

Scott Raborn

From: Scott Raborn
Sent: Sunday, July 2, 2023 10:28 PM
To: Jordan Head
Cc: Michael Link
Subject: PMTF Catch Update #22 July 2, 2023
Attachments: PMTF Catch Update #22 July 2 2023.pdf; PMTF_RawData - July 2 2023.pdf

Attached is tonight's update, as well as the most recent set of age composition estimates released by ADF&G.

Rough weather today, but the crews were able to cover Stations 4-18. Tomorrow looks okay for now.

PMTF Stock Composition Status: Timing for release of the 9th stock composition (July 2) could be late tomorrow.

Index by Station

S4: 62
S6: 193
S8: 133
S10: 263
S12: 9
S14: 5
S16: 0
S18: 0

Mean Daily Index = 63

Scott, Jordan, and Michael

Port Moller Test Fishery: Catch Update #22, 2 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 | 5 | 6 | 5 | 3 | 2 | 1 | 1 | 0 | 0 | 3 | | | | |
| 11-Jun | 1 | 2 | 5 | 7 | 9 | 7 | 4 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | | |
| 12-Jun | 0 | 4 | 7 | 11 | 6 | 9 | 5 | 2 | 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 | 1 | 0 | 12 | 18 | 54 | 523 | 546 |
| 16-Jun | 0 | 99 | 20 | 53 | 38 | 18 | 5 | 0 | 0 | 1 | 0 | 0 | 21 | 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 | 2 | 1 | 1 | 98 | 298 | 364 | 527 | 551 |
| 20-Jun | 0 | 62 | 62 | 75 | 22 | 0 | 5 | 2 | 0 | 2 | 2 | 1 | 21 | 32 | 74 | 530 | 546 |
| 21-Jun | 0 | 62 | 290 | 60 | 23 | 0 | 0 | 0 | 7 | 2 | 2 | 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 | 1 | 49 | 156 | 132 | 537 | 552 |
| 26-Jun | 0 | 251 | 166 | 16 | 66 | 43 | 12 | 5 | 0 | 0 | 2 | 1 | 51 | 148 | 153 | 536 | 556 |
| 27-Jun | 5 | 123 | 124 | 39 | 175 | 44 | 58 | 0 | 0 | 2 | 2 | 1 | 52 | 146 | 111 | 533 | 547 |
| 28-Jun | 0 | 305 | 292 | 159 | 53 | 57 | 47 | 0 | 0 | 2 | 1 | 1 | 83 | 174 | 283 | 527 | 550 |
| 29-Jun | 0 | 214 | 143 | 209 | 306 | 145 | 47 | 5 | 0 | 0 | 1 | 1 | 97 | 293 | 222 | 533 | 551 |
| 30-Jun | 0 | 34 | 284 | 243 | 71 | 94 | 126 | 10 | 14 | 2 | 1 | 1 | 80 | 230 | 175 | 532 | 547 |
| 1-Jul | 22 | 78 | 184 | 212 | 154 | 84 | 33 | 10 | 4 | 2 | 1 | 1 | 71 | | | | |
| 2-Jul | 21 | 62 | 193 | 133 | 263 | 9 | 5 | 0 | 0 | 2 | 1 | 1 | 63 | 185 | 196 | 534 | 549 |
| 3-Jul | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| 4-Jul | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| 5-Jul | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| 6-Jul | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| 7-Jul | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| 8-Jul | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| 9-Jul | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| 10-Jul | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| 11-Jul | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| 12-Jul | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| 13-Jul | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| 14-Jul | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Mean Stn Index | 4 | 100 | 108 | 91 | 81 | 45 | 16 | 3 | 3 | 1 | 2 | 1 | Total = | 2345 (47%) | 2592 (53%) | 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.

