

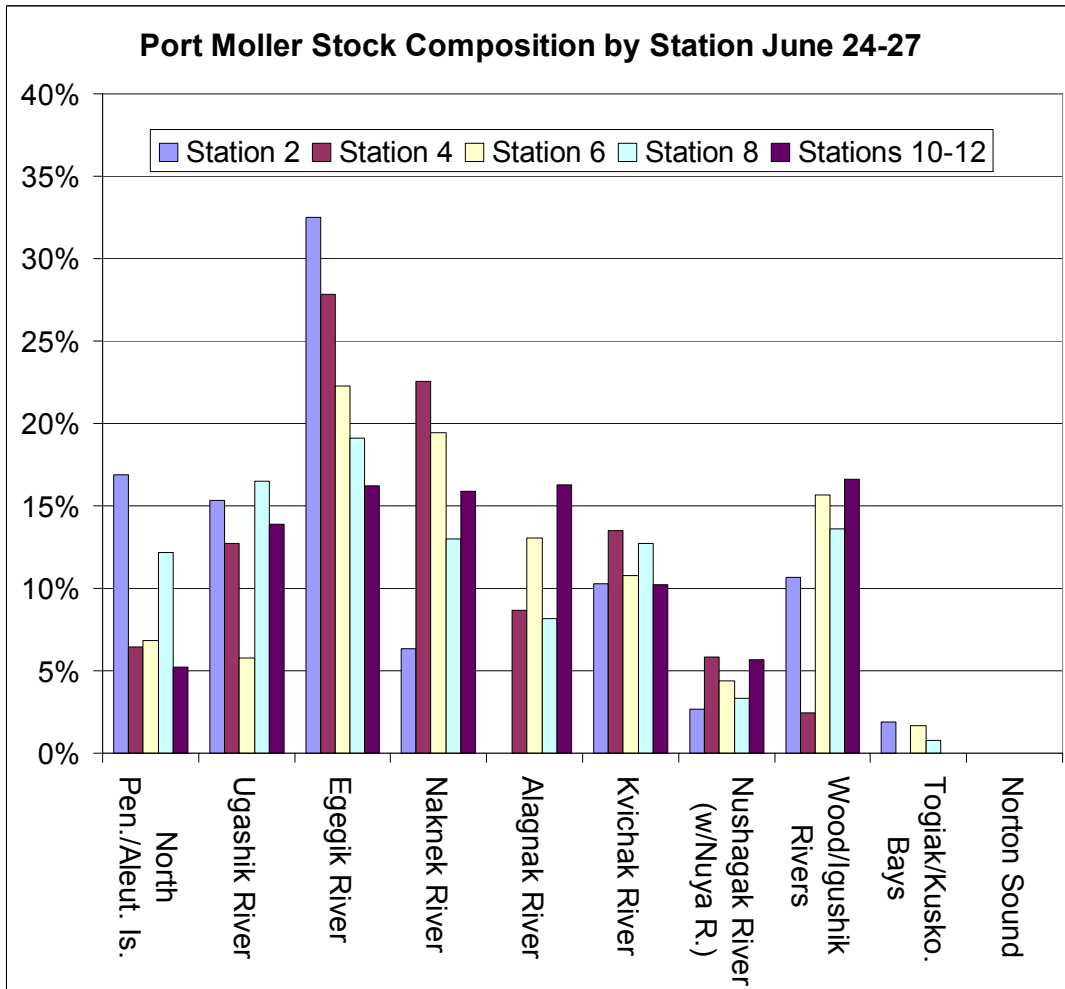
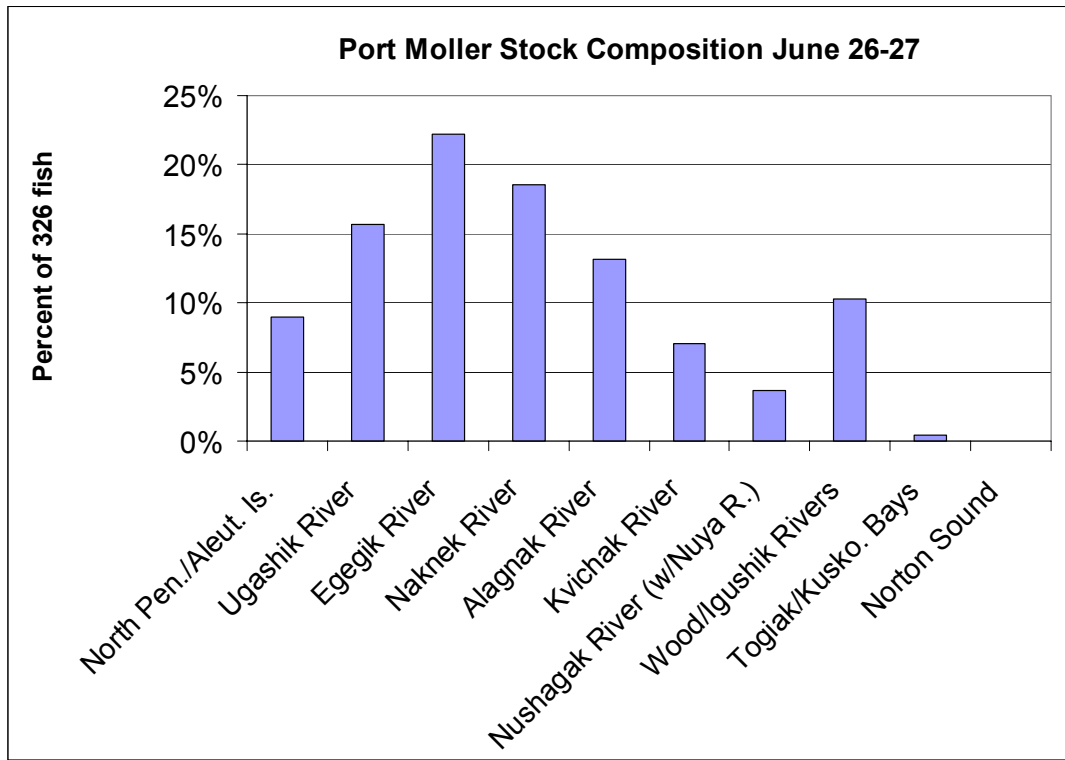
Port Moller Test Fishery, Update #21, July 3, 2005.**Daily Summary, Port Moller sockeye test fishery, 2005.**

