

# SSRAA BoD Meeting

Research & Evaluation

December 2020





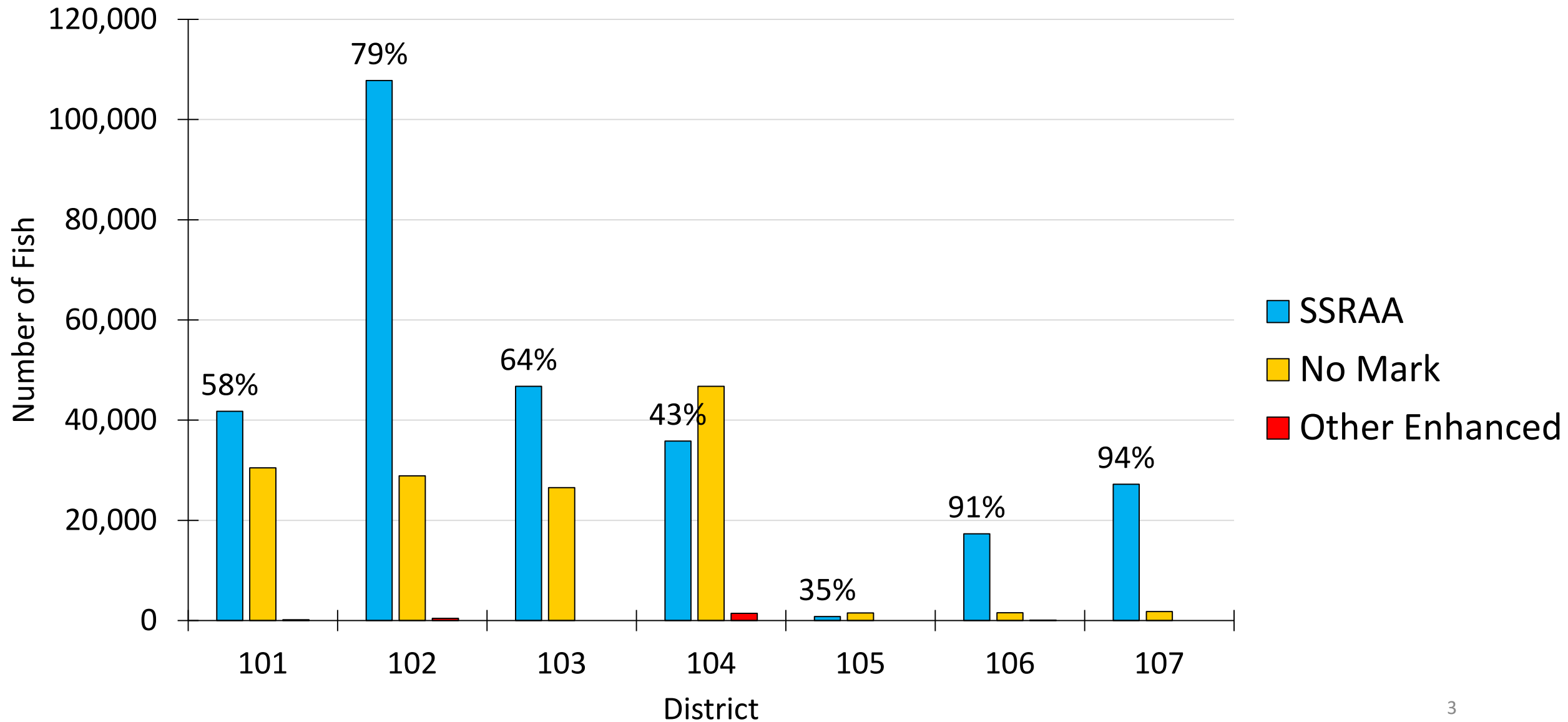
# SSRAA Contribution to Traditional Chum Fisheries

## 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%
<b>Gillnet Total</b>		<b>269,665</b>	<b>63,677</b>	<b>81%</b>
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%
<b>Seine Total</b>		<b>277,500</b>	<b>139,592</b>	<b>67%</b>
<b>Grand Total</b>		<b>547,165</b>	<b>203,268</b>	<b>73%</b>

