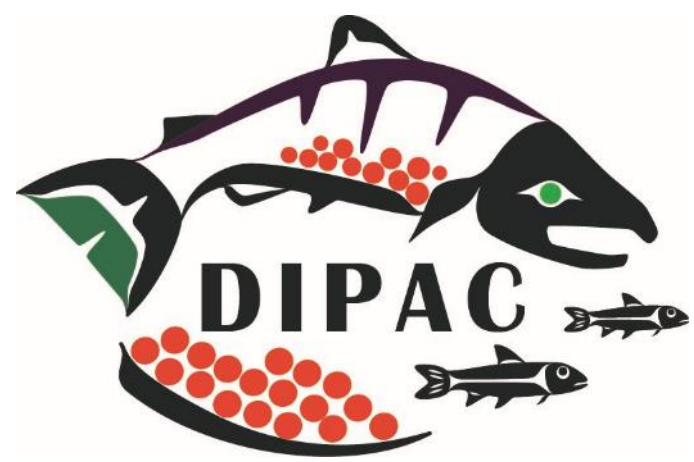




2021 Return & 2022 Forecast

Gillnet Taskforce Meeting December 1st, 2021 Juneau

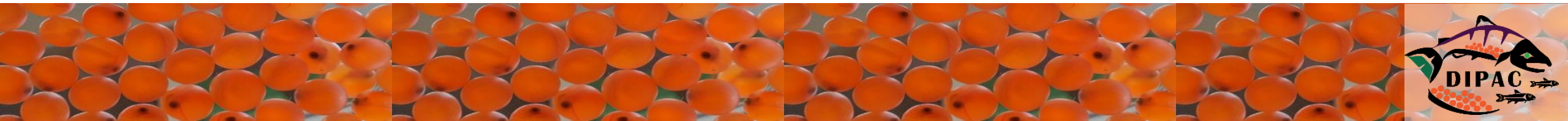
Adam Zaleski

Research Manager

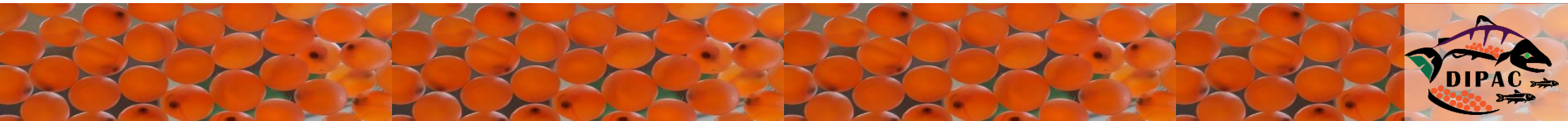
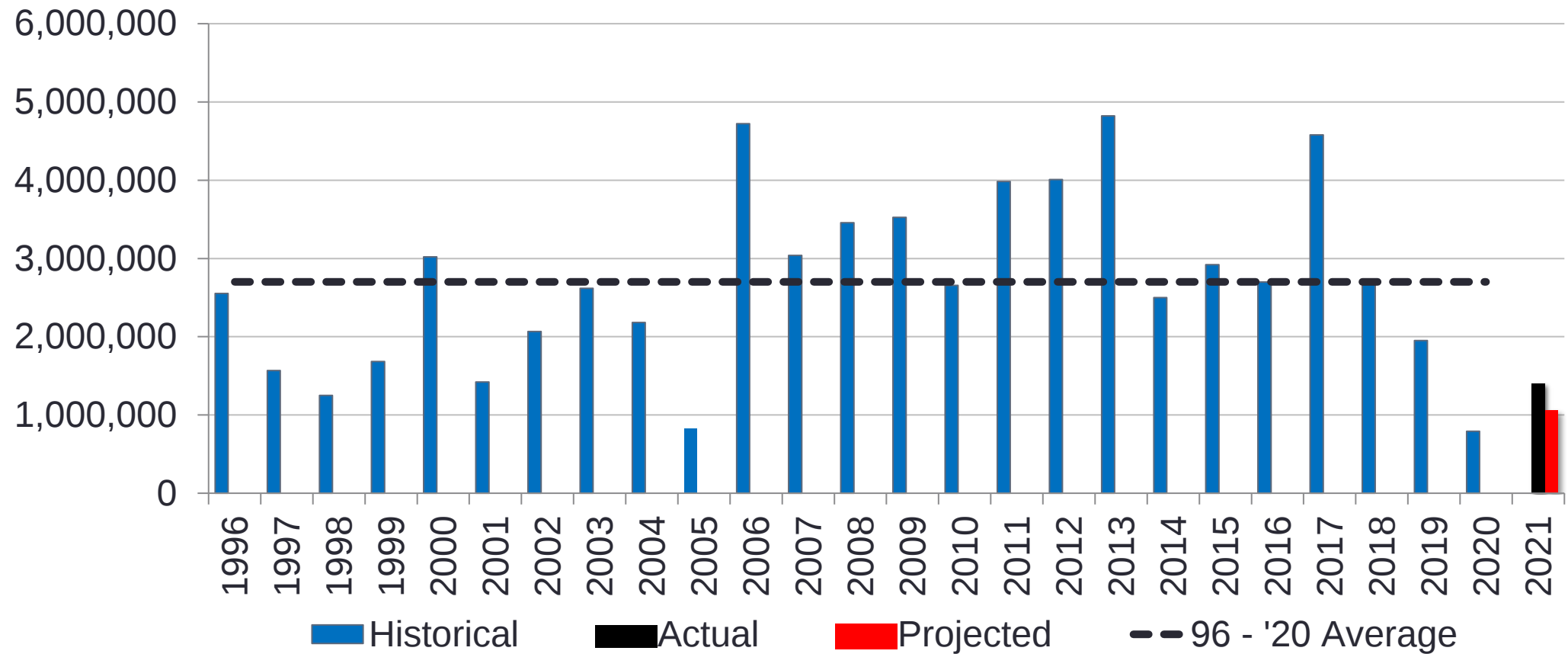


2021 Chum Return

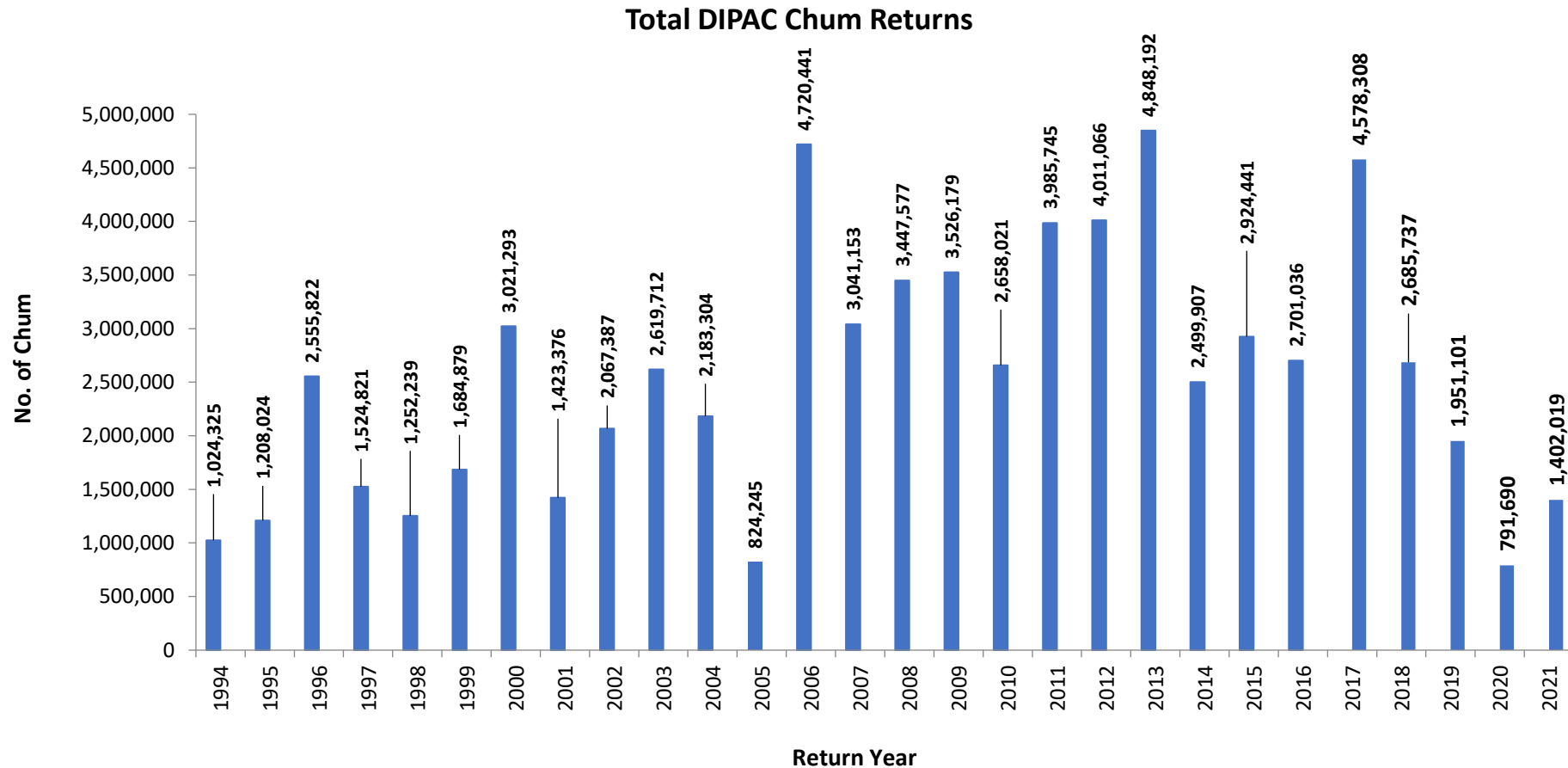
	Age-3	Age-4	Age-5	Age-6	Total
Actual:	53,200	1,266,000	82,200	440	1,402,000
Projected:	82,300	908,700	66,100	5,900	1,063,000
% of Projected:	65%	139%	124%	8%	132%



