

Michael Link

From: Scott Raborn <raborn@lgl.com>
Sent: Friday, July 10, 2020 8:54 PM
Cc: Michael Link
Subject: PMTF Update #29, July 10
Attachments: Catch Update #29 July 10.pdf; PortMollerTF_RawData - July 10 2020.pdf

Attached are today's (7/10) catch update and the raw data files. The crew was able to fish Stations 4-14 today after dropping off genetic samples late last night. The plan for tomorrow is to cover the outer stations.

PMTF Stock Composition Status: Samples from July 7-9 arrived in Anchorage today. A stock composition estimate for these dates could be released tomorrow (7/11).

Summary of today's catch indices as follows:

<u>Station</u>	<u>Index</u>
Stn2	Not fished
Stn4	0
Stn6	23
Stn8	27
Stn10	117
Stn12	14
Stn14	21
Stn16	Not fished

Daily Index (Stations 2-10) = ***Will be provided when more data become available***

Cumulative Daily Index (Stations 2-10) = ***Will be provided when more data become available***

All for now,

Scott and Michael

Port Moller Test Fishery: Catch Update #29, 10 July 2020.All updates sent by email are also posted online at 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)	
														Best for comparison w/ prev years	Best for assessing entry pattern this year	4½" mesh	5½" mesh	4½" mesh	5½" mesh
	S2	S4	S6	S8	S10	S12	S14	S16	S18	S20	S22	S24	S26	(Stns 2-10)	(Stns 2-22)				
10-Jun	3	4	7	11	14	12	7	4	2	1	1			8	6				
11-Jun	3	4	7	11	15	14	8	4	2	1	1			8	6				
12-Jun	2	0	0	0	60	3	0	0	2	1	1			12	6	27	0	491	
13-Jun	2	4	0	0	60	11	4	13	0	1	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	1			11	11	15	30	487	512
16-Jun	3	5	9	16	23	23	16	8	4	3	2			11	10				
17-Jun	3	10	11	23	13	25	17	10	5	3	2			12	11	12	6	466	508
18-Jun	3	6	12	21	29	27	18	11	7	4	3			14	13				
19-Jun	3	7	14	19	2	16	0	19	0	6	4			9	8	16	9	491	496
20-Jun	0	0	2	51	63	34	4	35	4	8	6			23	19	106	36	496	512
21-Jun	3	7	16	32	42	36	23	15	12	10	8			20	19				
22-Jun	3	7	17	18	98	17	26	18	15	14	12			29	22	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		30	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	30	62	77	63	46	41	45	47	38			37	42				
27-Jun	5	14	37	71	82	66	51	50	59	63	49			42	50				
28-Jun	6	17	46	80	84	66	55	59	75	82	62			47	57				
29-Jun	7	22	56	89	85	73	22	73	43	103	75			52	59	44	49	512	529
30-Jun	9	27	14	90	84	30	23	156	94	84	87			45	64	126	160	513	525
1-Jul	10	32	19	96	76	40	68	77	118	137	97			47	70	70	57	509	527
2-Jul	12	37	88	265	81	36	65	71	184	70	168			97	98	278	133	512	528
3-Jul	13	10	133	198	6	30	41	91	147	336	0	0		72	91	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	90			101	105	218	206	525	549
6-Jul	15	48	125	170	121	72	60	77	108	112	80			96	90				
7-Jul	16	50	132	45	113	66	62	3	169	23	70			71	68	69	80	511	525
8-Jul	3	22	52	187	80	97	0	74	92	90	63			69	69	76	95	510	535
9-Jul	10	167	205	44	250	77	81	73	87	83	59			135	103	173	161	508	525
10-Jul		0	23	27	117	14	21									32	30	516	529
11-Jul																			
12-Jul																			
13-Jul																			
14-Jul																			
15-Jul																			
16-Jul																			
17-Jul																			
Mean Stn Index	5	18	49	64	74	41	28	44	55	59	37	0			Total =	2158 (54%)	1868 (46%)	512	530

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.

