

# Southeast AK Gillnet Task Force Meeting

## November 27, 2018

### Petersburg, AK

Adam Zaleski

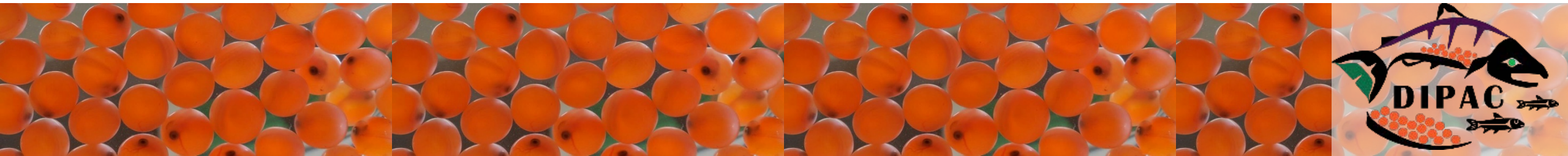
Data & Evaluation Supervisor

Douglas Island Pink and Chum, Inc.

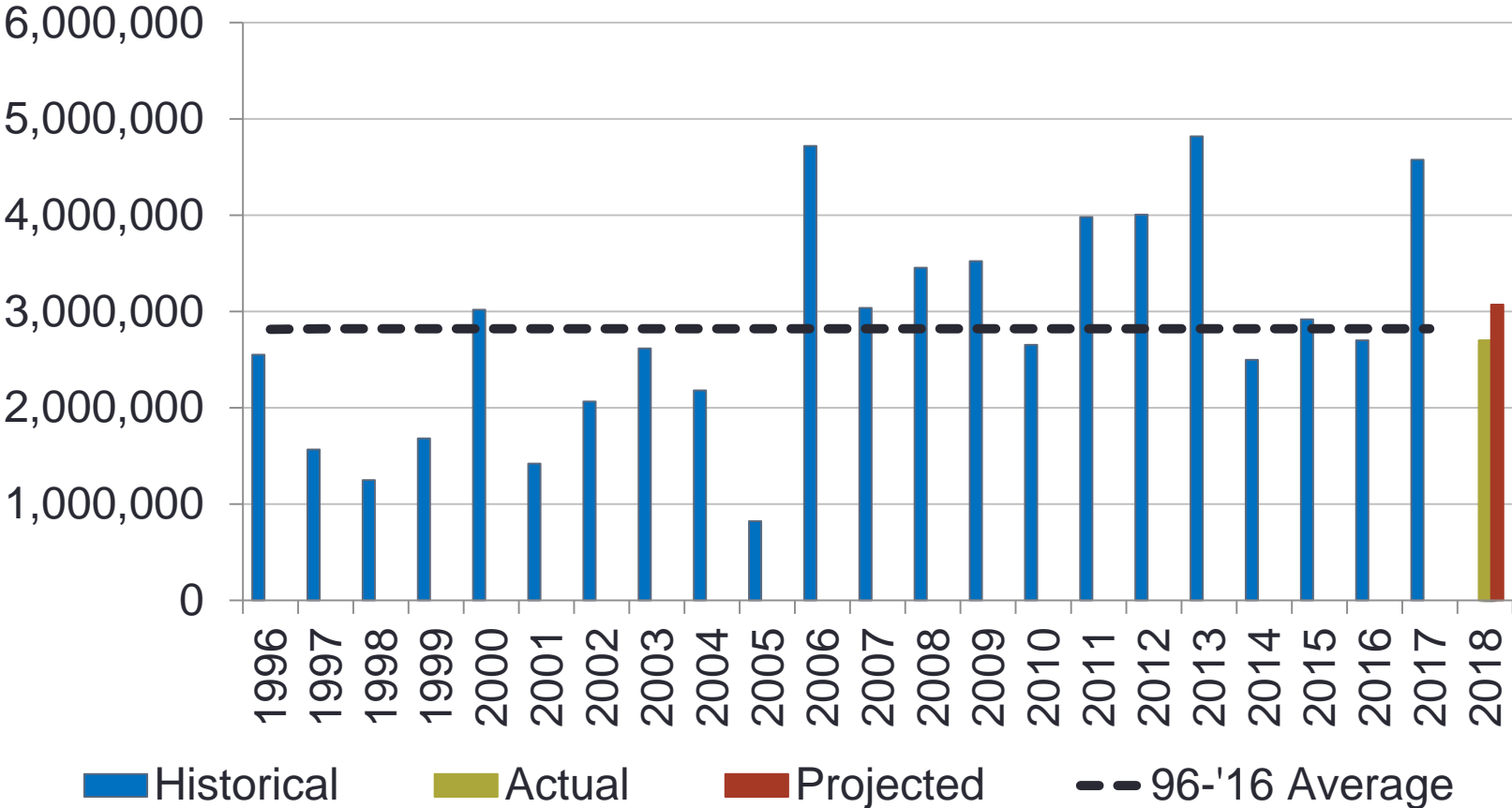


# 2018 Chum Return

	Age-3	Age-4	Age-5	Age-6	Total
Actual:	302,200	1,012,000	1,347,200	39,300	2,700,800
Projected:	82,200	2,088,500	870,200	33,000	3,073,900
% of Projected:	<b>367%</b>	48%	155%	119%	88%

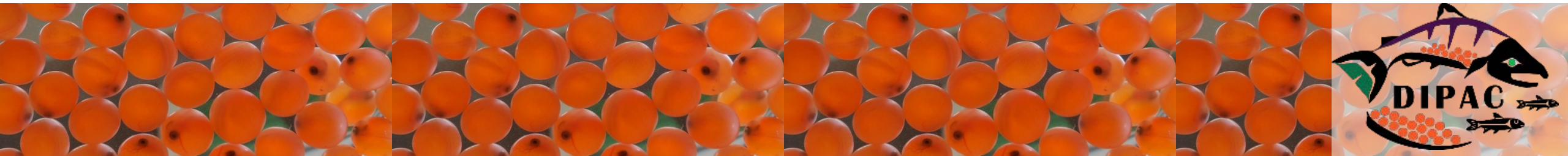
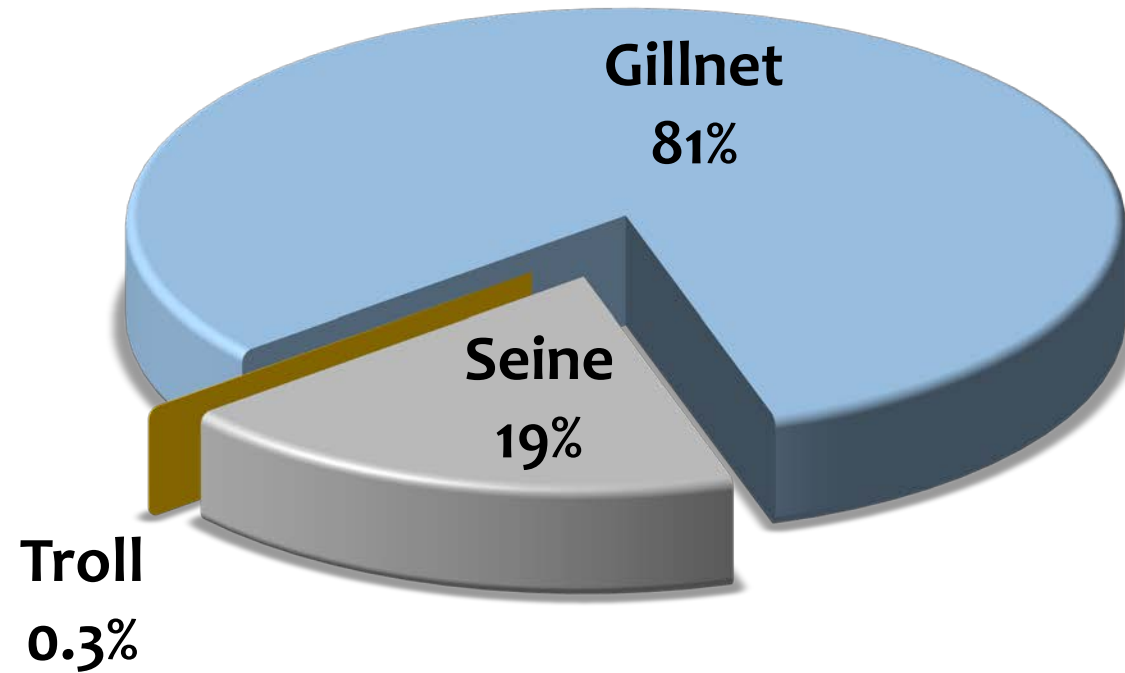


