

## Scott Raborn

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**From:** Scott Raborn  
**Sent:** Monday, July 10, 2023 12:35 PM  
**To:** Jordan Head  
**Cc:** Michael Link  
**Subject:** PMTF Catch Update #29 July 9, 2023  
**Attachments:** PMTF Catch Update #29 July 9 2023.pdf; PMTF\_RawData - July 9 2023.pdf

Attached is yesterday's catch update. Rough weather limited fishing, but the crews were able to get a few sets in. The weather is better today, and we should get full coverage of the transect. So far today, catches at Stations 8-14 continue to be down.

We suspect the effect of weather on sampling this season has hindered our ability to interpret Port Moller catch indices. Basically, the larger vessels used for the current program have allowed us to fish in conditions that historically would not have been fishable. Interpreting the magnitude of catch indices produced from such effort is arduous at best. Nevertheless, these samples provided a steady flow of stock and age composition estimates. While accurately forecasting the timing and magnitude of daily catch plus escapement from Port Moller continues to be evasive, age and stock composition estimates have proved reliable. These results alone justify sampling with two vessels capable of staying on and covering the full transect.

**PMTF Stock Composition Status:** Not enough genetic samples were collected on July 8-9 to allow for a stock composition estimate. The boats are fishing away from each other today, and we will reevaluate once the vessels meet up tomorrow.

### Index by Station

S4: 2  
S6: 21  
S8: 19  
S10: 76  
S12: Not fished  
S14: Not fished  
S16: Not fished  
S18: 0

Mean Daily Index = 18

Scott, Jordan, and Michael

**Port Moller Test Fishery: Catch Update #29, 9 July 2023.**

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 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	1	2	3	4	4	3	2	1	1	0	0	2					
11-Jun	0	2	4	6	6	5	4	3	0	0	0	0	3		0	0		
12-Jun	0	4	7	10	6	7	5	3	9	0	0	0	5		9	9	513	538
13-Jun	2	2	8	5	16	30	0	0	0	0	0	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	0	0	12		18	54	523	546
16-Jun	0	99	20	72	40	18	7	0	0	1	0	0	23		41	30	516	550
17-Jun	9	115	0	2	6	0	2	0	4	0	0	0	13		8	71	519	548
18-Jun	0	45	0	82	156	0	0	0	13	0	0	0	27		138	39	540	546
19-Jun	0	265	282	227	158	139	0	0	0	1	0	0	97		298	364	527	551
20-Jun	0	62	62	75	22	0	5	2	0	1	1	0	21		32	74	530	546
21-Jun	0	62	290	60	23	0	0	0	7	1	1	1	40		101	167	530	549
22-Jun	0	47	10	88	16	2	0	0	0	1	1	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	1	49		156	132	537	552
26-Jun	0	251	166	16	66	43	12	5	0	0	1	1	51		148	153	536	556
27-Jun	5	123	124	39	175	44	58	0	0	3	2	1	52		146	111	533	547
28-Jun	0	305	292	159	53	57	47	0	0	3	2	1	83		174	283	527	550
29-Jun	0	214	143	209	306	145	47	5	0	0	3	1	97		293	222	533	551
30-Jun	0	34	284	243	71	94	126	10	14	6	4	2	81		230	175	532	547
1-Jul	8	56	177	236	170	89	43	22	13	9	6	3	75					
2-Jul	5	62	193	133	263	9	5	0	0	13	8	5	63		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	76	45	31	24	20	13	7	39		59	44	532	546
5-Jul	4	0	35	47	11	35	77	36	2	23	0	7	25		44	88	537	547
6-Jul	0	0	111	128	210	118	21	64	0	8	12	6	61		152	187	535	547
7-Jul	5	21	133	64	46	14	49	0	0	0	67	4	36		116	83	540	543
8-Jul	1	9	28	66	62	34	2	82	2	0	0	3	26		44	36	524	545
9-Jul	1	2	21	19	76	32	21	15	0	9	5	2	18		29	50	541	543
10-Jul	-	-	-	31	46	32	0	-	-	-	-	-						
11-Jul	-	-	-	-	-	-	-	-	-	-	-	-						
12-Jul	-	-	-	-	-	-	-	-	-	-	-	-						
13-Jul	-	-	-	-	-	-	-	-	-	-	-	-						
14-Jul	-	-	-	-	-	-	-	-	-	-	-	-						
Mean Stn Index	2	79	100	89	86	46	19	12	4	6	7	2	Total =	3016 (48%)	3304 (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 2023 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. Blue vertical lines highlight July 4 for reference.

