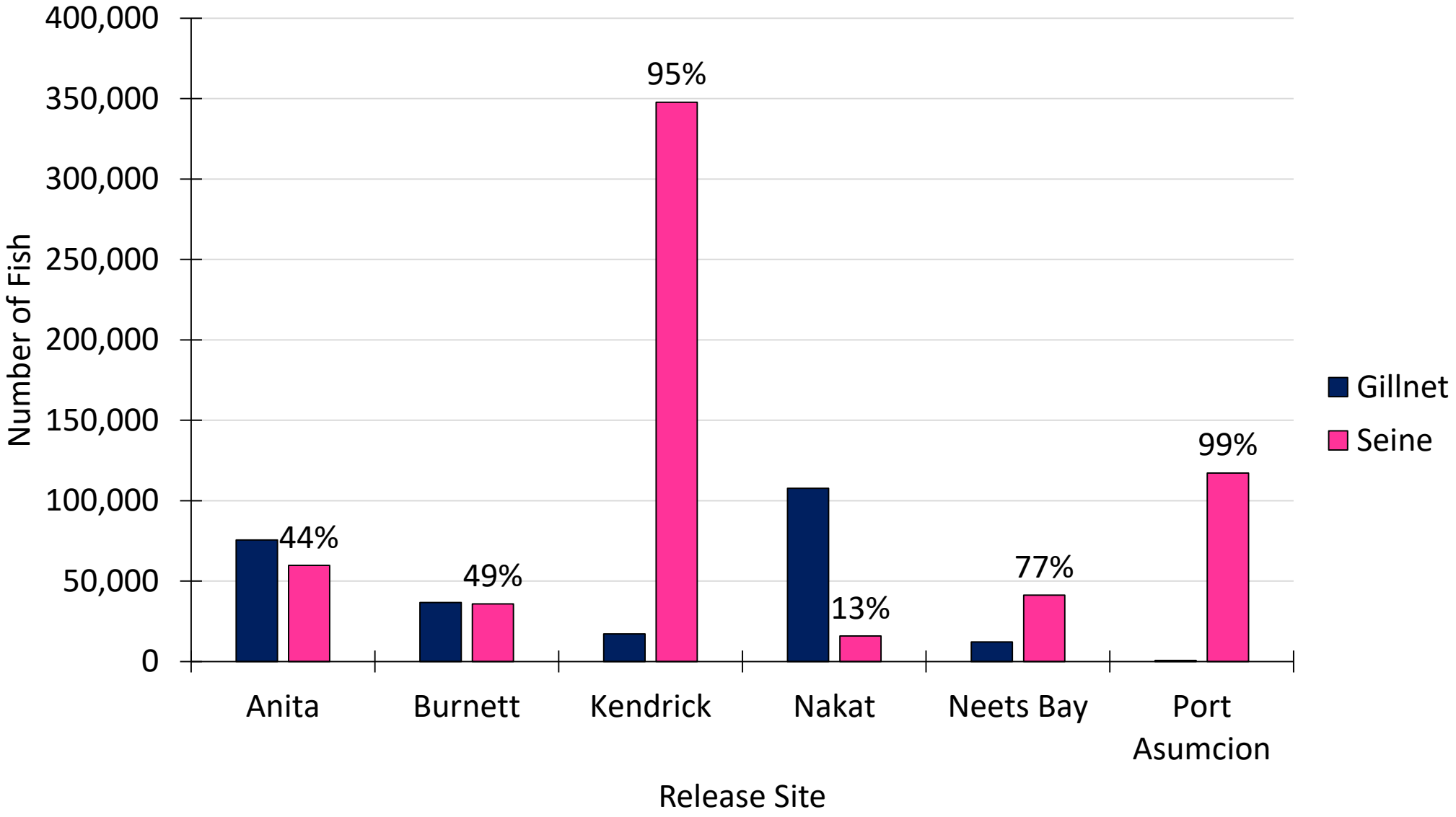
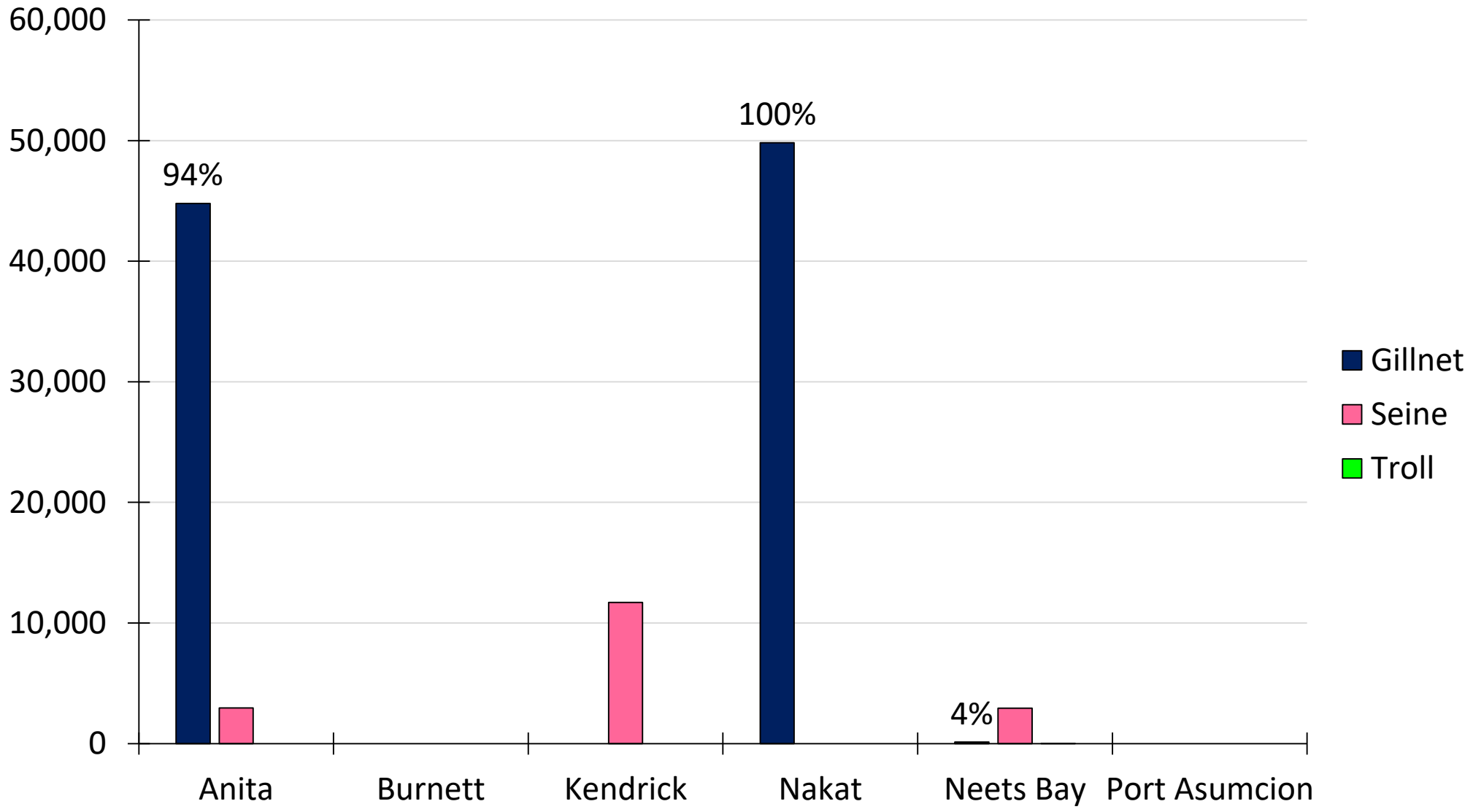