2021 Chum Return: Actual vs. Projected Harvest

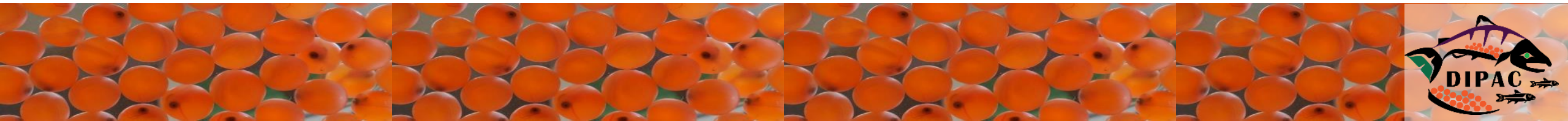
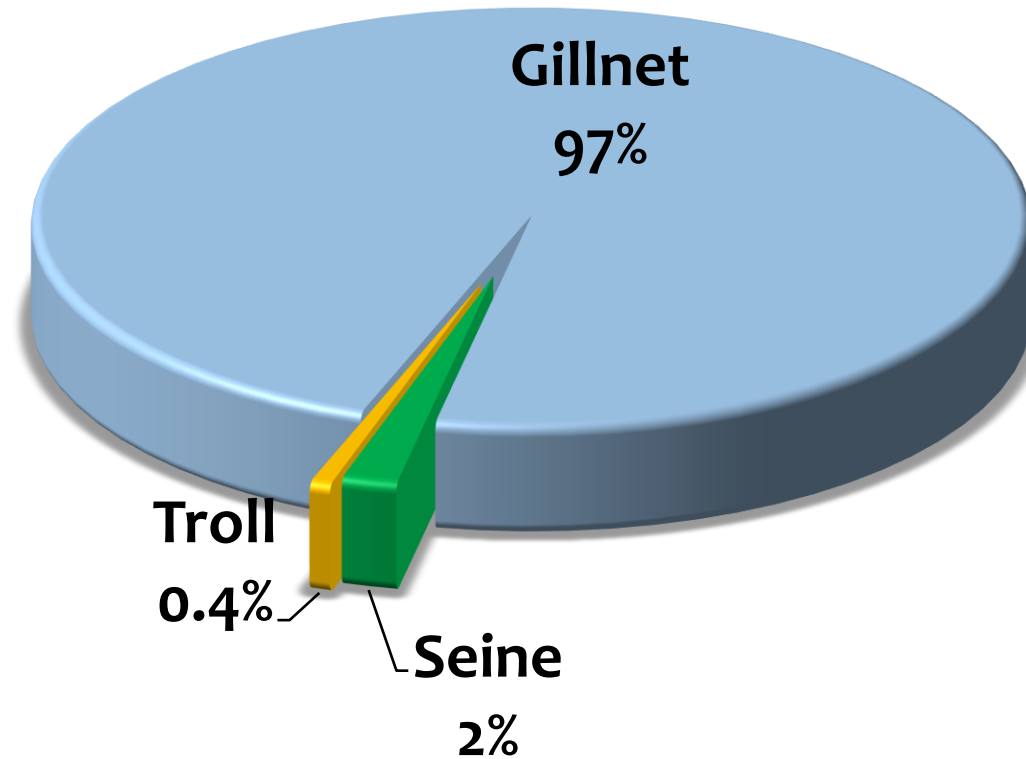


Historical Chum Returns



2021 Chum Contributions

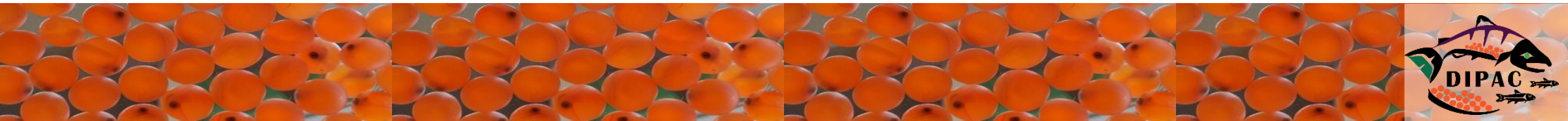
Gillnet, Seine, & Troll Harvest



2021 Chum Return:

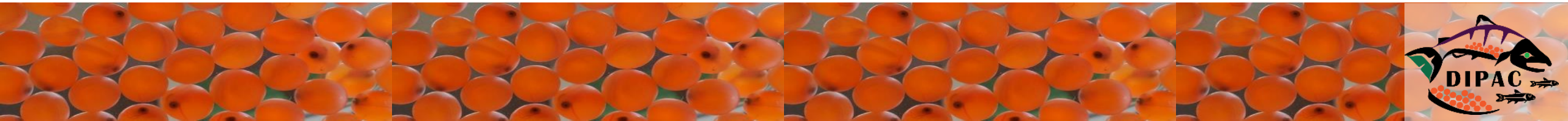
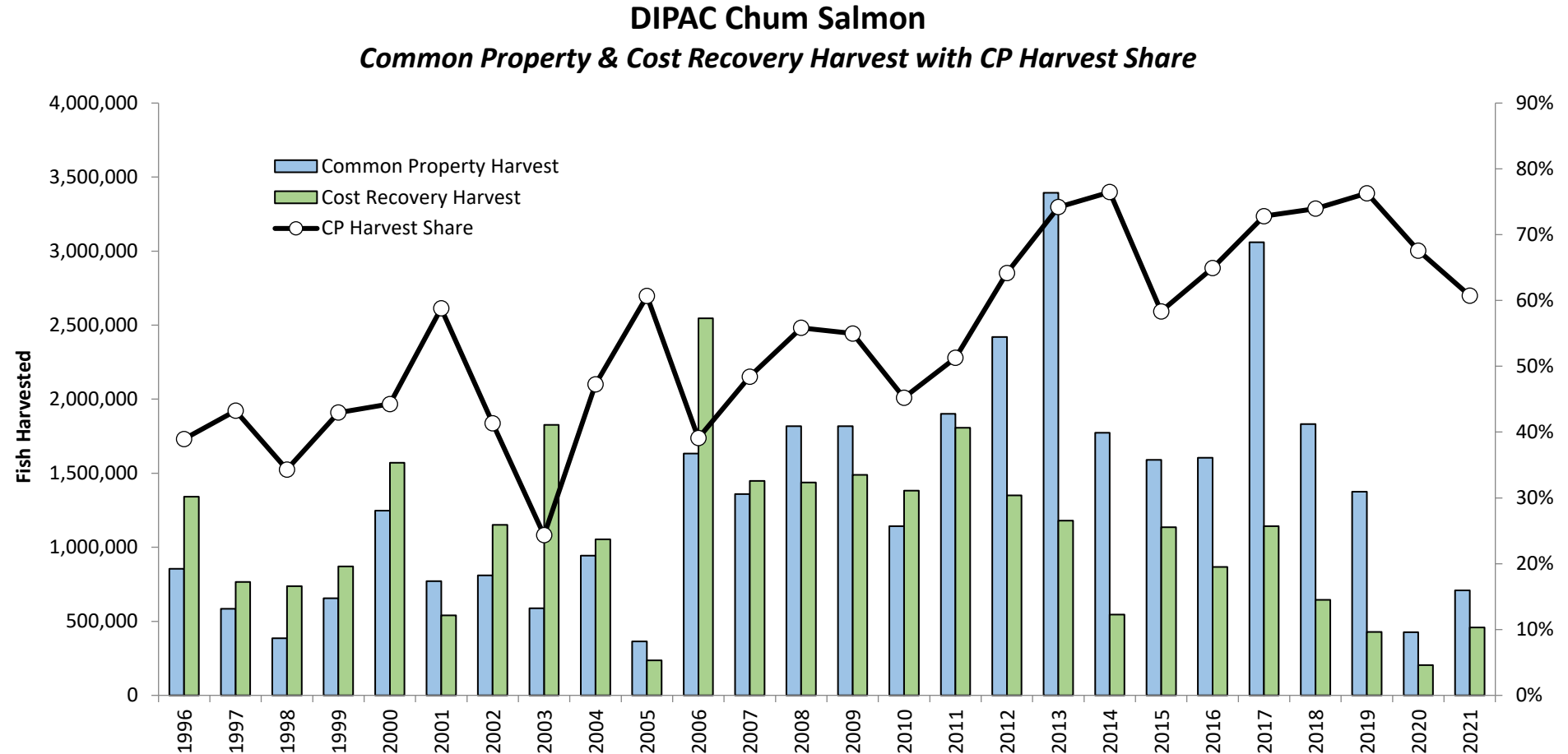
Contribution, Cost Recovery, & Harvest Shares