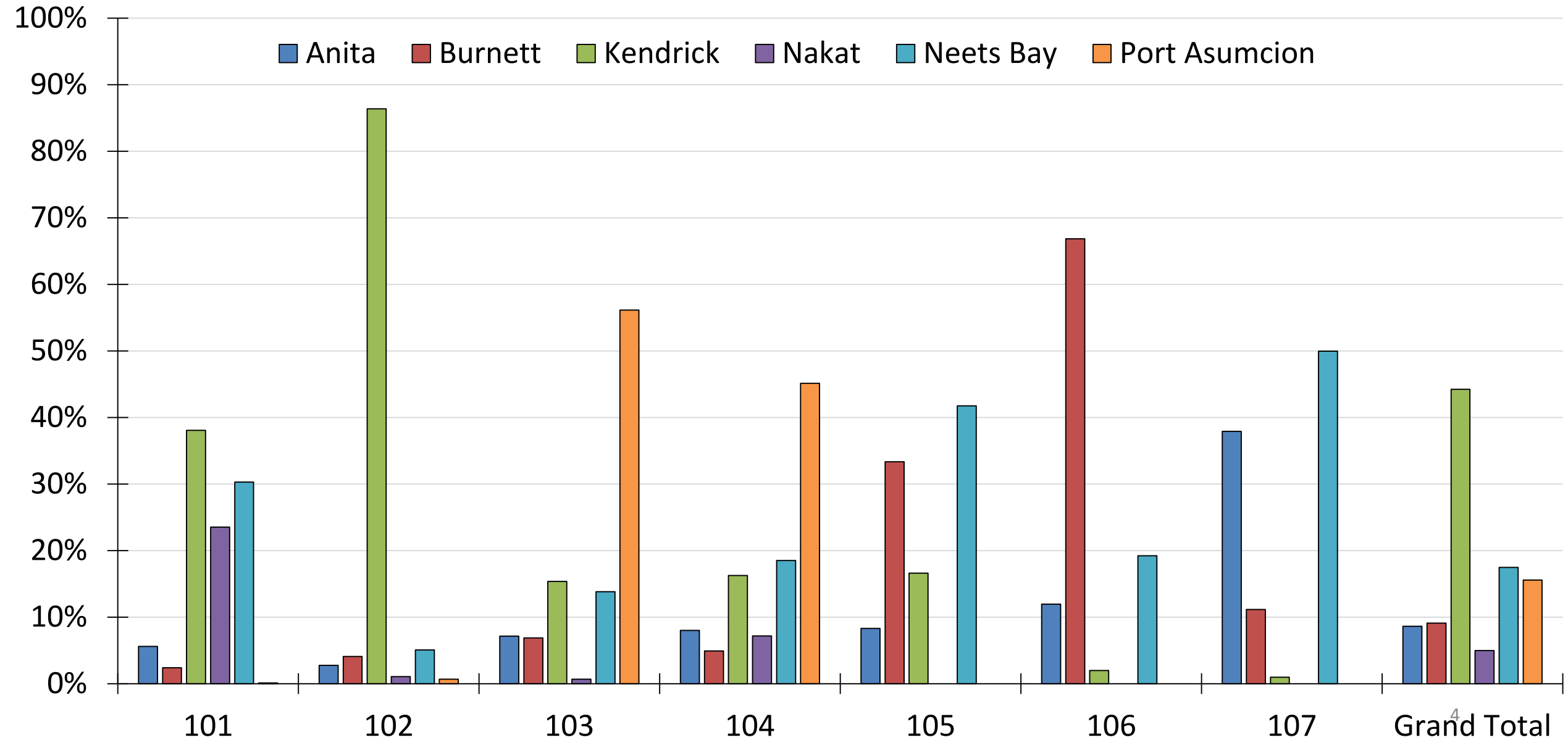


# SSE Traditional Chum Salmon Seine Catch



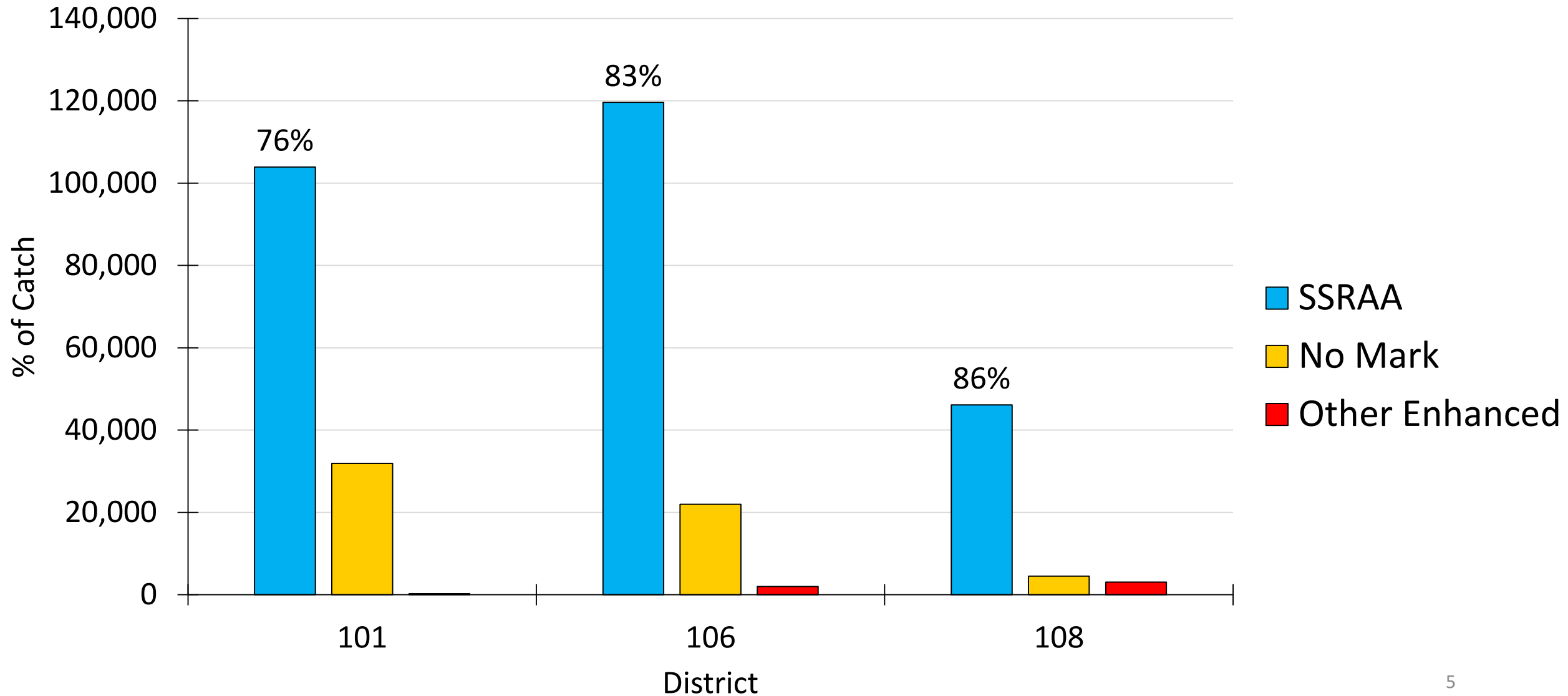


# SSE Traditional Chum Salmon Seine Catch



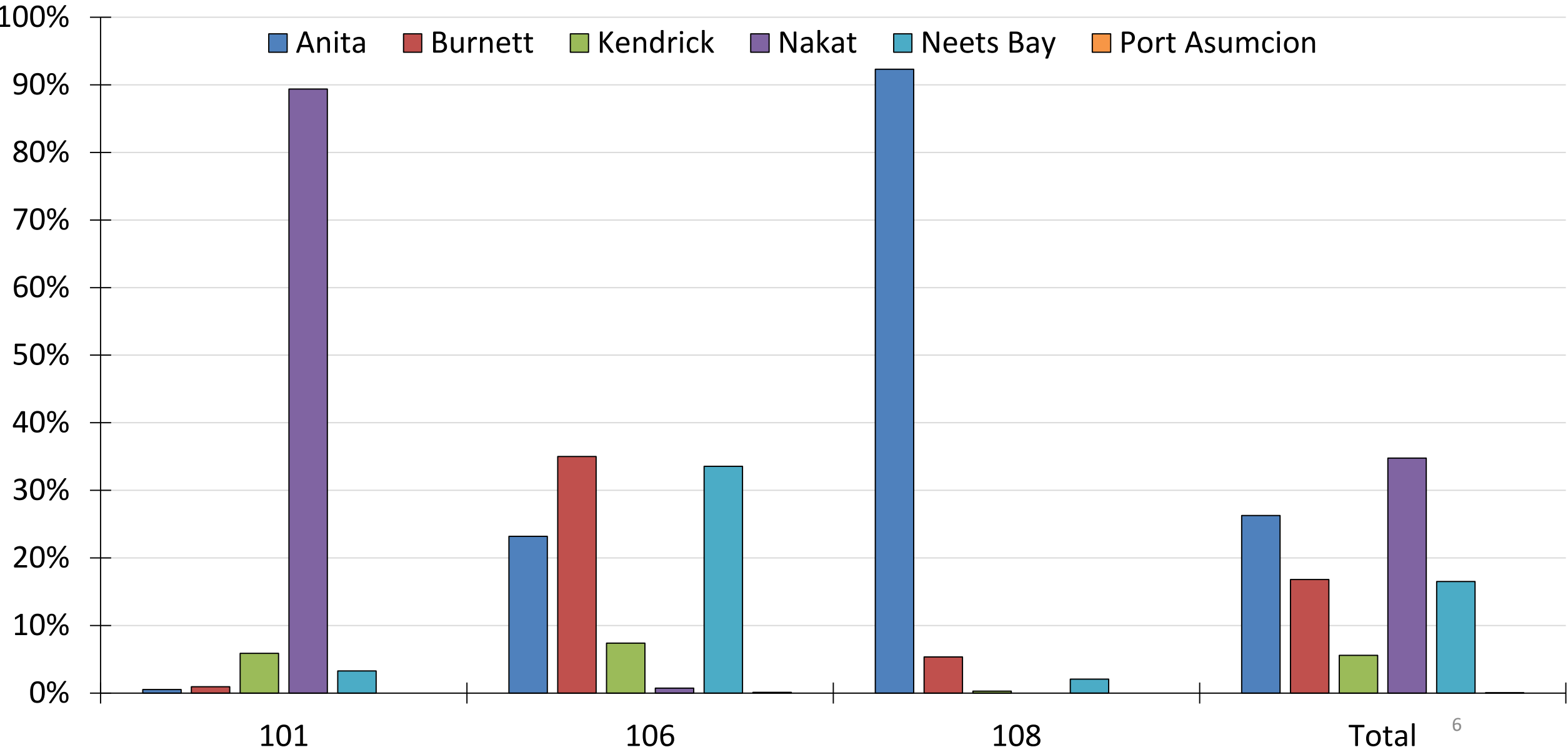


# SSE Traditional Chum Salmon Gillnet Catch



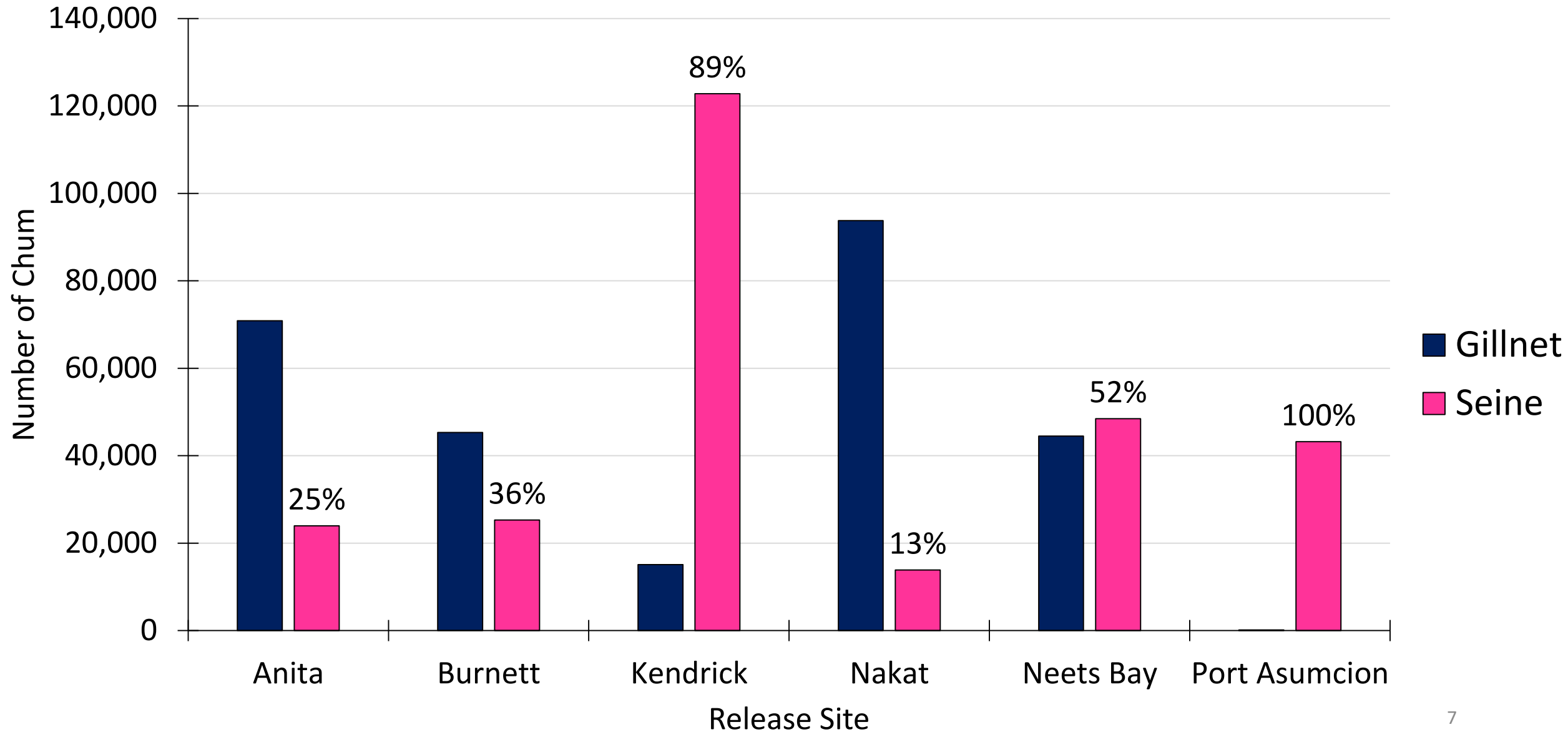