Terminal Chum Salmon Catch by Release Site



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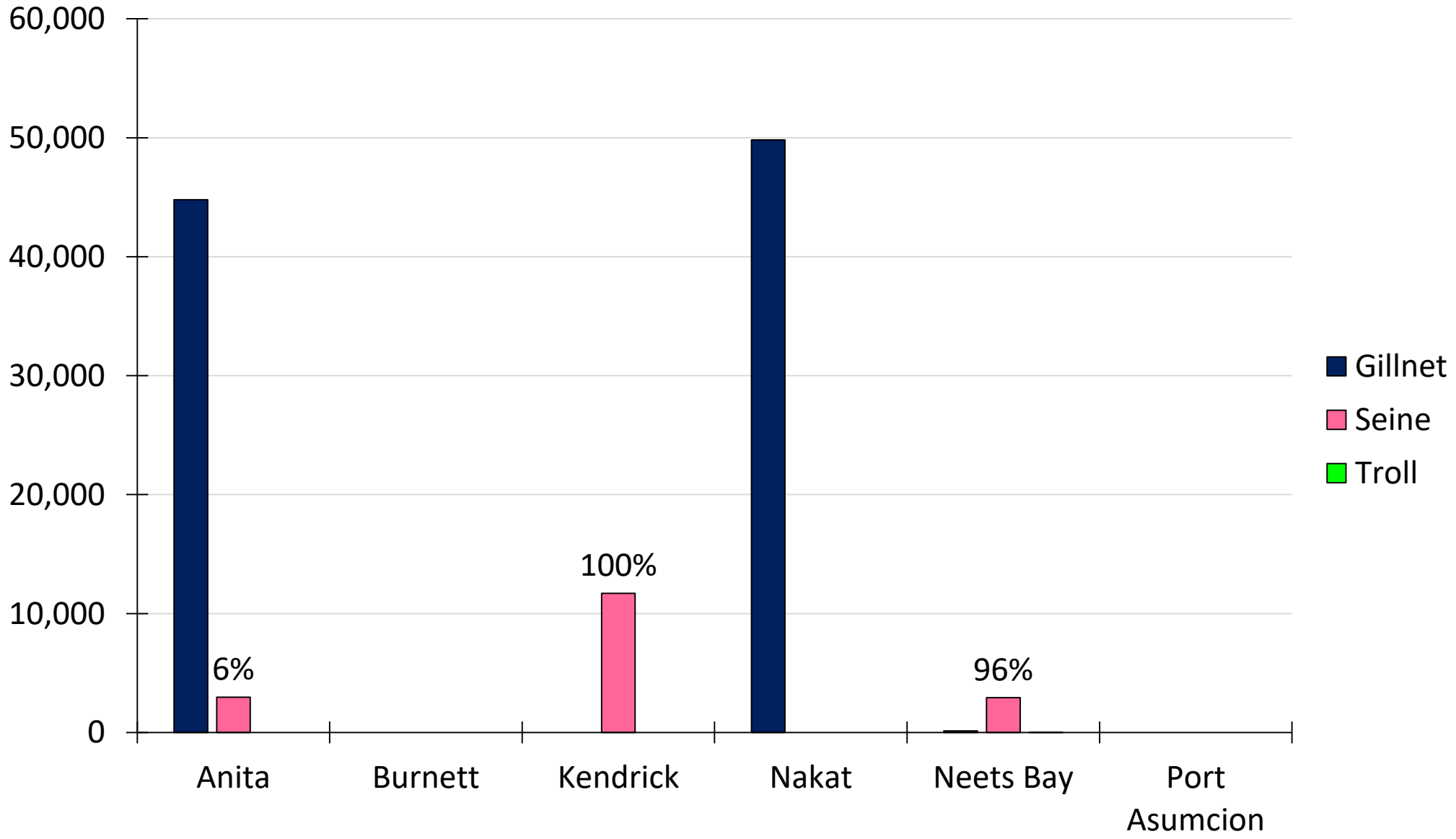
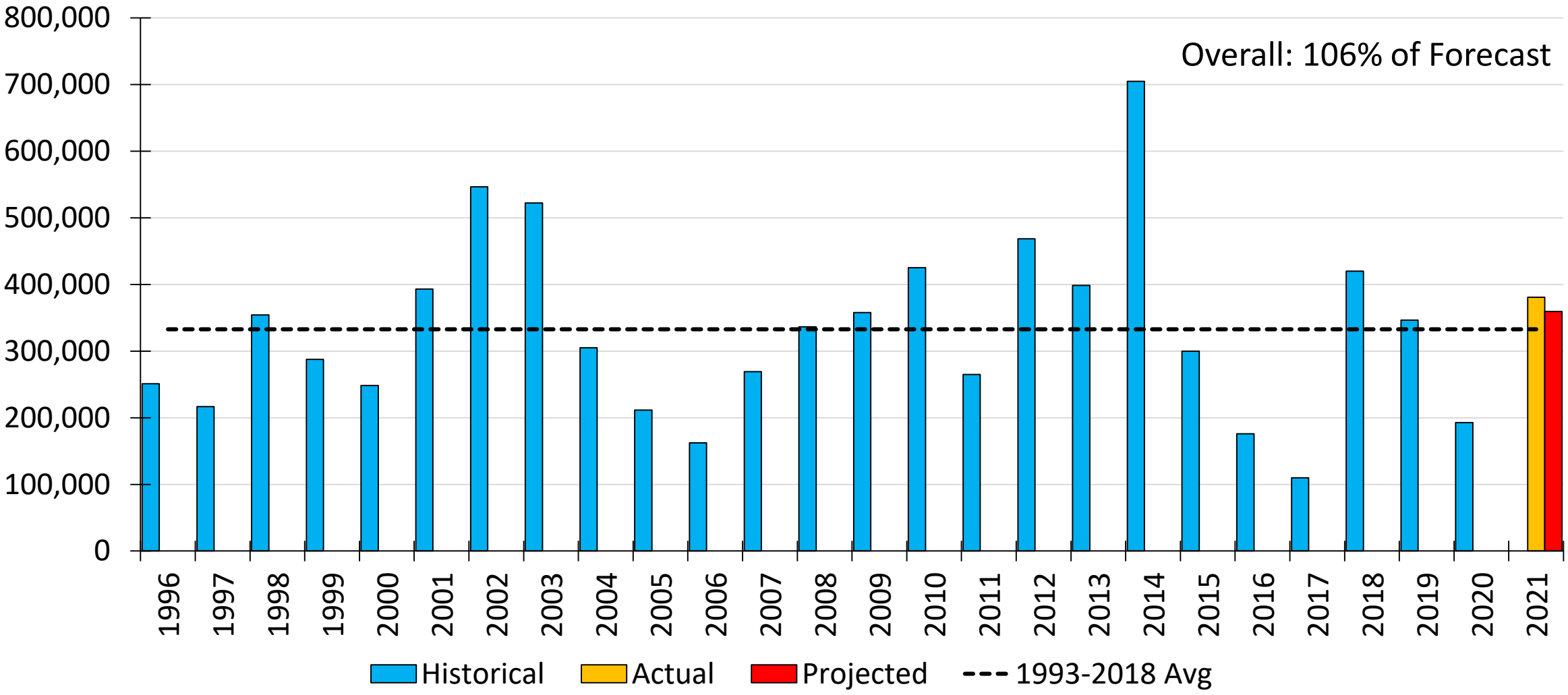