	Common Property Harvest	DIPAC Contrib.	% DIPAC Contrib.	Cost Recovery	Total Harvest
Lynn Canal GN	522,400	507,000	97%	458,100	965,000
Taku/Stephens GN	185,300	182,100	98%	40,300	222,400
Homeshore Troll	4,250	3,340	79%		3,340
Amalga CP-Seine	0	0	0%		0
Other Seine	25,400	10,800	43%		10,800
Misc. SEAK	4,000	4,000	100%		4,000
Sport		1,000			1,000
Broodstock & Esc.					195,400
Total	741,400	708,200	96%	498,400	1,402,000
Harvest Shares		59%		41%	

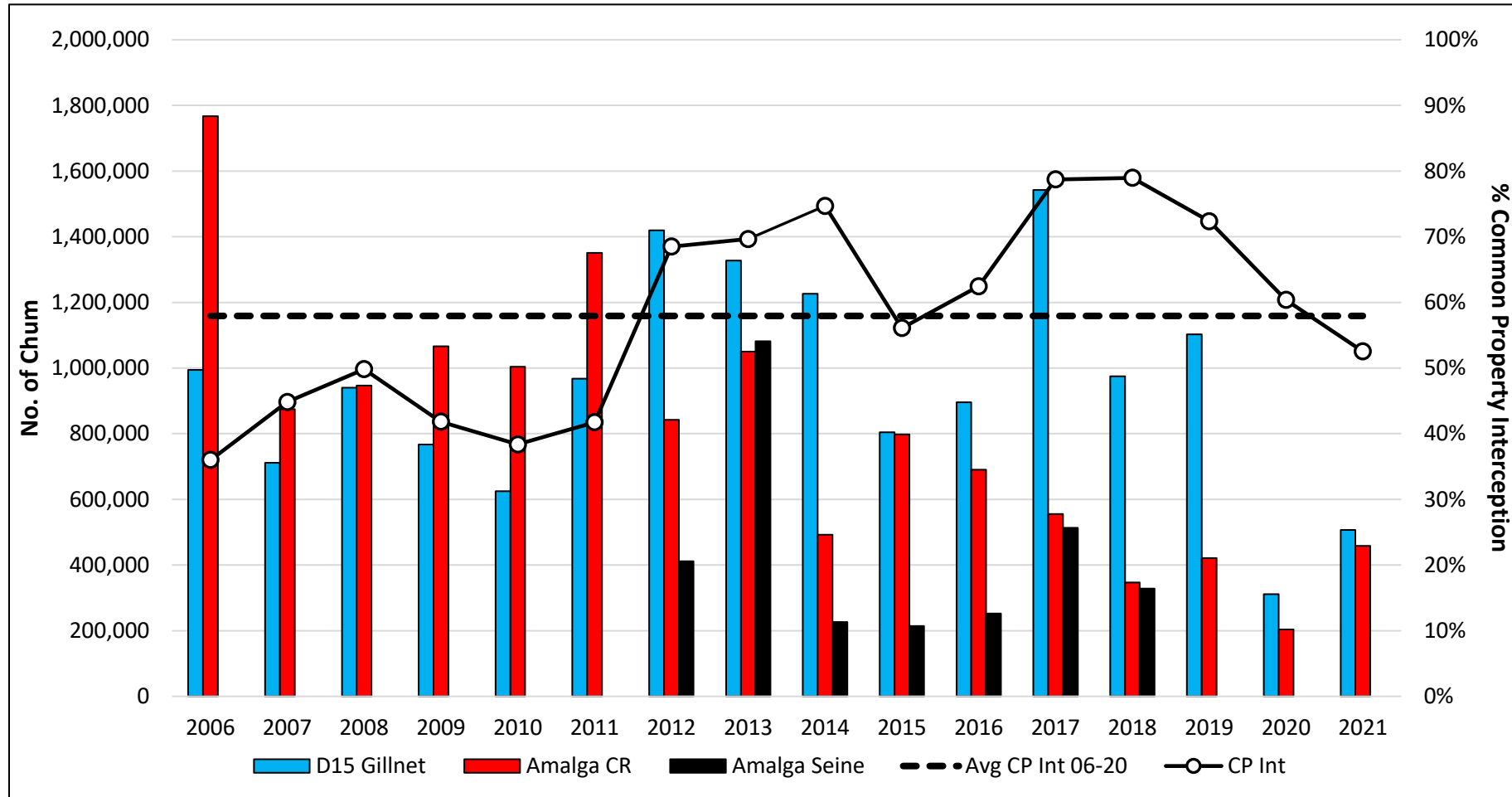


DIPAC Chum Harvest:

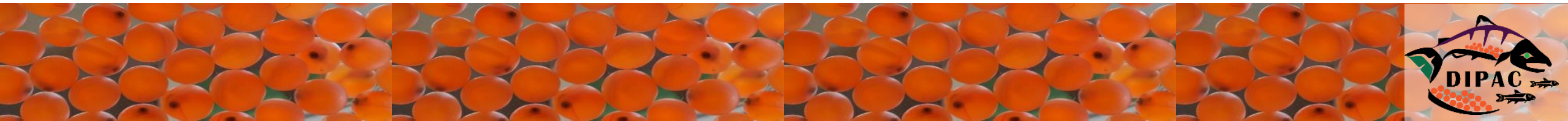
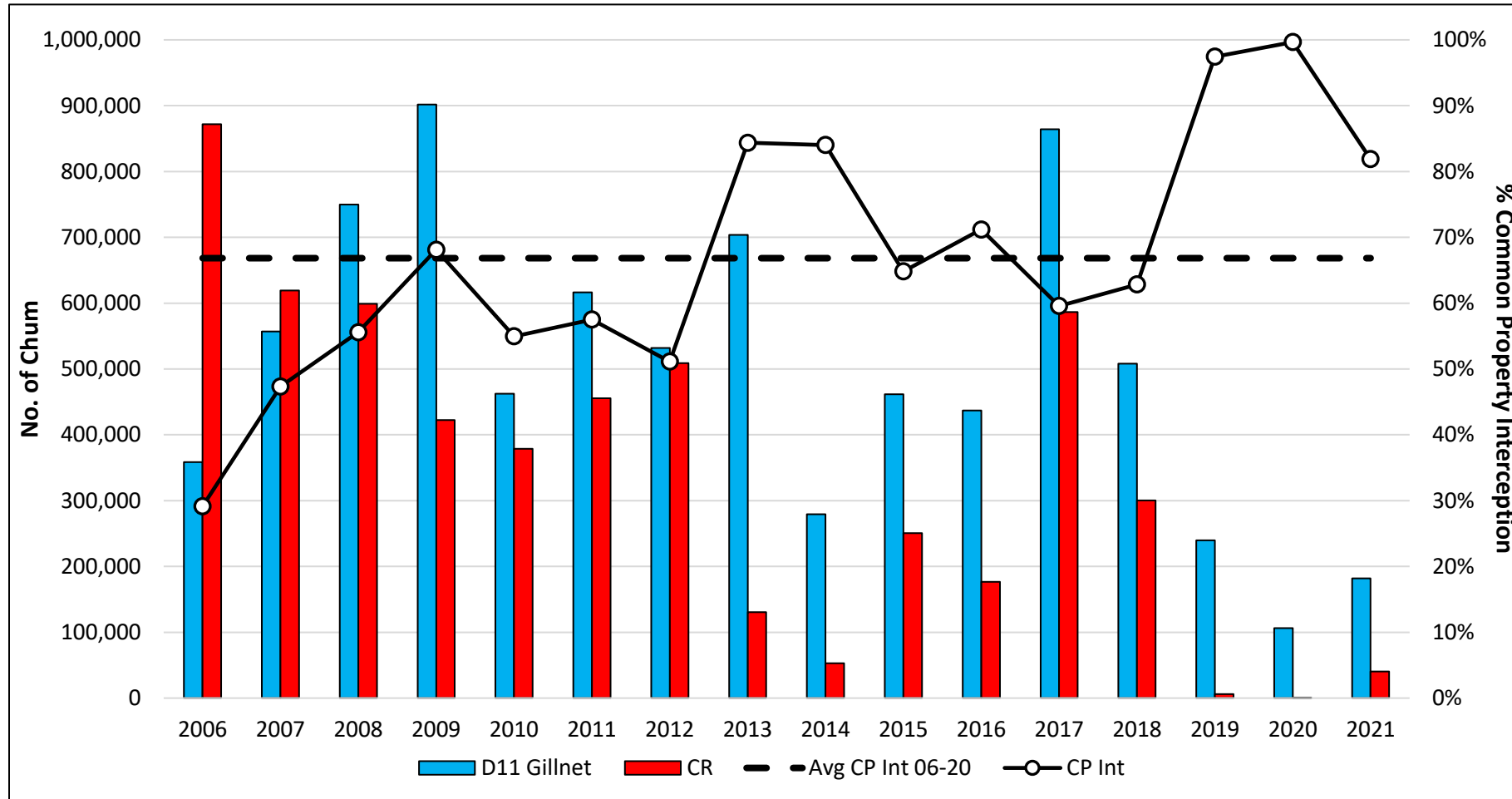
Cost Recovery, Common Property, & Harvest Shares