# 2018 Chum Return: Actual vs. Projected Harvest



# 2018 Chum Contributions

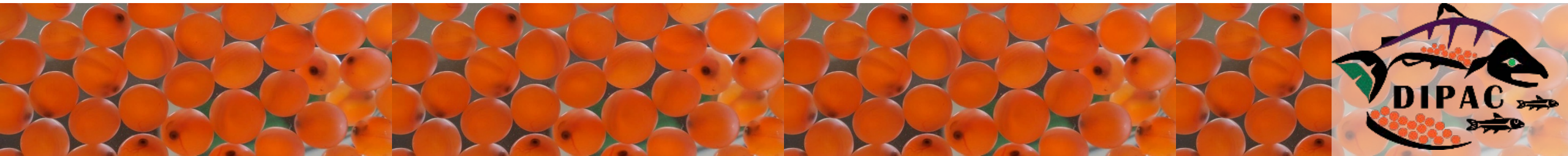
Gillnet, Seine, & Troll Harvest



# 2018 Chum Return:

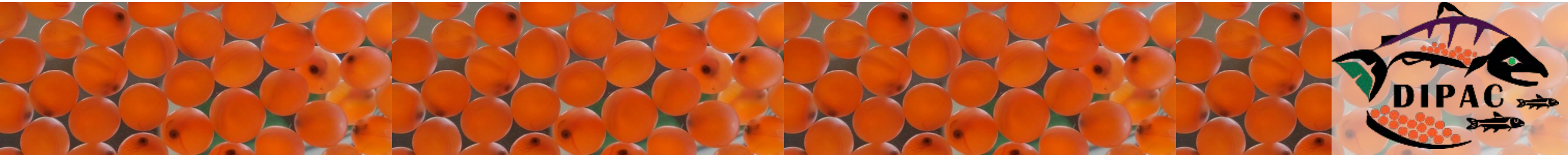
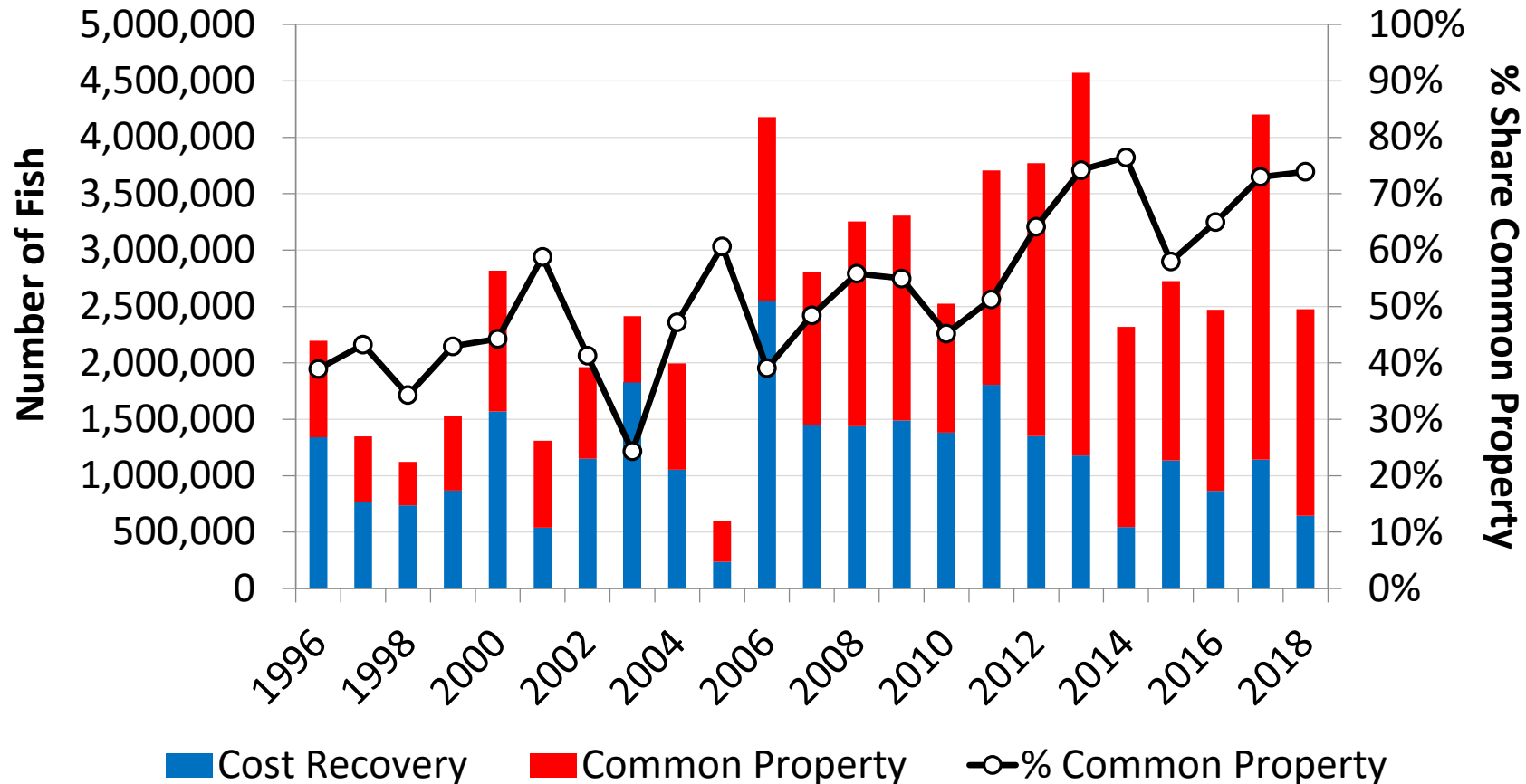
## Contribution, Cost Recovery, & Harvest Shares

	Common Property Harvest	DIPAC Contrib.	% DIPAC Contrib.	Cost Recovery	Total Harvest
Lynn Canal GN	995,000	974,800	98%	346,900	1,321,700
Taku/Stephens GN	516,100	508,200	98%	300,400	808,600
Homeshore Troll	880	680	78%		700
Amalga CP-Seine	328,200	328,200	100%		328,200
Other Seine	27,000	12,600	47%		12,600
Sport		5,000			5,000
Broodstock & Esc.					224,000
<b>Total</b>	<b>1,867,300</b>	<b>1,829,500</b>		<b>647,300</b>	<b>2,700,800</b>
Harvest Shares		<b>74%</b>		<b>26%</b>	