2021 Coho: Forecast vs. Actual



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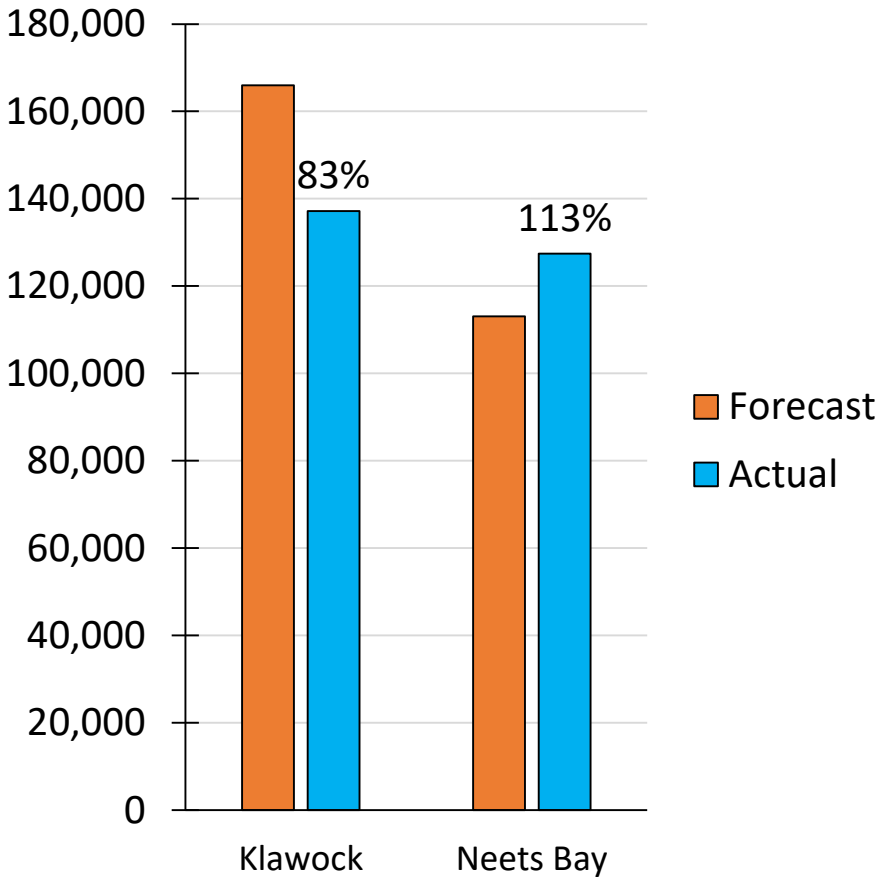
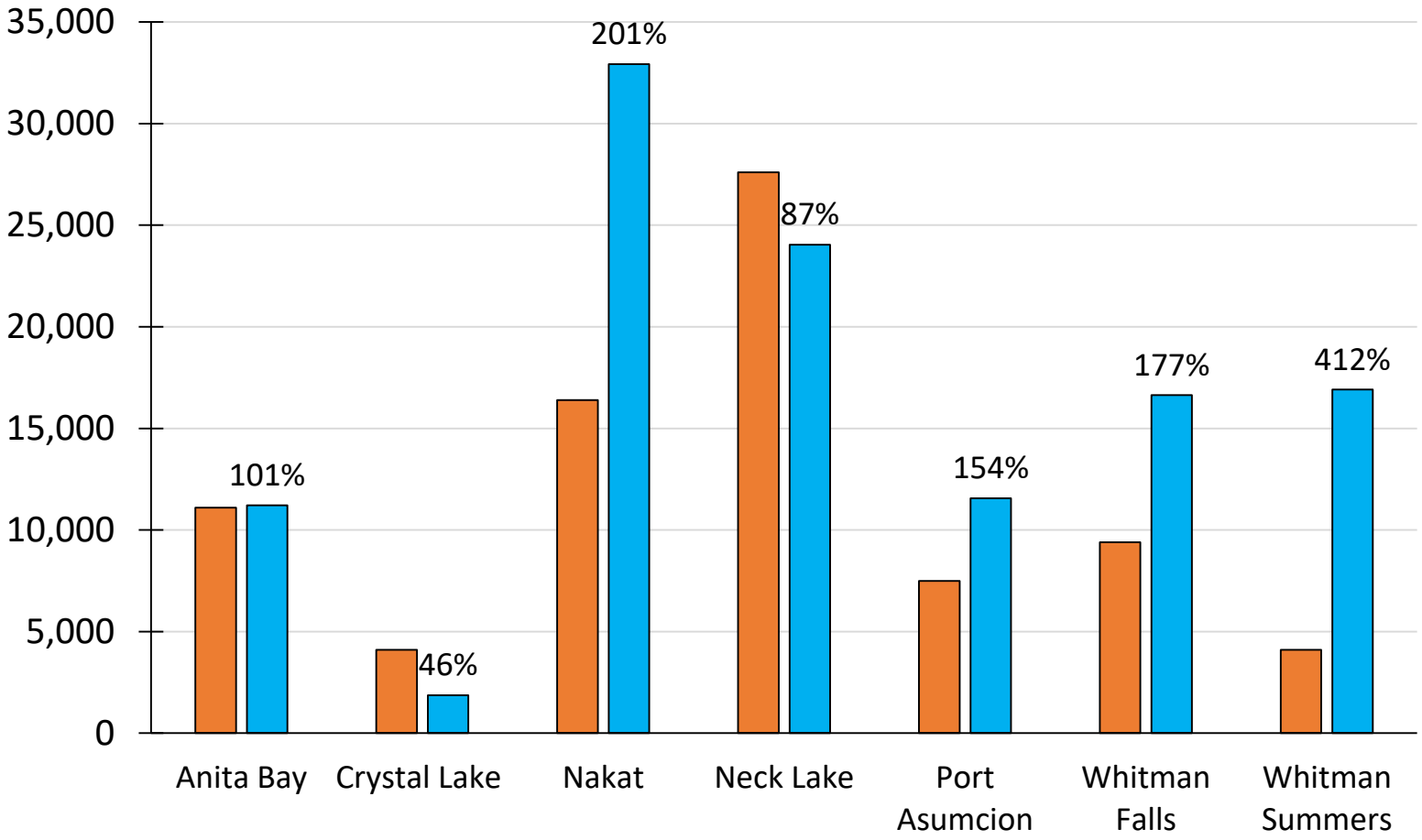
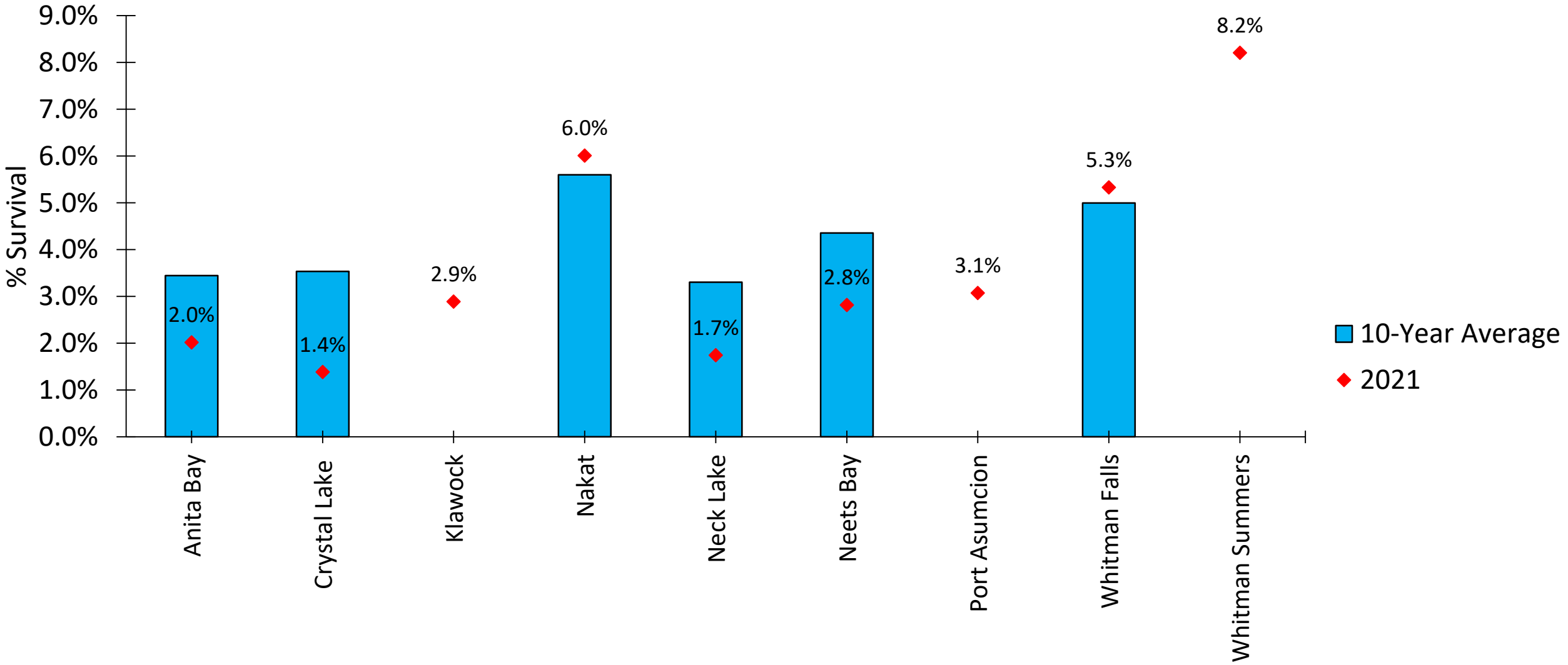
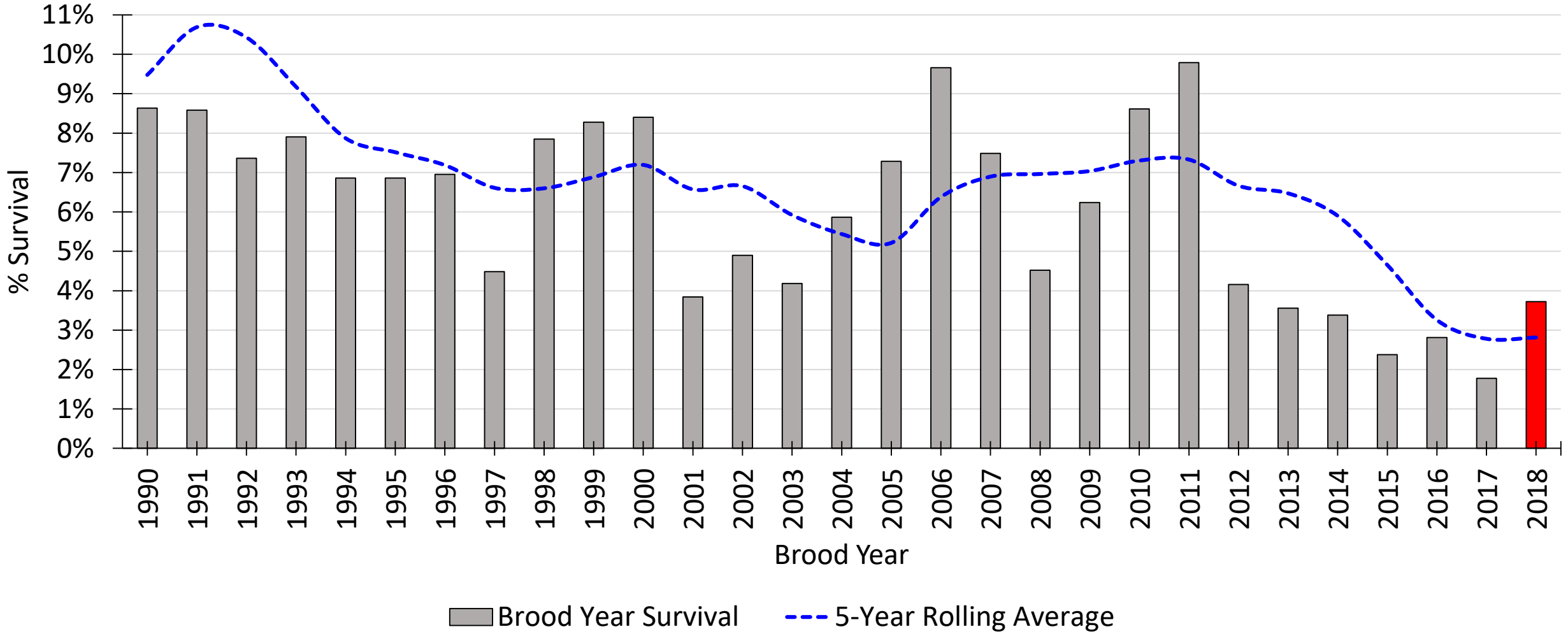




