

NSRAA submits the marine survival and return to date information for the Crawfish Inlet chum release site. This site began releasing chum fry in 2014 with the first return of 3 year olds in 2017. In 2018 we experienced a historic and recording breaking marine survival on brood year 2015 3 year olds with a total return of 3.4 million fish and the largest single day harvest in state history of 1 million chum salmon. Overall, the 2015 brood year experienced an Alaska hatchery record breaking marine survival over 16%. This brood year also contributed significantly to the large return in 2019 of 1.9 million chum salmon.

Crawfish Inlet Chum Utilization Terminal Area

Return Year	Seine	Gillnet	Troll	Sport	Cost Recovery	JV Roe	Rack Other	Total Return	% Seine	% Gillnet	% Troll	% Sport	%CR	% Rack/ Other
2017	20,356	-	-	-	98,963	-	-	119,319	17.1%	0.0%	0.0%	0.0%	82.9%	0.0%
2018	1,940,155	-	252,858	-	1,244,114	-	-	3,437,127	56.4%	0.0%	7.4%	0.0%	36%	0.0%
2019	1,673,740	-	178,301	-	53,595	-	-	1,905,636	87.8%	0.0%	9.4%	0.0%	2.8%	0.0%
2020	949,582	-	64,855	-	525,152	-	1,000	1,540,589	61.6%	0.0%	4.2%	0.0%	34.1%	0.1%
2021	381,932	-	147,685	-	661,571	-	-	1,191,188	32.1%	0.0%	12.4%	0.0%	55.5%	0.0%
Total	4,965,765	0	643,699	0	2,583,395	0	1,000	8,193,859						
TOTALS	4,965,765	0	643,699	0	2,583,395	0	1,000	8,193,859	60.6%	0.0%	7.9%	0.0%	31.5%	0.0%
Avg (1993-2021)	993,153	0	128,740	0	516,679	0	333	1,638,772	51.0%	0.0%	6.7%	0.0%	42.3%	0.0%
5-yr avg (2017-21)	993,153	0	128,740	0	516,679	0	333	1,638,772	51.0%	0.0%	6.7%	0.0%	42.3%	0.0%
10-yr avg (2012-21)	993,153	0	128,740	0	516,679	0	333	1,638,772	51.0%	0.0%	6.7%	0.0%	42.3%	0.0%

Terminal Data (excludes off-site otolith contribution estimates).

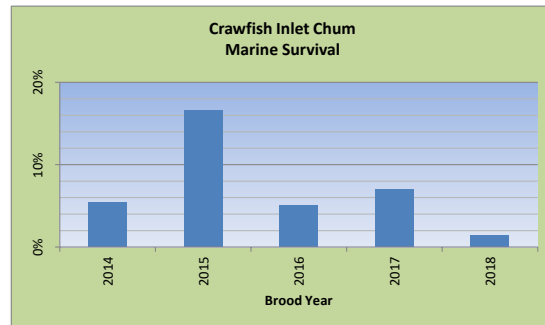
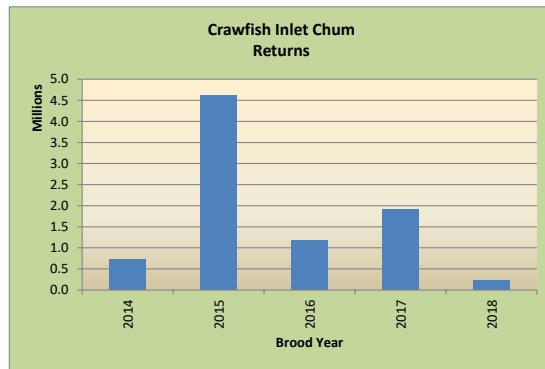
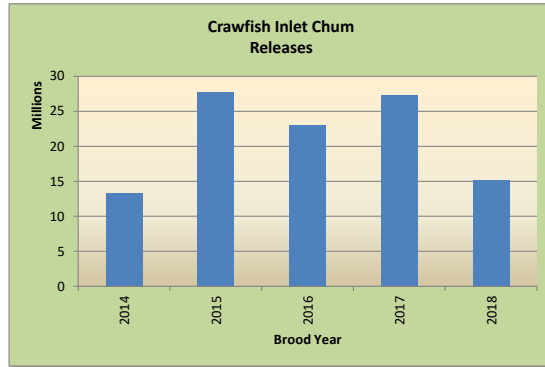
Crawfish Inlet Chum Utilization Terminal Area & Off-site Otolith Contribution

Return Year	Seine	Gillnet	Troll	Sport	Cost Recovery	JV Roe	Rack Other	Seine-OT	Troll-OT	Gillnet-OT	CR-OT	RACK/OTHER-OT	Test	Total Return
2017	20,356	-	-	-	98,963	-	-	26,616	17,450	11,757	9,008	616	-	184,766
2018	1,940,155	-	252,858	-	1,244,114	-	-	54,100	28,910	16,029	14	568	-	3,536,748
2019	1,673,740	-	178,301	-	53,595	-	-	153,962	306	37,218	57	20,308	-	2,117,487
2020	949,582	-	64,855	-	525,152	-	1,000	6,148	93	1,830	-	129	-	1,548,789
2021	381,932	-	147,685	-	661,571	-	-	25,501	31,859	9,282	402	1,202	-	1,259,434
Total	4,965,765	-	643,699	-	2,583,395	-	1,000	266,327	78,618	76,116	9,481	22,823	-	8,647,224

Crawfish Inlet Chum Returns by Brood Year & Marine Survival

Project	Year Brood	Release	Adults	MS	Status
Crawfish Inlet Chum	2014	13,370,294	727,171	5.44%	
Crawfish Inlet Chum	2015	27,794,243	4,614,496	16.60%	
Crawfish Inlet Chum	2016	23,042,232	1,171,707	5.09%	I
Crawfish Inlet Chum	2017	27,319,517	1,912,697	7.00%	I
Crawfish Inlet Chum	2018	15,205,614	221,152	1.45%	I
Total		106,731,900	8,647,223		

Status: F= Final; I= Incomplete adult returns



Crawfish Inlet Chum Utilization - TOTAL RETURN

Return Year	Seine	Gillnet	Troll	Sport	Cost Recovery	JV Roe	Rack Other	Total Return	% Seine	% Gillnet	% Troll	% Sport	%CR	% Rack/ Other
2017	46,972	11,757	17,450	-	107,971		616	184,766	25.4%	6.4%	9.4%	0.0%	58.4%	0.3%
2018	1,994,255	16,029	281,768	-	1,244,128		568	3,536,748	56.4%	0.5%	8.0%	0.0%	35%	0.0%
2019	1,827,702	37,218	178,607	-	53,652		20,308	2,117,487	86.3%	1.8%	8.4%	0.0%	2.5%	1.0%
2020	955,730	1,830	64,948	-	525,152		1,129	1,548,789	61.7%	0.1%	4.2%	0.0%	33.9%	0.1%
2021	407,433	9,282	179,544	-	661,973		1,202	1,259,434	32.4%	0.7%	14.3%	0.0%	52.6%	0.1%
Total	5,232,092	76,116	722,317	0	2,592,876	0	23,823	8,647,224						
TOTALS	5,232,092	76,116	722,317	0	2,592,876	0	23,823	8,647,224	63.9%	0.9%	8.8%	0.0%	31.6%	0.3%

Crawfish Inlet Chum Utilization Charts

Charts below reflect Total Return numbers