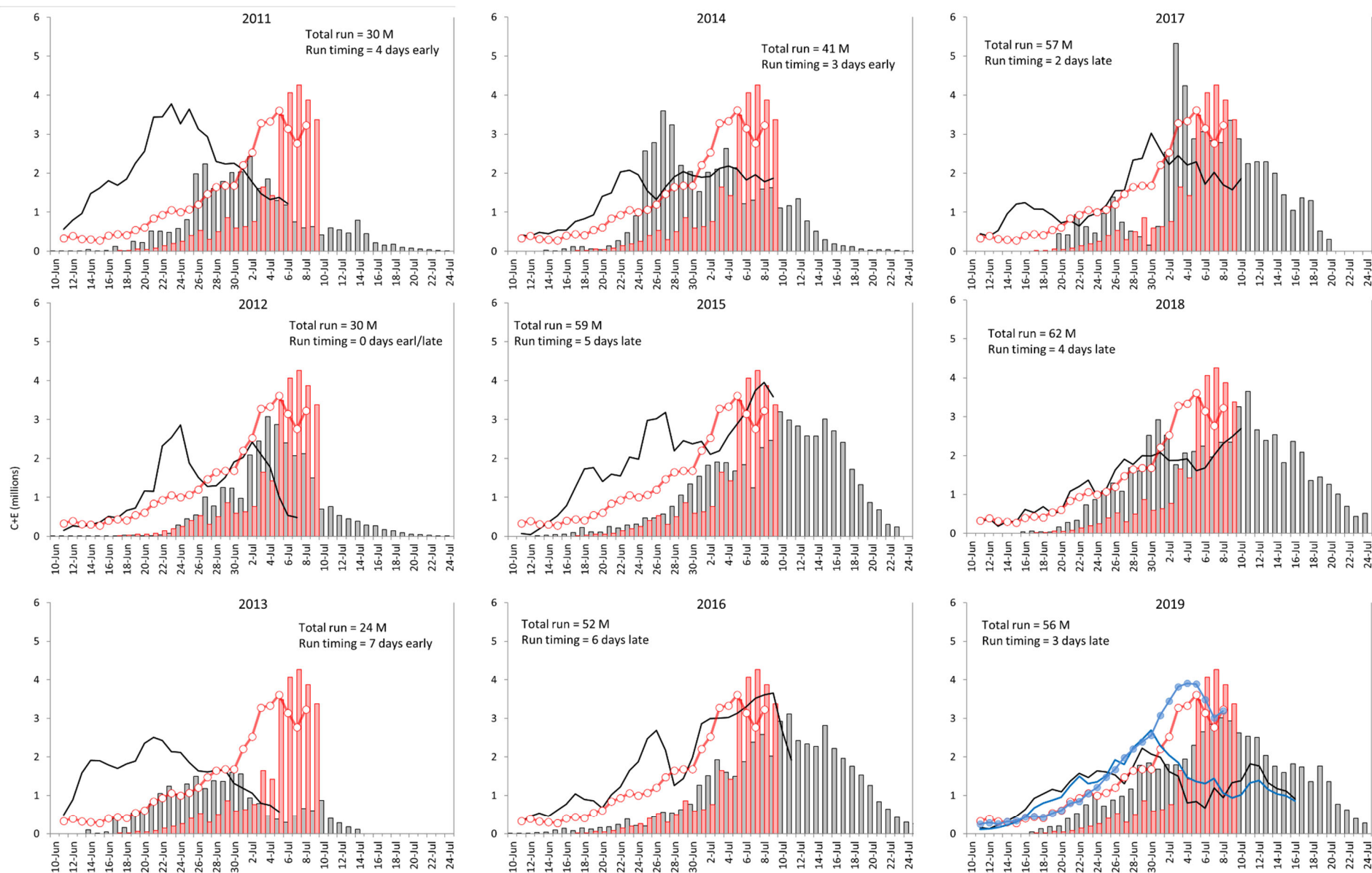


Figure 1. Port Moller daily index and inshore catch + escapement (C+E) for 2011-2020. Gray bars reflect observed C+E for historical years scaled to the left vertical axis; red bars reflect observed C+E for 2020. Black lines are the respective Daily Port Moller Catch Indices for each historical year; 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.