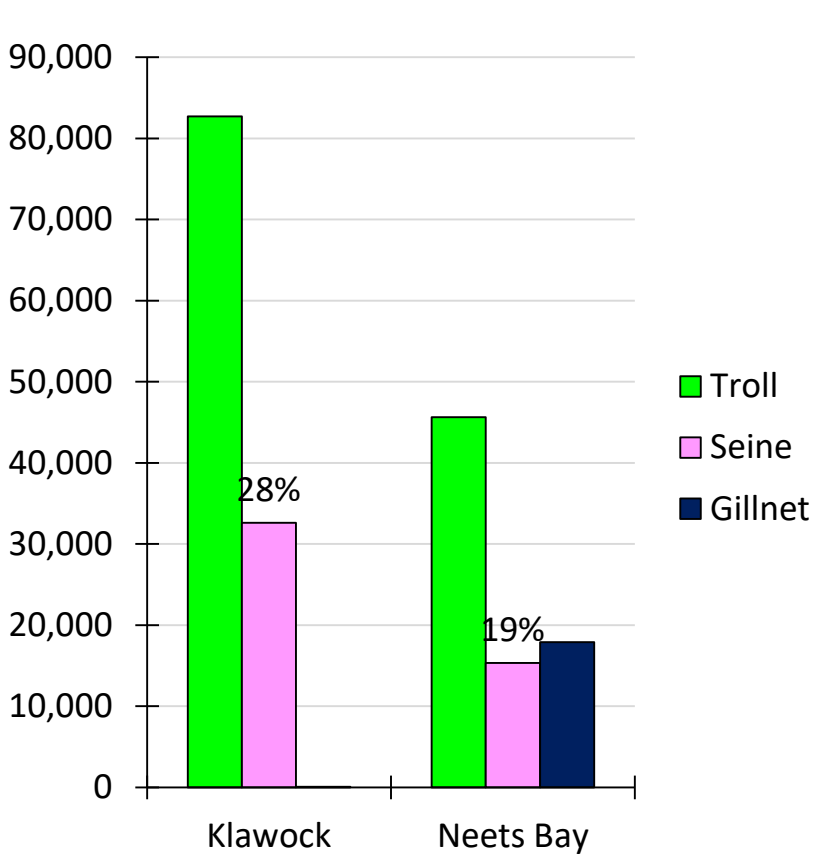
SSRAA Coho Marine Survival

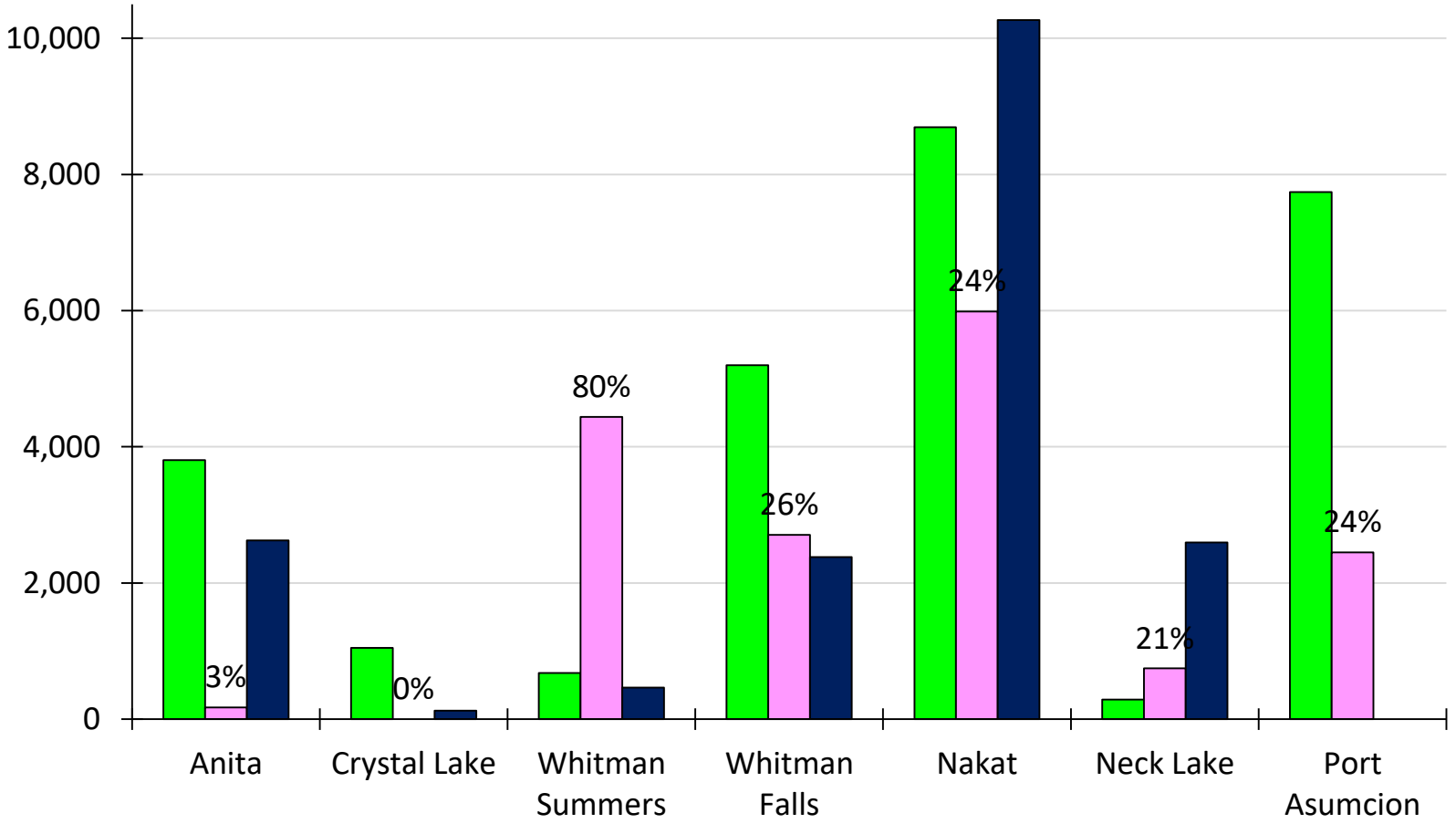


Average SSRAA Coho Survival - All Sites



2021 SSRAA Traditional Coho Contribution





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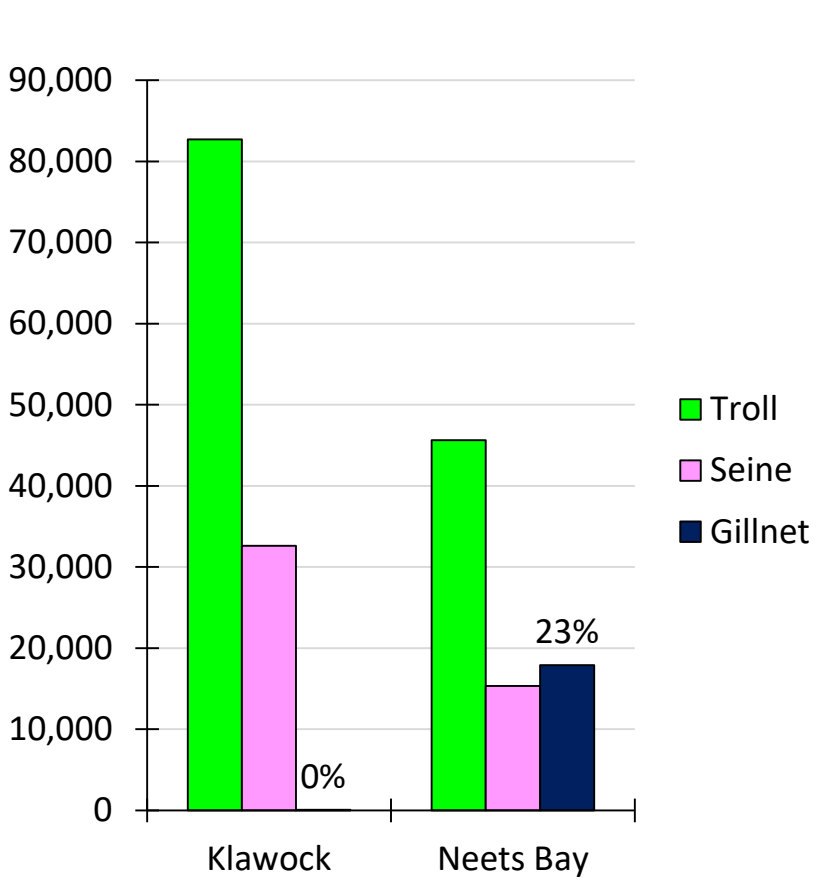
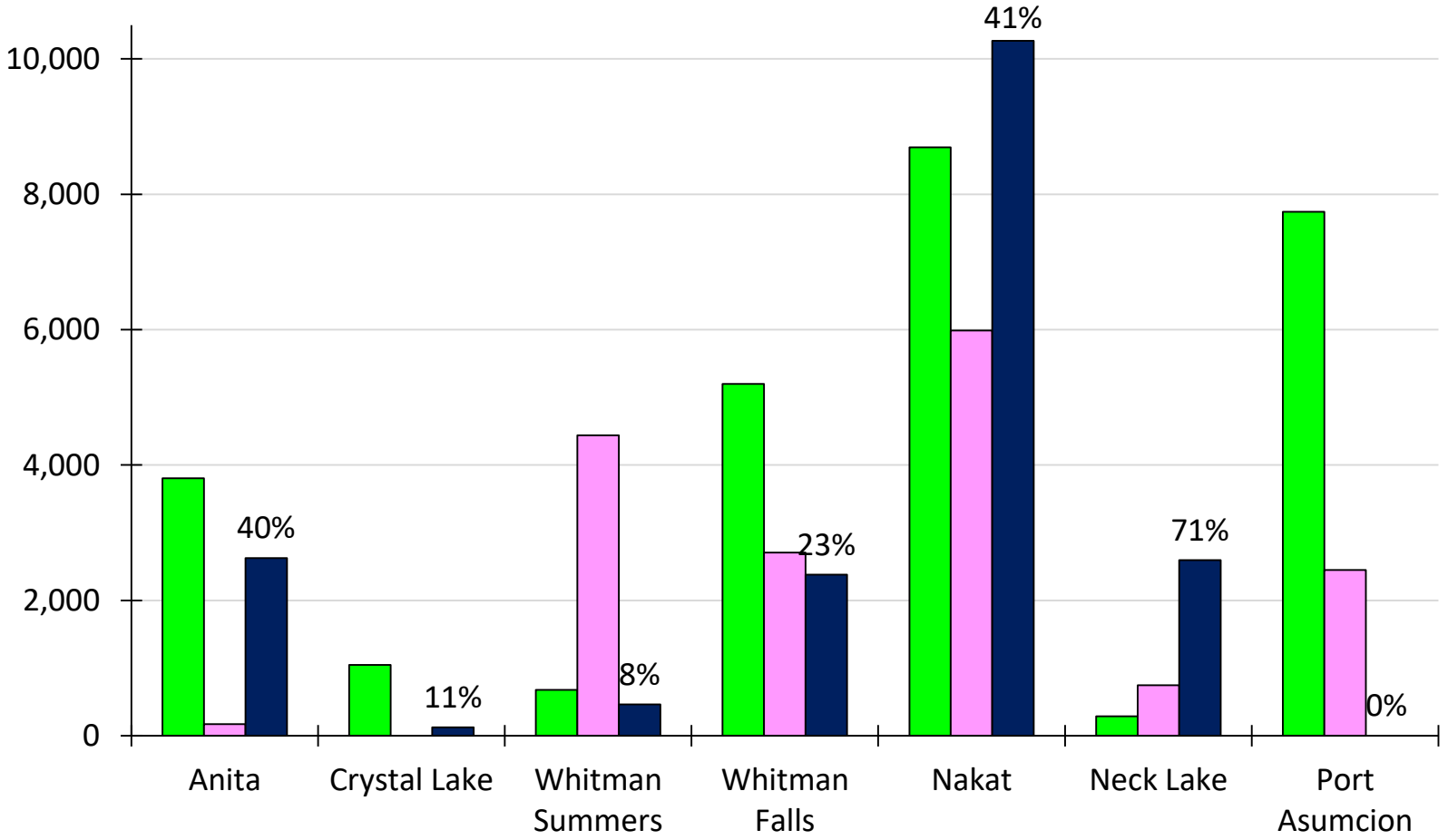
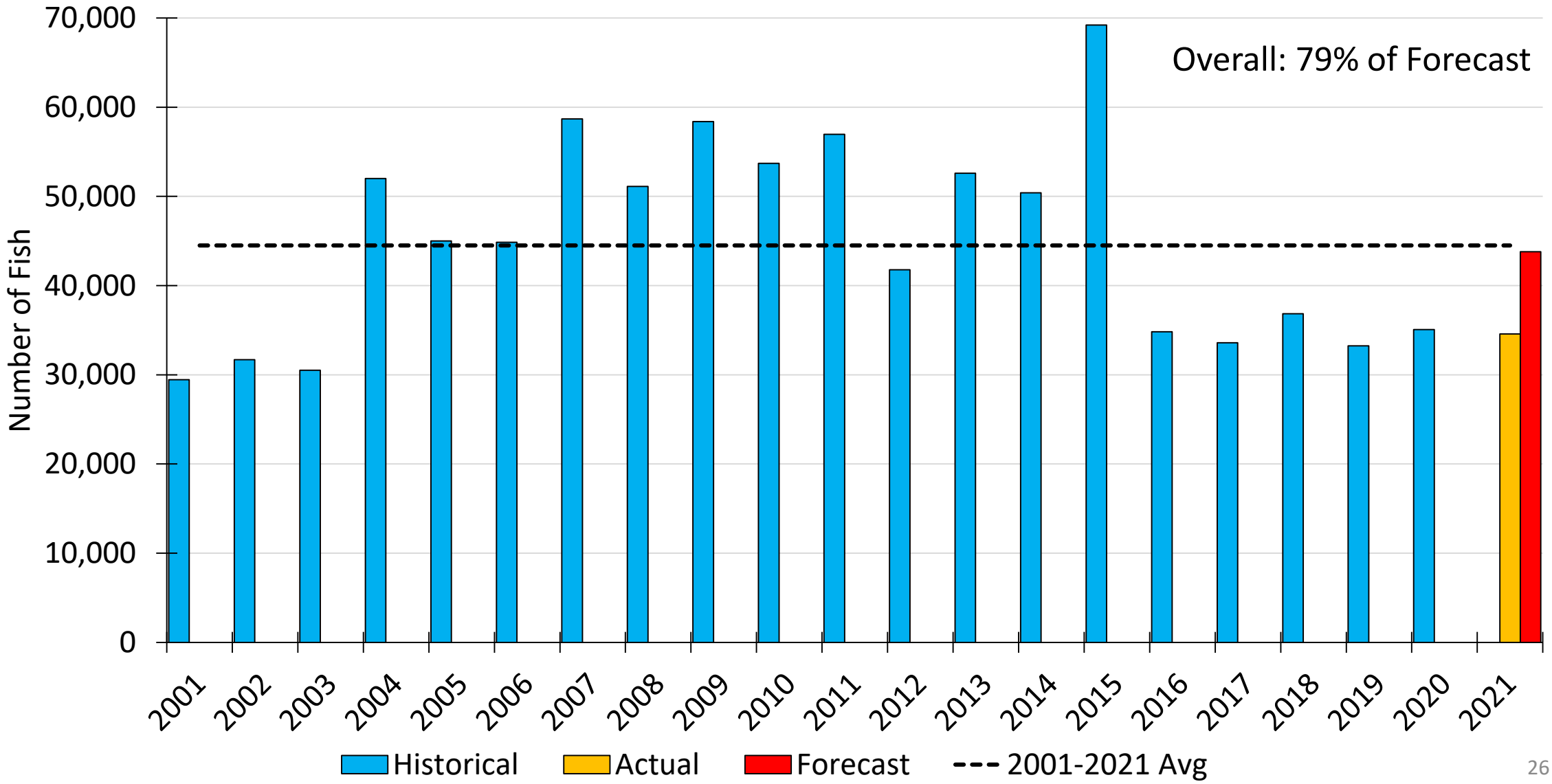




