

Michael Link

From: Scott Raborn <raborn@lgl.com>
Sent: Saturday, June 26, 2021 6:40 PM
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Subject: PMTF Catch Update #16, June 26, 2021
Attachments: PMTF Catch Update #16 June 26 2021.pdf; PortMollerTF_RawData - June 26 2021.pdf

Tonight's catch update.

Test fishery catches are declining for the inner stations, but increasing for the outer stations. This result causes the Daily Catch Index based on Stations 2-10 to diverge from the index covering Stations 2-22. The former suggest the migration rate is declining at Port Moller, while the latter indicates it continues to build. This divergence of indices is important in terms of run timing inference and subsequently run magnitude. The index from the full transect is most likely to reflect the true migration rate and foretells a later/larger run than what catches from Stations 2-10 would suggest. To complicate matters, the large index at Station 2 is an anomaly for this season, but we will refrain from inferring too much from this one data point.

PMTF Stock Composition Status: Genetic samples from June 25 will be in Port Moller this evening and should be in the gene lab late tomorrow. We expect the next stock composition late Monday (June 28).

Summary of today's catch indices as follows:

Index by Station

S2: 70
S4: 4
S6: 27
S8: 23
S10: 106
S12: 168
S14: 31
S16: 148
S18: 242
S20: 0
S22: 0

Scott and Michael

Port Moller Test Fishery: Catch Update #16, 26 June 2021.

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					
	S2	S4	S6	S8	S10	S12	S14	S16	S18	S20	S22	S24	(Stns 2-10)	(Stns 2-22)	4½" mesh	5½" mesh	4½" mesh	5½" mesh	
10-Jun	1	3	7	9	8	5	2	1	1	1	1	-	6	4					
11-Jun	0	4	4	17	12	6	3	2	1	1	1	-	7	5	9	3	509	475	
12-Jun	0	6	0	28	17	8	5	3	2	1	1	-	10	6	13	8	480	499	
13-Jun	9	2	58	55	21	0	10	3	7	4	2	-	29	16	68	22	482	498	
14-Jun	2	4	4	2	148	2	0	0	6	0	5	-	32	16	69	27	478	525	
15-Jun	2	7	24	94	52	4	0	0	0	0	0	-	36	17	21	53	479	495	
16-Jun	0	0	0	0	117	62	21	12	9	6	4	-	23	21	34	65	474	514	
17-Jun	2	10	0	64	154	0	77	32	24	15	6	-	46	35	127	103	491	503	
18-Jun	19	0	21	58	50	63	41	21	37	36	10	-	30	32	83	94	493	515	
19-Jun	7	5	41	5	389	173	50	33	26	2	2	4	90	67	296	153	489	498	
20-Jun	0	0	104	252	201	86	21	8	34	0	4	-	111	65	216	149	479	498	
21-Jun	0	7	52	3	21	2	45	13	93	38	28	-	16	27	76	79	499	520	
22-Jun	0	26	89	94	112	76	160	120	69	110	6	-	64	78	222	169	488	515	
23-Jun	9	18	36	66	100	123	128	114	81	42	16	-	46	67					
24-Jun	12	20	34	57	88	119	137	129	90	44	16	-	42	68					
25-Jun	2	0	18	19	96	146	84	183	114	42	14	-	27	65	190	154	492	518	
26-Jun	70	4	27	23	106	168	31	148	242	0	0	-	46	74	262	108	500	523	
27-Jun																			
28-Jun																			
29-Jun																			
30-Jun																			
1-Jul																			
2-Jul																			
3-Jul																			
4-Jul																			
Mean Stn Index	8	7	31	50	100	61	48	48	49	20	7	4	Total =		1686 (59%)	1187 (41%)	489	510	

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.