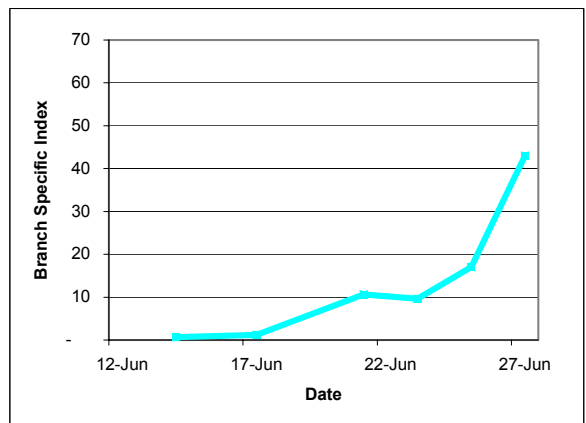
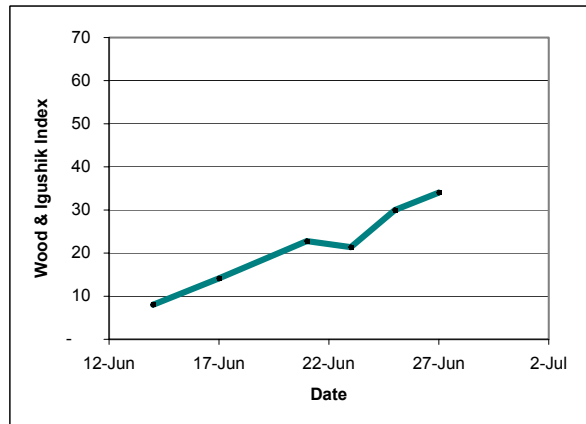
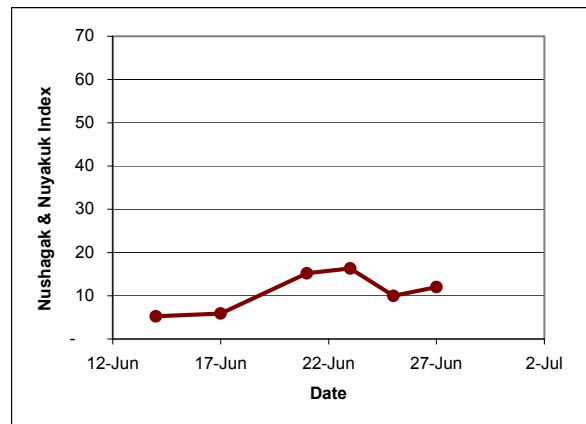
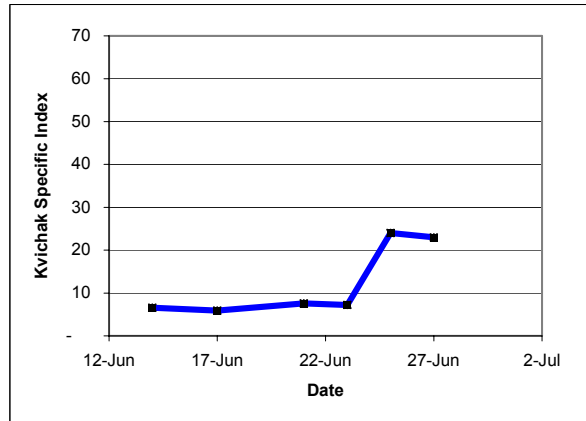
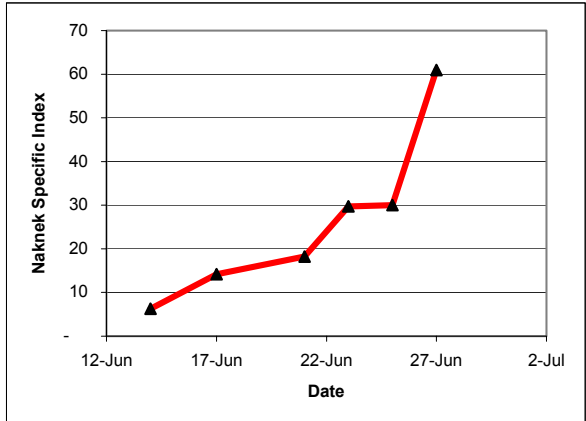
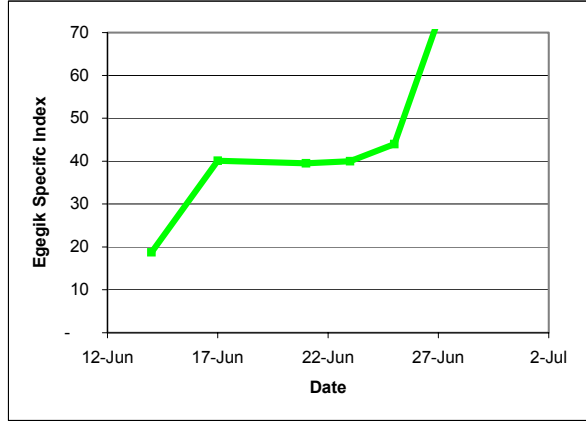
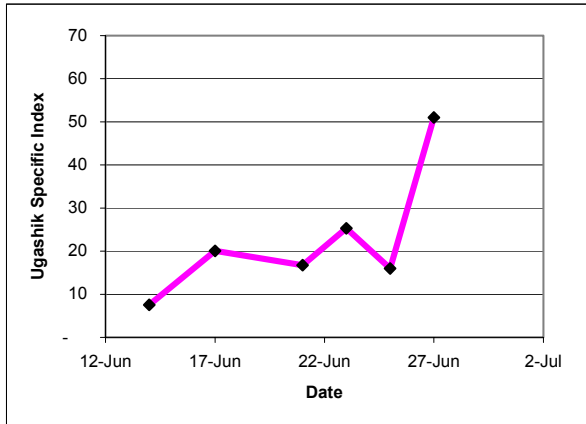
Date	Sockeye Catch by Station						Avg fish length (mm) ^a	Avg. Temp (°C)	Traditional Index ^b		Comments
	2	4	6	8	10	12			Daily	Cum.	
9-Jun	1	1	0	2	0	-	580				
10 Jun ^d	-	-	5	5	9	-	580	9.4	6		Stn 8&10 fished twice (stn avgs shown)
11-Jun	6	-	-	-	-	-	568	8.0	13	13	Cum. starts; short day - training on 10th
12-Jun	-	-	-	-	-	-		8.0	13	27	No fishing; strong westerly wind
13-Jun	2	0	0	5	10	-	566	9.8	5	32	Calm to light NW winds
14-Jun	-	1	9	41	-	-	552	9.0	42	73	Variable winds. Troubles at stn 10.
15-Jun	4	10	13	31	13	1	559	10.5	39	112	Clear, light SE wind on transect
16 Jun ^e	-	-	-	-	-	43	555	10.0	39	151	Technical difficulties at stn 12.
17-Jun	-	-	-	-	-	-			40	191	Repairs in port; index from interpolation
