

Scott Raborn

From: Scott Raborn
Sent: Friday, July 7, 2023 7:42 PM
To: Jordan Head
Cc: Michael Link
Subject: PMTF Catch Update #27 July 7, 2023
Attachments: PMTF Catch Update #27 July 7 2023.pdf; PMTF_RawData - July 7 2023.pdf

Attached is tonight's update.

The Daily Catch Index was down from yesterday indicating that the passage rate at Port Moller has fallen off. Our best guess is that at least half the run is left to show inshore.

PMTF Stock Composition Status: Timing for release of the 11th stock composition (July 6-7) should be tomorrow.

Index by Station

S2: 5
S4: 21
S6: 133
S8: 64
S10: 46
S12: 14
S14: 49
S16: 0
S18: 0
S20: 0
S22: 67

Mean Daily Index = 36

Scott, Jordan, and Michael

Port Moller Test Fishery: Catch Update #27, 7 July 2023.

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 Avg. Indices Across Stations (Stns 2-22)	Raw catches		Mean Length (mm)			
	S2	S4	S6	S8	S10	S12	S14	S16	S18	S20	S22	S24		4½" mesh	5½" mesh	4½" mesh	5½" mesh		
10-Jun	0	0	1	2	3	3	2	1	1	0	0	0	1	0	0	0	0	0	0
11-Jun	0	1	3	4	5	4	3	2	0	0	0	0	2	0	0	0	0	0	0
12-Jun	0	4	7	8	6	6	4	2	9	0	0	0	4	0	0	0	0	0	0
13-Jun	2	2	8	5	16	30	0	0	0	0	0	0	6	0	0	0	0	0	0
14-Jun	4	0	18	17	124	0	5	0	2	0	0	0	15	0	0	0	0	0	0
15-Jun	0	41	84	2	0	0	2	0	0	0	0	0	12	0	0	0	0	0	0
16-Jun	0	99	20	76	46	19	7	0	0	0	1	0	24	0	0	0	0	0	0
17-Jun	9	115	0	2	6	0	2	0	4	1	0	0	13	0	0	0	0	0	0
18-Jun	0	45	0	82	156	0	0	0	13	0	0	0	27	0	0	0	0	0	0
19-Jun	0	265	282	227	158	139	0	0	0	1	0	0	97	0	0	0	0	0	0
20-Jun	0	62	62	75	22	0	5	2	0	1	1	0	21	0	0	0	0	0	0
21-Jun	0	62	290	60	23	0	0	0	7	1	1	0	40	0	0	0	0	0	0
22-Jun	0	47	10	88	16	2	0	0	0	1	1	0	15	0	0	0	0	0	0
23-Jun	0	162	69	103	108	162	0	5	2	0	8	2	56	0	0	0	0	0	0
24-Jun	2	223	100	216	25	132	6	0	8	0	8	2	65	0	0	0	0	0	0
25-Jun	23	111	151	128	53	45	0	23	7	2	0	1	49	0	0	0	0	0	0
26-Jun	0	251	166	16	66	43	12	5	0	0	2	1	51	0	0	0	0	0	0
27-Jun	5	123	124	39	175	44	58	0	0	3	2	1	52	0	0	0	0	0	0
28-Jun	0	305	292	159	53	57	47	0	0	3	2	2	83	0	0	0	0	0	0
29-Jun	0	214	143	209	306	145	47	5	0	0	3	2	97	0	0	0	0	0	0
30-Jun	0	34	284	243	71	94	126	10	14	5	4	2	80	0	0	0	0	0	0
1-Jul	7	51	163	229	179	97	43	20	11	7	5	3	74	0	0	0	0	0	0
2-Jul	5	62	193	133	263	9	5	0	0	10	7	4	62	0	0	0	0	0	0
3-Jul	0	19	166	217	269	72	0	43	5	66	58	15	83	0	0	0	0	0	0
4-Jul	0	46	35	48	93	75	40	26	22	19	12	6	38	0	0	0	0	0	0
5-Jul	4	0	35	47	11	35	77	36	2	23	0	7	25	0	0	0	0	0	0
6-Jul	0	0	111	128	210	118	21	64	0	8	17	8	62	0	0	0	0	0	0
7-Jul	5	21	133	64	46	14	49	0	0	0	67	8	36	0	0	0	0	0	0
8-Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10-Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Stn Index	2	84	105	94	90	48	20	9	4	5	7	2	Total =	2943 (48%)	3218 (52%)	533	548		

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 2011-2023. Gray area curve = observed C+E for historical years scaled to the left vertical axis; red columns = observed C+E for 2023. Black lines = respective Daily PMTF Catch Indices for each historical year; the red line = a 3-day moving average of the Daily Catch Index for 2023 based on Stations 2-22 (units for the daily indices are not shown, but all graphs are scaled the same). The green line shown for the 2022 panel reflects the 2022 Daily Catch Index without a moving average. Catch Indices for years prior to 2018 represent the average catch-per-unit-effort (CPUE) across Stations 2-10. Furthermore, a shallower net (6 m deep) was used during 2011-2019; beginning in 2020 the net depth has been 11 m deep. Run timing for C+E was estimated by comparing each year's date when 50% of the run reached inshore to July 4. Blue vertical lines highlight July 4 for reference.