# SSRAA Chum Traditional Gillnet Harvest by District



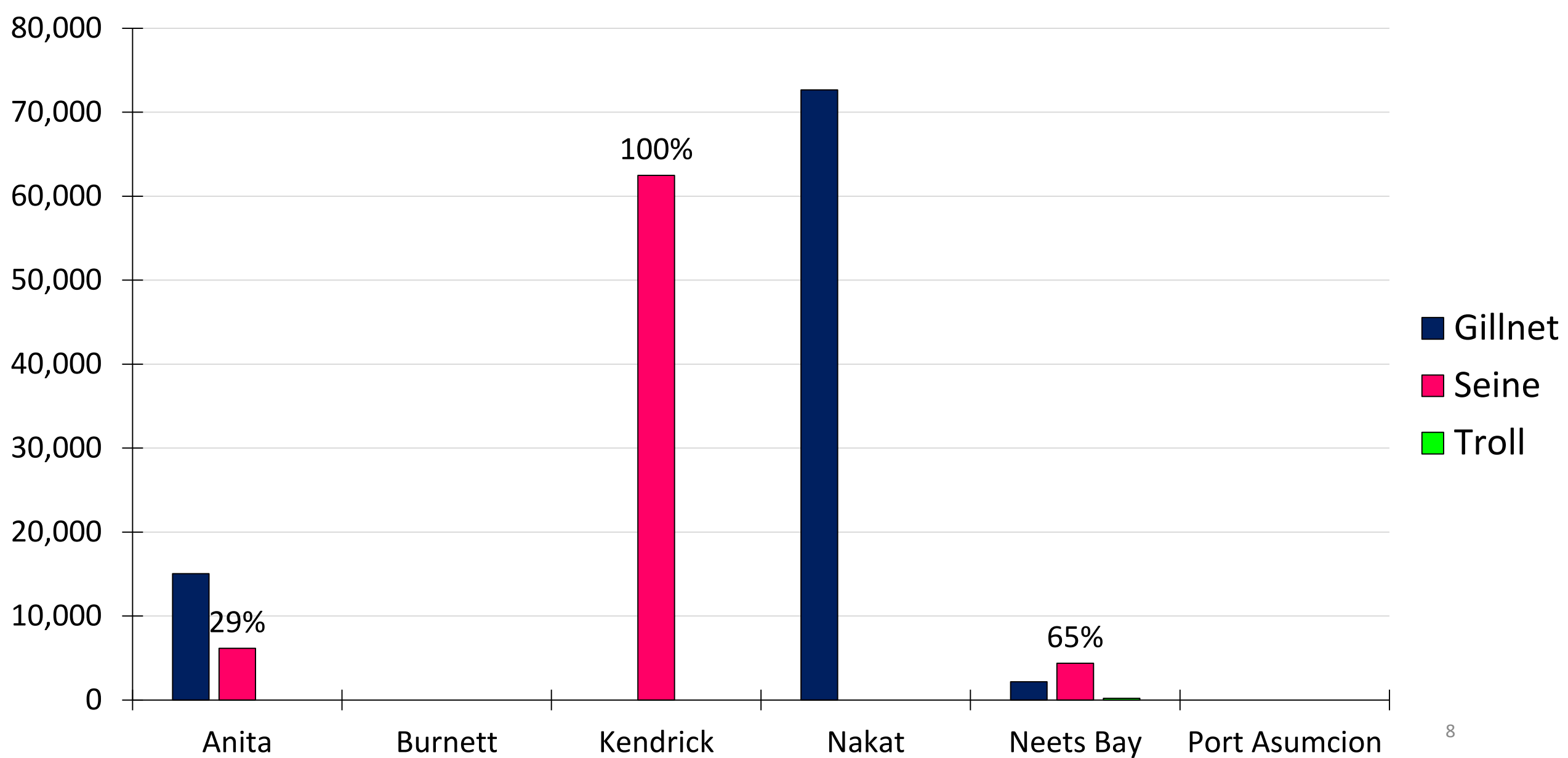


# Traditional Chum Salmon Catch by Release Site



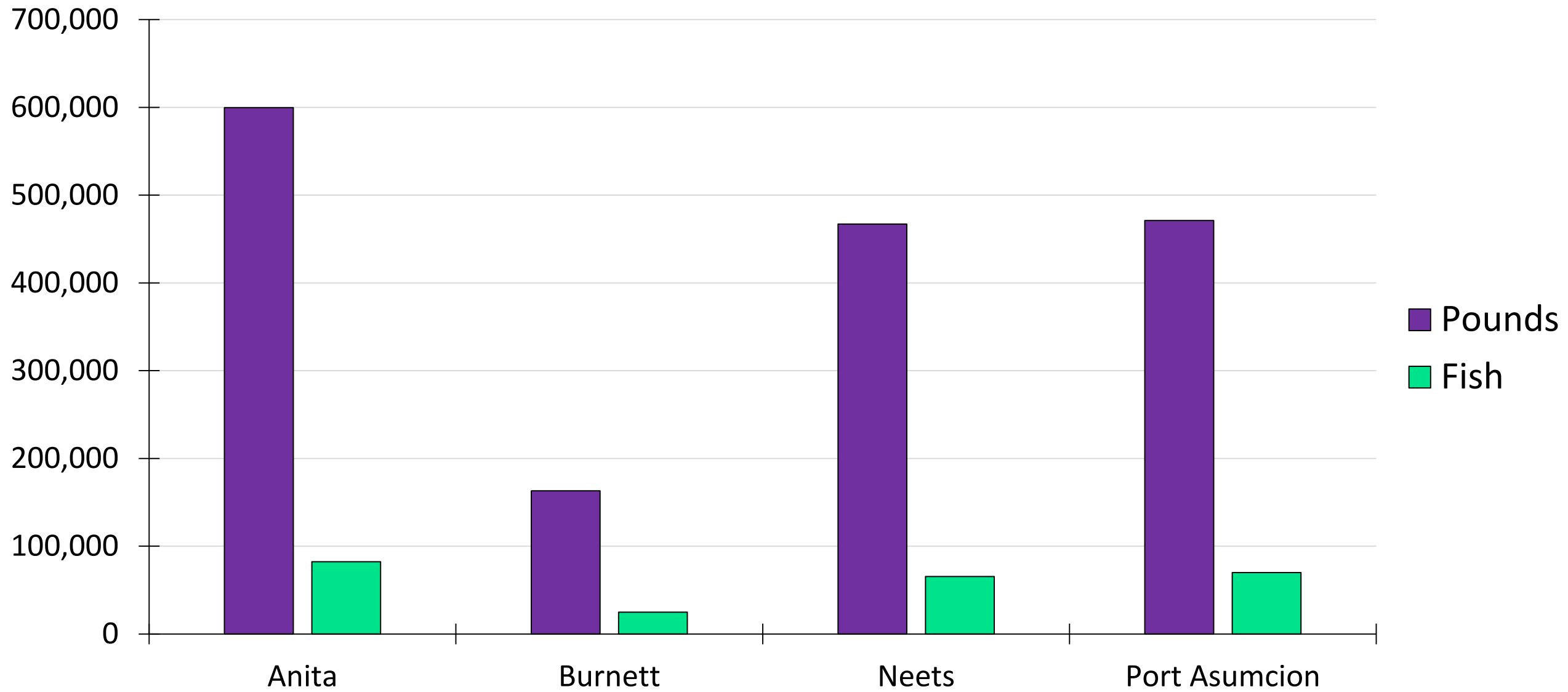


# Terminal Chum Salmon Catch by Release Site



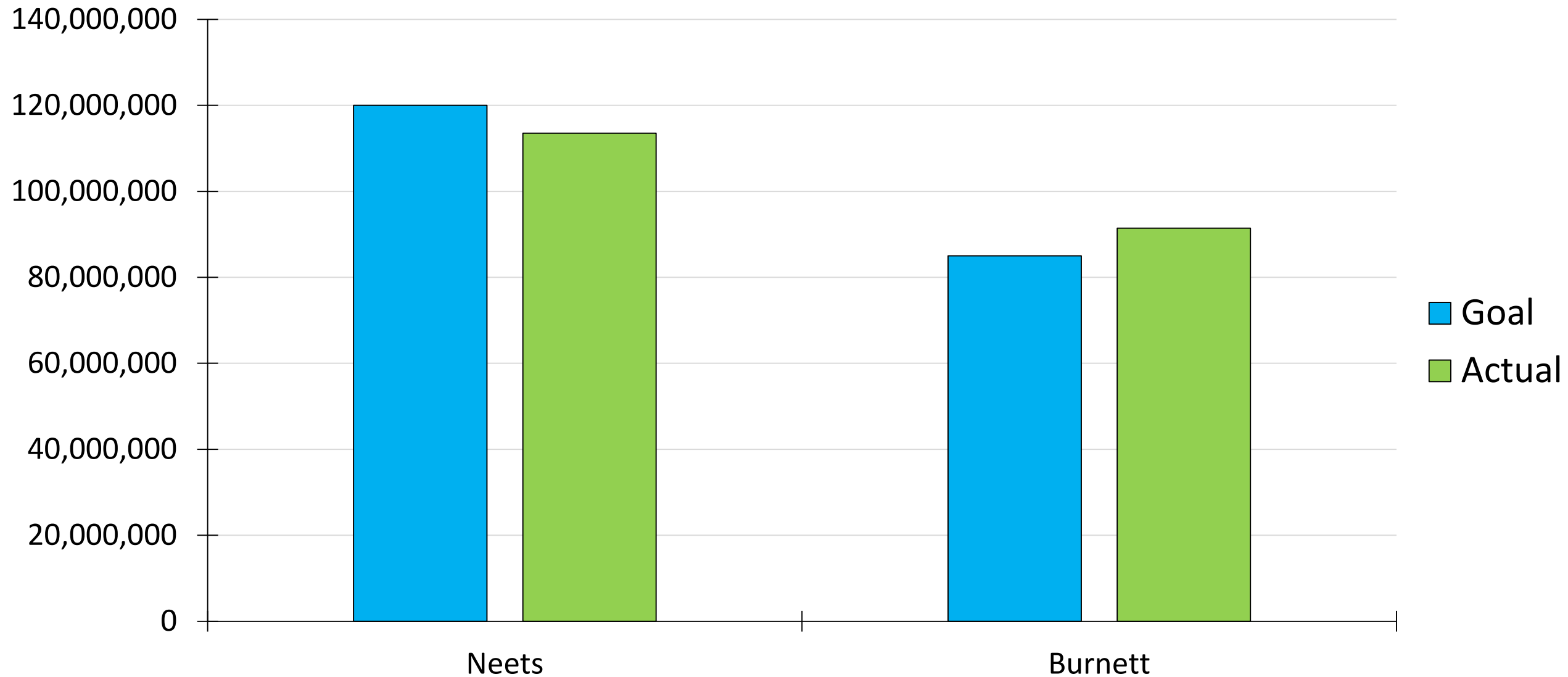


# SSRAA Summer Chum Cost Recovery



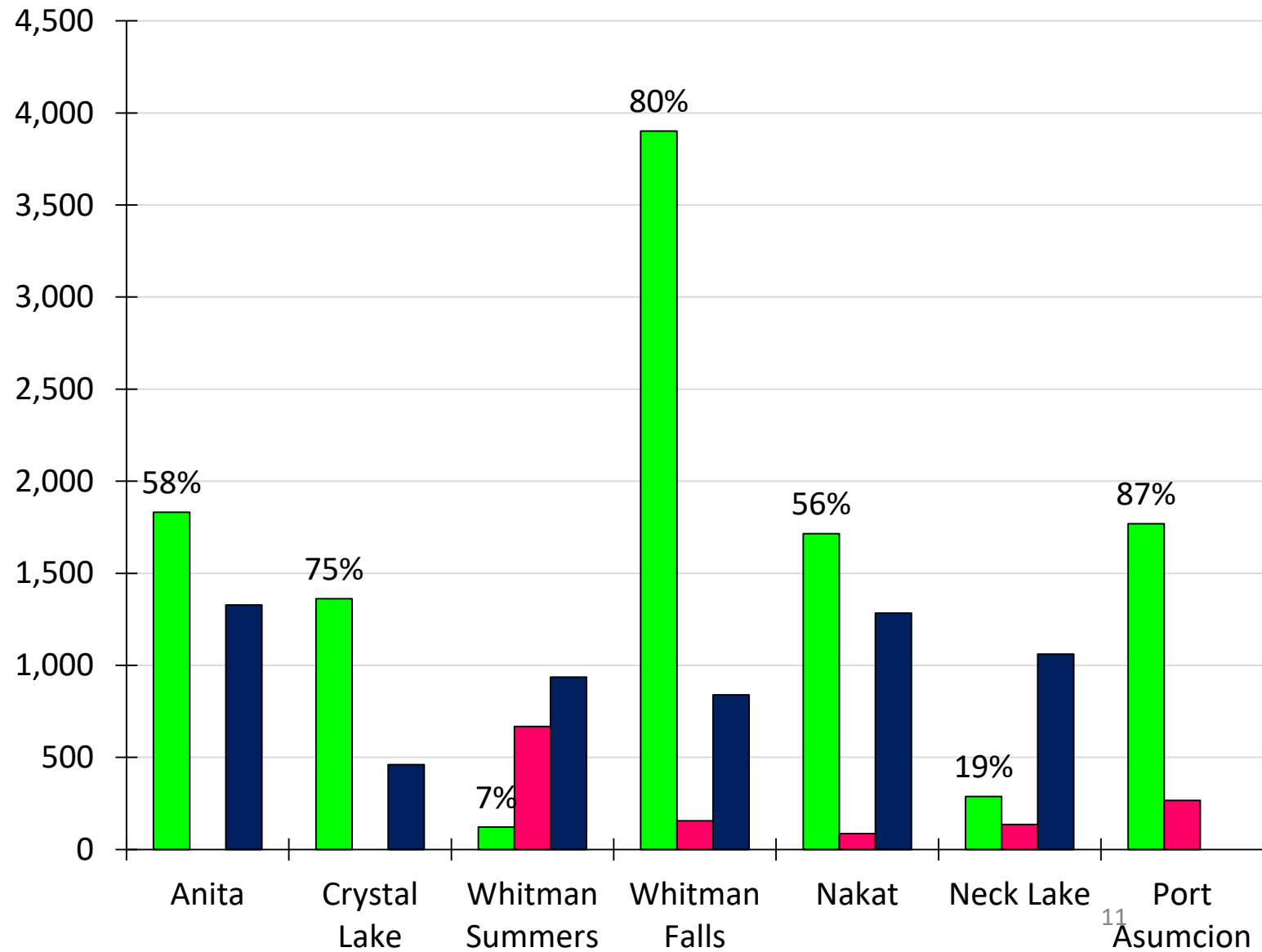
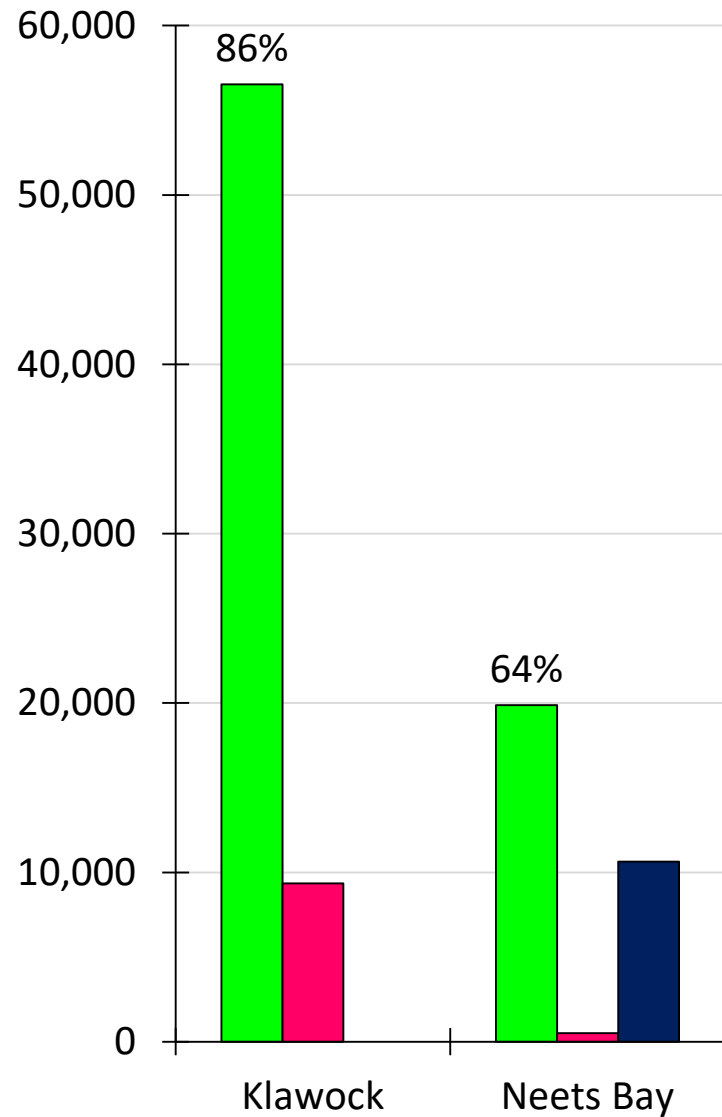


