

2 4 6 8 10 12 14 16 18 20 22 24 26

**Port Moller Test Fishery: Catch Update #32, 13 July 2020.**All updates sent by email are also posted online at [www.bbsri.org](http://www.bbsri.org)

Date	Daily Catch Index by Station (Est. catch from the 200 fathom net if it had fished for 1 hr)													Mean Daily Catch Index				Raw catches		Mean Length (mm)	
	S2	S4	S6	S8	S10	S12	S14	S16	S18	S20	S22	S24	S26	Best for comparison w/ prev years		Best for assessing entry pattern this year		4½" mesh	5½" mesh	4½" mesh	5⅝" mesh
														(Stns 2-10)		(Stns 2-22)					
10-Jun	3	4	7	11	14	13	8	4	2	1	1			8		6					
11-Jun	3	4	7	11	15	14	9	4	2	1	1			8		7					
12-Jun	2	0	0	0	60	3	0	0	3	2	1			12		6	27	0	491		
13-Jun	3	4	0	0	60	11	4	13	0	2	1			13		9	15	18	478	495	
14-Jun	3	0	2	0	0	5	23	2	3	2	1			1		4	8	5	515	510	
15-Jun	5	0	0	44	8	5	48	7	4	2	2			11		11	15	30	487	512	
16-Jun	3	5	9	16	22	22	15	8	5	3	2			11		10					
17-Jun	3	10	10	23	13	24	17	10	6	4	3			12		11	12	6	466	508	
18-Jun	3	6	12	21	28	26	18	11	7	5	4			14		13					
19-Jun	3	7	13	19	2	16	0	19	0	7	5			9		8	16	9	491	496	
20-Jun	0	0	2	51	63	34	4	35	4	9	7			23		19	106	36	496	512	
21-Jun	3	7	17	32	42	36	24	16	13	11	9			20		19					
22-Jun	3	7	19	18	98	17	27	19	16	14	12			29		23	15	42	505	523	
23-Jun	2	6	23	37	87	25	19	19	14	1	16			31		23	96	68	495	522	
24-Jun	3	2	8	31	108	47	2	37	75	41	23	0		31		34	87	123	503	527	
25-Jun	0	12	2	34	70	110	33	18	4	3	88			24		34	123	64	502	522	
26-Jun	4	11	31	59	72	60	46	41	44	45	38			35		41					
27-Jun	5	14	36	65	75	62	51	51	58	61	49			39		48					
28-Jun	6	17	43	72	76	63	55	60	74	80	62			43		55					
29-Jun	8	22	52	80	78	73	22	73	43	101	76			48		57	44	49	512	529	
30-Jun	9	27	14	90	84	30	23	156	94	84	89			45		64	126	160	513	525	
1-Jul	11	34	19	96	76	40	68	81	119	135	99			47		71	70	57	509	527	
2-Jul	13	40	92	265	81	36	65	71	184	70	168			98		99	278	133	512	528	
3-Jul	14	10	133	198	6	30	41	91	147	336	0	0		72		92	259	190	512	523	
4-Jul	0	16	393	82	62	43	25	87	151	219	0			111		98	293	306	532	542	
5-Jul	8	23	44	138	291	80	5	156	110	205	86			101		104	218	206	525	549	
6-Jul	15	51	134	175	122	73	60	76	103	106	74			99		90					
7-Jul	14	48	127	45	113	66	58	3	169	23	63			69		66	69	80	511	525	
8-Jul	3	22	52	187	80	97	0	65	82	79	54			69		65	76	95	510	535	
9-Jul	10	167	205	44	250	77	81	58	72	68	47			135		98	173	161	508	525	
10-Jul	10	0	23	27	117	14	21	51	63	59	41			35		39	32	30	516	529	
11-Jul	9	25	54	32	3	23	38	32	19	94	37			24		33	25	44	498	129	
12-Jul	8	20	32	7	108	13	37	18	120	44	32			35		40	129	28	510	451	
13-Jul	0	9	57	37	33	28	28	33	40	38	28			27		30	6	25	487	527	
14-Jul																					
15-Jul																					
16-Jul																					
17-Jul																					
Mean Stn Index	6	19	49	60	71	39	29	42	54	57	36	0			Total =		2318 (54%)	1965 (46%)	512	520	

Red index values were estimated with a statistical model built upon the observed pattern across catch indices to date; thus, these values are subject to change as the season progresses.