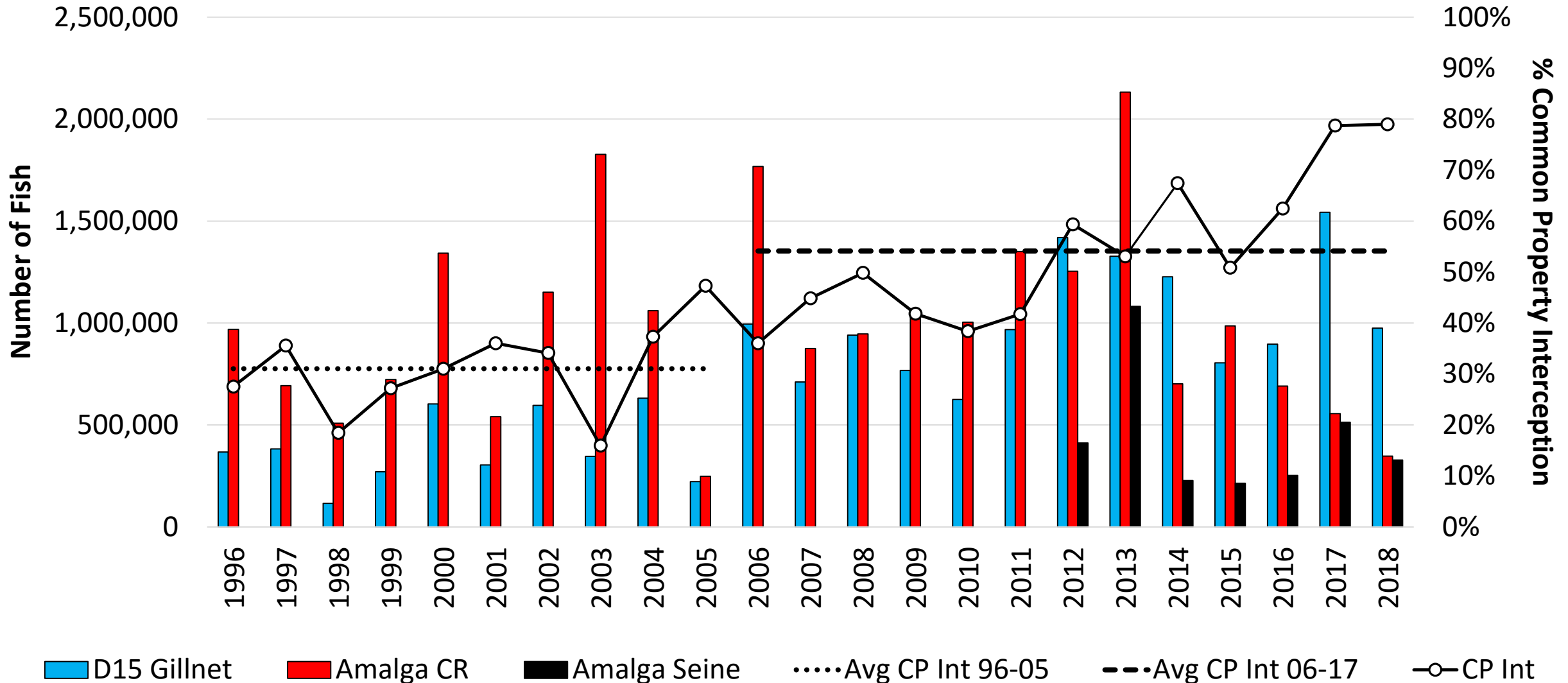


# DIPAC Chum Harvest:

## Cost Recovery, Common Property, & Harvest Shares

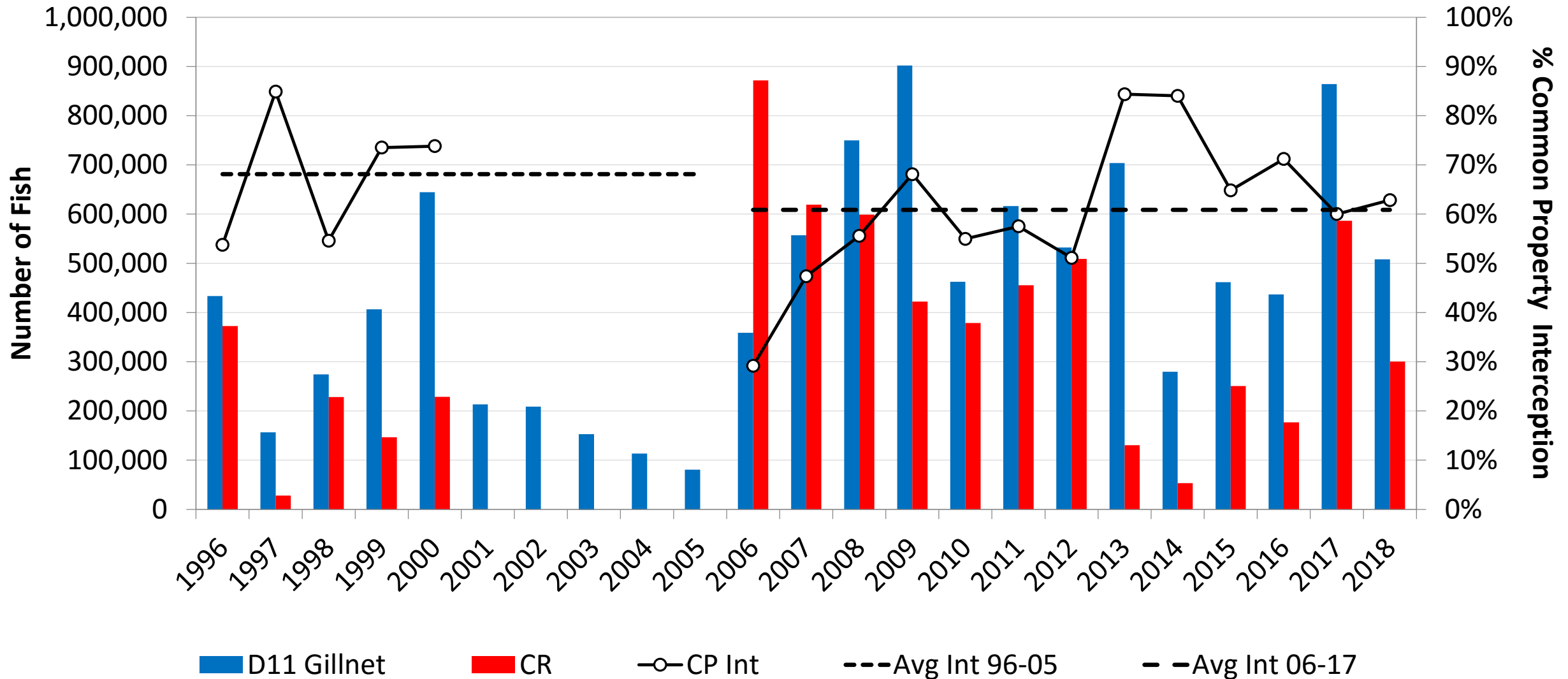


# District 115 Chum Contribution: Gillnet & Amalga SHA Seine



# District 111 Chum Contribution: Gillnet & Cost

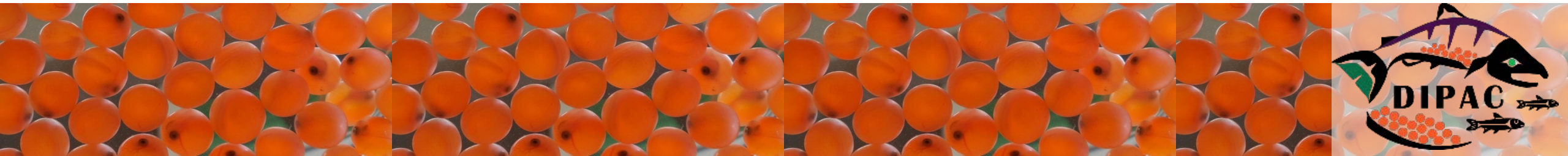
## Recovery Seine





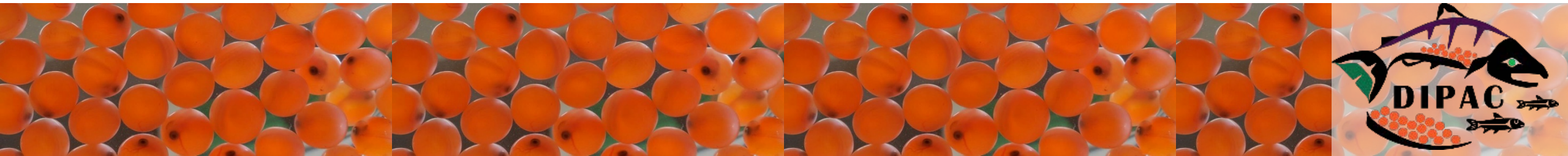
# 2018 Chum Return: Cost Recovery Summary

	<b>Fish</b>	<b>Pounds</b>	<b>% Marine Survival (average)</b>
Amalga Harbor	<b>346,900</b>	<b>2,955,900</b>	<b>3.4%</b>
Gastineau Channel	<b>298,800</b>	<b>2,713,300</b>	<b>2.1%</b>
Macaulay Hatchery	<b>1,600</b>	<b>11,400</b>	
	<b>647,300</b>	<b>5,680,600</b>	



# Chum Marine Survival

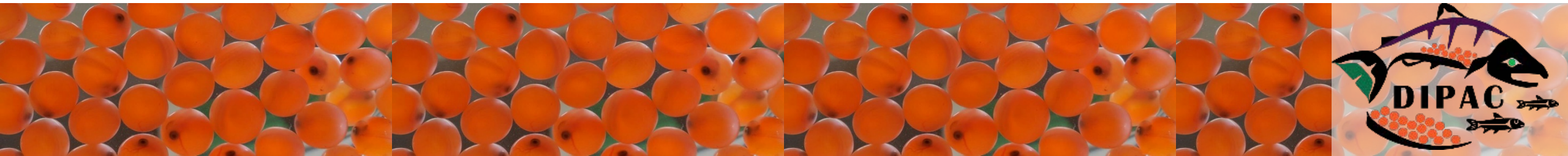
Broodyear	Age 3	Age 4	Age 5	Age 6	Total
2012	0.0%	1.6%	1.1%	0.0%	2.8%
2013	0.0%	2.8%	1.2%		4.0%
2014	0.1%	0.9%			1.0%
2015	0.3%				0.3%