District 115 Chum Contribution: Gillnet & Amalga SHA Seine

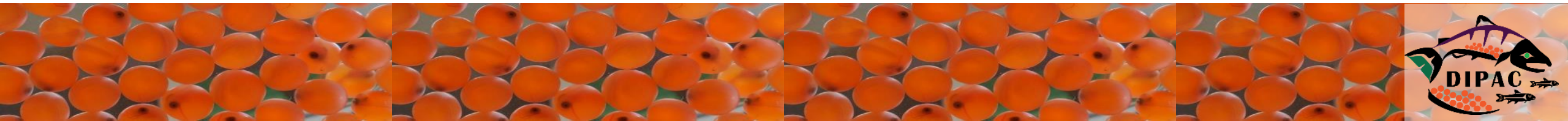


District 111 Chum Contribution: Gillnet & Cost Recovery



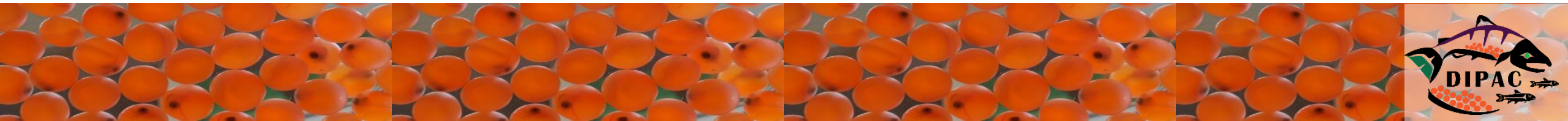
2021 Chum Return: Cost Recovery Summary

	Fish	Pounds
Amalga Harbor	458,100	2,899,000
Gastineau Channel	0	0
Macaulay Hatchery	40,300	216,500
	498,400	3,116,000



Chum Marine Survival

Broodyear	Age 3	Age 4	Age 5	Age 6	Total
2013	0.03%	2.75%	1.15%	0.03%	3.97%
2014	0.09%	0.94%	0.25%	0.01%	1.29%
2015	0.32%	1.65%	0.10%	0.00%	2.08%
2016	0.08%	0.52%	0.08%		0.68%
2017	0.17%	1.17%			1.34%
2018	0.05%				0.05%



Preliminary Alaska Chum Harvest

2021 Weekly Alaska Salmon Harvest Update #14

Harvest Through Statistical Week 37 (9/11/2021)

(Thousand Fish)

	Sockeye			Pink			Keta			Coho			Chinook		
	YTD 2020	YTD 2021	YoY	YTD 2019	YTD 2021	YoY	YTD 2020	YTD 2021	YoY	YTD 2020	YTD 2021	YoY	YTD 2020*	YTD 2021*	YoY
AYK	144	0	-100%	91	261	187%	200	99	-51%	54	6	-89%	7	0	-100%
Kodiak	1,490	3,187	114%	31,264	26,152	-16%	370	400	8%	430	283	-34%	9	7	-22%
Chignik	0	44	-	2,452	608	-75%	0	91	-	0	23	-	0	0	-
Alaska Peninsula	2,852	6,767	137%	21,148	11,517	-46%	969	1,707	76%	231	325	41%	23	11	-52%
Bristol Bay	39,793	40,348	1%	8	1	-88%	294	231	-21%	115	30	-74%	11	4	-64%
Cook Inlet	922	1,494	62%	2,131	1,858	-13%	44	86	95%	144	148	3%	3	1	-67%
Prince William Sound	946	1,294	37%	46,583	64,855	39%	1,423	2,573	81%	264	199	-25%	6	7	17%
Southeast	457	1,043	128%	21,111	45,371	115%	4,400	6,314	44%	698	1,166	67%	198	188	-5%
Statewide	46,601	54,184	16%	124,788	150,601	21%	7,705	11,510	49%	2,263	2,186	-3%	259	225	-13%

Note: Data is subject to revision. Regional totals may not sum to statewide total. *Chinook figures exclude harvest before week 20.

Source: Alaska Department of Fish & Game.

2021 Harvest v. Projection

(Thousand Fish)

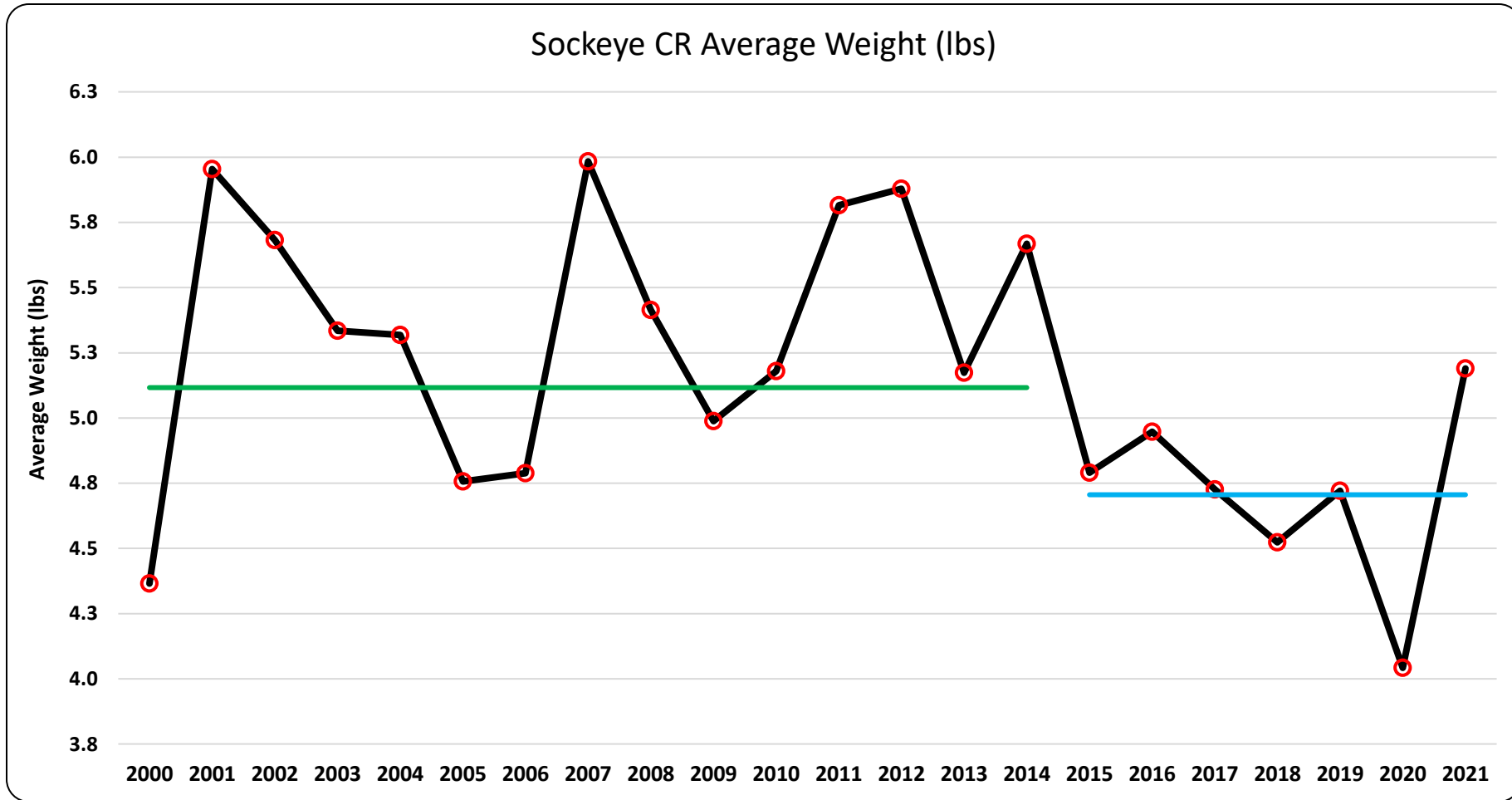
	Harvest	Projection	% Realized
Sockeye	54,184	46,577	116%
Pink	150,601	124,210	121%
Keta	11,510	15,272	75%
Coho	2,186	3,807	57%
Chinook	225	269	84%
Total	218,706	190,135	115%



