

Michael Link

From: Michael Link
Sent: Monday, June 14, 2021 8:55 PM
To: Michael Link
Cc: 'Dr. Scott Raborn (raborn@lgl.com)'
Subject: PMTF Catch Update #4, June 14, 2021
Attachments: PMTF Catch Update #4 June 14 2021.pdf

Here is tonight's catch update. Strong SE winds overnight and through a good part of the day.

Index by Stn

S2: Not fished
S4: 4
S6: 4
S8: 2
S10: 148 (not typo)
S12: 2
S14: 0
S16: 0
S18: 6
S20: 0
S22: 5

These sets are about 30 minutes long so to get an estimate of the raw catch (fish) by station from the index value (units of fish per hour), divide the index by 2.

That is a big index at Station 10 for this date. However, a single large index at one station, especially on a day with the other stations producing such small indexes is something to be cautious about reading much in to. It is consistent with strong showing at S6 and S8 yesterday and a strong southerly today pushing and stacking that band of fish. So it adds confidence to yesterday's result. However, we need to see this replicated in a few successive days and/or at other stations to say much. Also, to make conclusions about S10 results more tenuous, we had a salmon shark around the net at S10 today. The crew agrees with me that the shark likely affected the fish behavior and net effectiveness there.

Michael

Port Moller Test Fishery: Catch Update #4, 14 June 2021.

Date	Daily Catch Index by Station (Est. catch from the 200 fathom net if it had fished for 1 hr)												Raw catches		Mean Length (mm)	
	S2	S4	S6	S8	S10	S12	S14	S16	S18	S20	S22	S24	4½" mesh	5⅝" mesh	4½" mesh	5⅝" mesh
10-Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Jun	0	4	4	17	-	-	-	-	-	-	-	-	9	3	509	475
12-Jun	0	6	0	28	-	8	-	-	-	-	-	-	13	8	480	499
13-Jun	9	2	58	55	21	0	10	3	7	4	-	-	68	22	482	498
14-Jun	-	4	4	2	148	2	0	0	6	0	5	-	69	27	478	525
15-Jun																
16-Jun																
17-Jun																
18-Jun																
19-Jun																
20-Jun																
21-Jun																
22-Jun																
23-Jun																
24-Jun																
25-Jun																
26-Jun																
27-Jun																
28-Jun																
29-Jun																
30-Jun																
1-Jul																
2-Jul																
3-Jul																
4-Jul																
Mean Stn Index	3	4	16	26	84	3	5	1	7	2			159 (73%)	60 (27%)	482	509

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.