# 2018 Chum: Age-3 Return

- 2018 marine survival was 0.3%
- Average marine survival is 0.1%
- Average return is 75,000
- 2018 return was 302,200
  - 367% of preseason forecast

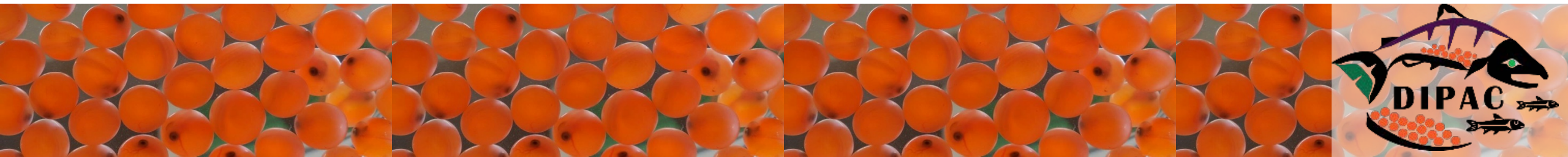
Brood Year	Age-3	Age-4
1992	212,239	2,304,001
1996	131,558	2,302,193
1999	135,742	2,203,037
2000	82,839	1,419,010
2003	170,150	1,870,045
2002	211,832	4,410,059
2004	115,138	2,665,516
2005	65,131	2,362,953
2007	116,213	3,432,837
2008	62,260	2,400,581
2009	84,968	3,082,225
2014	98,348	1,012,040
2015	302,208	



# 2018 Chum: Age-3 Return

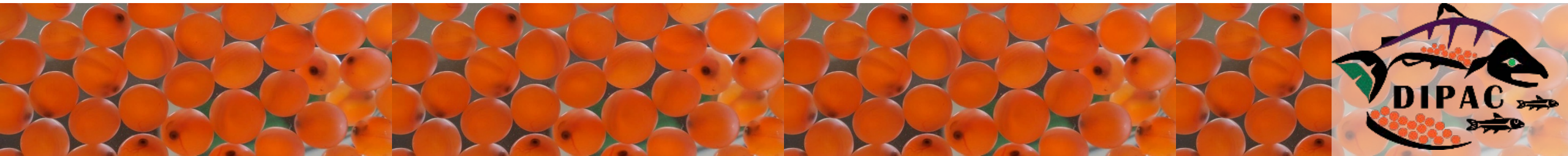
- Largest age-3 return prior 2018
  - 1992 – 212,200 resulted in 2.3 million age-4 return
- Age-3 returns > 100,000
  - Produced an age-4 return range of
    - 2.5 million fish

Brood Year	Age-3	Age-4
1992	212,239	2,304,001
1996	131,558	2,302,193
1999	135,742	2,203,037
2003	170,150	1,870,045
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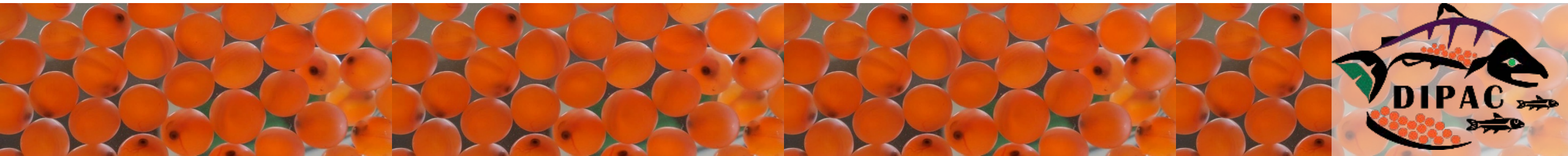
# 2018 Sockeye Return: Totals by Age

	Age-4	Age-5	Total
Actual:	216,700	22,600	239,200
Projected:	128,500	116,200	244,700
% of Projected:	169%	19%	98%



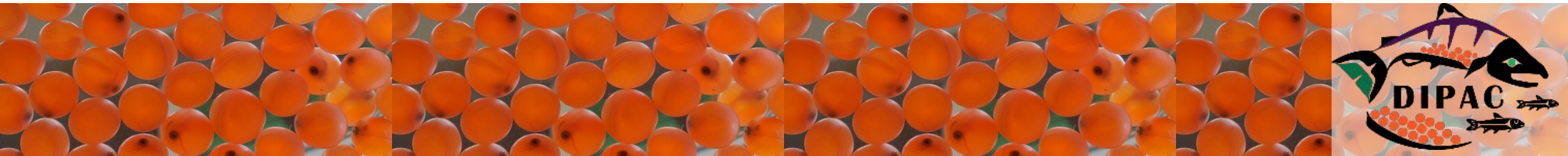
# 2018 Sockeye Return

	<b>Common Property</b>	<b>Cost Recovery</b>	<b>Broodstock<sup>1</sup></b>	<b>Total</b>
Actual:	<b>81,169</b>	<b>150,617</b>	<b>7,442</b>	<b>239,228</b>
Projected:	<b>167,000</b>	<b>70,931</b>	<b>6,800</b>	<b>244,731</b>
% of Projected:	<b>49%</b>	<b>212%</b>	<b>109%</b>	<b>98%</b>
1) Includes end-of-season unmarketable fish.				

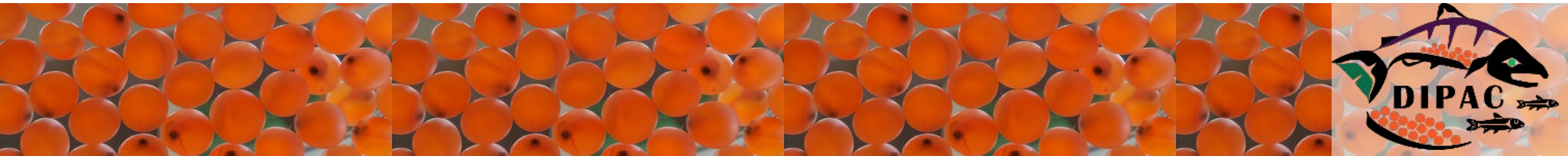
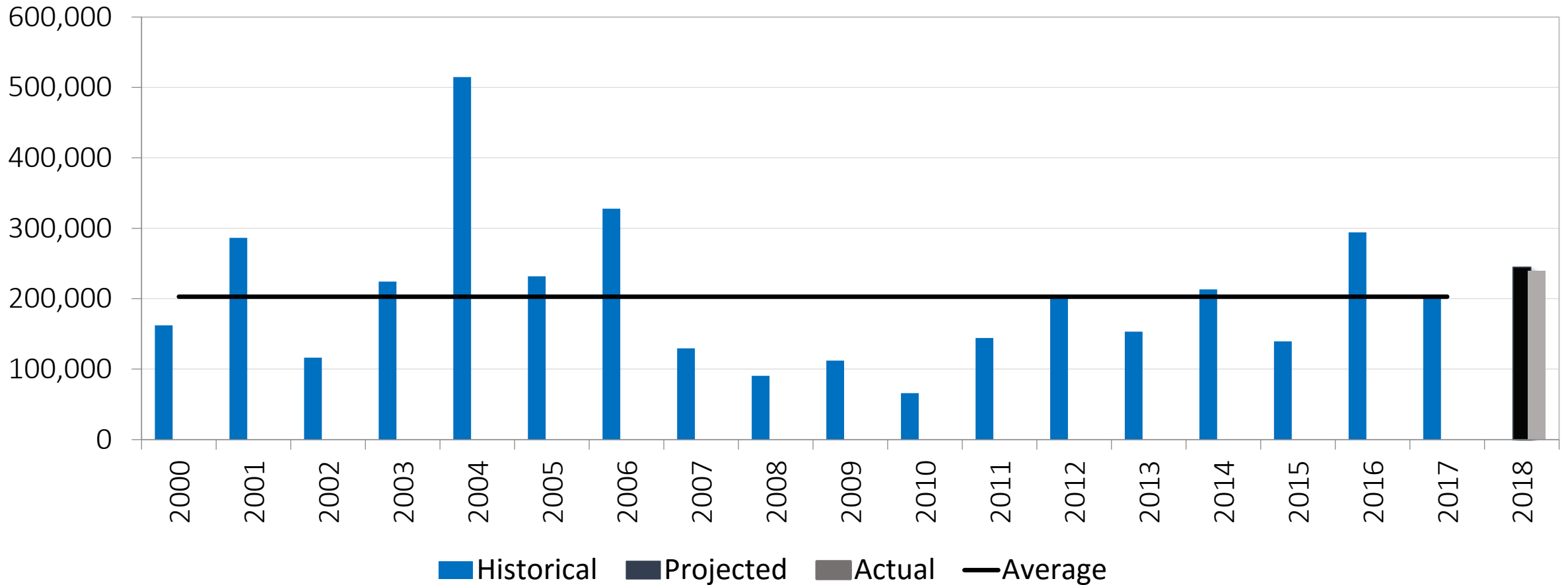