2021 Chinook: Forecast vs. Actual



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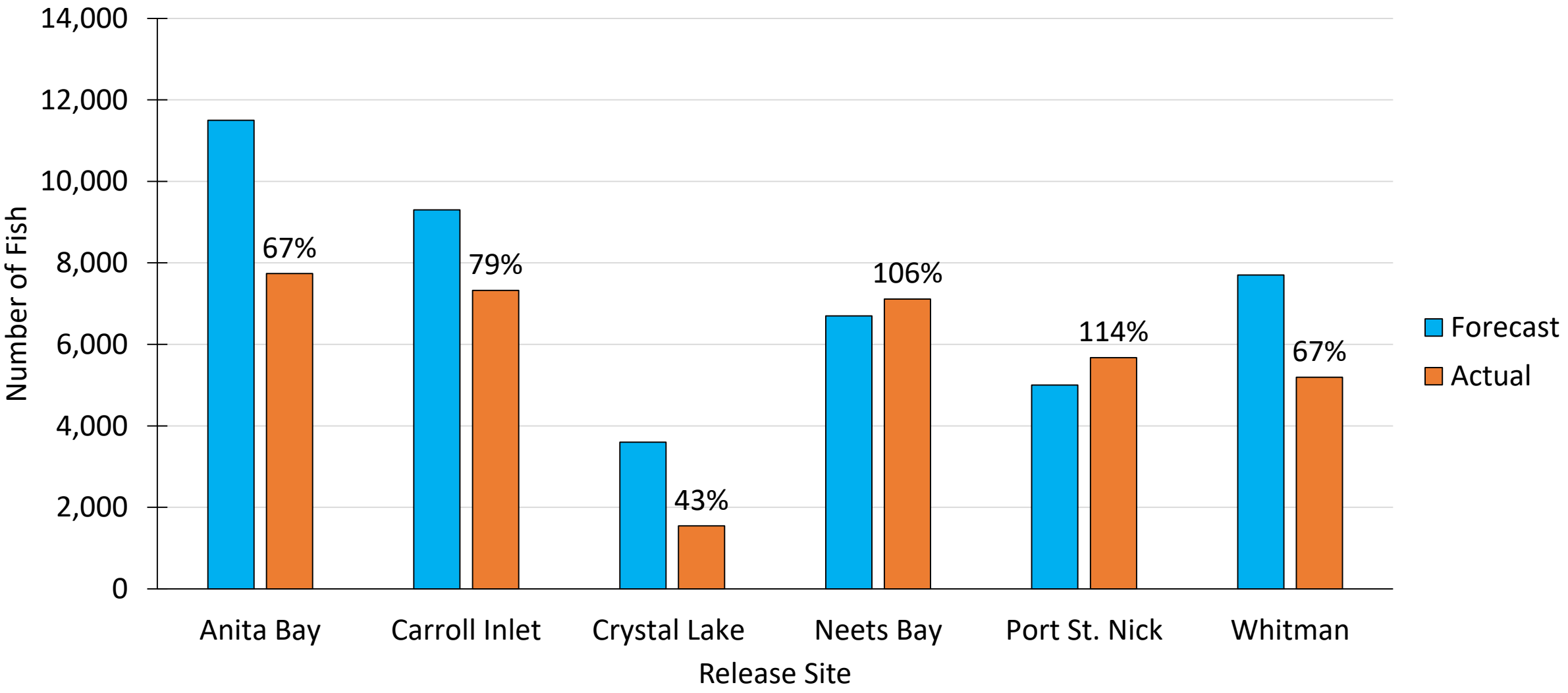
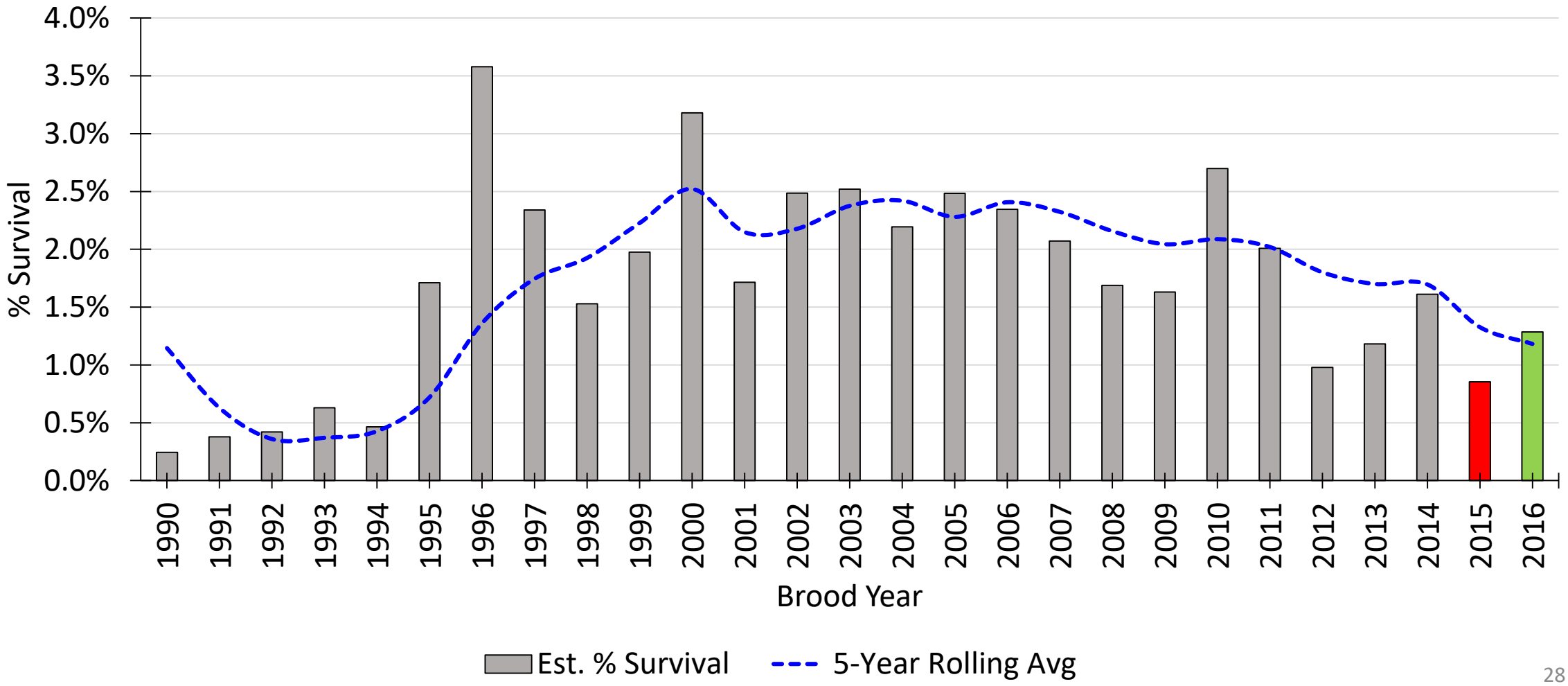