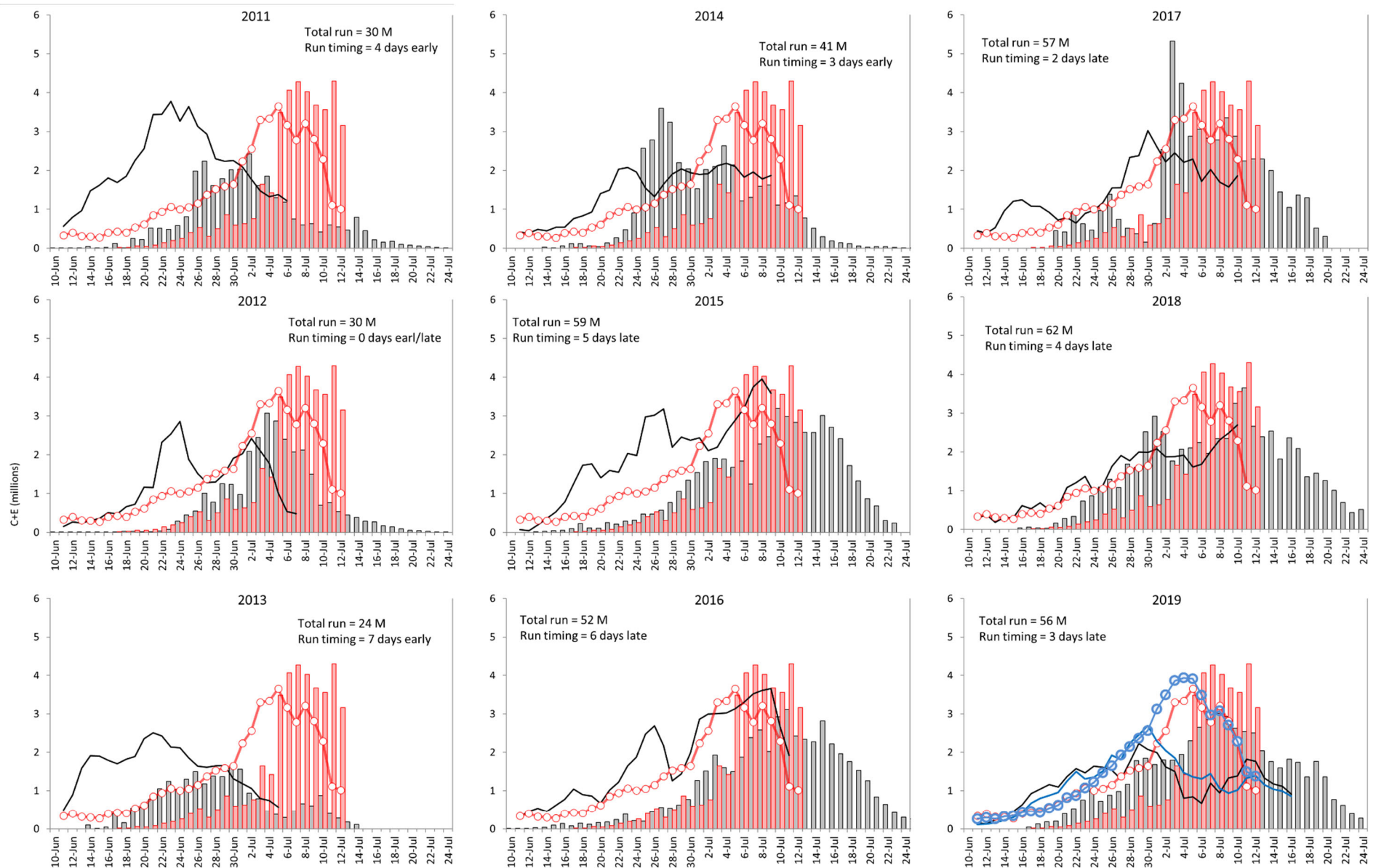


Figure 1. Port Moller daily index and inshore catch + escapement (C+E) for 2011-2020. Gray bars reflect observed C+E for historical years scaled to the left vertical axis; red bars reflect observed C+E for 2020. Black lines are the respective Daily Port Moller Catch Indices for each historical year; the red line is the Daily Catch Index for 2020 based on Stations 2-10 (units for the daily indices are not shown, but all graphs are scaled the same). For the 2019 graph (bottom right), the blue lines are the Daily Catch Indices based on Stations 2-22. All daily catch indices for the current year, red and blue, have been adjusted for fishing a deeper net. Furthermore, all Port Moller Indices represent a 3-day moving average. Run timing for C+E was estimated by comparing each year's date when 50% of the run reached inshore to this average date (July 4) for year's 1987-2019.

