

RC 119

"Small mesh is more effective at catching large fish than large mesh is at excluding small fish."

This statement summarizes our reasoning for supporting proposal 65. A 4/3/4 mesh restriction will not exclude Nushagak bound sockeye in favor of Wood River sockeye.

Proposed Stations 11 Nushagak 5713 Mesh 5713

2014 Port Moller Test Fishery: Daily Catch Update

Raw catch\* of sockeye by station and mesh size

Date	2		4		6		8		10		12		Totals		Daily Rep Index	Daily Trad Index	Weather	
	4%	5%	4%	5%	4%	5%	4%	5%	4%	5%	4%	5%	4%	5%				
10-Jun	3	66	1	57	4	58	3	12	61	27	2	53	6	18	41	12	49	Overcast; winds ~10 kt from W; seas 2-3'
11-Jun	0	56	2	4	58	0	5	58	3	17	62	2	31	6	7	4	4	Overcast; winds ~10 kt from S; seas 2-3'
12-Jun	1	59	5	0	61	4	1	61	4	1	62	10	3	26	6	16	4	Overcast; winds ~5-15, variable; seas 2-4'
13-Jun	0	59	6	4	57	12	2	58	14	5	59	3	14	35	10	27	27	Overcast; W winds ~20 kt; seas 4-5'
14-Jun	21	61	2	1	54	6	3	59	7	9	60	3	42	25	14	24	24	Pending
15-Jun	1	59	0	1	59	1	1	59	0	0	58	0	6	11	3	1	1	Overcast; NW winds 5-25 kt; seas 1-6'
16-Jun	0	58	0	5	61	1	15	57	13	5	60	12	1	45	15	31	31	Overcast; W winds ~30 kt; seas 9'
17-Jun															19	46	46	SW winds 30 kt; seas 11'; small craft advis.
18-Jun															22	53	53	W winds 20 kt, diminishing; seas 10'
19-Jun															25	60	60	Partly cloudy; NW winds, light; seas 1-2'
20-Jun	0	52	1	13	60	3	22	61	12	7	62	25	9	50	20	51	51	Overcast; NW winds 10 kts; seas 2'
21-Jun	0	59	2	21	61	32	18	56	16	1	57	5	4	125	44	102	102	Overcast; NW winds 15-20; seas 3-5'
22-Jun	8	58	2	40	60	37	40	34	29	61	38	19	63	61	26	49	49	Overcast; W winds 0-15 kt; seas 2-4'
23-Jun	0	59	0	43	61	37	40	34	29	61	38	19	63	131	52	115	115	Partly sunny; E winds 3-7 kts; seas 1'
24-Jun	11	60	7	31	60	31	59	29	34	27	5	37	5	112	47	118	118	Partly cloudy; E winds 7-25 kts; seas 2-5'
25-Jun	4	60	2	0	55	0	1	59	0	0	58	0	3	34	57	19	82	Partly cloudy; NW winds 2-17 kts; seas 1-4'
26-Jun	1	60	5	13	59	15	26	45	22	5	35	12	Missed.	34	57	19	82	Overcast; seas 2-3'
27-Jun															27	54	54	Overcast; W winds 10 kts; seas 2-3'
28-Jun	7	65	1	0	58	9	34	62	25	40	61	27	61	118	38	62	62	Not yet reported
29-Jun	0	58	2	36	60	17	24	60	24	33	61	19	35	84	94	46	90	Overcast; Winds light; var; seas 1'
30-Jun	10	61	16	15	59	10	7	59	12	30	62	14	10	72	85	31	52	Overcast; NE winds 2 kts; calm seas
1-Jul	0	57	0	20	61	33	14	61	45	25	57	17	29	88	117	41	90	Overcast; winds light, variable; calm seas
2-Jul	0	61	14	35	65	41	24	63	27	16	59	17	18	93	129	43	90	Overcast; winds light, variable; calm seas
3-Jul	0	58	2	26	63	27	20	60	28	35	59	27	26	106	121	44	112	Not yet reported
4-Jul	2	59	2	42	62	30	35	63	56	20	60	28	7	107	114	44	105	Partly cloudy; winds light; seas 1'
5-Jul	2	62	0	25	59	1	17	60	29	24	63	39	62	107	86	38	83	Not yet reported
6-Jul	3	60	4	6	58	11	18	59	22	12	60	26	23	62	75	28	72	Partly cloudy; winds light; seas 1-2'
7-Jul	18	61	5	32	59	3	35	60	25	46	63	52	11	142	123	52	106	Partly cloudy; NW winds 15 kts; seas 2-3'
8-Jul	9	62	23	2	56	11	4	58	15	17	61	28	10	43	93	27	84	Partly cloudy, NW winds 15 kts; seas 2-3'
9-Jul	5	25	0	11	21	14	4	19	1	9	21	1	16	29	16	32	39	
10-Jul	112	104	417	393	481	553	518	567	355	367				1500	1591		39	
Totals														3091				

\*Raw catch = number of fish caught in 100 démons of each mesh size. Adding two meshes together yields actual catch at each station from the entire replacement net. FT = fishing time of each set (minutes).

Average sockeye length by station and mesh size

Date	2		4		6		8		10		12		Weighted means		Cum Rep Index	Cum Trad Index	Water temperature (°C) by station	Transect mean
	4%	5%	4%	5%	4%	5%	4%	5%	4%	5%	4%	5%	2	4				
10-Jun	552	534	479	563	512	484	543	488	549	496	543	12	49	8.0	8.4	7.0	8.2	8.0
11-Jun	489	576	482	479	560	518	573	481	524	501	556	19	53	8.3	8.4	8.5	7.9	8.2
12-Jun	532	536	581	528	539	570	560	528	528	544	542	25	69	8.1	8.1	8.2	7.7	8.4
13-Jun	516	507	521	507	544	531	577	536	536	544	539	35	96	8.4	8.3	8.5	8.3	8.2
14-Jun	486	526	450	514	574	532	495	528	517	575	514	540	49	119	8.1	8.1	8.3	8.1
15-Jun														120	83	8.4	7.9	7.8
16-Jun														86	151	8.5	8.4	7.9
17-Jun														108	197			
18-Jun														133	250			
19-Jun														135	310			
20-Jun														153	362			
21-Jun														197	464			
22-Jun														223	513			
23-Jun														274	628			
24-Jun														322	746			
25-Jun														340	829			
26-Jun														367	883			
27-Jun														407	967			
28-Jun														445	1029			
29-Jun														490	1119			
30-Jun														532	1183			
1-Jul														528	1236			
2-Jul														528	1326			
3-Jul														531	1415			
4-Jul														533	1450			
5-Jul														533	1522			
6-Jul														532	1632			
7-Jul														536	1716			
8-Jul														532	1788			
9-Jul														534	1889			
10-Jul														525	1977			
Weighted means														532	2016			
														518	532			
														525				

Length is measured as mid-eye-fork-length (MEFL) in mm; to put things into perspective, mean MEFL for ocean-age 2 fish=504 mm, 3-ocean=571 mm.

Proposed to in Regards to Katherine Caracaller Submitted by: RS- Josie Jenkins-Brito