# Sockeye Marine Survival

Broodyear	Age 3	Age 4	Age 5	Age 6	Total
2012	0.2%	1.8%	1.0%	0.0%	2.9%
2013	0.1%	1.1%	0.3%		1.5%
2014	0.2%	2.6%			2.8%
2015	0.0%				0.0%



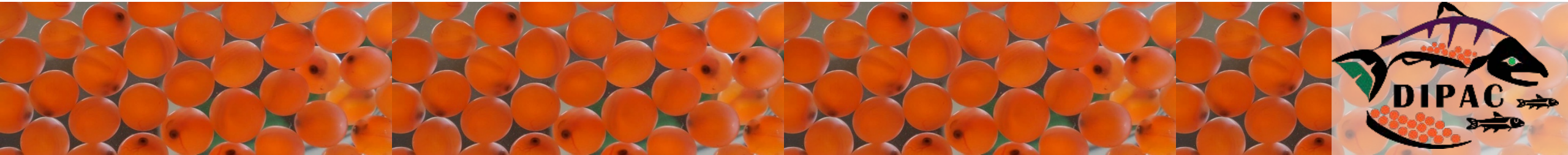
# 2018 Sockeye Return: Actual vs. Projected Return





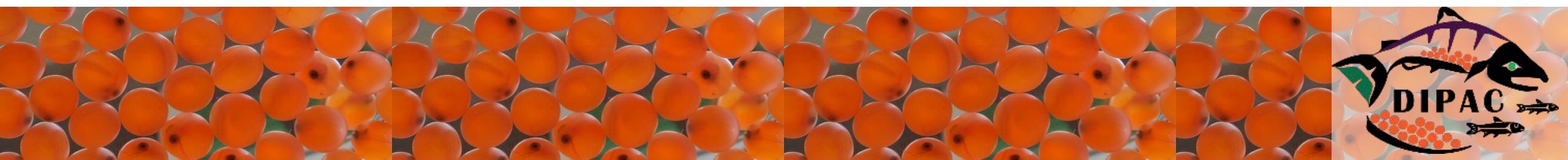
# 2018 Sockeye Return: Contribution, Cost Recovery, & Harvest Shares

	CP Harvest	DIPAC Contribution	Cost Recovery	Total Harvest
District 11 Gillnet	95,200	68,500	150,600	219,100
Other Gillnet	20,000	6,900		6,900
Seine	3,700	1,900		1,900
Personal Use	3,900	3,900		3,900
Broodstock				7,400
<b>Total</b>	<b>122,726</b>	<b>81,169</b>	<b>150,617</b>	<b>239,200</b>
Harvest Shares		35%	65%	

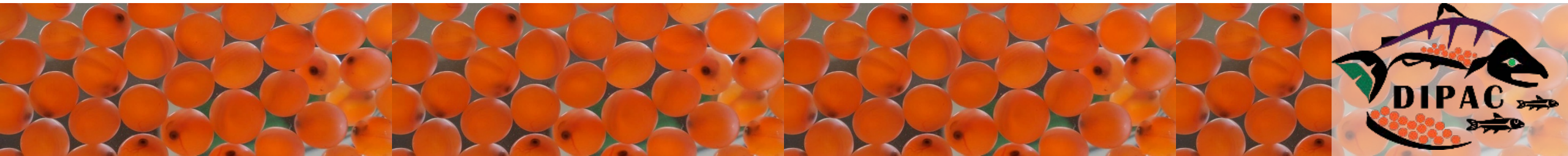
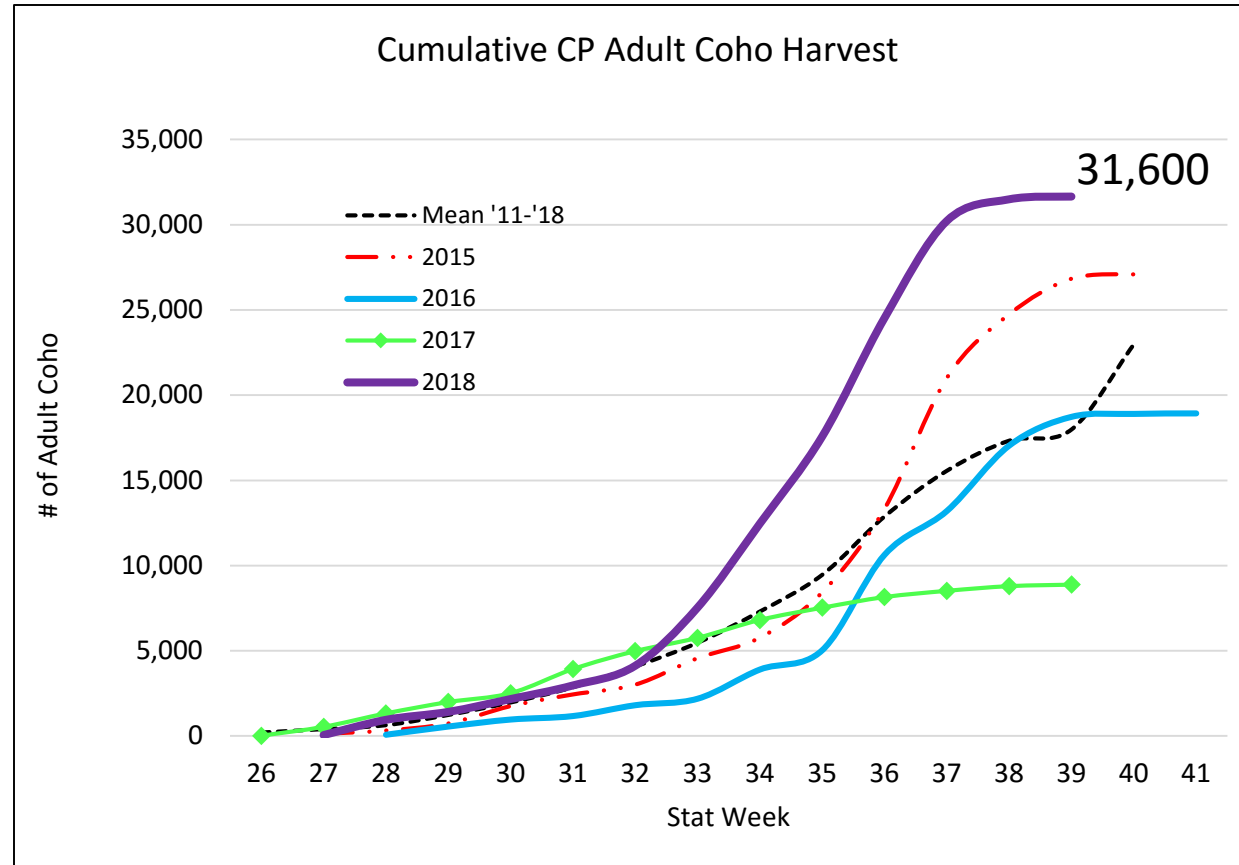