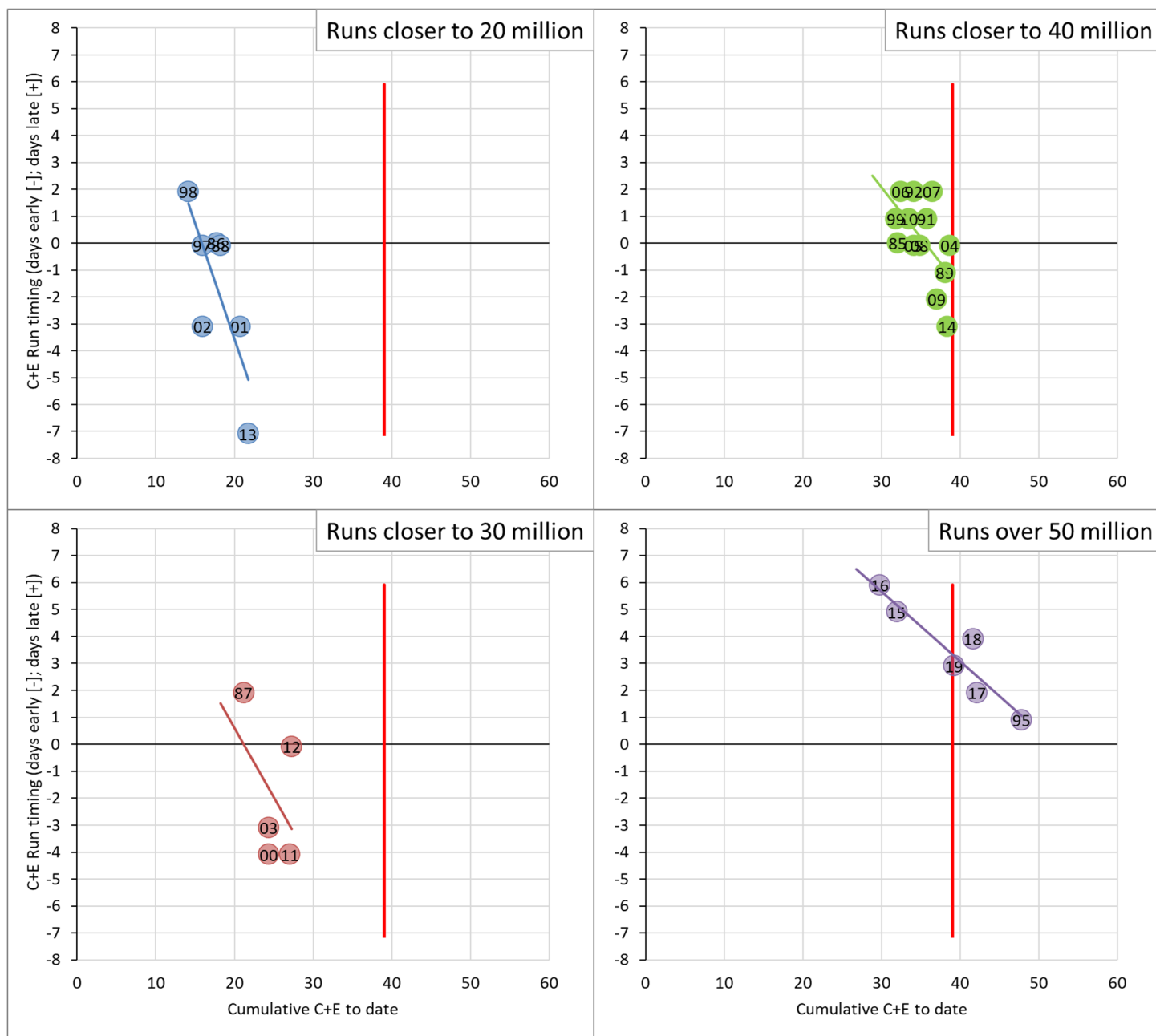


Figure 2. Observed run timing versus cumulative catch + escapement through July 13 in each year from the historical dataset (1985-2019). The red line indicates C+E for 2020 (run timing for this year is not known, but somewhere on this line); each dot indicates what cumulative C+E was through this date, as well as its eventual run timing in previous years, which are binned into four graphs based on final run magnitude. For each bin of years, the trend line is shown. Run timing was estimated by comparing each year's date when 50% of the run reached inshore to this average date (July 4) for year's 1985-2019.