# SSRAA Summer Chum Broodstock



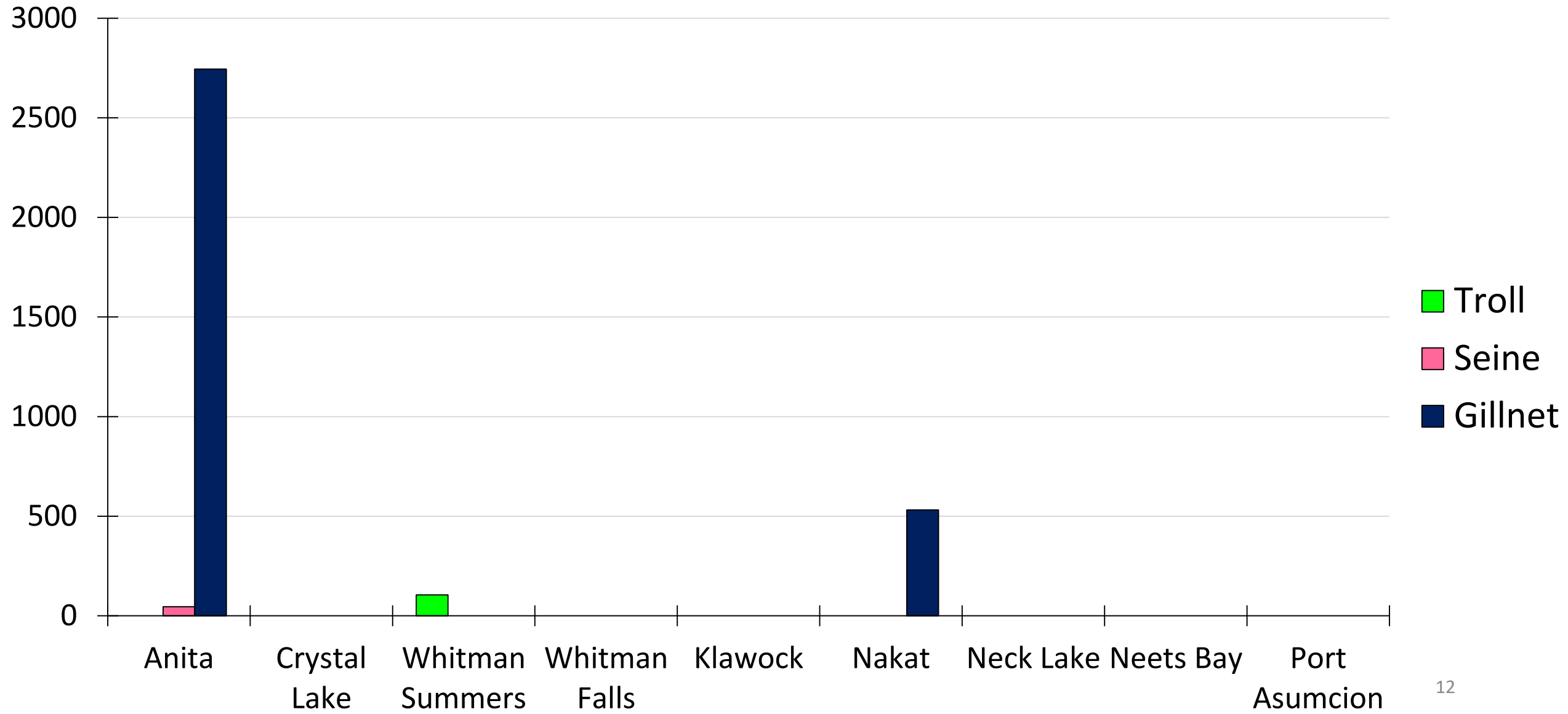


# 2020 SSRAA Traditional Coho Contribution



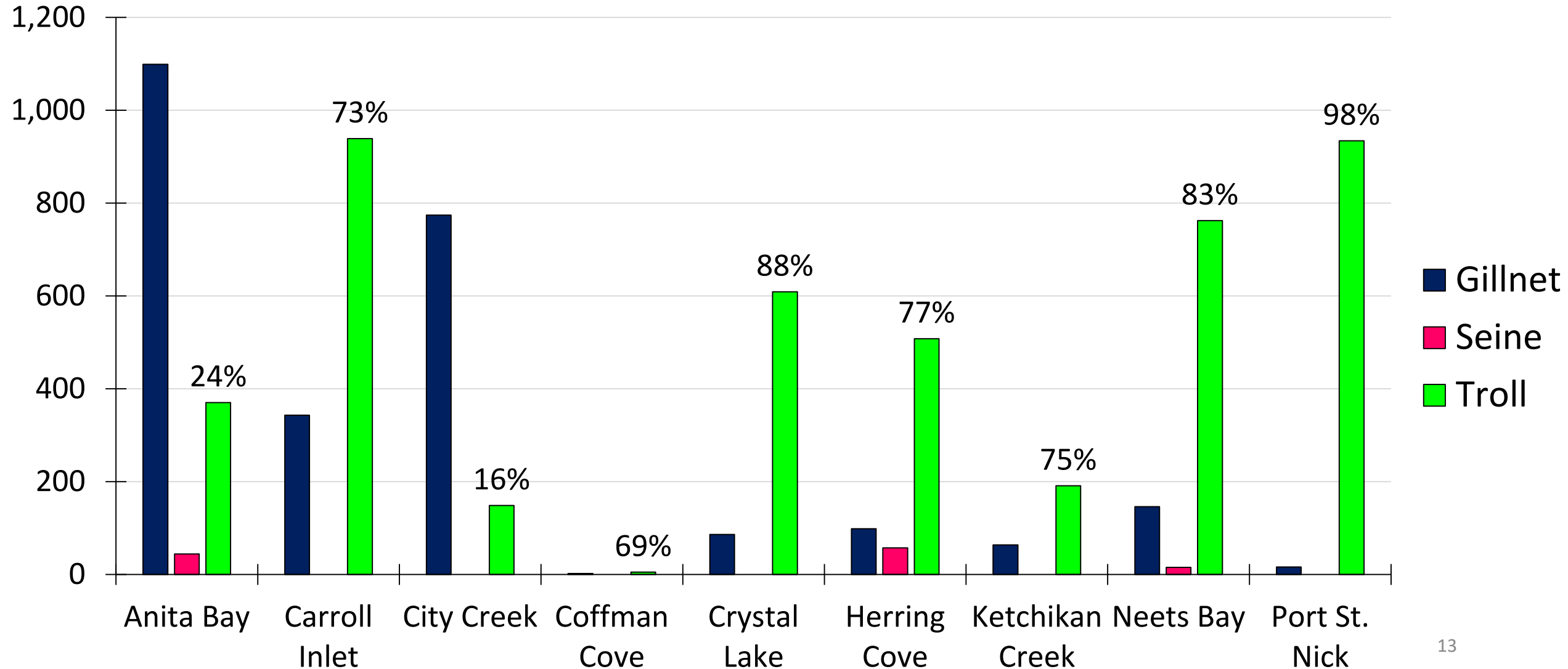


# 2020 SSRAA Terminal Coho Contribution



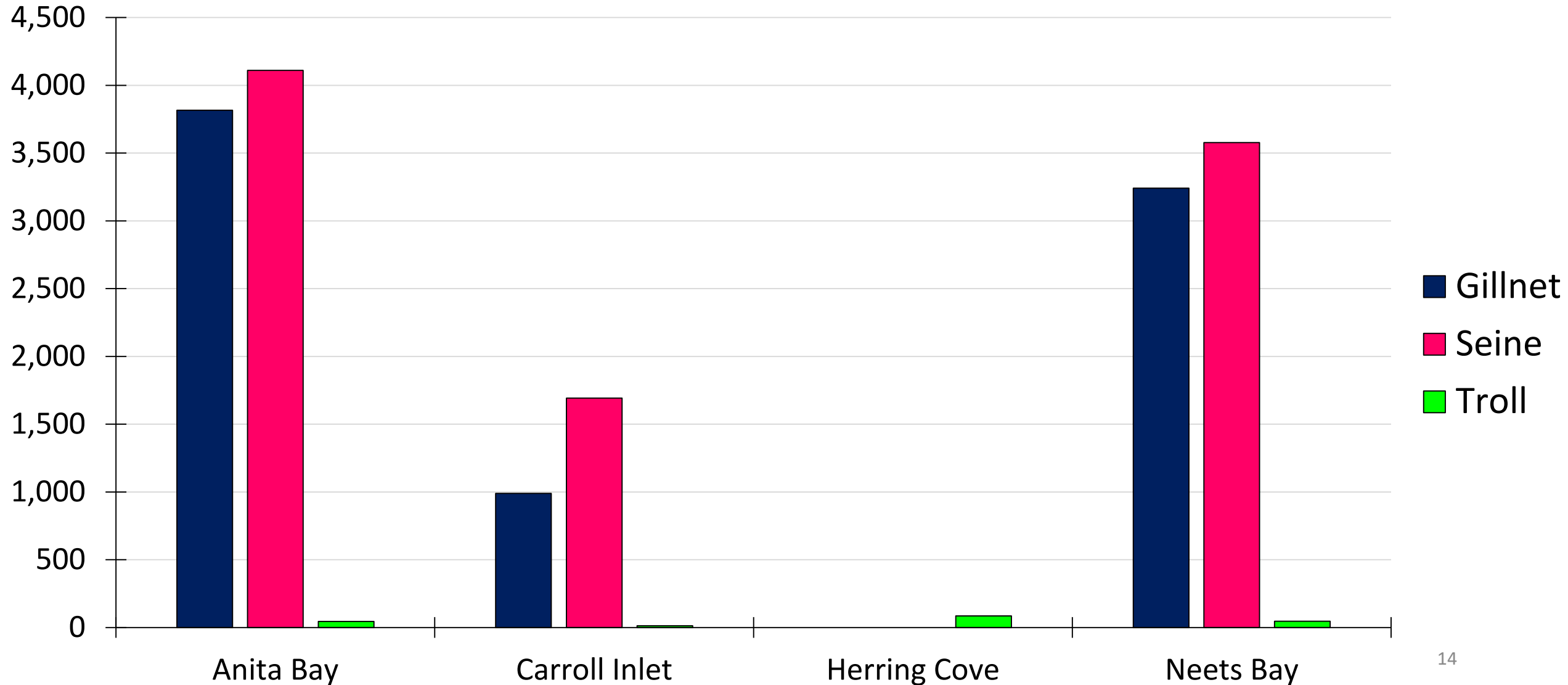


# 2020 SSRAA Traditional Chinook Contribution





# 2020 SSRAA Terminal Chinook Contribution



# Preliminary 2020 Value Estimates





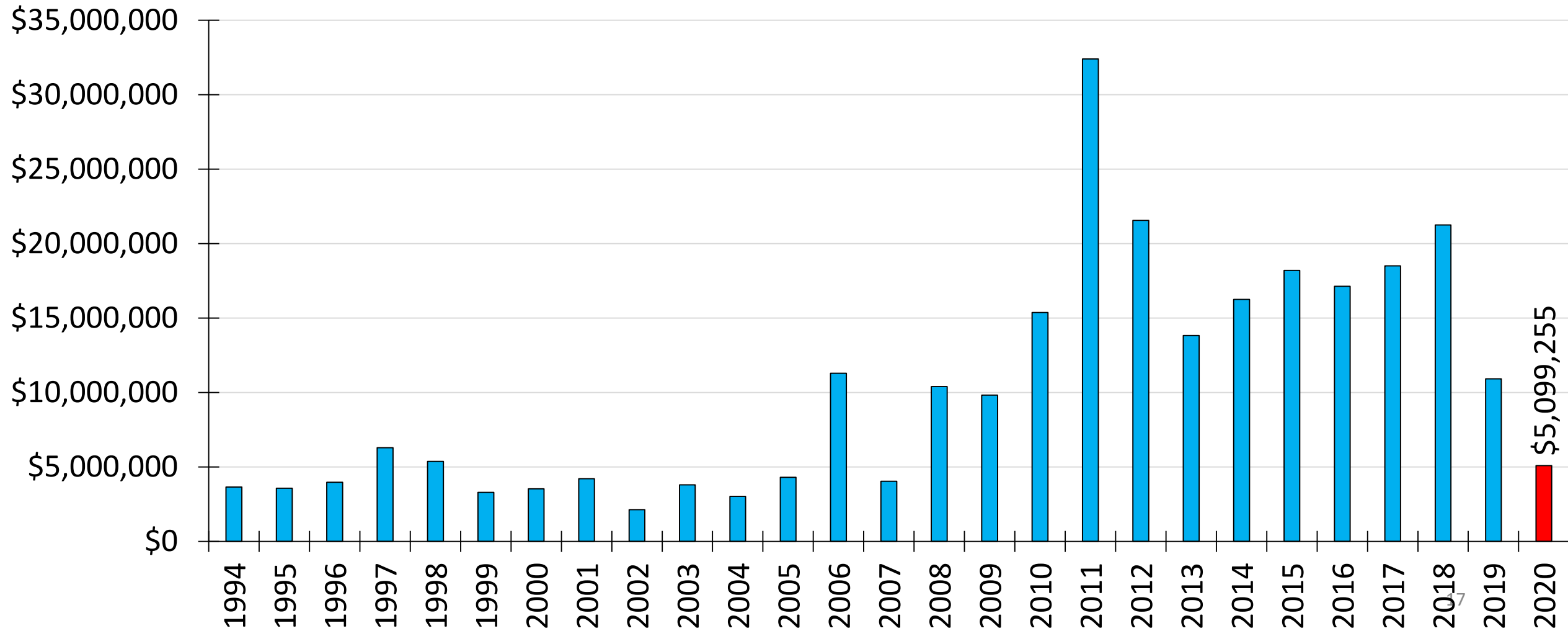
# Preliminary 2020 SSRAA Value Estimates