Sockeye

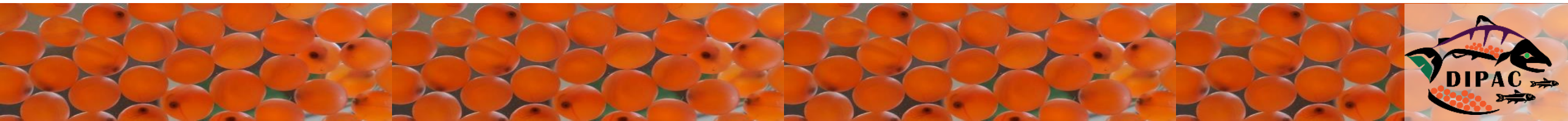


Sockeye Average Weights



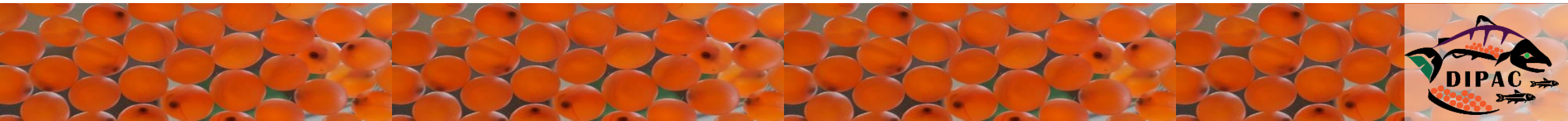
2021 Sockeye Return: Totals by Age

	Age-4	Age-5	Total
Actual:	13,100	31,100	44,200
Projected:	7,800	98,300	106,100
% of Projected:	168%	60%	42%



2021 Sockeye Return

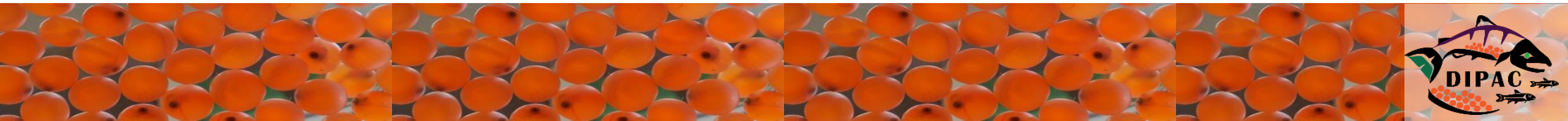
	Common Property	Cost Recovery	Broodstock ¹	Total
Actual:	25,500	11,600	7,000	44,200
Projected:	69,500	29,800	6,800	106,100
% of Projected:	37%	39%	100%	42%
1) Includes end-of-season unmarketable fish.				



2021 Sockeye Return:

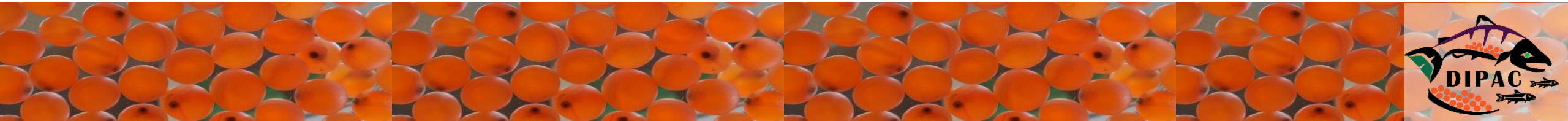
Contribution, Cost Recovery, & Harvest Shares

	CP Harvest	DIPAC Contribution	% DIPAC Contribution	Cost Recovery	Total Harvest
District 11 Gillnet	47,700	8,800	18%	11,600	20,400
Other Gillnet	91,700	7,600	8%	0	7,600
Seine	26,700	5,100	19%	0	5,100
Personal Use	4,000	4,000	100%	0	4,000
Broodstock					7,000
Total	170,100	25,500		11,600	44,200
Harvest Shares		69%		31%	

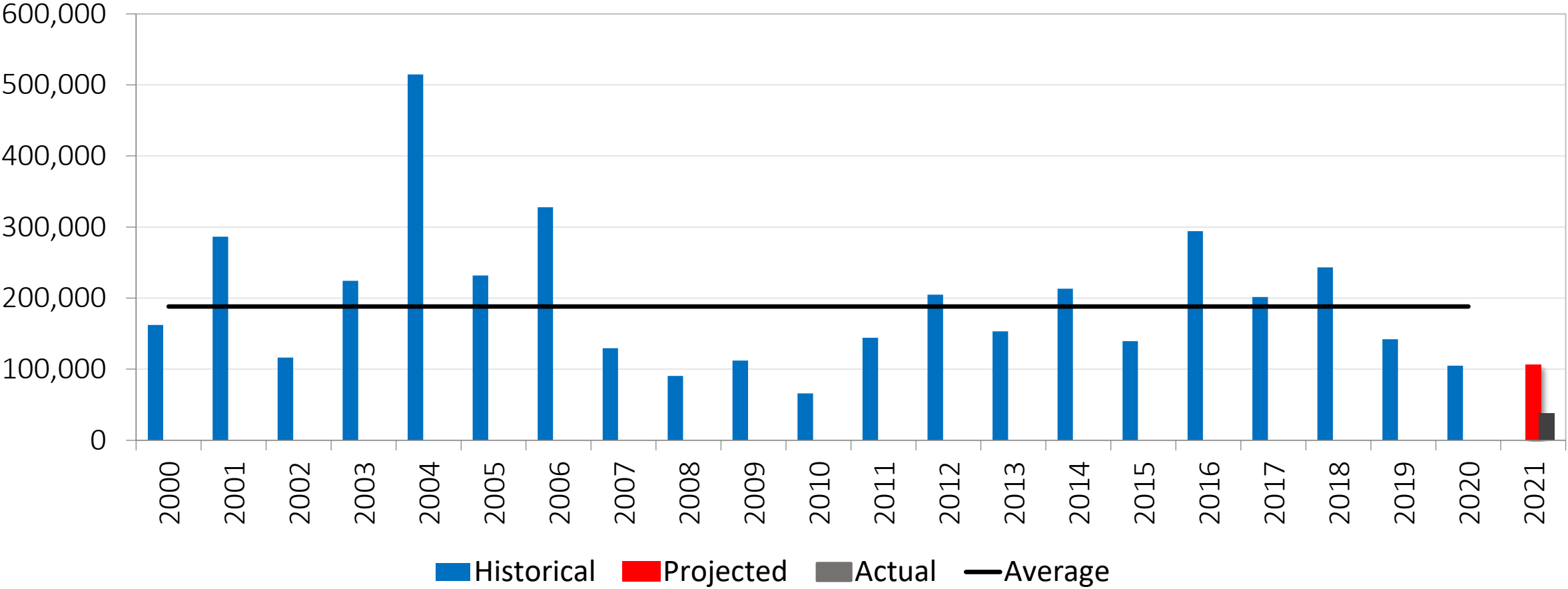


Sockeye Marine Survival

Broodyear	Age 3	Age 4	Age 5	Total
2013	0.13%	1.07%	0.29%	1.5%
2014	0.23%	2.60%	0.76%	3.6%
2015	0.00%	0.75%	0.26%	1.0%
2016	0.20%	0.93%	0.33%	1.5%
2017	0.11%	1.26%		1.4%
2018	0.01%			0.01%



