

Scott Raborn

From: Scott Raborn
Sent: Tuesday, July 4, 2023 3:33 PM
To: Jordan Head
Cc: Michael Link
Subject: PMTF Catch Update #24 July 4, 2023
Attachments: PMTF Catch Update #24 July 4 2023.pdf; PMTF_RawData - July 4 2023.pdf

Attached is tonight's update.

The R/V Miss Leona was able to set at Stations 2-10 today despite poor weather. The outer stations were unfishable. Tomorrow's weather forecast looks better.

"Fishable weather" does not necessarily equate to ideal weather for fishing of course, and catch indices from today may be down because of poor weather. We expect catches at Port Moller to start declining, but today's fishing conditions complicates that signal.

PMTF Stock Composition Status: Timing for release of the 10th stock composition (July 3-5) could be released July 6.

Index by Station

S2: 0
S4: 46
S6: 35
S8: 48
S10: 93

Mean Daily Index = 42

Scott, Jordan, and Michael

Port Moller Test Fishery: Catch Update #24, 4 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	1	1	3	4	5	4	3	2	1	1	0	0	2	0	0	513	538
11-Jun	1	2	4	7	8	6	4	2	0	0	0	0	3	0	0	531	540
12-Jun	0	4	7	10	6	8	4	2	9	0	0	0	5	9	9	523	546
13-Jun	2	2	8	5	16	30	0	0	0	0	1	0	6	9	25	529	544
14-Jun	4	0	18	17	124	0	5	0	2	0	0	0	15	53	39	531	540
15-Jun	0	41	84	2	0	0	2	0	0	0	1	0	12	18	54	523	546
16-Jun	0	99	20	61	40	17	5	0	0	1	0	0	22	41	30	516	550
17-Jun	9	115	0	2	6	0	2	0	4	1	1	1	13	8	71	519	548
18-Jun	0	45	0	82	156	0	0	0	13	0	1	1	27	138	39	540	546
19-Jun	0	265	282	227	158	139	0	0	0	1	1	1	97	298	364	527	551
20-Jun	0	62	62	75	22	0	5	2	0	1	1	1	21	32	74	530	546
21-Jun	0	62	290	60	23	0	0	0	7	2	1	1	40	101	167	530	549
22-Jun	0	47	10	88	16	2	0	0	0	2	2	1	15	30	50	523	554
23-Jun	0	162	69	103	108	162	0	5	2	0	8	2	56	151	141	536	541
24-Jun	2	223	100	216	25	132	6	0	8	0	8	2	65	125	257	539	546
25-Jun	23	111	151	128	53	45	0	23	7	2	0	3	49	156	132	537	552
26-Jun	0	251	166	16	66	43	12	5	0	0	4	4	51	148	153	536	556
27-Jun	5	123	124	39	175	44	58	0	0	4	4	5	52	146	111	533	547
28-Jun	0	305	292	159	53	57	47	0	0	5	6	7	84	174	283	527	550
29-Jun	0	214	143	209	306	145	47	5	0	0	7	9	98	293	222	533	551
30-Jun	0	34	284	243	71	94	126	10	14	8	10	13	81	230	175	532	547
1-Jul	12	68	195	219	153	90	41	17	10	11	15	20	76				
2-Jul	9	62	193	133	263	9	5	0	0	15	22	29	65	185	196	534	549
3-Jul	0	19	166	217	269	72	0	43	5	66	58	15	83	227	224	530	549
4-Jul	0	46	35	48	93	74	43	27	23	29	41	54	42	59	44	532	546
5-Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10-Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Stn Index	3	95	108	95	89	47	17	6	4	6	8	7	Total =	2631 (48%)	2860 (52%)	532	549

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.