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
<b>Total</b>	<b>\$ 1,998,635</b>	<b>\$ 1,675,238</b>	<b>\$ 1,425,382</b>	<b>\$ 5,099,255</b>
	<b>39%</b>	<b>33%</b>	<b>28%</b>	



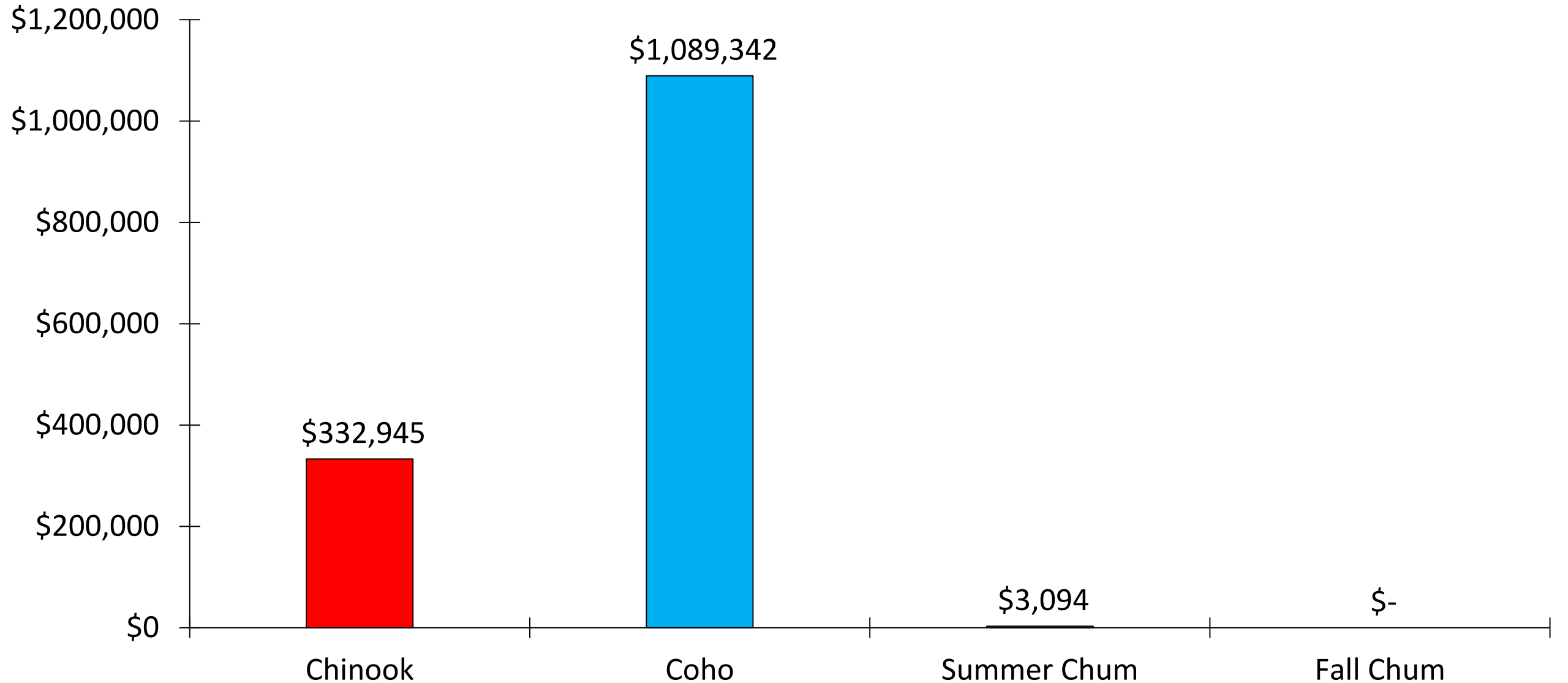
# 2020 SSRAA Contribution to Ex-Vessel Value