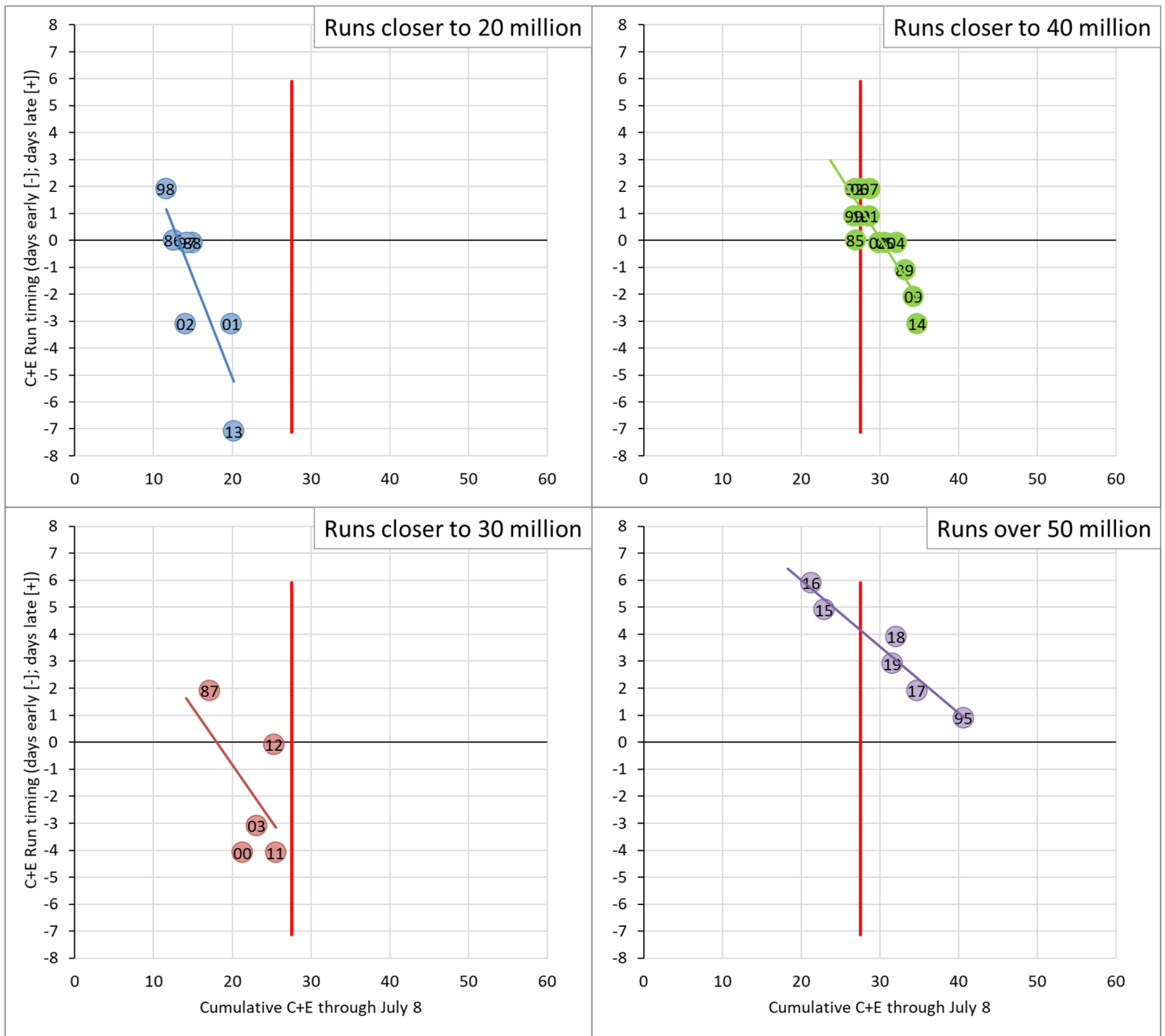


Figure 2. Observed run timing versus cumulative catch + escapement through July 8 in each year from the historical dataset (1985-2019). The red line indicates C+E for 2020 (run timing for this year is not known, but somewhere on this line); each dot indicates what cumulative C+E was through this date, 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.