# Coho Returns

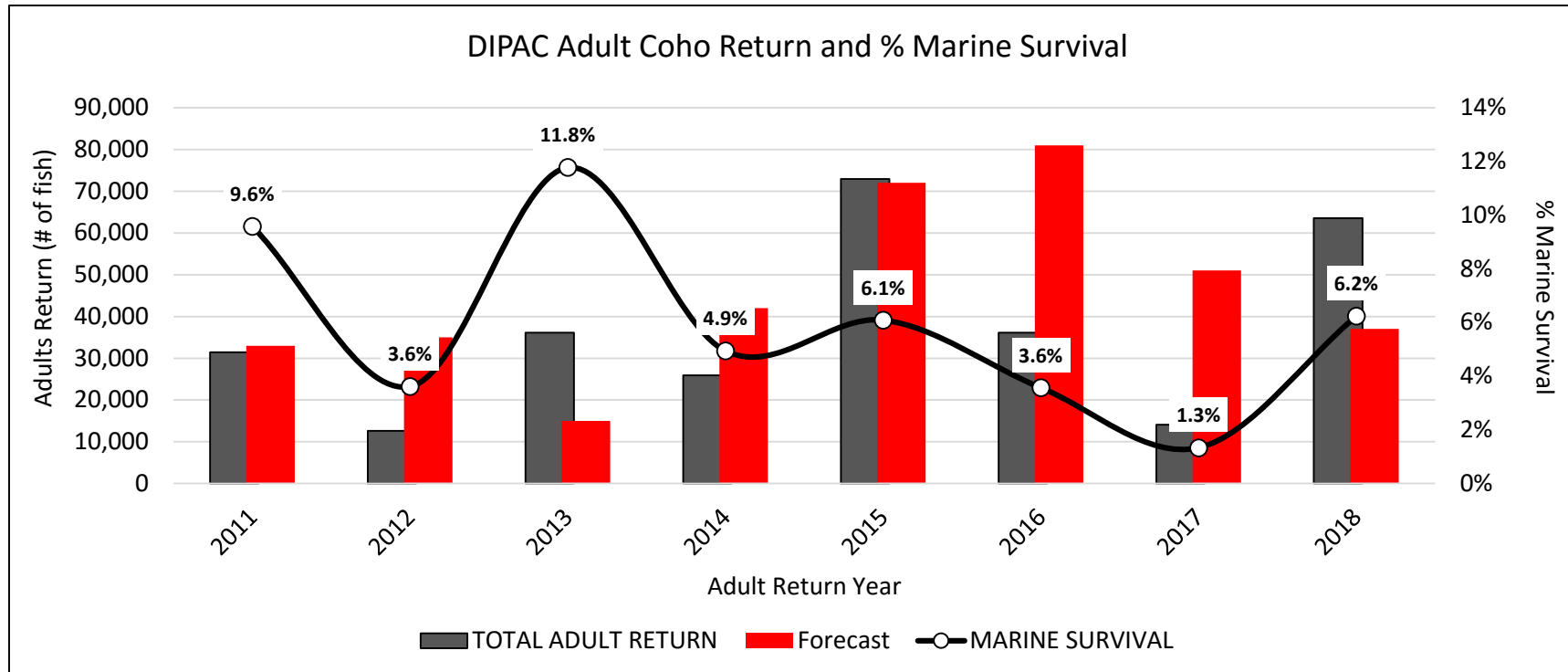
Troll	Gillnet & Seine	Marine Sport	Gastineau Shoreline	Cost Recovery	Brood & Donations	Total	% Marine Survival
13,000	16,700	1,900	15,000	15,500	1,120	63,500	6.2%
					Projected:	37,000	3.7%
					% of Projected:	172%	



# Coho Common Property Harvest

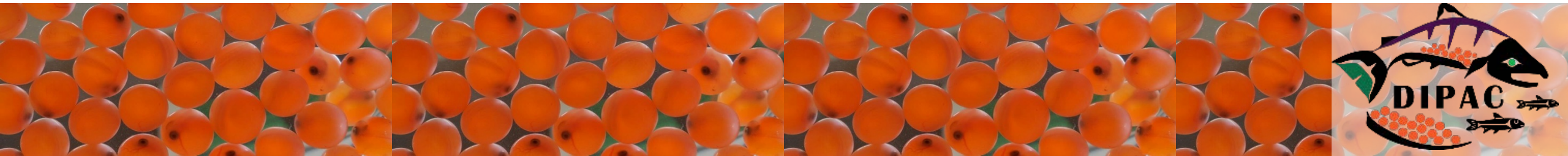
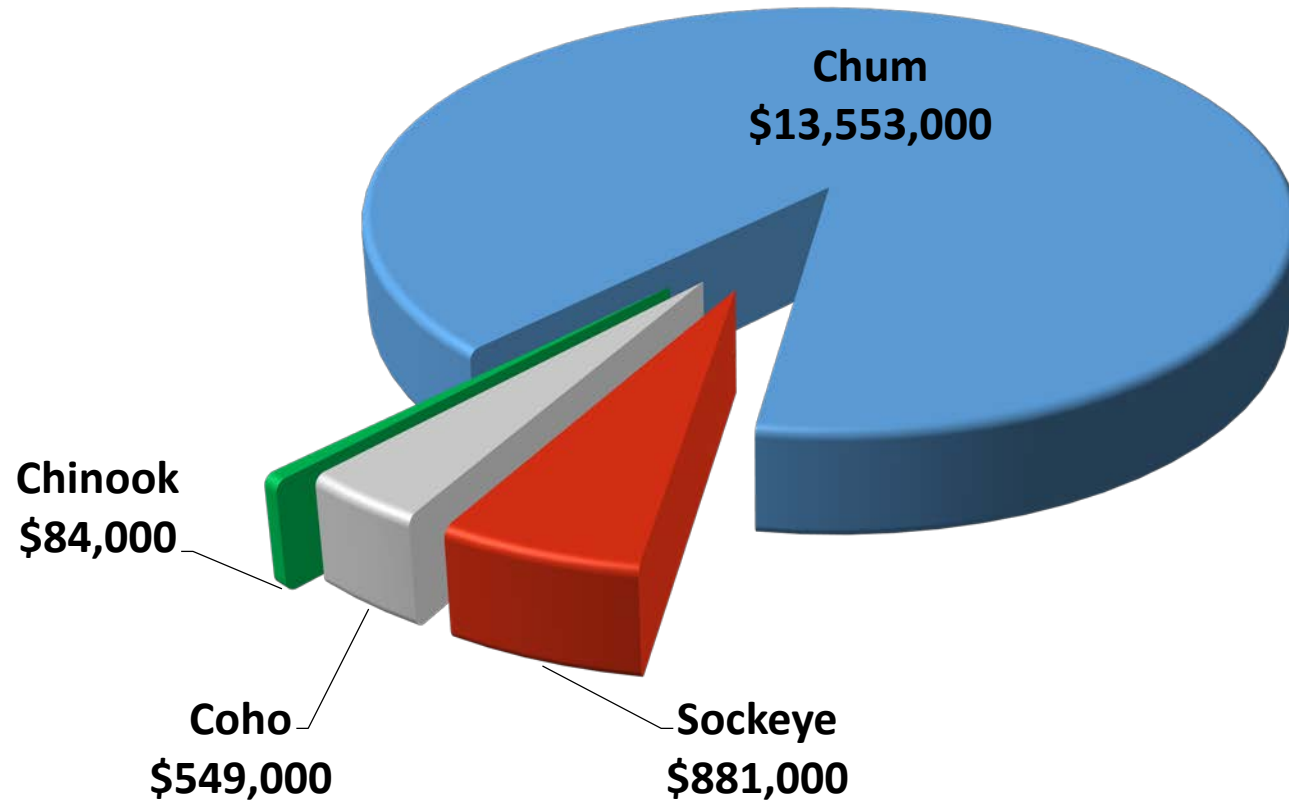