Average SSRAA Chinook Survival - All Sites



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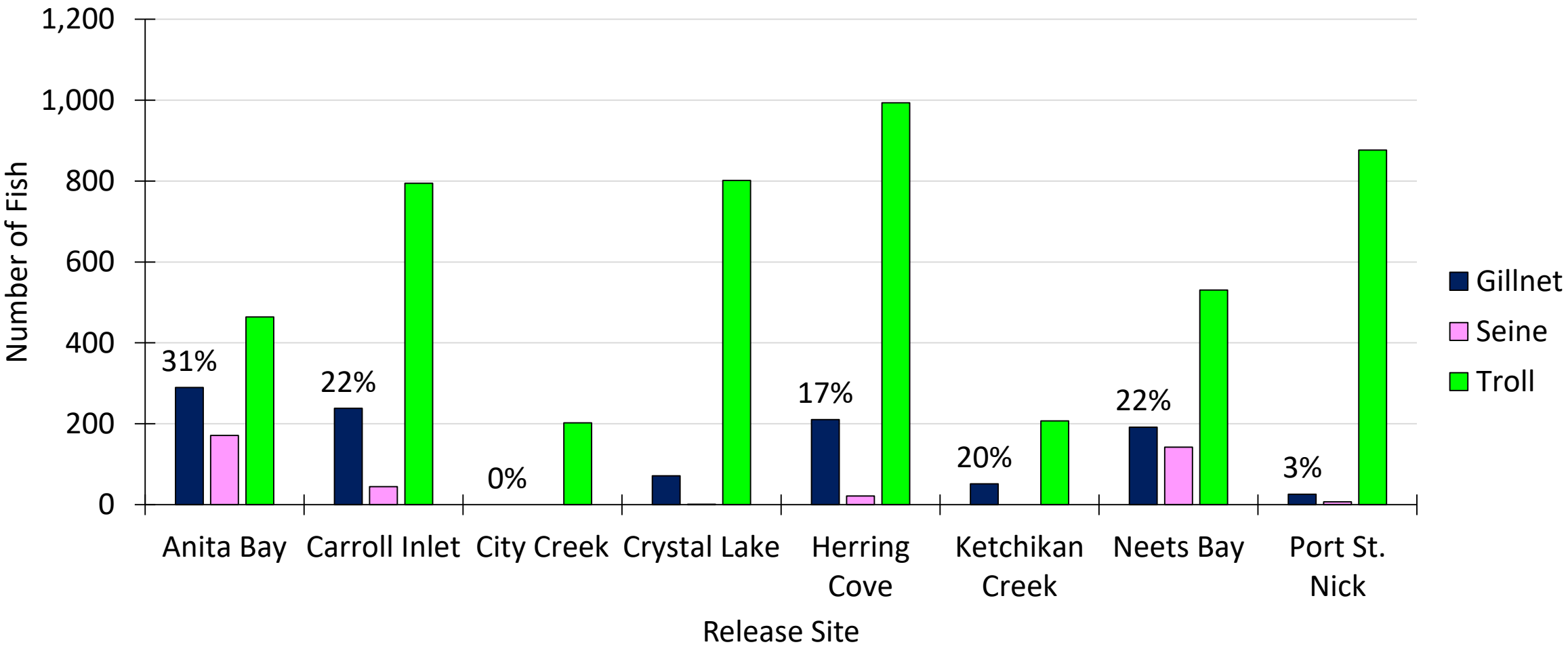

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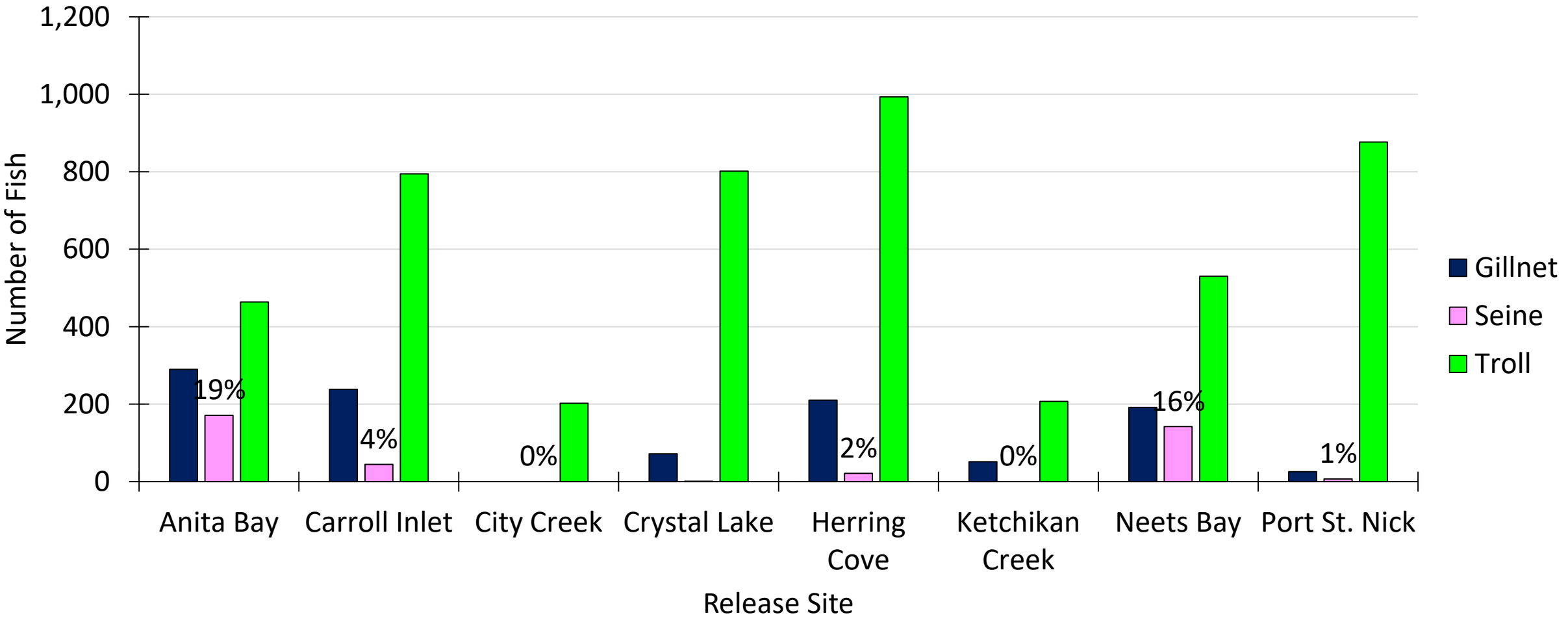
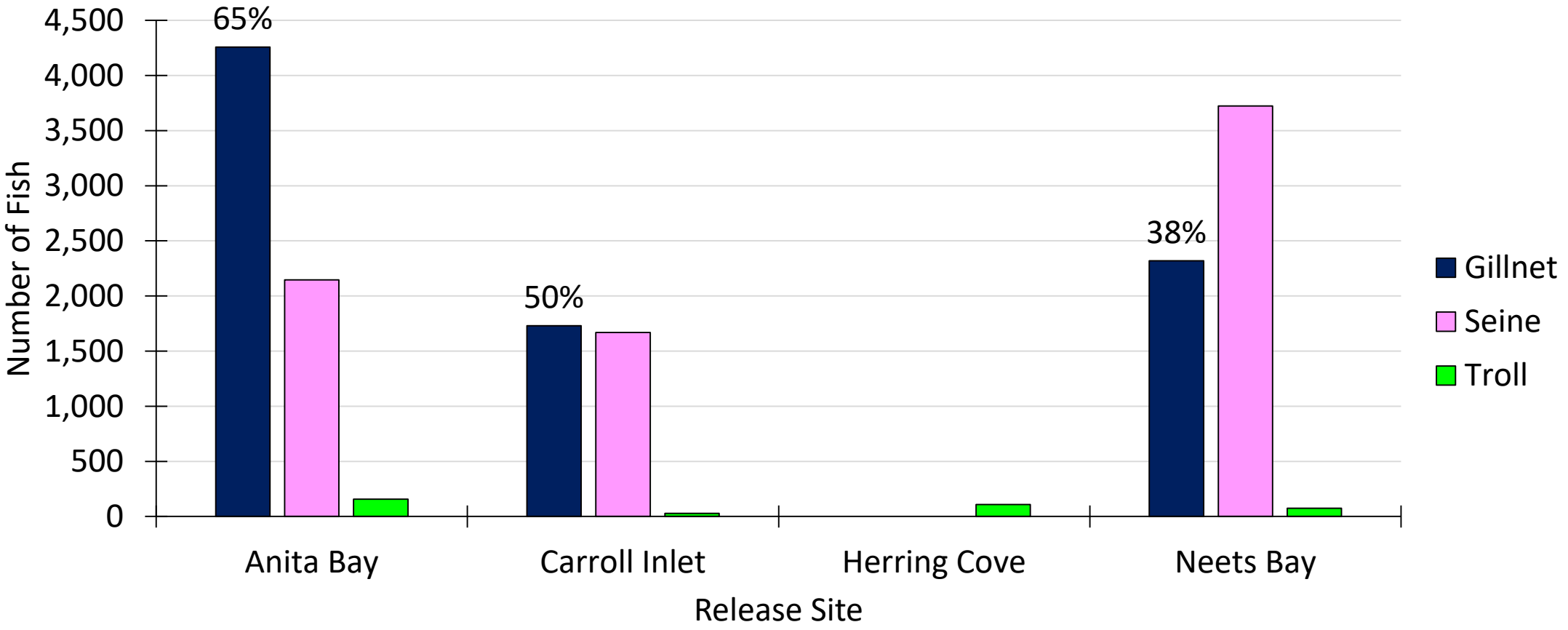