Total Contribution: \$271,157,255



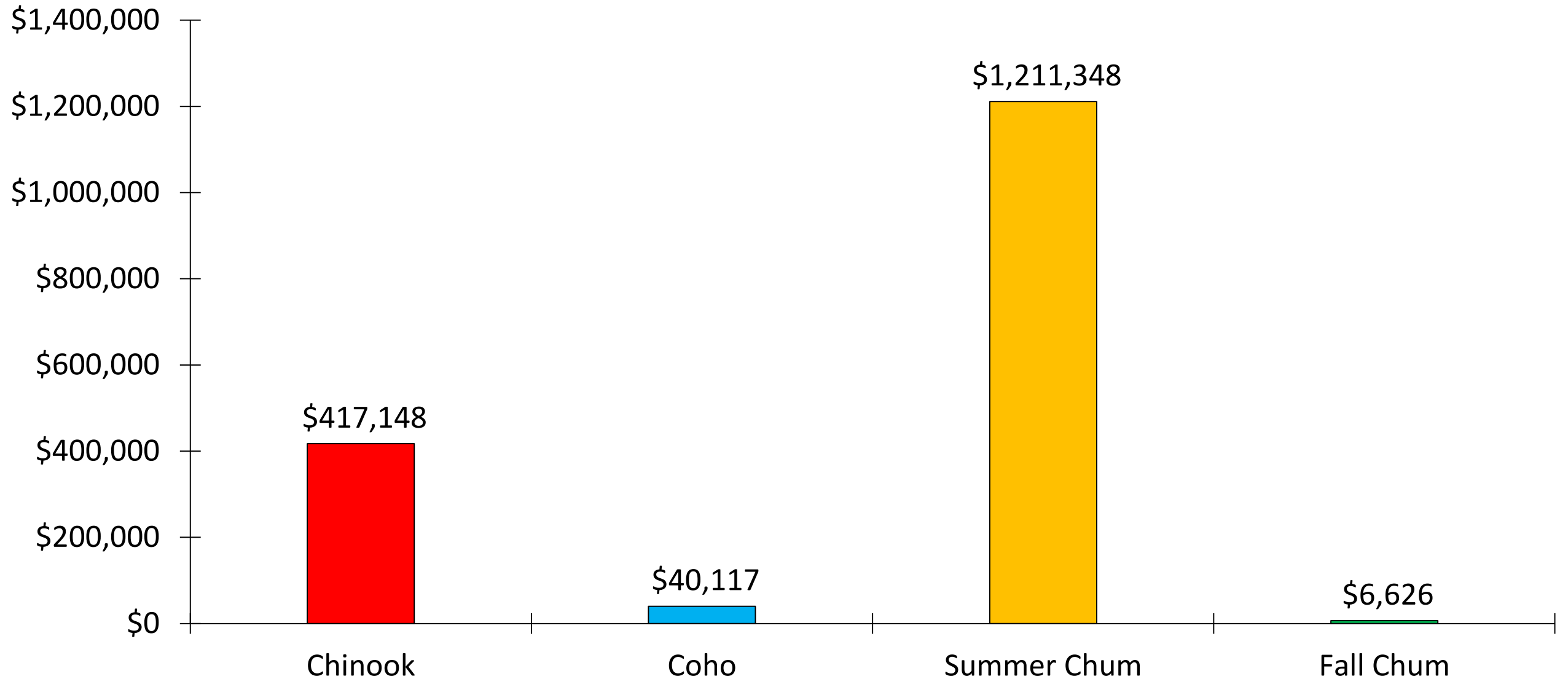


# 2020 SSRAA Contribution to Troll Ex-Vessel Value



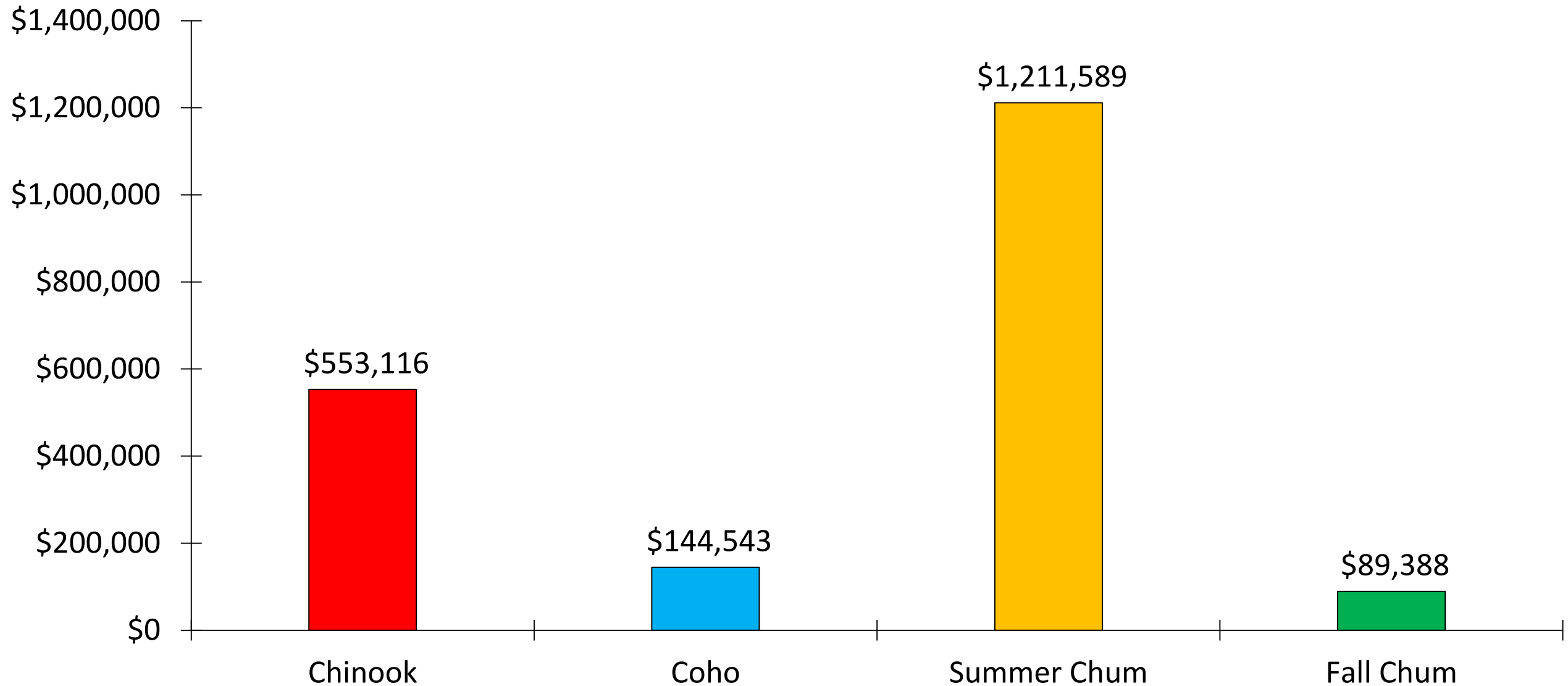


# 2020 SSRAA Contribution to Seine Ex-Vessel Value



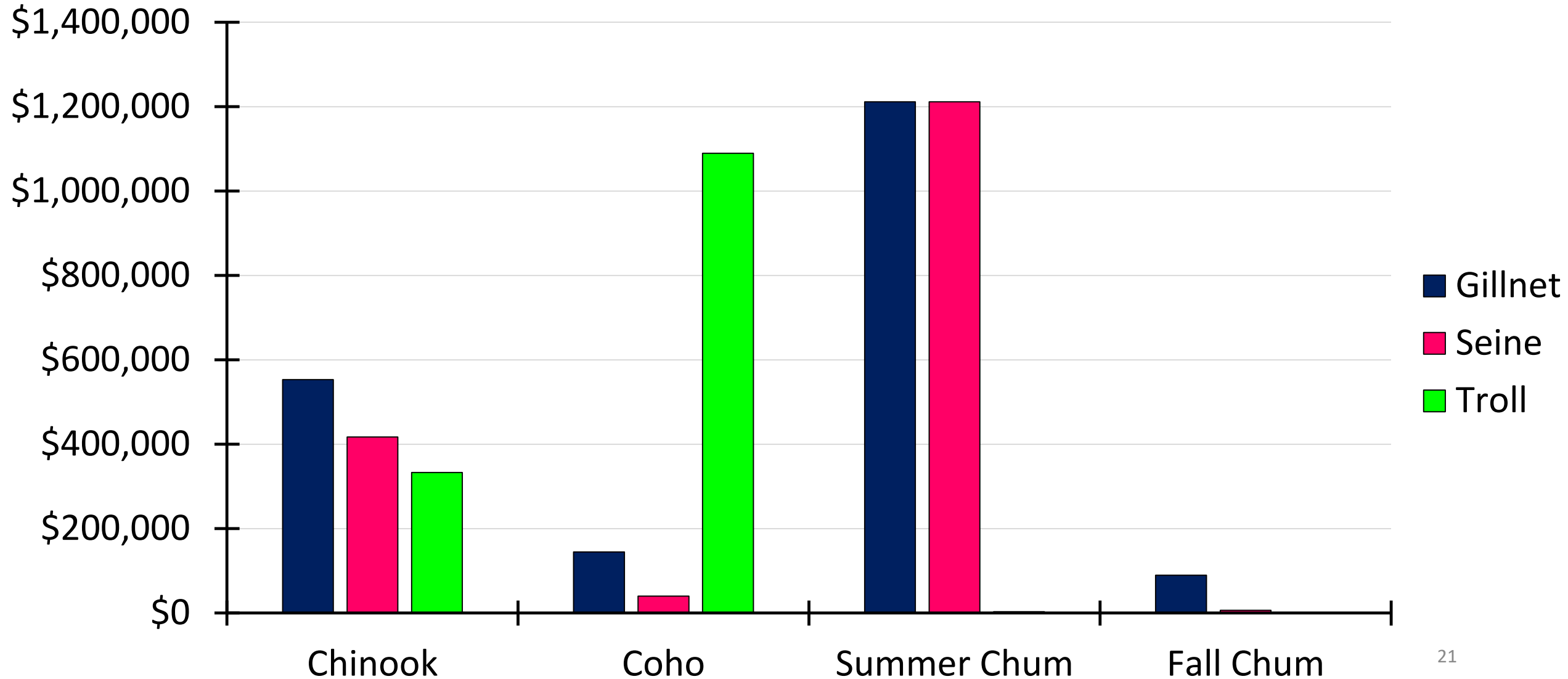


# 2020 SSRAA Contribution to Gillnet Ex-Vessel Value



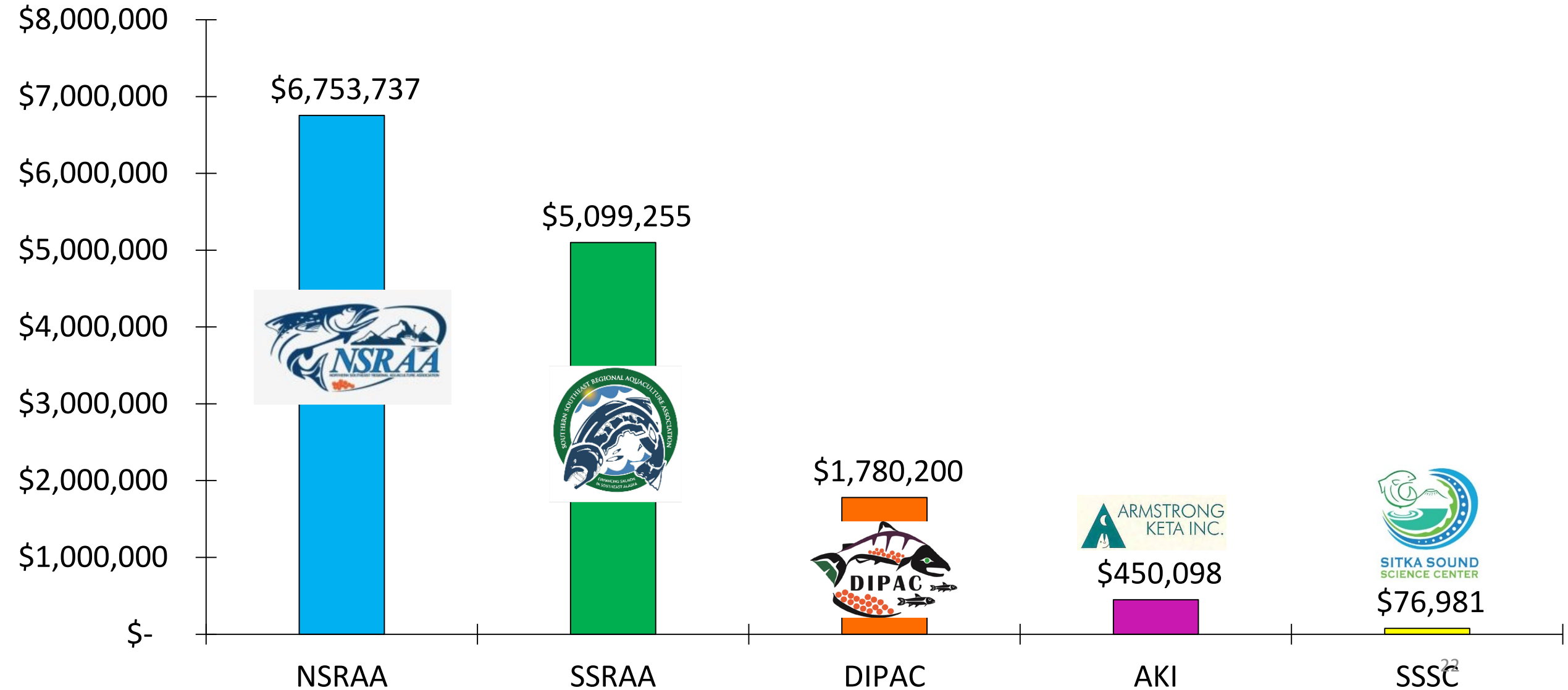


# 2020 SSRAA Contribution by Species and Gear



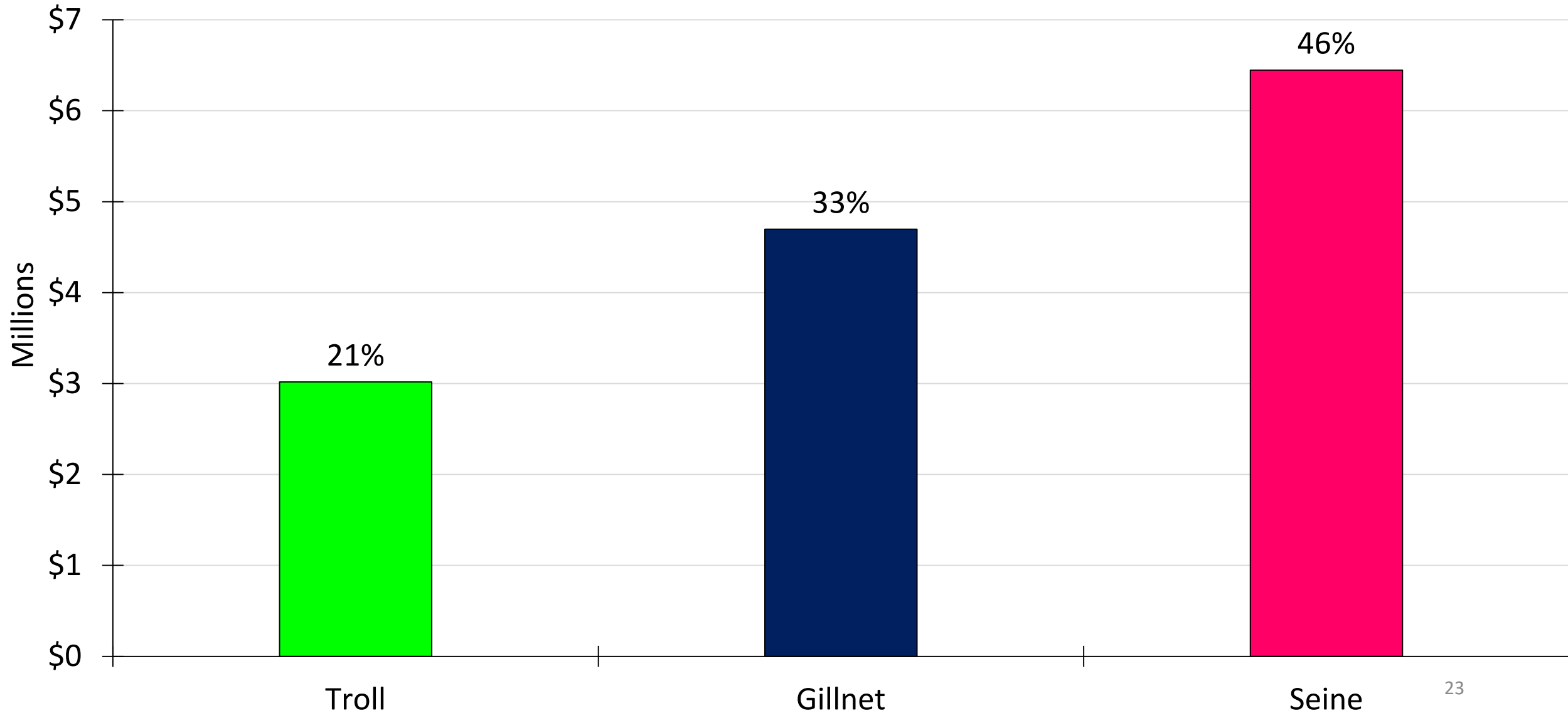


# 2020 Preliminary Enhancement Value by Agency



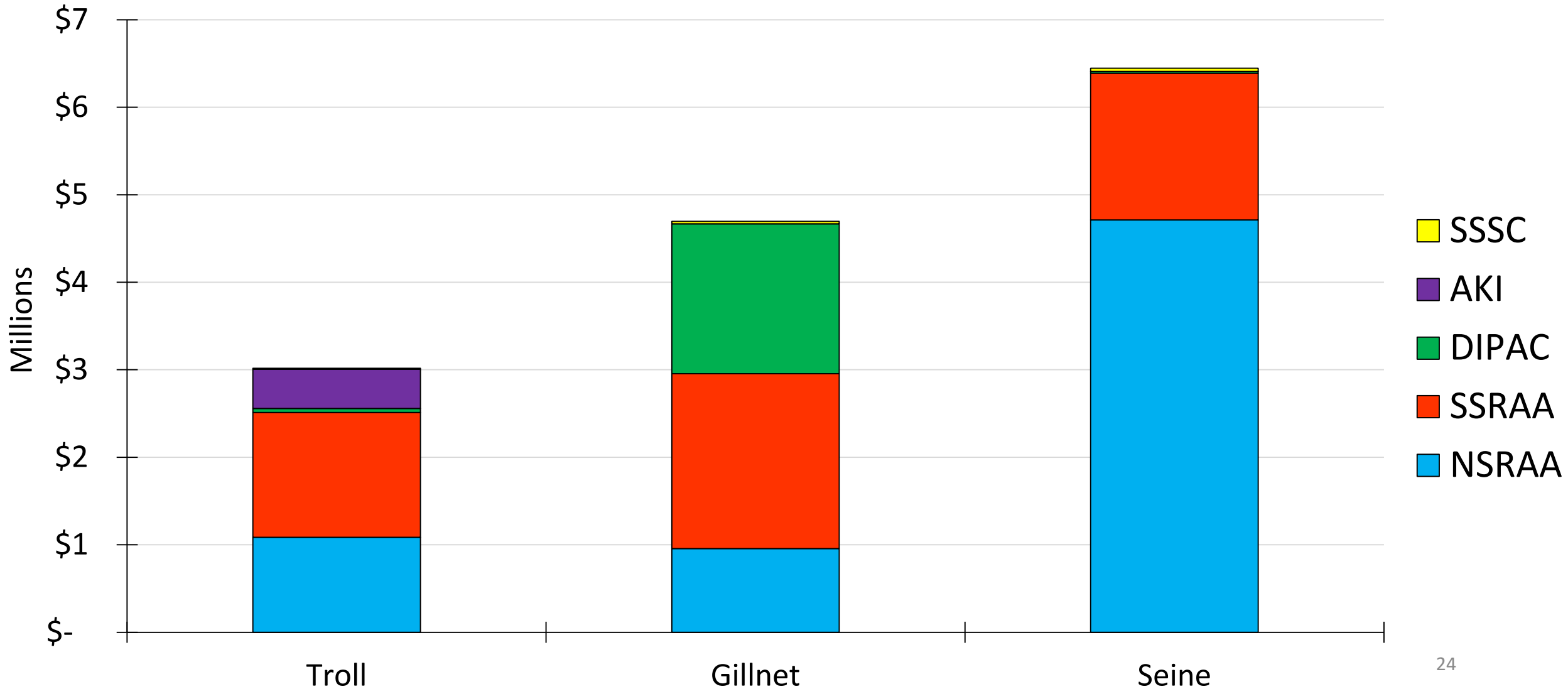


# 2020 Preliminary Enhancement Value by Gear



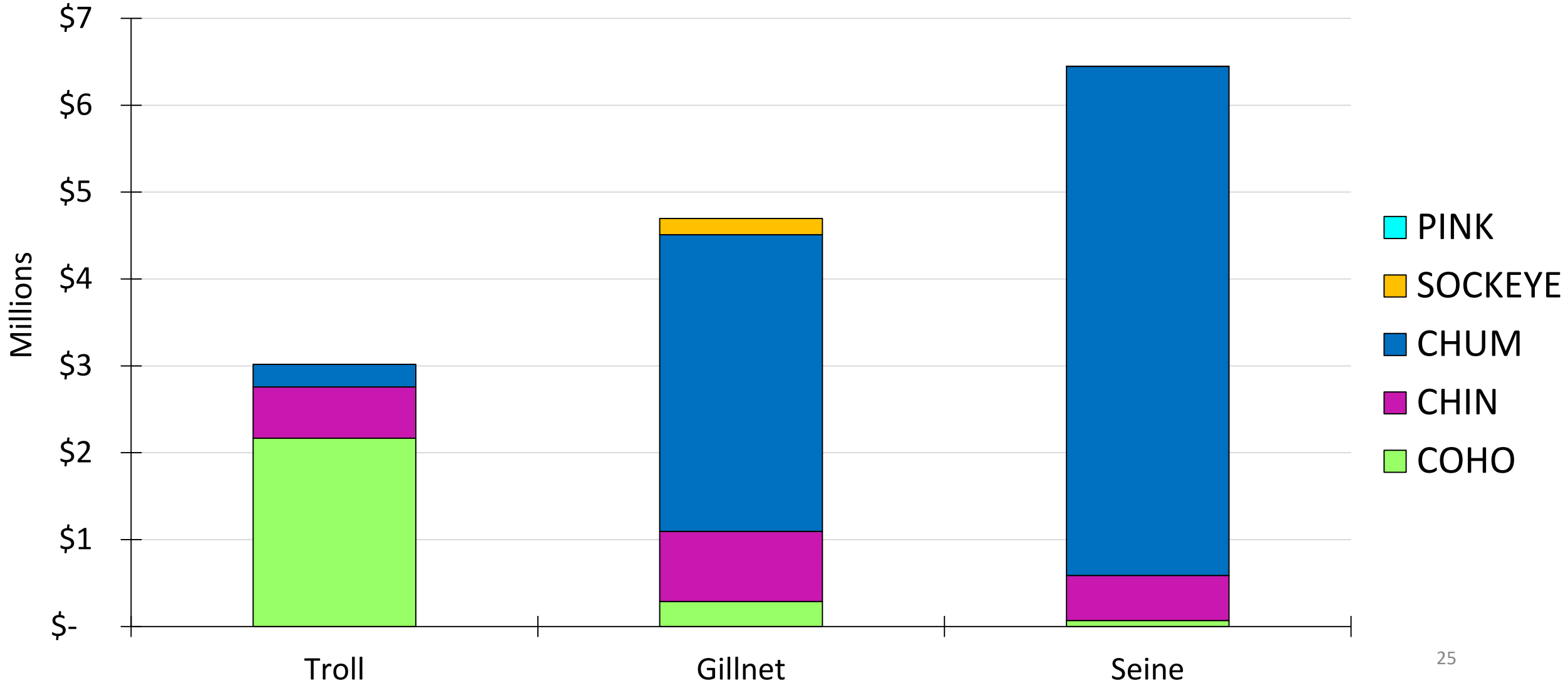


# 2020 Preliminary Enhancement Value Breakdown



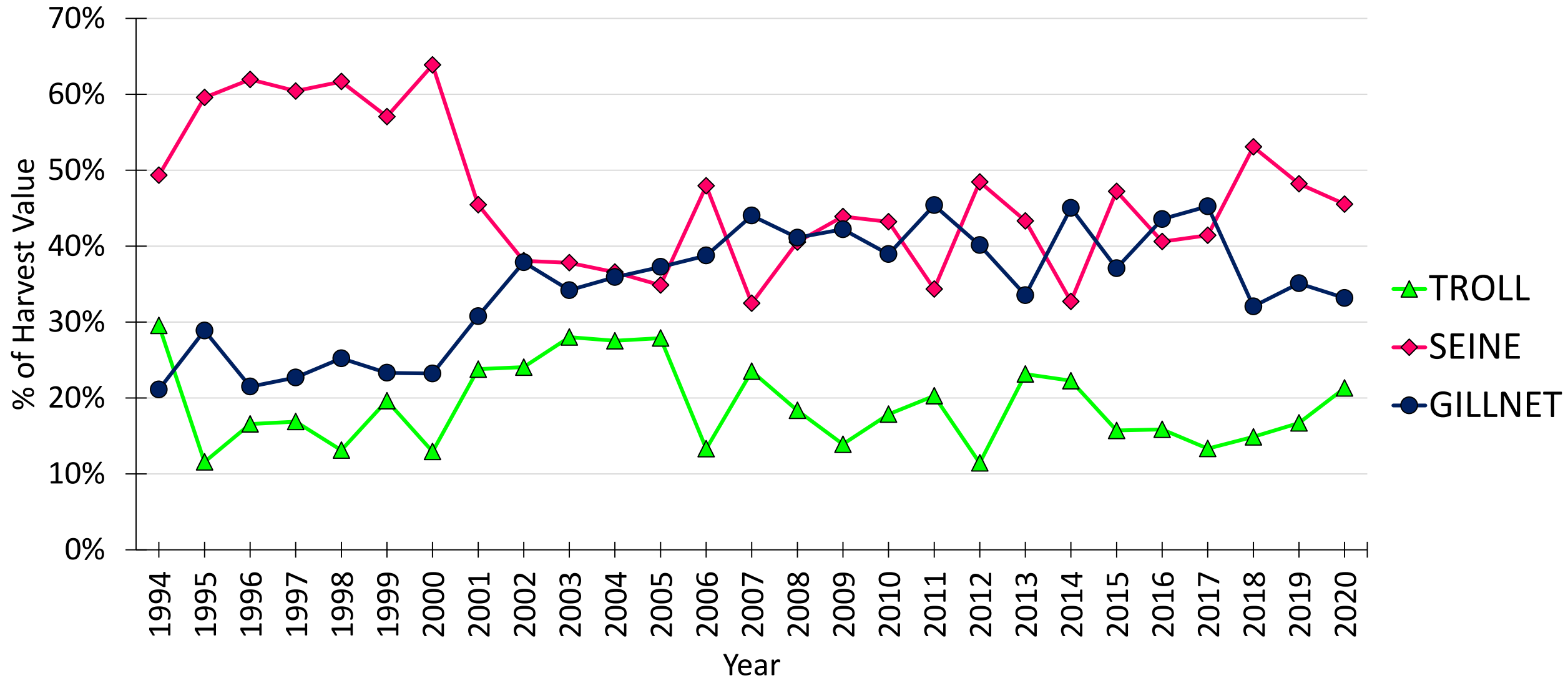