2020 Sockeye Return: Actual vs. Projected Return

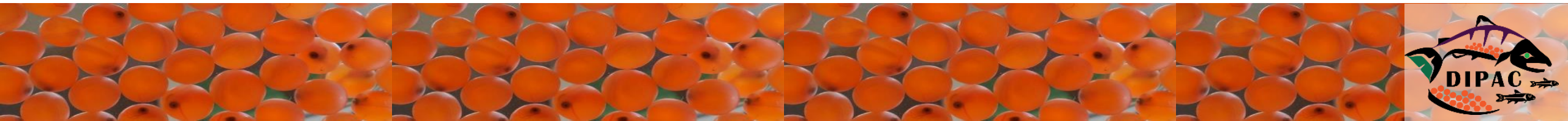


Coho

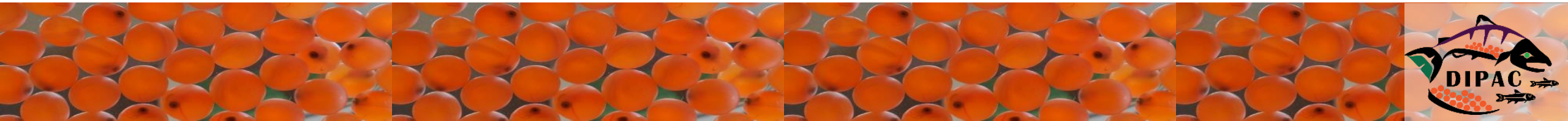
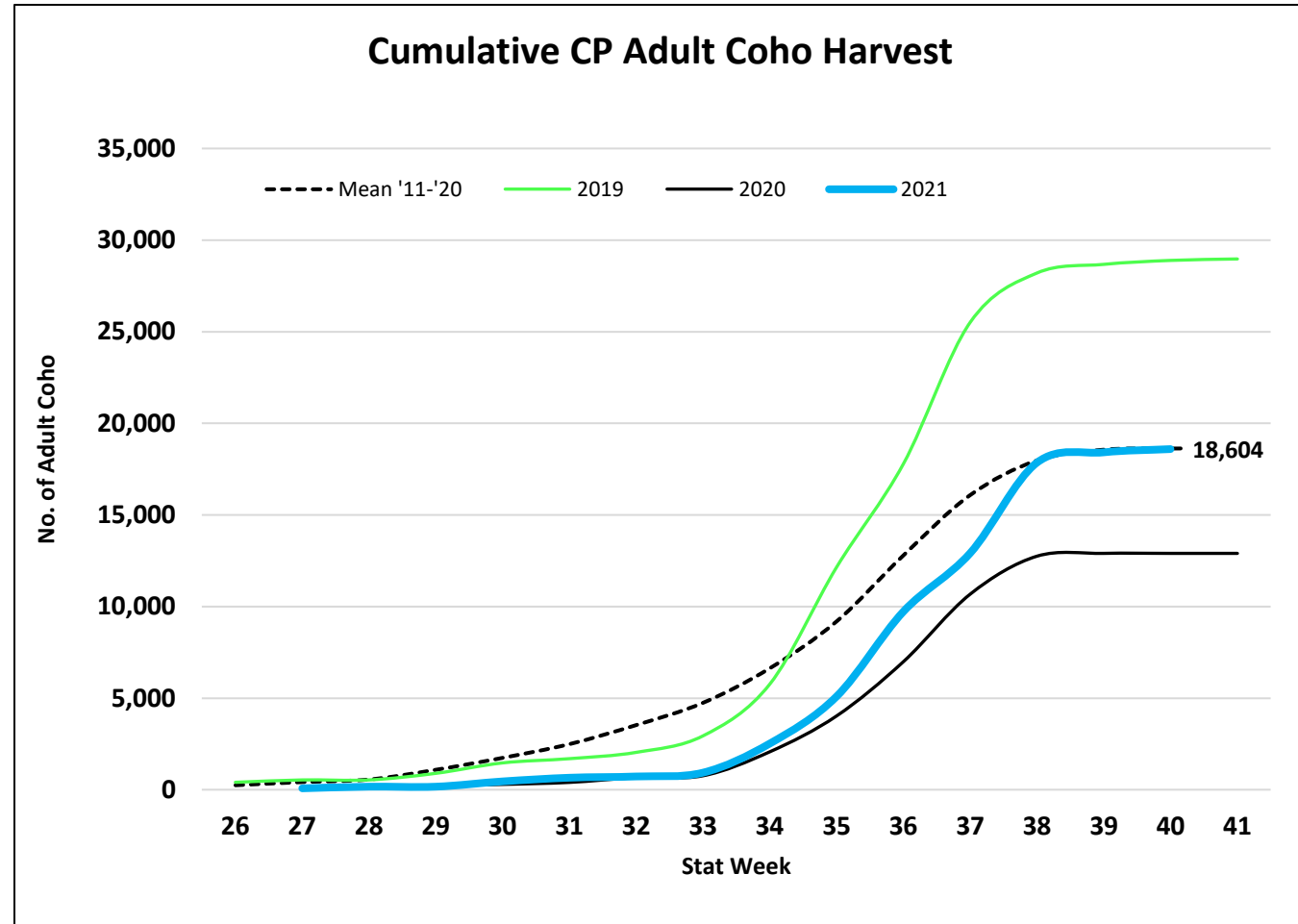


Coho Returns

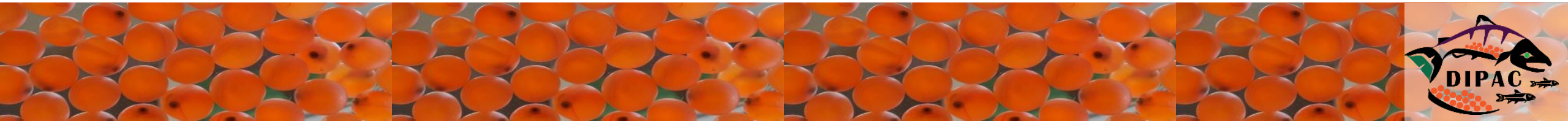
Troll	Gillnet & Seine	Marine Sport	Gastineau Shoreline	Cost Recovery	Brood & Donations	Total	% Marine Survival
5,500	11,800	1,300	8,000	15,100	1,100	42,800	4.3%
					2021 Forecast	44,000	4.4%
					% of Forecast	97%	



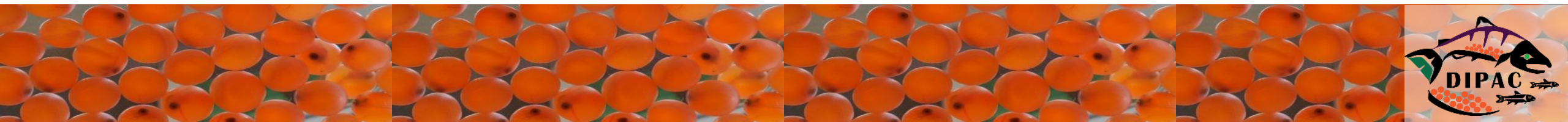
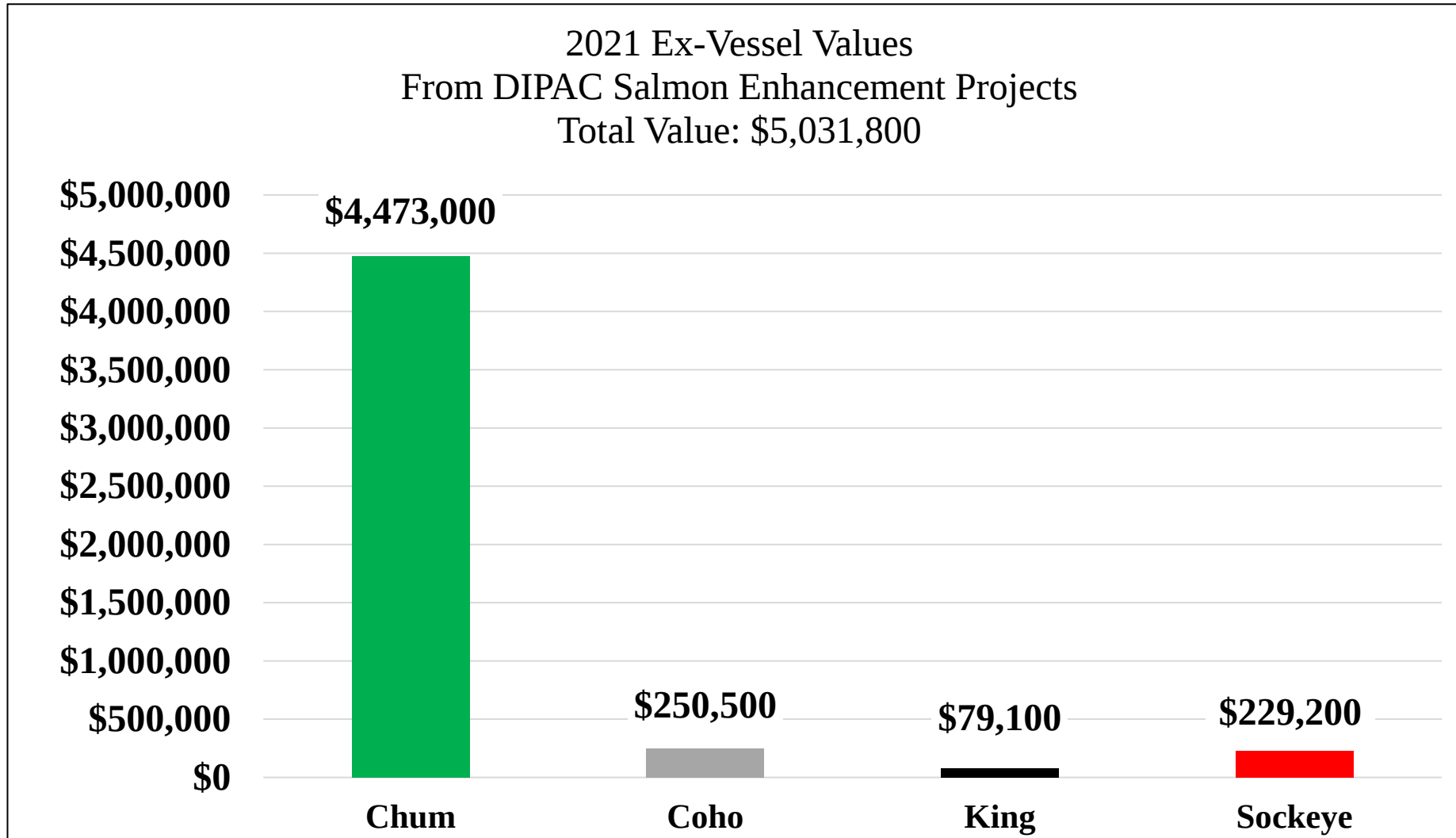
Coho Returns