# Coho Returns and Marine Survival



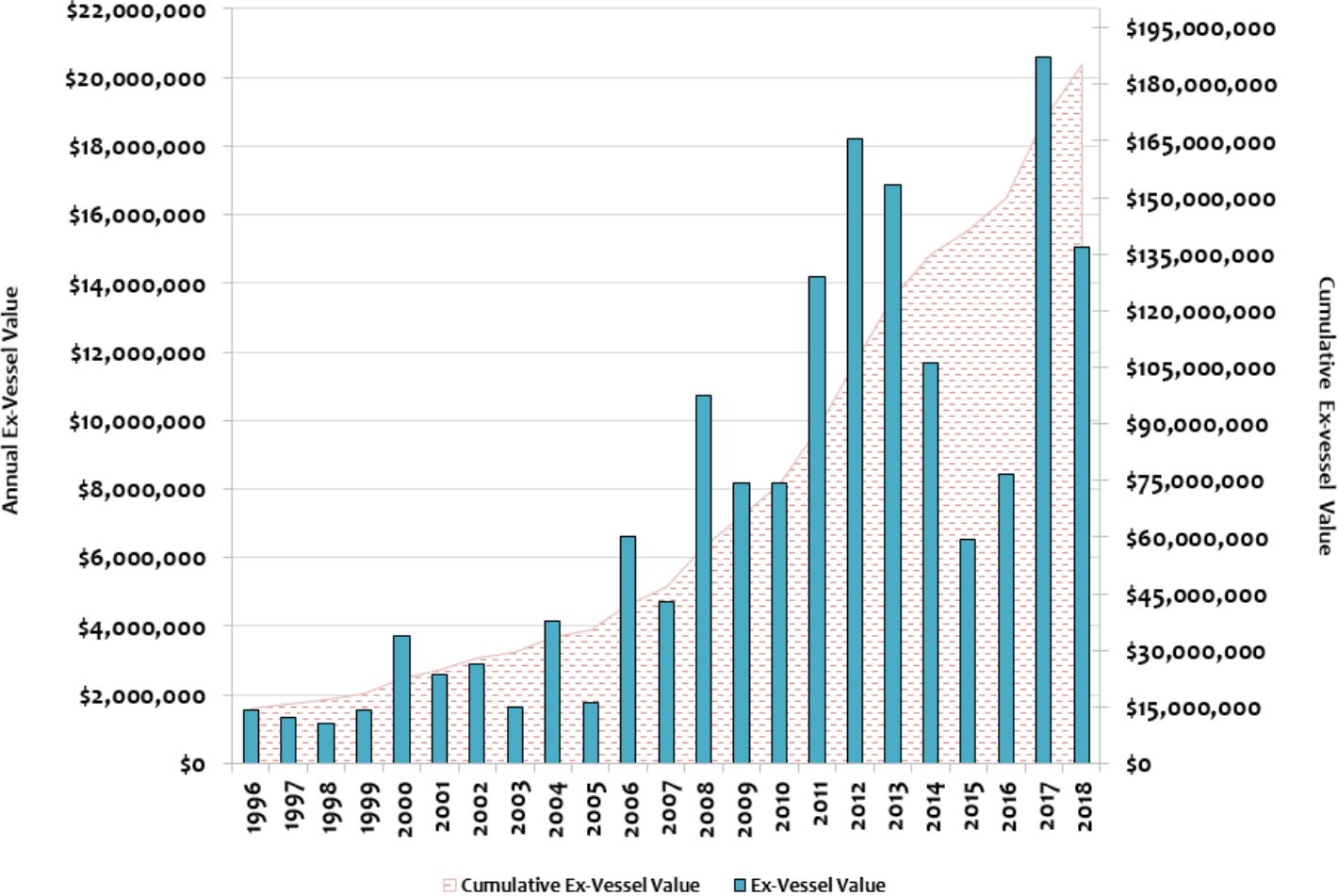
# 2018 Contributions

Estimated Ex-vessel Value: \$15,067,000



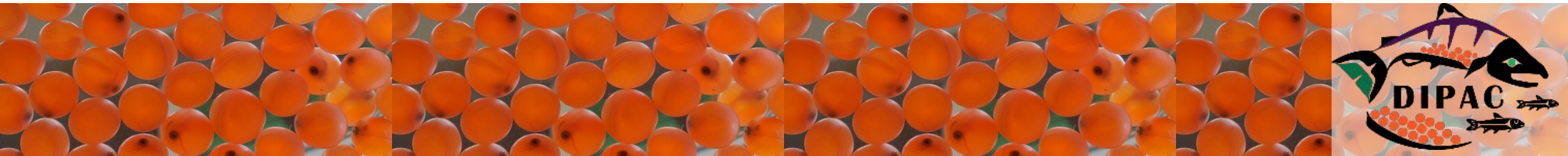
# DIPAC Salmon Contributions

Cumulative Ex-Vessel Value: \$185,366,265



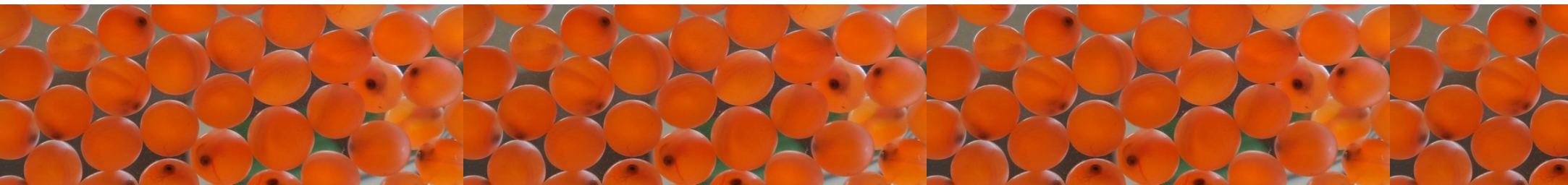
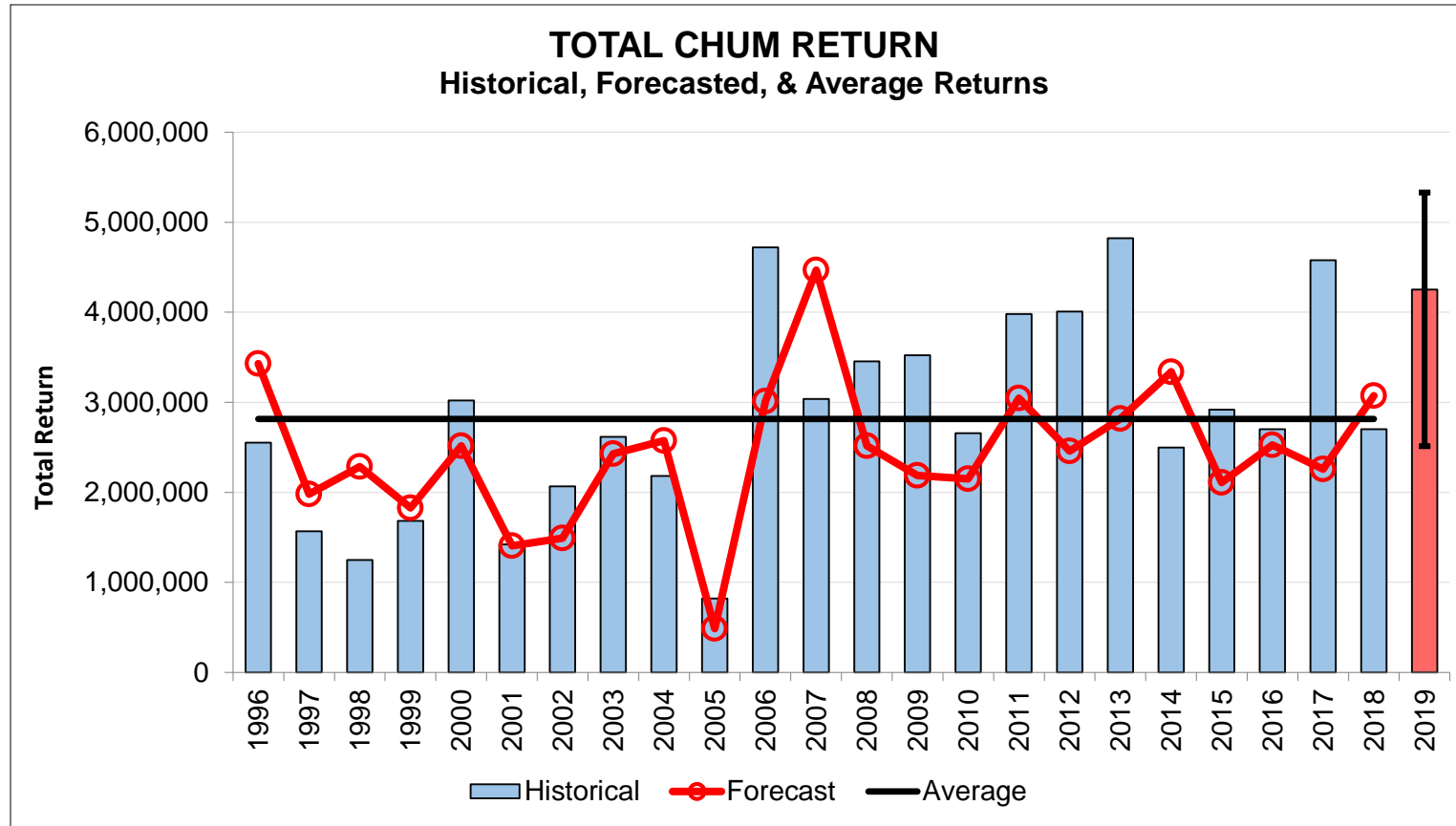
# 2019 Chum Forecast

