

## Michael Link

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**From:** Scott Raborn <raborn@lgl.com>  
**Sent:** Friday, July 2, 2021 8:04 PM  
**To:** Michael Link  
**Cc:** Scott Raborn  
**Subject:** PMTF Catch Update #22, July 22, 2021  
**Attachments:** PMTF Catch Update #22 July 2 2021.pdf; PortMollerTF\_RawData - July 2 2021.pdf

Tonight's catch update.

The Daily Catch Index fell today and seems to follow a declining trend since the highest index of the year on June 29. However, interpolating catch indices for June 30 and July 1, when no fishing occurred, is difficult at best. Did the Daily Catch Index peak on either of these two days? As an example, the record catches in the Nushagak District for June 30 and July 1 line up with the missed Port Moller days of June 23-24 given a seven day travel time. These interpolated test catches for June 23-24 seem underestimated. Alternately, did fish from days prior just stack up for a few days before entering the District? We cannot not know what we did not observe, and no amount of modeling can fix that.

Odds are against the run being early, but whether it is on time or a few days late remains confounded. Disentangling these possibilities means the difference of 10 million Sockeye or better added to the total run. A single day's result does not always portend the next few. Test fishery catches from the next day or two will be helpful in solidifying whether things are winding down at Port Moller, and if so by how much.

PMTF Stock Composition Status: Genetic samples from July 2-3 should be in Port Moller tomorrow evening. We will know more about shipping and lab logistics tomorrow.

Summary of today's catch indices as follows:

### Index by Station

S2: 0  
S4: 28  
S6: 4  
S8: 272  
S10: 69  
S12: 37  
S14: 41  
S16: 0  
S18: 0  
S20: 13

Scott and Michael

**Port Moller Test Fishery: Catch Update #22, 2 July 2021.**

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		Raw catches		Mean Length (mm)		
	S2	S4	S6	S8	S10	S12	S14	S16	S18	S20	S22	S24	Best for comparison w/ prev years	Best for assessing entry pattern this year	4½" mesh	5½" mesh	4½" mesh	5½" mesh	
													(Stns 2-10)	(Stns 2-22)					
10-Jun	1	3	7	10	8	4	2	1	1	1	1	-	6	4					
11-Jun	0	4	4	17	12	6	3	2	1	1	1	-	7	5	9	3	509	475	
12-Jun	0	6	0	28	17	8	4	2	2	1	1	-	10	6	13	8	480	499	
13-Jun	9	2	58	55	21	0	10	3	7	4	2	-	29	16	68	22	482	498	
14-Jun	2	4	4	2	148	2	0	0	6	0	5	-	32	16	69	27	478	525	
15-Jun	2	7	23	94	52	4	0	0	0	0	0	-	36	17	21	53	479	495	
16-Jun	0	0	0	0	117	62	22	12	9	7	4	-	23	21	34	65	474	514	
17-Jun	2	10	0	64	154	0	77	32	24	15	6	-	46	35	127	103	491	503	
18-Jun	19	0	21	58	50	63	41	21	37	36	10	-	30	32	83	94	493	515	
19-Jun	7	5	41	5	389	173	50	33	26	2	2	4	90	67	296	153	489	498	
20-Jun	0	0	104	252	201	86	21	8	34	0	4	-	111	65	216	149	479	498	
21-Jun	0	7	52	3	21	2	45	13	93	38	28	-	16	27	76	79	499	520	
22-Jun	0	26	89	94	112	76	160	120	69	110	6	-	64	78	222	169	488	515	
23-Jun	8	18	39	74	110	125	119	105	83	49	22	-	50	68					
24-Jun	9	19	39	73	110	130	130	120	96	56	23	-	50	73					
25-Jun	2	0	18	19	96	146	84	183	114	58	23	-	27	68	190	154	492	518	
26-Jun	70	4	27	23	106	168	31	148	242	0	0	-	46	74	262	108	500	523	
27-Jun	0	0	2	192	393	148	53	222	45	52	18	-	117	102	333	378	498	511	
28-Jun	18	9	37	186	30	19	89	36	144	30	0	-	56	54	146	133	504	516	
29-Jun	11	24	55	90	461	335	52	62	53	54	11	-	128	110	407	208	498	509	
30-Jun	11	24	56	118	167	140	85	50	32	19	8	-	75	65	0	0			
1-Jul	10	22	54	113	151	113	59	32	20	13	6	-	70	54	0	0			
2-Jul	0	28	4	272	69	37	41	0	0	13	5	-	75	43	97	105	428	515	
3-Jul																			
4-Jul																			
Mean Stn Index	8	10	32	80	130	80	51	52	49	24	8	4			Total =	2669 (57%)	2011 (43%)	490	511

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 2011-2021. Gray bars = observed C+E for historical years scaled to the left vertical axis; red bars = observed C+E for 2021. Black lines = respective Daily PMTF Catch Indices for each historical year; the red line = the Daily Catch Index for 2021 based on Stations 2-10 (units for the daily indices are not shown, but all graphs are scaled the same). For the 2020 graph, the blue line = the Daily Catch Index based on Stations 2-22. All daily catch indices for the current year, red and blue, have been adjusted for fishing a deeper net. Furthermore, all Port Moller Indices represent a 3-day moving average. Run timing for C+E was estimated by comparing each year's date when 50% of the run reached inshore to July 4.