# 2020 Preliminary Enhancement Value Breakdown

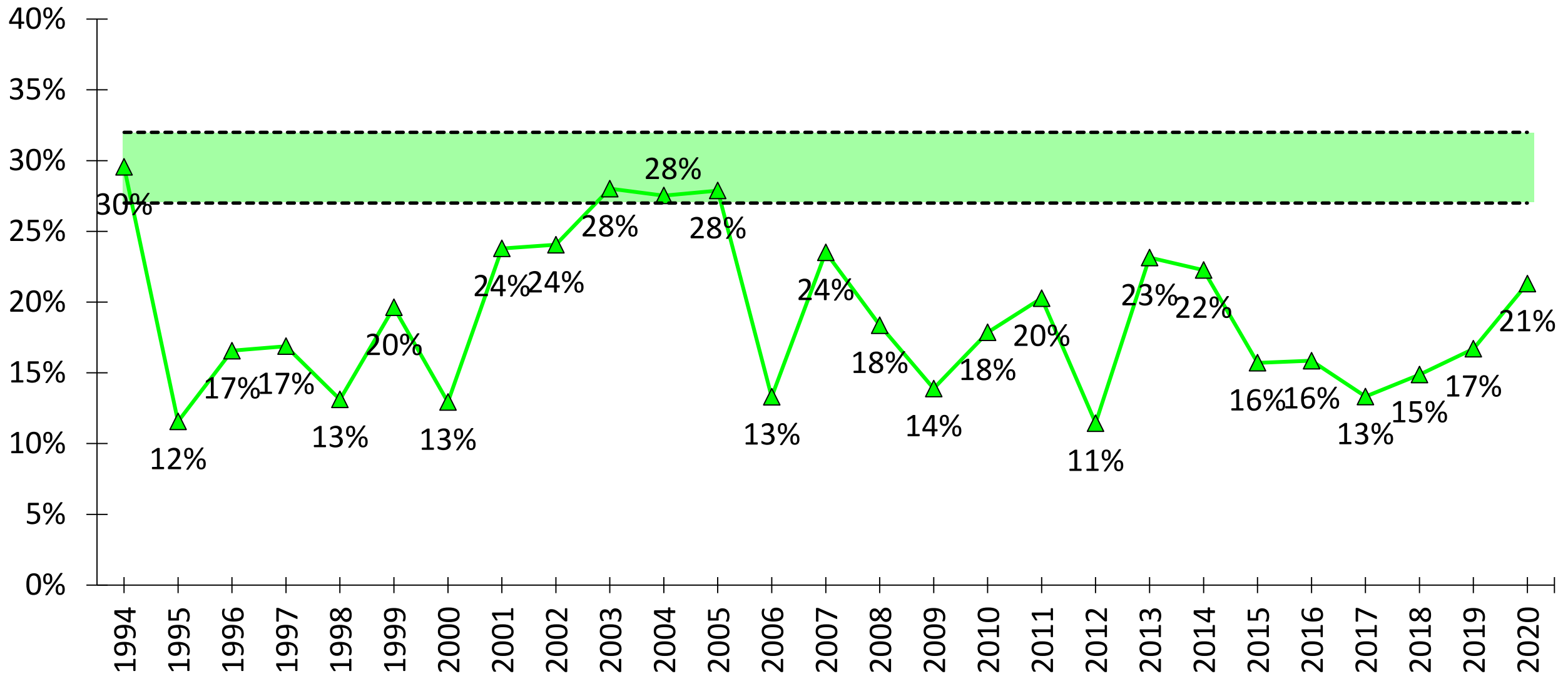




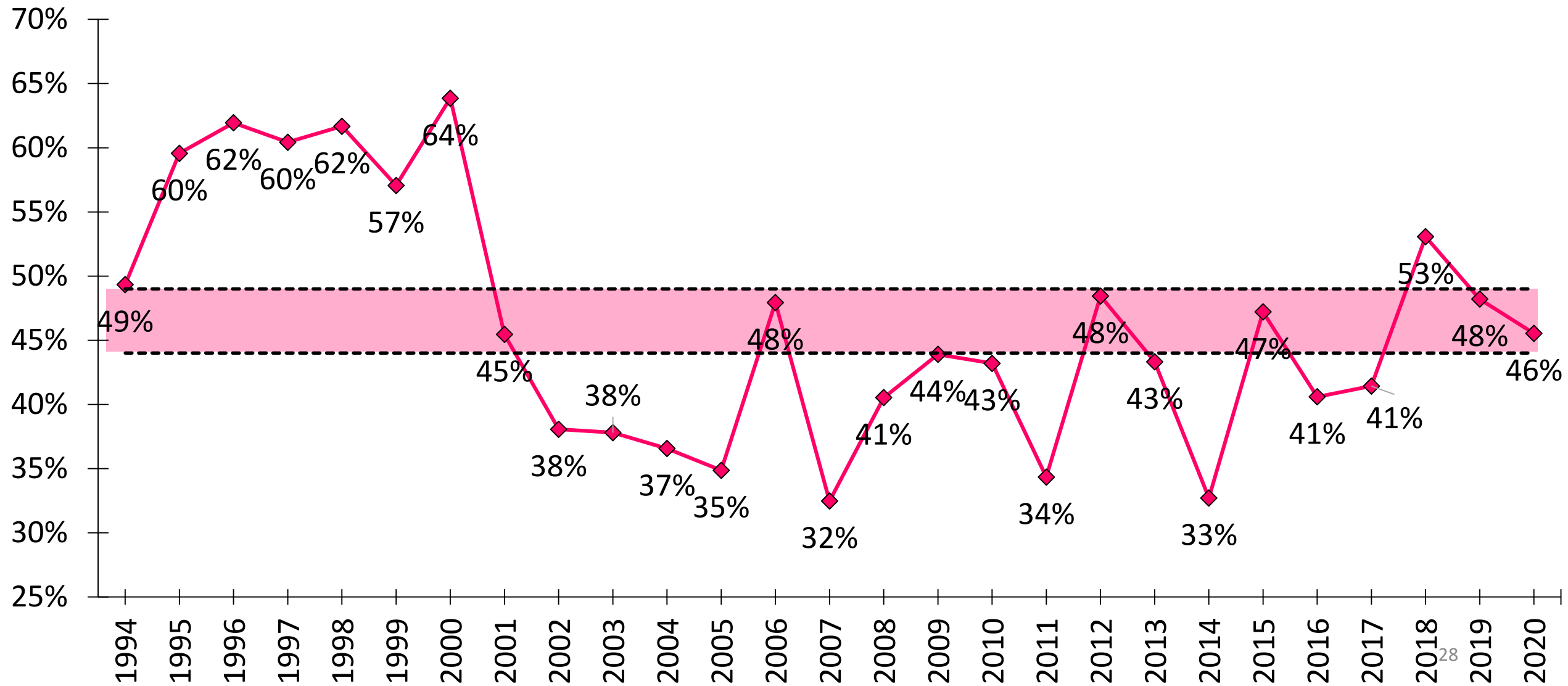
# Annual SE AK Enhanced Salmon Value



# Troll: Allocation Range 27-32%

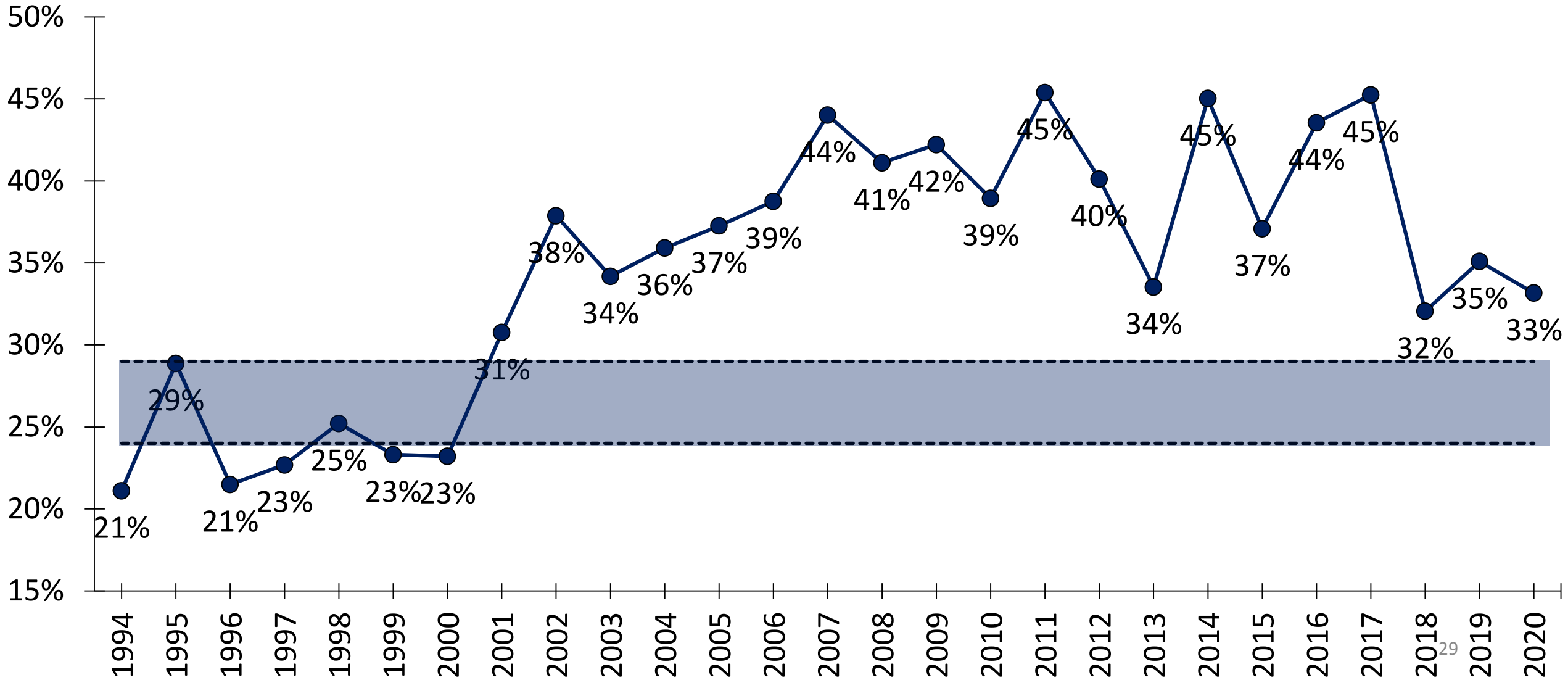


# Seine: Allocation Range 44-49%



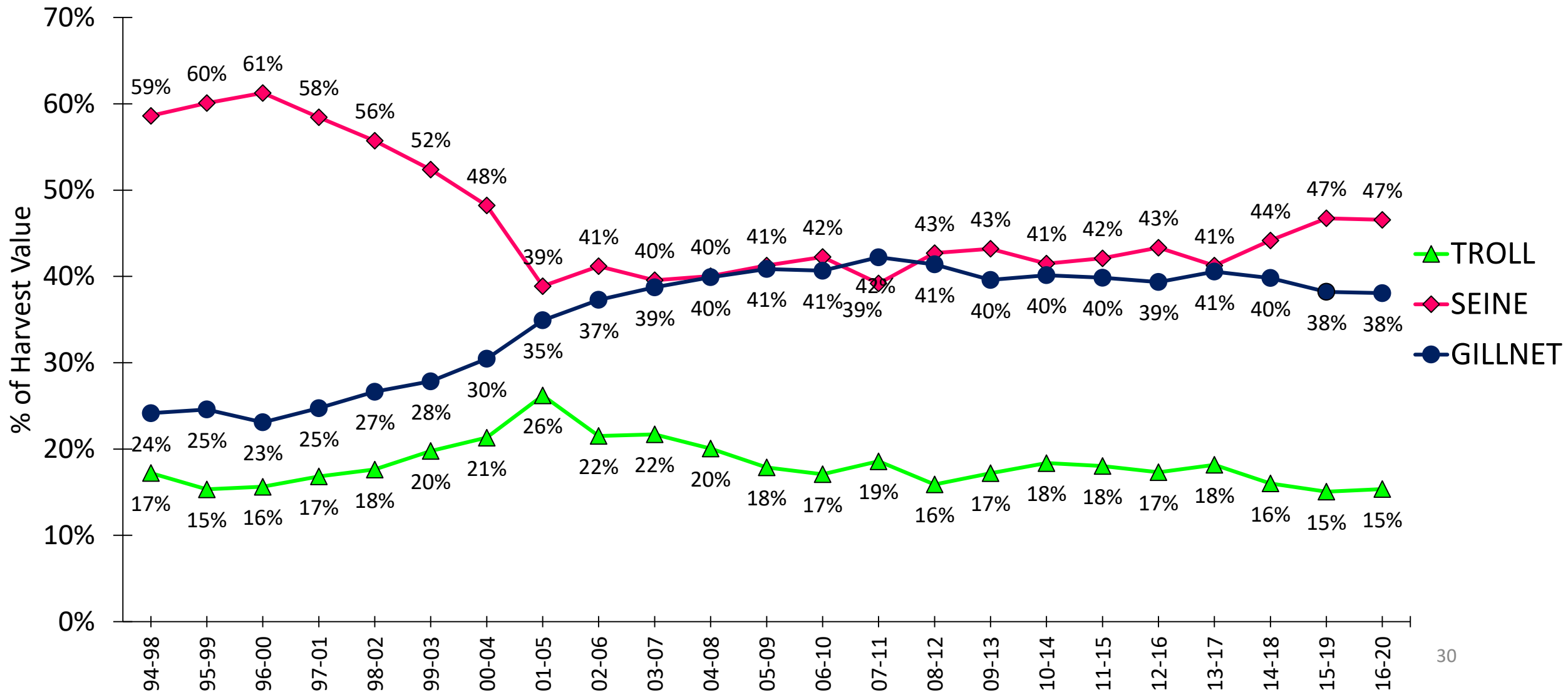


# Gillnet: Allocation Range 24-29%





# SE AK Enhanced Value, 5-Year Rolling Average



# 2021 Preliminary Forecast





# 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
<b>Total</b>	<b>900</b>	<b>17,100</b>	<b>24,400</b>	<b>1,400</b>	<b>14,300</b>	<b>29,500</b>	<b>43,800</b>		<b>35,300</b>