18-Jun	-	-	-	-	-	-			42	233	Repairs in port
19-Jun	-	-	-	-	-	-			44	277	Repairs in port
20-Jun	-	1	67	23	11	26	564	8.0	45	322	Overcast, wind SE 20
21 Jun ^f	-	-	-	14	2	19	566	8.0	21	343	Technical difficulties.
22 Jun ^g	-	57	45	25	20	14	553	8.0	87	430	Broken overcast, wind NW10
23-Jun	5	61	58	29	10	-	558	8.3	79	509	Overcast, wind SE 20
24-Jun	9	63	84	26	42	36	555	8.1	88	597	Broken overcast, wind SE 20
25-Jun	86	64	38	38	40	29	562	9.0	102	699	Ocast, some rain, wind W10
26-Jun	15	21	185	80	44	-	558	9.9	132	831	Mostly clear, light variable winds
27-Jun	5	91	127	138	56	-	559	10.5	195	1,026	Clear, warm, light NW winds
28-Jun	22	71	124	49	-	-	568	10.0	123	1,149	Ocast, NW 25, marginal conditions
29-Jun	61	79	92	51	-	-	570	10.0	136	1,285	late:clear w fog patches, light var. wind
30-Jun	46	84	25	19	13	9	561	9.9	78	1,363	Ocast, fog, SW 20.
1-Jul	79	127	40	31	40	-	565	10.0	127	1,490	
2-Jul	35	35					0		0	1,490	
Totals	376	766	912	607	310	177					
Percent ^c	13	26	31	20	10						