	Low End	Mid Point	High End	Common Property	Cost Recovery	Brood
Taku/Stephens	657,000	1,421,000	1,525,000	736,300	494,700	190,000
Lynn Canal/ Amalga	1,857,000	2,831,200	3,806,000	2,107,300	724,000	
Total	2,514,000	4,252,200	5,331,000	2,843,600	1,218,700	



# 2019 Chum Forecast

## Historical & Projected Returns

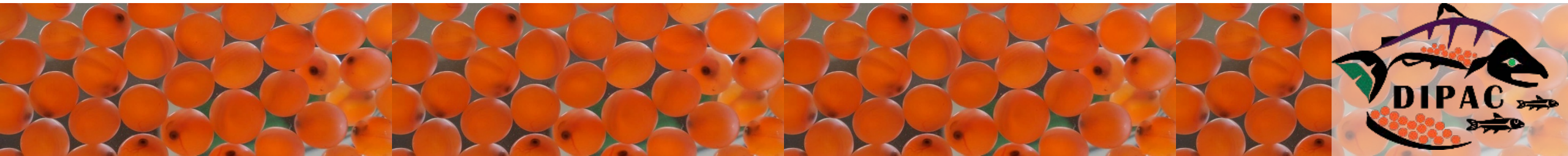




# 2019 Sockeye Forecast

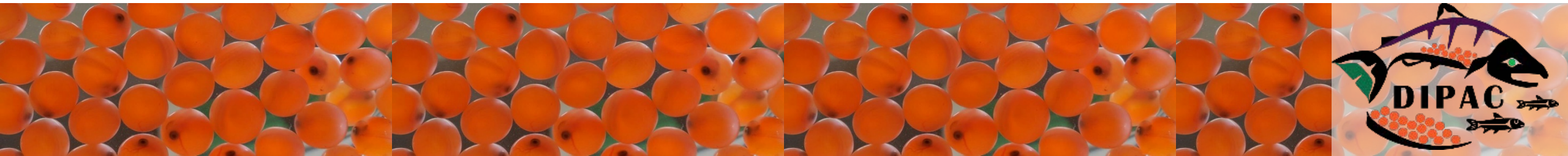
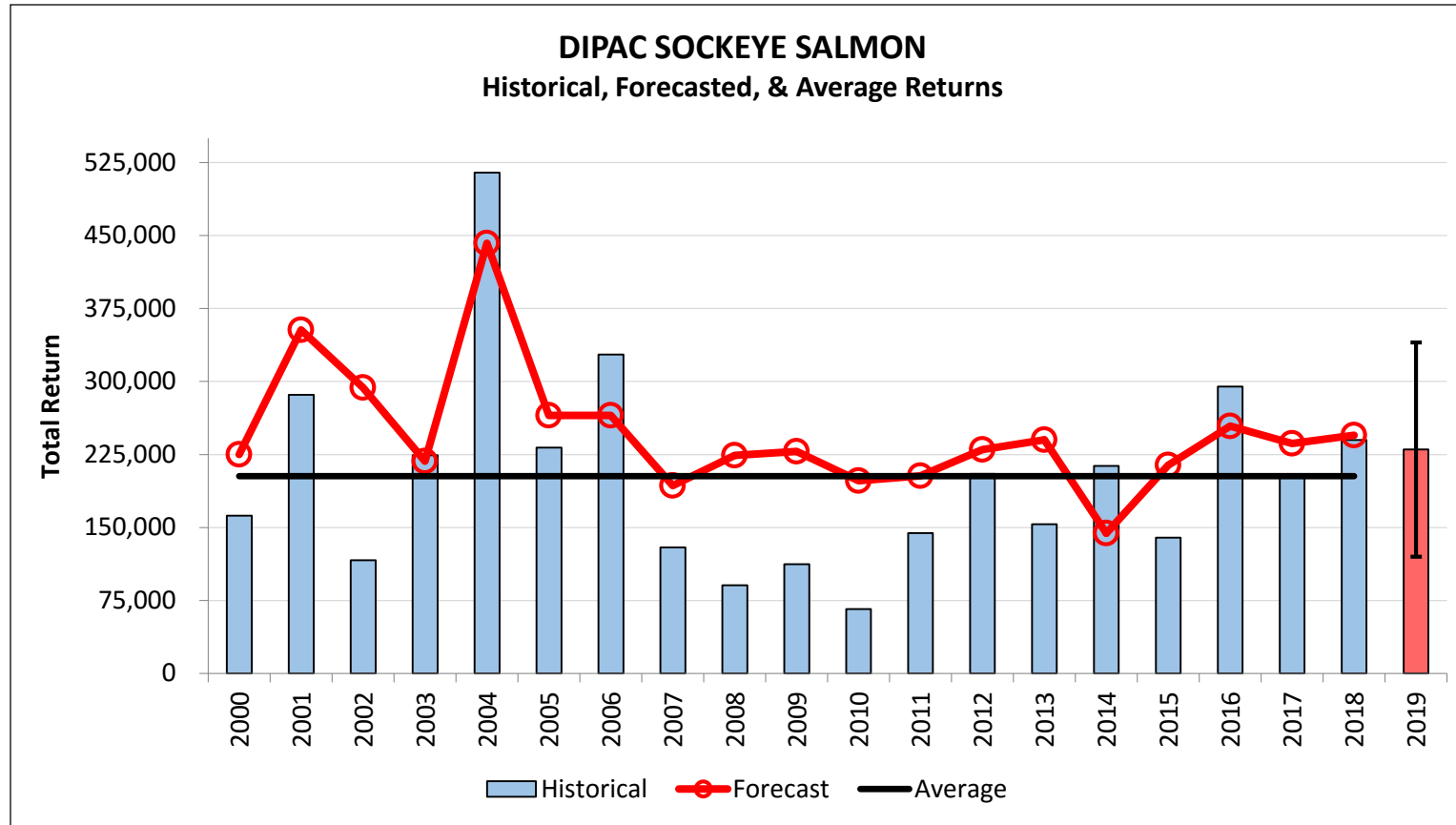
	Low End	Mid Point	High End
Age 5	46,000	106,300	167,000
Age 4	74,000	123,900	173,000
	120,000	230,100	340,000

Harvest Share Goal		Average Harvest Shares	
70% CP:	156,000	51% CP:	113,900
30% CR:	67,300	49% CR:	109,400
Broodstock:	6,800	Broodstock:	6,800



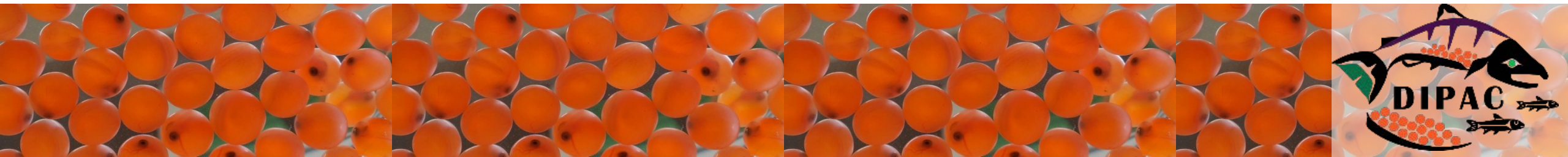
# 2019 Sockeye Forecast

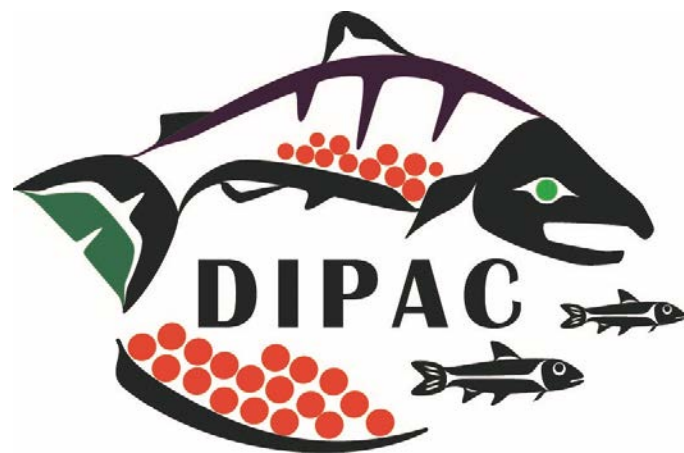
## Historical & Projected Returns



# 2019 Chinook & Coho Forecast

	Number Returning	Marine Survival
Chinook (large adults, ages 5-7)	5,500	0.2%
Coho	62,100	5.0%





Thank You.