Estimated Value (\$) Contributions

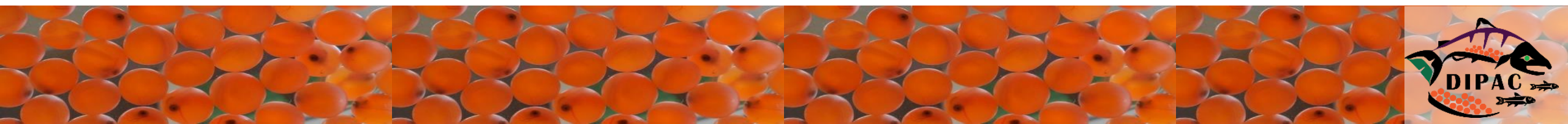
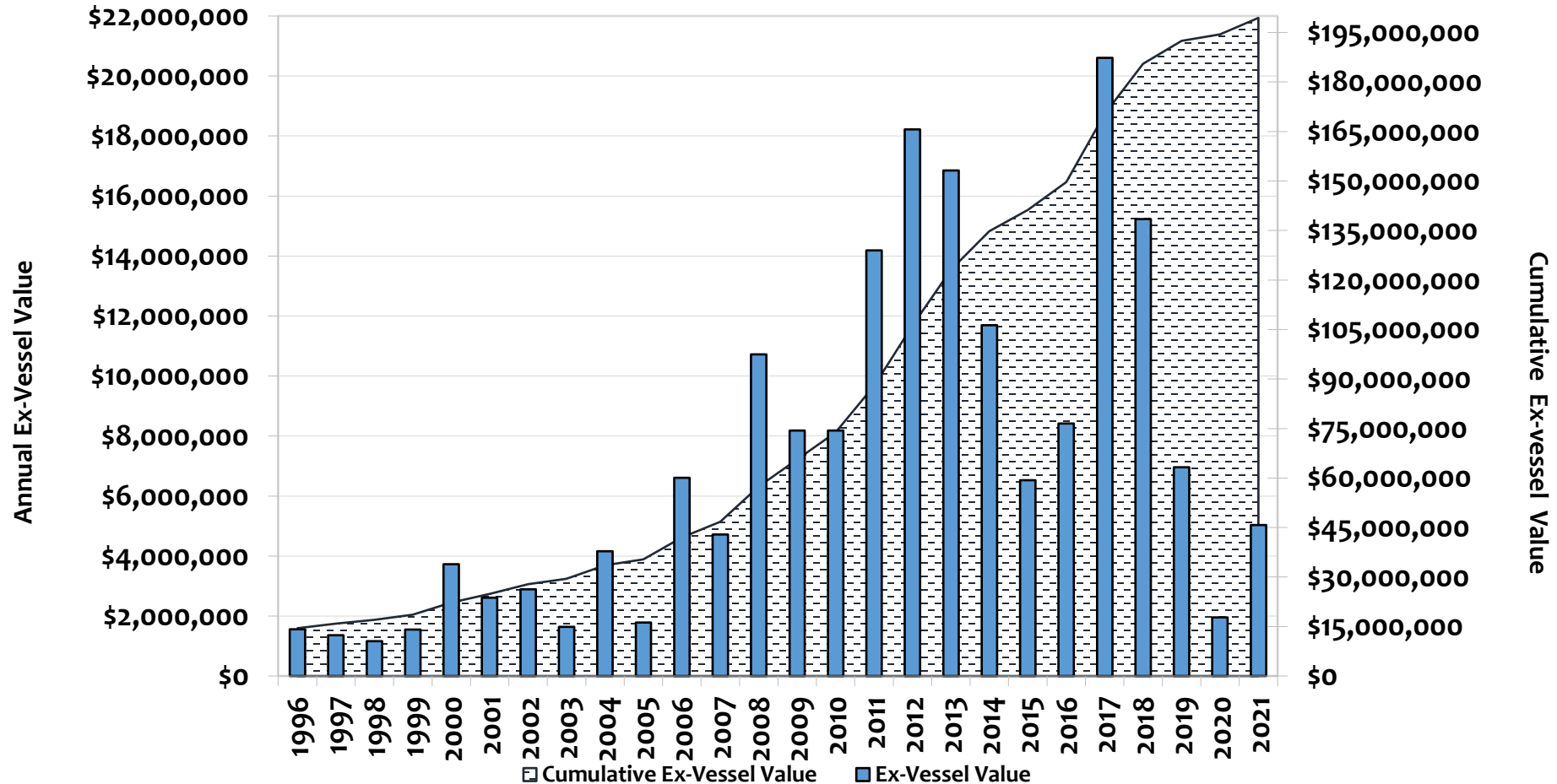


