

## Scott Raborn

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**From:** Scott Raborn  
**Sent:** Tuesday, June 20, 2023 8:53 PM  
**To:** Jordan Head  
**Cc:** Michael Link  
**Subject:** PMTF Catch Update #11, June 20, 2023  
**Attachments:** PMTF Catch Update #11 June 20 2023.pdf; PMTF\_RawData - June 20 2023.pdf; PMTF\_WeightLengthRelationships\_20June2023.pdf

Attached is tonight's update.

The Daily Catch Index fell off quite a bit today. However, the crews reported calm seas and very clear weather. They also reported, albeit qualitatively, more fish towards the bottom of the net. It may very well be that the passage rate did not fall as dramatically as the data would indicate, but rather fish are passing beneath the net, and catchability was simply lower as compared to yesterday.

Also attached is a figure with weight-length relationships updated through today. The two mesh sizes yielded similar results. Combining all data, the average weight of a Sockeye caught in the test fishery thus far was ~5.6 lbs.

**PMTF Stock Composition Status:** The boats have transferred and are currently processing genetics samples. The 3<sup>rd</sup> stock composition should be released tomorrow.

### Index by Station

S2: 0  
S4: 62  
S6: 62  
S8: 75  
S10: 22  
S12: 0  
S14: 5  
S16: 2  
S18: 0

Mean Daily Index = 21

Scott and Jordan

**Port Moller Test Fishery: Catch Update #11, 20 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	1	2	3	5	6	5	3	2	1	0	0	0	2				
11-Jun	1	3	5	7	9	6	4	2	0	0	0	0	3	0	0		
12-Jun	0	4	7	11	6	8	4	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	0	0	12	18	54	523	546
16-Jun	0	99	20	49	38	16	5	0	0	0	1	0	21	41	30	516	550
17-Jun	9	115	0	2	6	0	2	0	4	1	0	0	13	8	71	519	548
18-Jun	0	45	0	82	156	0	0	0	13	0	1	0	27	138	39	540	546
19-Jun	0	265	282	227	158	139	0	0	0	1	1	0	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	-	-	-	-	-	-	-	-	-	-	-	-					
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	-	-	-	-	-	-	-	-	-	-	-	-					
5-Jul	-	-	-	-	-	-	-	-	-	-	-	-					
6-Jul	-	-	-	-	-	-	-	-	-	-	-	-					
7-Jul	-	-	-	-	-	-	-	-	-	-	-	-					
8-Jul	-	-	-	-	-	-	-	-	-	-	-	-					
9-Jul	-	-	-	-	-	-	-	-	-	-	-	-					
10-Jul	-	-	-	-	-	-	-	-	-	-	-	-					
11-Jul	-	-	-	-	-	-	-	-	-	-	-	-					
12-Jul	-	-	-	-	-	-	-	-	-	-	-	-					
13-Jul	-	-	-	-	-	-	-	-	-	-	-	-					
14-Jul	-	-	-	-	-	-	-	-	-	-	-	-					
Mean Stn Index	2	58	44	44	49	19	3	1	3	0	0	0	Total =	606 (46%)	705 (54%)	529	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. Weight-length relationships based on data from the PMTF through June 20, 2023. The left panel shows these relationships by mesh size; the right panel pools all data. Red arrows indicate the average size of a Sockeye caught at the PMTF thus far (~5.6 lbs).

