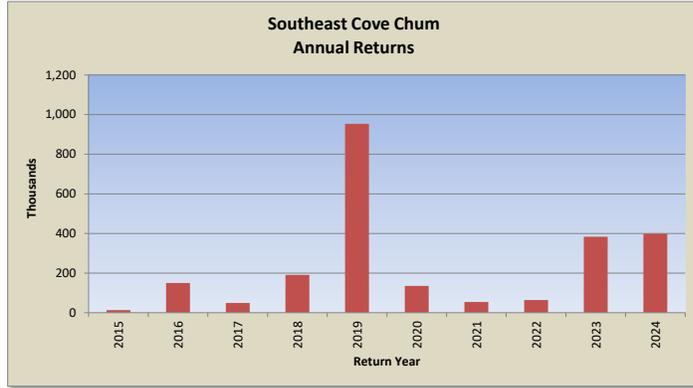


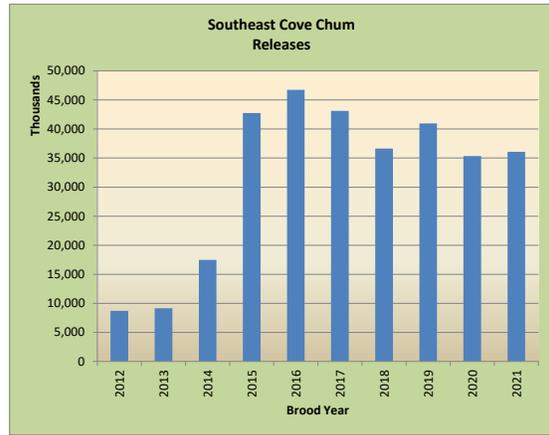
SOUTHEAST COVE Chum Returns by Return Year

Project	Return Year	Adult Return
Southeast Cove Chum	2015	13,428
Southeast Cove Chum	2016	149,520
Southeast Cove Chum	2017	49,502
Southeast Cove Chum	2018	190,528
Southeast Cove Chum	2019	953,370
Southeast Cove Chum	2020	135,448
Southeast Cove Chum	2021	54,279
Southeast Cove Chum	2022	64,073
Southeast Cove Chum	2023	383,576
Southeast Cove Chum	2024	398,672
<b>Total</b>		<b>2,392,396</b>



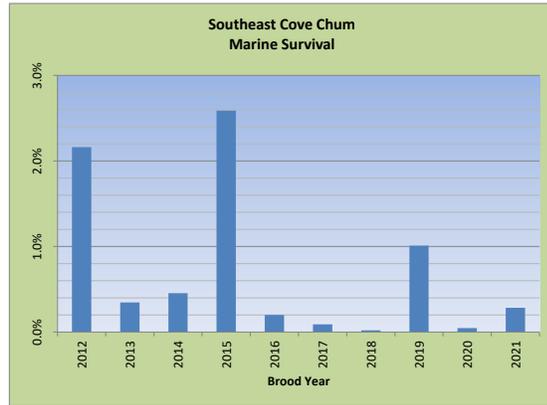
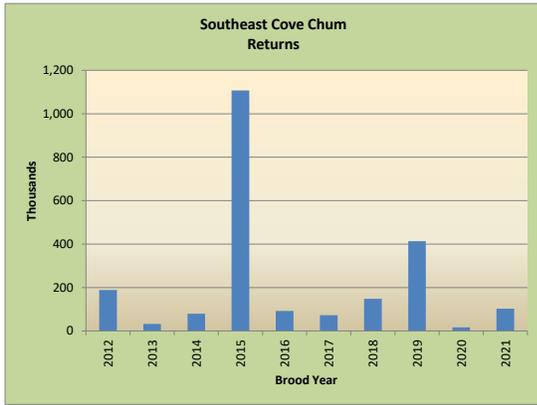
SOUTHEAST COVE Chum Returns by Brood Year & Marine Survival

Project	Year Brood	Release	Adults	MS	Status
Southeast Cove Chum	2012	8,712,136	188,430	2.16%	F
Southeast Cove Chum	2013	9,142,373	32,412	0.35%	F
Southeast Cove Chum	2014	17,478,583	79,444	0.45%	F
Southeast Cove Chum	2015	42,758,270	1,107,287	2.59%	F
Southeast Cove Chum	2016	46,749,525	92,400	0.20%	F
Southeast Cove Chum	2017	43,109,082	72,426	0.09%	F
Southeast Cove Chum	2018	36,644,291	147,841	0.02%	F
Southeast Cove Chum	2019	40,951,776	413,714	1.01%	I
Southeast Cove Chum	2020	35,357,207	16,606	0.05%	I
Southeast Cove Chum	2021	36,087,907	102,603	0.28%	I
<b>Total</b>		<b>316,991,150</b>	<b>2,253,163</b>		



Status: F= Final; F\*= Final except for small 6-year-old return; I= Incomplete adult returns

	Release	Adults	MS
Avg. (BY2012-2018)	29,227,751	245,749	0.84%
5-yr avg (BY2014-2018)	37,347,950	299,880	0.67%
10-yr avg (BY na)	na	na	na



SOUTHEAST COVE Chum Returns - Age Class Estimates

Project Southeast Cove Chum

Sum of Adult at Age	Age				Grand Total
Year Brood	3	4	5	6	
2012	13,428	149,290	25,258	454	188,430
2013	230	20,795	10,989	398	32,412
2014	3,449	60,049	15,420	526	79,444
2015	119,036	918,757	69,003	490	1,107,286
2016	18,795	65,216	8,315	74	92,400
2017	703	37,453	33,941	329	72,426
2018	8,362	122,479	17,000	1,039	148,880
2019	64,073	349,641	68,564		482,278
2020	16,606	226,466			243,072
2021	102,603				102,603
<b>Grand Total</b>	<b>347,285</b>	<b>1,950,145</b>	<b>248,491</b>	<b>3,310</b>	

Release	M.S.
8,712,136	2.16%
9,142,373	0.35%
17,478,583	0.45%
42,758,270	2.59%
46,749,525	0.20%
43,109,082	0.09%
36,644,291	0.02%
40,951,776	1.18%
35,357,207	0.69%
36,087,907	0.28%

Project Hidden Falls Chum

Sum of Pcnt at Age	Age				Grand Total
Year Brood	3	4	5	6	
2012	7.1%	79.2%	13.4%	0.2%	100%
2013	0.7%	64.2%	33.9%	1.2%	100%
2014	4.3%	75.6%	19.4%	0.7%	100%
2015	10.8%	83.0%	6.2%	0.0%	100%
2016	20.3%	70.6%	9.0%	0.1%	100%
2017	1.0%	51.7%	46.9%	0.5%	100%
2018	5.6%	82.3%	11.4%	0.7%	100%
2019	13.3%	72.5%	14.2%		100%
2020	6.8%	93.2%			100%
2021	100.0%				100%

Release	M.S.
8,712,136	2.16%
9,142,373	0.35%
17,478,583	0.45%
42,758,270	2.59%
46,749,525	0.20%
43,109,082	0.09%
36,644,291	0.02%
40,951,776	1.18%
35,357,207	0.69%
36,087,907	0.28%

Avg. (BY2012-2018)	7.1%	72.4%	20.0%	0.5%
5-yr avg (BY2014-2018)	8.4%	72.6%	18.6%	0.4%
10-yr avg (BY na)	na	na	na	na

31,699,115	0.80%
37,347,950	0.67%
na	na