# Preliminary 2021 SSRAA Coho Forecast

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

# Preliminary 2021 SSRAA Chum Forecast

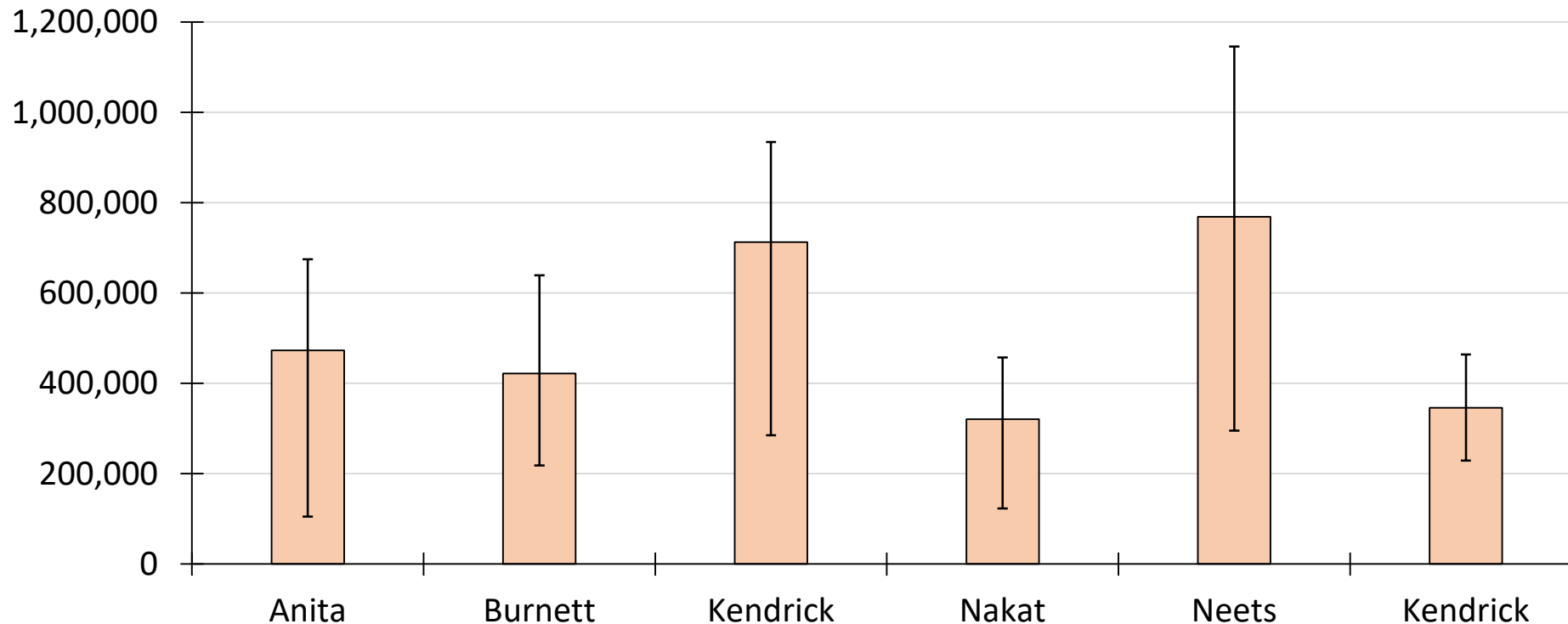


Species	Site	Age 3	Age 4	Age 5	Traditional	Terminal	Total
Summer Chum	Anita	116,000	349,000	8,000	311,000	162,000	473,000
	Burnett	115,000	300,000	7,000	189,900	232,100	422,000
	Kendrick	151,000	559,300	2,500	534,600	178,200	712,800
	Nakat	66,000	254,000	1,000	160,500	160,500	321,000
	Neets Bay	156,000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



# 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
	<b>Total</b>		<b>1,256,400</b>	<b>3,043,800</b>



Questions?

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