2021 Contributions

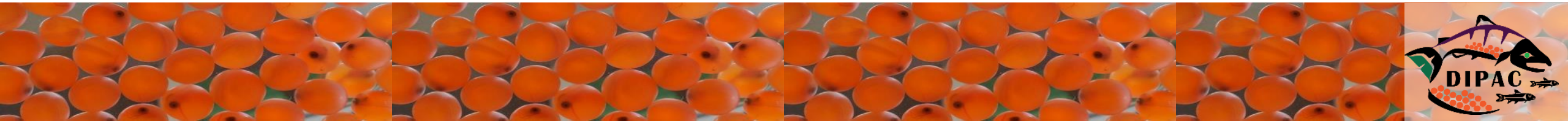


DIPAC Salmon Contributions

Cumulative Ex-Vessel Value: \$199,472,200

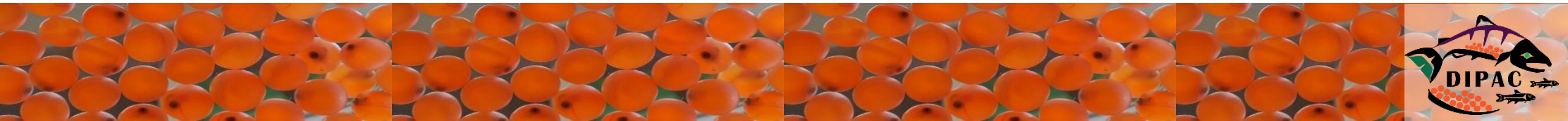


2022 Forecast



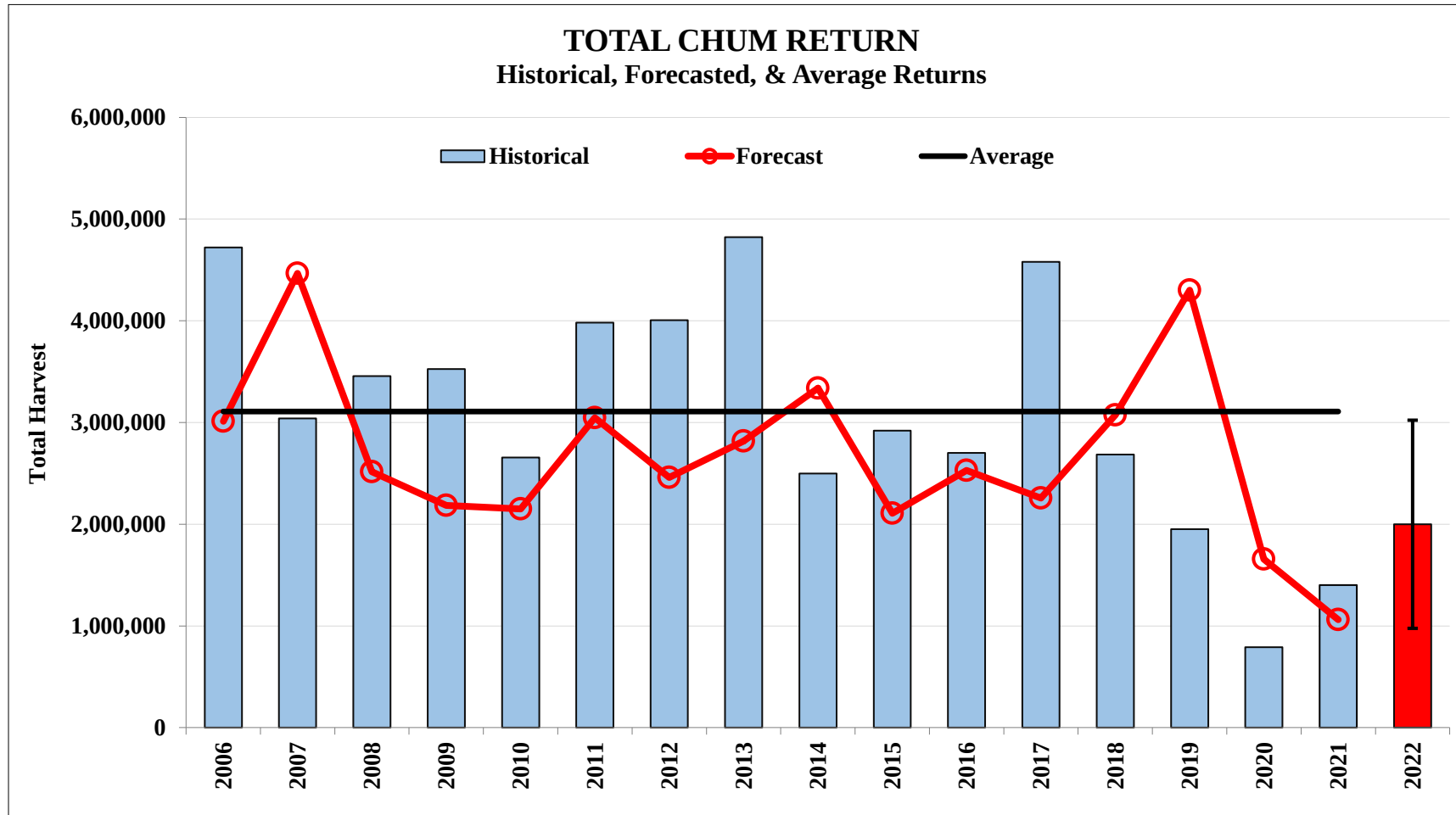
2022 Preliminary Chum Forecast

	Low End	Mid Point	High End	Common Property	Cost Recovery	Brood
Taku/Stephens	220,700	524,000	827,400	274,300	59,800	190,000
Lynn Canal/ Amalga	755,100	1,475,000	2,195,000	992,300	483,000	
Total	975,800	1,999,000	3,023,000	1,267,000	542,800	



2022 Chum Forecast

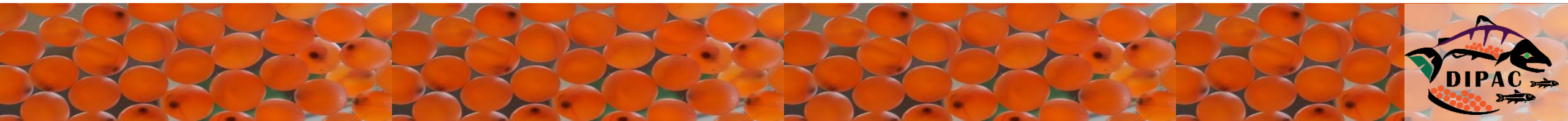
Historical & Projected Returns



2022 Sockeye Forecast

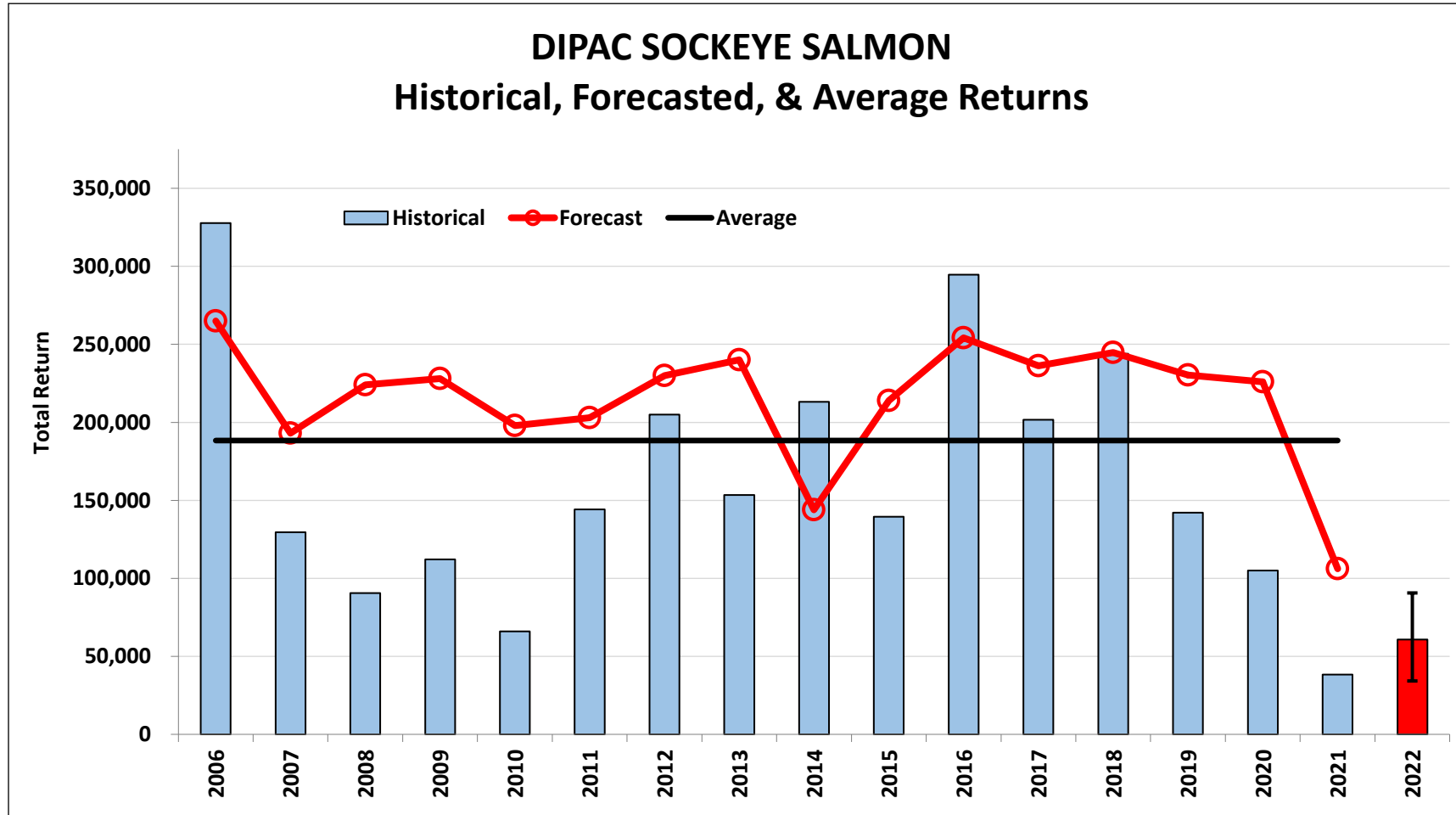
	Low End	Mid Point	High End
Age 5	0	13,000	29,000
Age 4	34,200	48,000	60,700
Total	34,200	60,100	90,600

Harvest Share Goal		Average Harvest Shares	
70% CP:	38,000	51% CP:	27,100
30% CR:	16,100	49% CR:	27,000
Broodstock:	6,800	Broodstock:	6,800



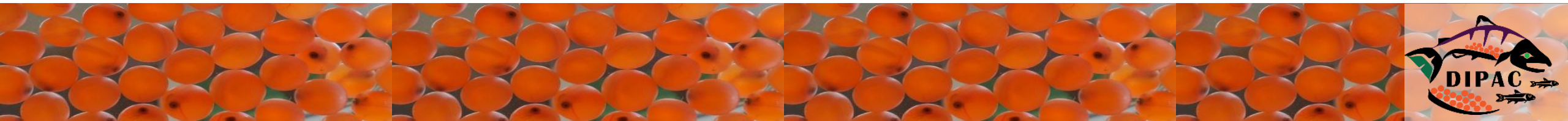
2022 Sockeye Forecast

Historical & Projected Returns



2022 Chinook & Coho Forecast

	Number Returning	Marine Survival
Chinook (large adults, ages 5-7)	3,900	0.2%
Coho	11,800	3.9%





Thank You.