2021 SSRAA Terminal Chinook Contribution



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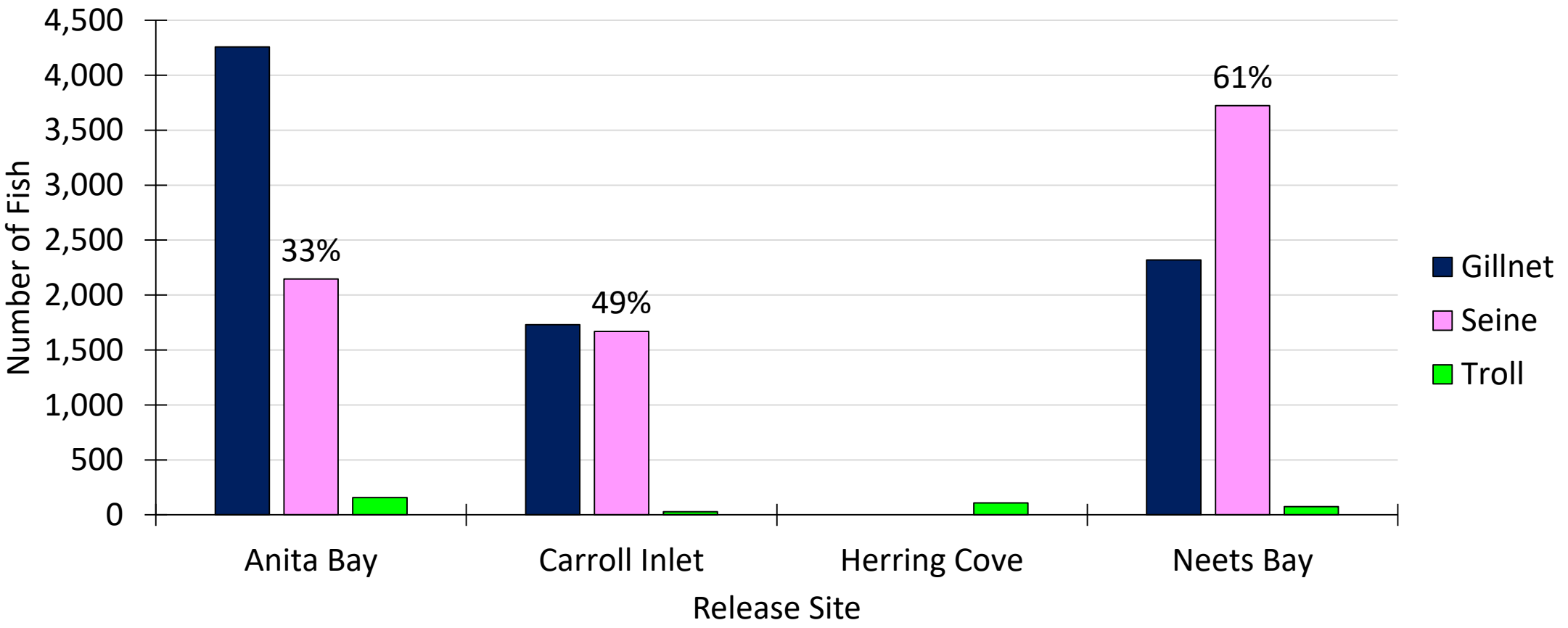
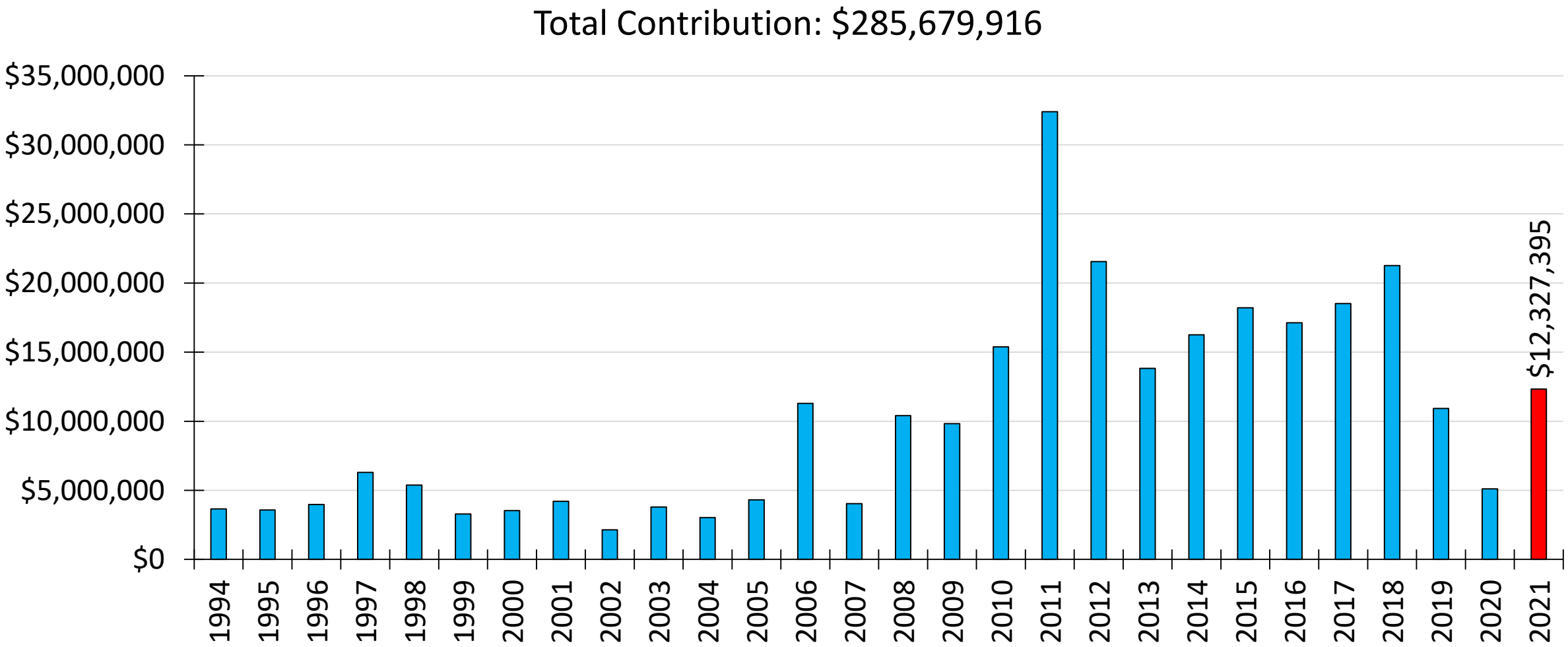


Preliminary 2021 SSRAA Value Estimates

Species	Gillnet	Seine	Troll	Total
Chinook	$636,336	$474,419	$502,324	**$ 1,613,079**
Coho	$467,585	$266,205	$2,451,247	**$3,185,037**
Summer Chum	$2,583,317	$4,804,787	-	**$7,388,104**
Fall Chum	$111,553	$29,623	-	**$141,176**
Total	**$3,798,791**	**$5,575,034**	**$2,953,571**	**$12,327,395**