*See last page of update for footnotes.

The crew planned to fish stations 2 through 10 yesterday. They would have fished into the early hours of this morning and we haven't heard from them since about 10pm last night. They had 35 sockeye at each of station 2 and 4 up to that point. I had hoped to hear from them by now and waited off on sending out an update. I may send another update out later today with the completed index and catch data for yesterday. The genetic results from June 26-27 are available below. (This genetic sample was from the peak of the run at PM.)

The first figure below shows the composition of the June 26-27 catch, which total 326 fish taken from all the stations. The second figure shows the stock composition by station for the period June 24-27. Although some of the stock-specific patterns across the stations held up during this period, it is a little less dramatic than it was for the June 20-23 sample. The third figure shows the stock specific indices up to June 27th (calculated as the percent composition by period multiplied by the period specific total index).





Footnotes for the Daily Summary table:

- ^a To put the *average for the entire catch* into perspective, 3-ocean fish typically range from 560 to 580 and 2-ocean fish from 500 to 530 mm (length measured from middle of the eye to the fork of the tail).
- ^b Traditional index based on stations 2,4,6, and 8 (stn 8 weighted double, stn 10 not used).
- ^c Percent of the boat's cumulative sockeye catch for stations 2-10 by station.
- ^d As part of training new crew, stations 8 and 10 were fished twice. Catches were 0&10 and 13&5 for stns 8 and 10.
- ^e There were actually 141 fish caught at station 12 over a ~3-hour soak. The 43 fish represents the catch per average soak time, which is ~54 min. This was done to not exaggerate the size of the 141 fish catch relative to other sets.
- ^f The daily index is based on station 8 and a recent average of stns 2,4,6 as a percent of stn 8.
- ^g Daily index is based on an estimate of station 2 index = station 4 index on same date (& using stnd method in footnote b).

This year's Port Moller project is being managed and staffed by the Bristol Bay Science and Research Institute. Including the genetics analysis, the out-of-pocket cost of the project is about \$150,000. The project was funded by ADF&G (60%), 10 processing companies (25%) and BBSRI (15%).

The PM vessels sets a 200 fathom 5 1/8" mesh net for about one hour at each station. Station 2 is the nearshore station and is 33 nm offshore from PM; the remaining stations fished are 10 nm apart. Station 10 is 73 nm offshore. Station 12 is 83 nm and station 14 is 93 nm offshore from PM. They typically fish stations on the way out on day one, spend the night offshore and fish the same stations on the way back on day two of a two-day trip.

Greg Buck manages the Port Moller test fishery program. Technicians Zachary Babb and Demitri Gust conduct the sampling on the *F/V Deliverance* and BBSRI's Executive Director Michael Link prepares project updates. These updates are provided by BBSRI as a public service to fishermen and processors. Although none of this would have been possible without the help of ADF&G personnel and funding, the interpretations contained in these updates are not "official" ADF&G interpretations of any of the Port Moller test fishery data.

Fred West (ADF&G) manages the scale ageing operation in King Salmon and provides timely summaries of age composition from the Port Moller catch. Chris Habicht (ADF&G) manages the genetic stock identification component of the project and he works with Dr. Jim Seeb (ADF&G) to analyze the genetics data. Dr. John Clark (ADF&G's chief fishery scientist) was instrumental in the doubling of the ADF&G funding contribution to the PM test fishery program this year.