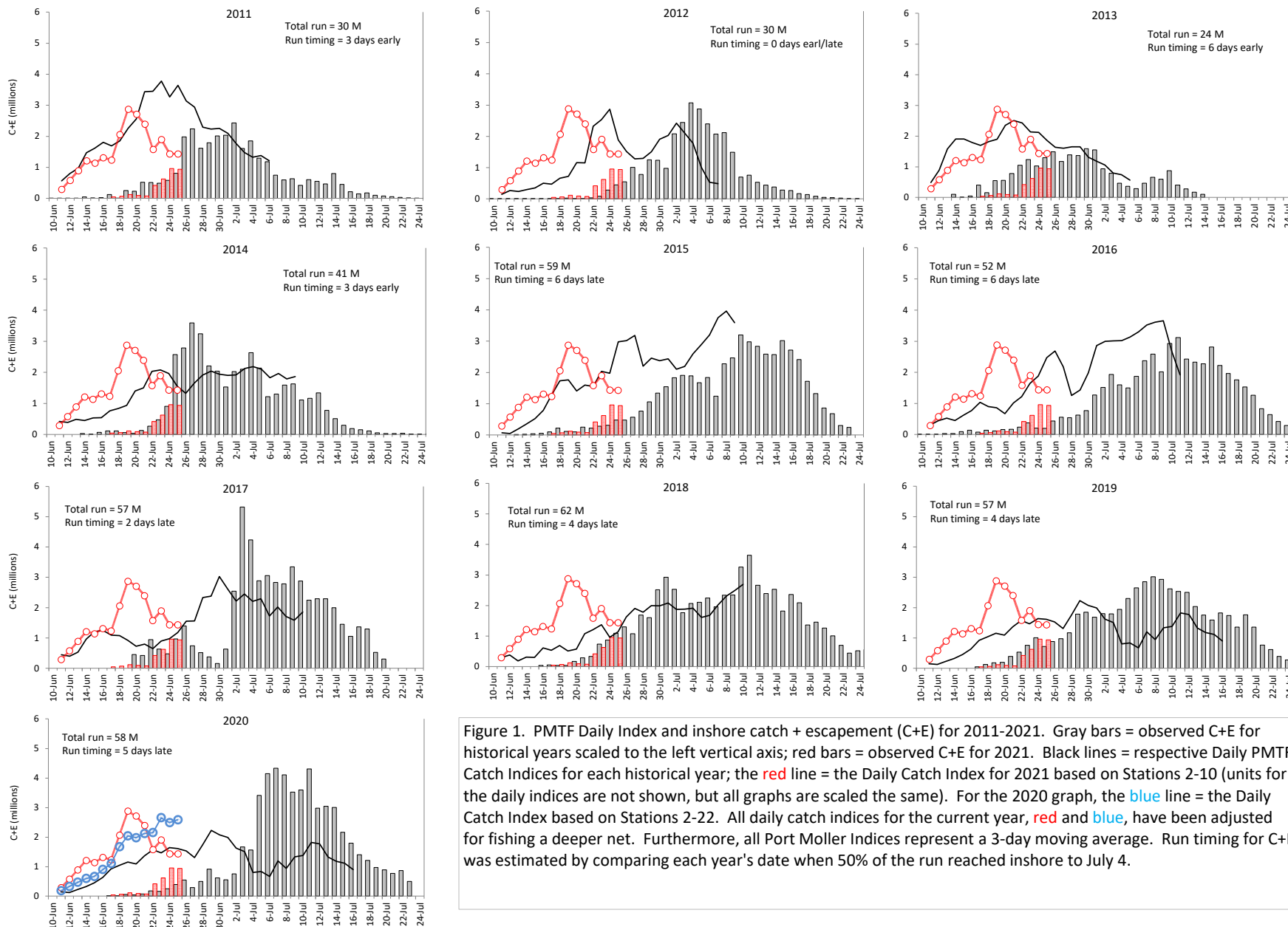


Figure 1. PMTF Daily Index and inshore catch + escapement (C+E) for 2011-2021. Gray bars = observed C+E for historical years scaled to the left vertical axis; red bars = observed C+E for 2021. Black lines = respective Daily PMTF Catch Indices for each historical year; the red line = the Daily Catch Index for 2021 based on Stations 2-10 (units for the daily indices are not shown, but all graphs are scaled the same). For the 2020 graph, the blue line = the Daily Catch Index 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 July 4.