2021 SSRAA Contribution to Ex-Vessel Value



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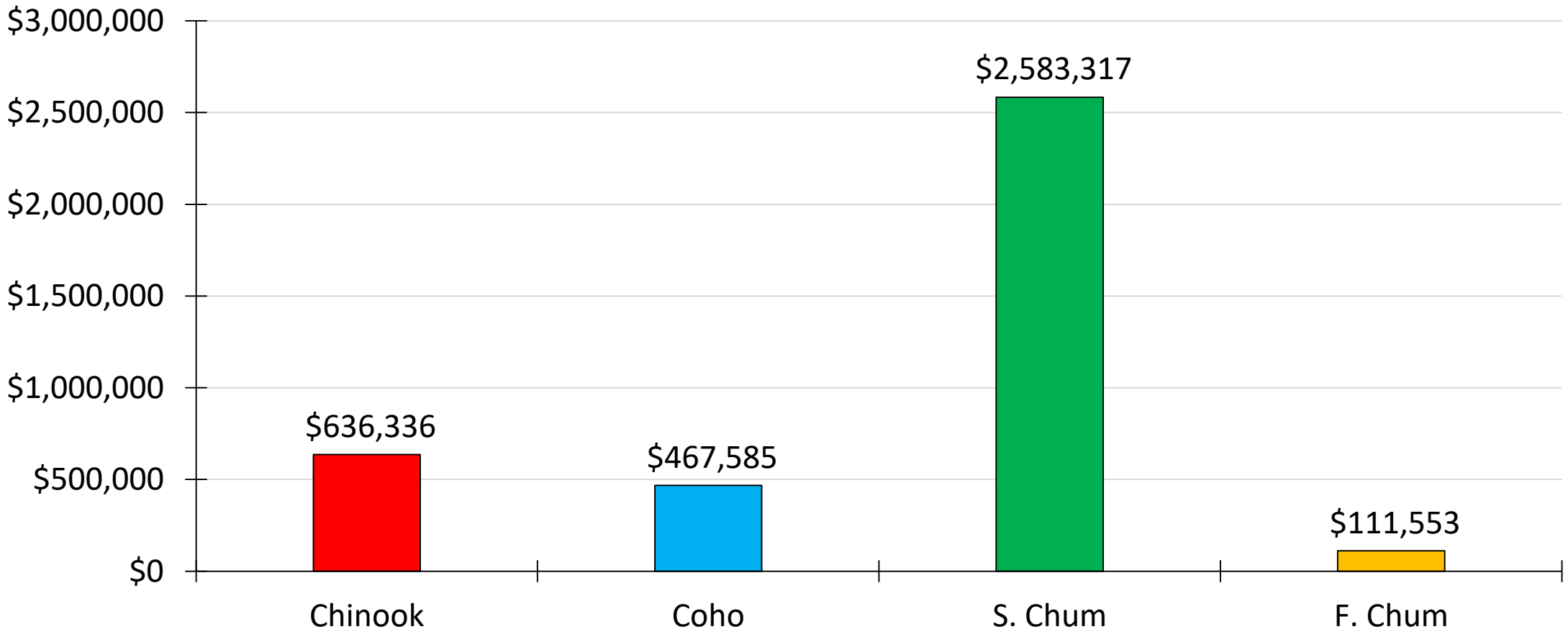
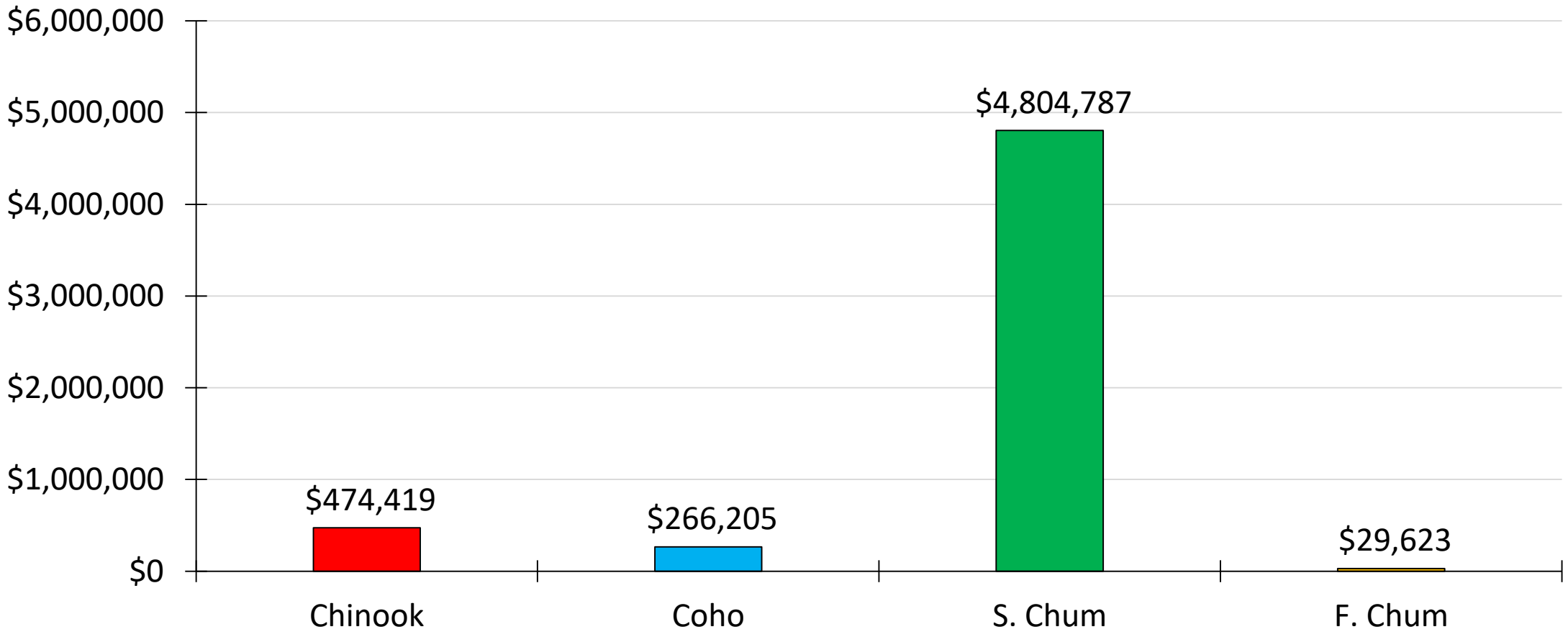
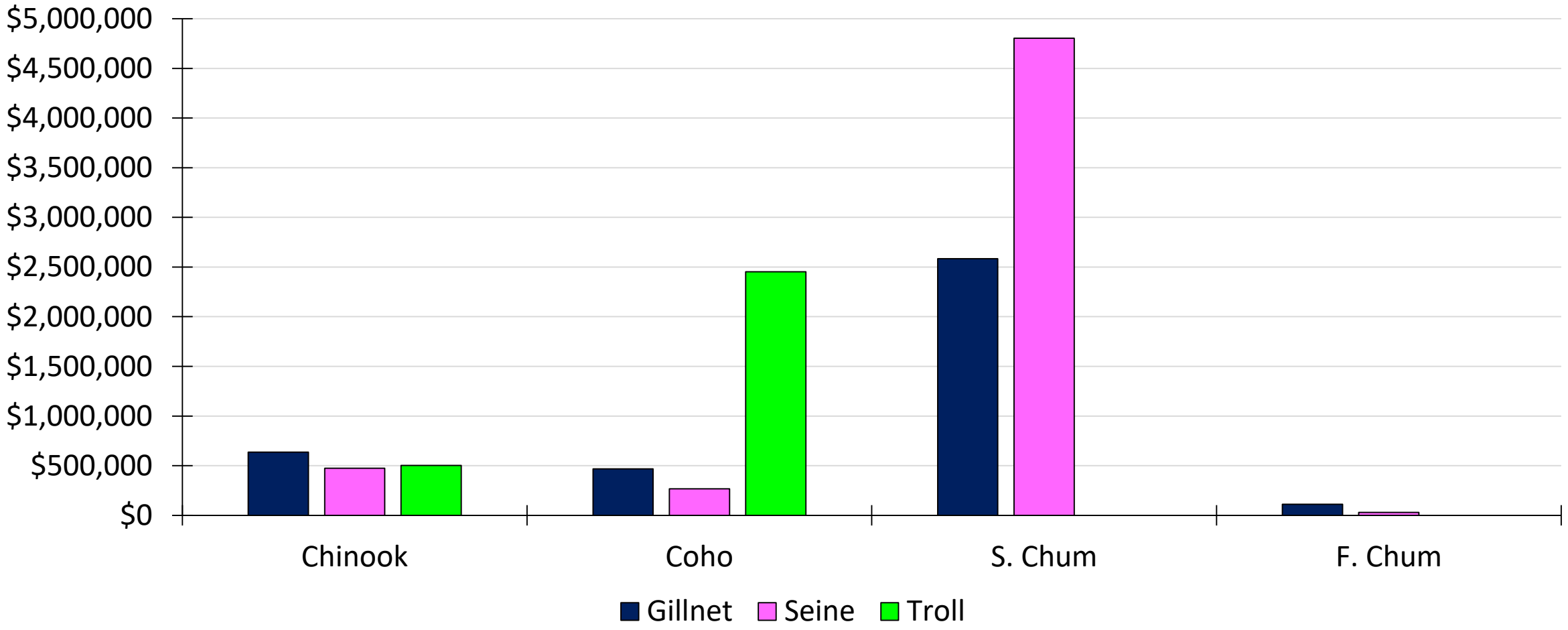


2021 SSRAA Contribution to Seine Ex-Vessel Value



2021 SSRAA Contribution by Species and Gear



Preliminary 2022 SSRAA Chinook Forecast

Chinook									
Site	**Age 3**	**Age 4**	**Age 5**	**Age 6**	**Traditional**	**Terminal**	**Total**	**Forecast Survival**	**2021 Return**
Anita	100	3,400	6,000	400	3,000	6,900	9,900	2.3%	7,700
Carroll	100	2,000	3,800	100	1,700	4,300	6,000	1.0%	7,300
Crystal	100	1,000	2,100	200	1,600	1,800	3,400	0.5%	1,500
Neets		3,100	3,400	100	1,900	4,700	6,600	2.3%	7,100
PSN	100	2,100	2,500	100	1,500	3,300	4,800	1.6%	5,700
Whitman	200	2,600	4,000	100	2,300	4,600	6,900	1.1%	5,200
Total	**600**	**14,200**	**21,800**	**1,000**	**12,000**	**25,600**	**37,600**		**34,500**

Preliminary 2022 SSRAA Coho Forecast

Coho						
Site	**Traditional**	**Terminal**	**Total**		**Forecast Survival**	**2021 Return**
Anita Bay	6,600	5,200	11,800		2.0%	11,200
Crystal Lake	2,300	1,500	3,800		3.0%	1,900
Klawock	125,800	53,900	179,700		3.5%	137,100
Nakat	14,600	6,700	21,300		3.5%	32,900
Neck Lake	5,300	3,600	8,900		1.5%	24,000
Neets Bay	92,900	34,400	127,300		2.5%	127,500
Whitman Falls	7,300	3,300	10,600		3.0%	16,600
Whitman Summers	2,500	2,800	5,300		2.0%	16,900
Total	**257,300**	**111,400**	**368,700**			**368,100**

Preliminary 2022 SSRAA Chum Forecast

Summer Chum				
Site	**Low**	**Mid**	**High**	**2021 Return**
Anita	233,000	259,000	336,000	203,000
Burnett	208,000	239,000	335,000	231,000
Kendrick	326,000	553,000	700,000	398,000
Nakat	172,000	243,000	264,000	180,000
Neets	384,000	434,000	624,000	233,000
Port Asumcion	295,000	362,000	462,000	283,000
Total	**1,618,000**	**2,090,000**	**2,721,000**	**1,528,000**

Preliminary 2022 SSRAA Chum Forecast

Species	Site	Age 3	Age 4	Age 5	Traditional	Terminal	Total
Summer Chum	Anita	114,000	143,000	3,000	166,100	93,900	260,000
	Burnett	115,000	122,000	3,000	91,000	149,000	240,000
	Kendrick	222,000	327,000	4,000	431,200	121,800	553,000
	Nakat	82,000	156,000	5,000	140,200	102,800	243,000
	Neets	301,000	128,000	4,000	142,100	290,900	433,000
	Port Asumcion	208,000	152,000	2,000	144,300	217,700	362,000
	Total	**1,042,000**	**1,028,000**	**21,000**	**1,114,900**	**976,100**	**2,091,000**
Fall Chum	Burnett	23,000	23,000	3,000	27,400	21,600	49,000
	Nakat	26,000	26,000	0	31,700	20,300	52,000
	Neets	31,000	31,000	2,000	27,400	36,600	64,000
	Total	**80,000**	**80,000**	**5,000**	**86,500**	**78,500**	**165,000**

Thank you

Questions?