

Submitted By :

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In response
to proposal
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RC 130

APPENDIX A: STOCK COMPOSITIONS AND STOCK-SPECIFIC HARVEST ESTIMATES OF CHINOOK SALMON HARVESTED IN THE EASTSIDE SET GILLNET FISHERY, 2010, 2011, 2013, AND 2014

Note: Kenai Tributary Kings in the Kasilot ~~area~~^{section} harvested 2 large King in 4 years, zero in 3 years.

Note: In the periods after the 25th in the Kasilot section reporting dates include the first week of July (6-9). Board should review harvest of Kings from the 27rd to first of July³¹

Appendix A1.—Stock compositions and stock-specific harvest estimates of Chinook salmon harvested in the Eastside set gillnet fishery, including mean and 90% credibility intervals (CI), stratified by size (large and small) for each temporal and geographic stratum and for the entire season, Upper Cook Inlet, Alaska, 2010.

Stratum		Size	Reporting group	Stock composition			Stock-specific harvest		
Area	Period			Mean	90% CI		Harvest	90% CI	
				5%	95%		5%	95%	
Kasilof Section	27 Jun– 7 Jul	Large	Kenai R. tributaries	0.00	0.00	0.01	2	0	11
			Kenai R. mainstem	0.11	0.05	0.18	98	43	164
			Kasilof R. mainstem	0.04	0.01	0.10	40	5	87
			Cook Inlet other	0.01	0.00	0.03	5	0	24
	Small	Kenai R. tributaries	0.00	0.00	0.02	4	0	21	
		Kenai R. mainstem	0.57	0.43	0.69	505	380	615	
		Kasilof R. mainstem	0.25	0.15	0.38	226	132	337	
		Cook Inlet other	0.01	0.00	0.05	9	0	48	
Kasilof Section	8–31 Jul	Large	Kenai R. tributaries	0.01	0.00	0.03	14	0	68
			Kenai R. mainstem	0.22	0.13	0.31	574	348	820
			Kasilof R. mainstem	0.39	0.30	0.49	1,048	801	1,305
			Cook Inlet other	0.02	0.00	0.05	46	0	140
	Small	Kenai R. tributaries	0.00	0.00	0.02	10	0	56	
		Kenai R. mainstem	0.16	0.09	0.24	420	244	628	
		Kasilof R. mainstem	0.20	0.13	0.28	528	344	745	
		Cook Inlet other	0.01	0.00	0.04	22	0	98	
Kenai–East Foreland sections	8–31 Jul	Large	Kenai R. tributaries	0.00	0.00	0.03	12	0	60
			Kenai R. mainstem	0.46	0.38	0.55	1,084	886	1,280
			Kasilof R. mainstem	0.01	0.00	0.05	29	0	117
			Cook Inlet other	0.00	0.00	0.02	8	0	44
	Small	Kenai R. tributaries	0.01	0.00	0.04	16	0	88	
		Kenai R. mainstem	0.49	0.40	0.57	1,144	932	1,344	
		Kasilof R. mainstem	0.01	0.00	0.06	35	0	131	
		Cook Inlet other	0.01	0.00	0.03	14	0	81	
All Sections	2–12 Aug	Large	Kenai R. tributaries	0.01	0.00	0.06	15	0	73
			Kenai R. mainstem	0.55	0.37	0.71	640	431	824
			Kasilof R. mainstem	0.30	0.17	0.46	354	195	540
			Cook Inlet other	0.03	0.00	0.14	36	0	163
	Small	Kenai R. tributaries	0.00	0.00	0.02	4	0	21	
		Kenai R. mainstem	0.06	0.01	0.12	69	17	138	
		Kasilof R. mainstem	0.04	0.00	0.09	42	3	105	
		Cook Inlet other	0.00	0.00	0.02	5	0	24	

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Appendix A2.—Stock compositions and stock-specific harvest estimates of Chinook salmon harvested in the Eastside set gillnet fishery, including mean and 90% credibility intervals (CI), stratified by size (large and small) for each temporal and geographic stratum and for the entire season, Upper Cook Inlet, Alaska, 2011.

Stratum				Stock composition			Stock-specific harvest		
Area	Period	Size	Reporting group	Mean	90% CI		Harvest	90% CI	
					5%	95%		5%	95%
Kasilof Section	25 Jun– 9 Jul	Large	Kenai R. tributaries	0.00	0.00	0.00	0	0	0
			Kenai R. mainstem	0.30	0.22	0.38	463	340	590
			Kasilof R. mainstem	0.11	0.05	0.19	176	83	285
			Cook Inlet other	0.00	0.00	0.00	0	0	0
	Small	Kenai R. tributaries	0.00	0.00	0.00	0	0	0	
		Kenai R. mainstem	0.44	0.35	0.53	679	542	816	
		Kasilof R. mainstem	0.14	0.07	0.21	216	114	321	
		Cook Inlet other	0.00	0.00	0.00	1	0	0	
Kasilof Section	11–31 Jul	Large	Kenai R. tributaries	0.00	0.00	0.00	1	0	1
			Kenai R. mainstem	0.27	0.18	0.36	835	561	1,128
			Kasilof R. mainstem	0.30	0.21	0.39	917	654	1,208
			Cook Inlet other	0.00	0.00	0.00	2	0	4
	Small	Kenai R. tributaries	0.00	0.00	0.00	2	0	1	
		Kenai R. mainstem	0.21	0.13	0.29	641	410	902	
		Kasilof R. mainstem	0.23	0.15	0.31	703	453	966	
		Cook Inlet other	0.00	0.00	0.00	1	0	3	
Kenai–East Foreland sections	9–23 Jul	Large	Kenai R. tributaries	0.00	0.00	0.00	1	0	0
			Kenai R. mainstem	0.41	0.32	0.50	869	675	1,070
			Kasilof R. mainstem	0.00	0.00	0.00	1	0	2
			Cook Inlet other	0.00	0.00	0.00	0	0	0
	Small	Kenai R. tributaries	0.00	0.00	0.00	1	0	1	
		Kenai R. mainstem	0.59	0.50	0.68	1,270	1,069	1,463	
		Kasilof R. mainstem	0.00	0.00	0.00	1	0	2	
		Cook Inlet other	0.00	0.00	0.00	1	0	0	
All Sections	1–7 Aug	Large	Kenai R. tributaries	0.00	0.00	0.00	2	0	3
			Kenai R. mainstem	0.37	0.20	0.57	341	182	518
			Kasilof R. mainstem	0.33	0.16	0.52	299	142	476
			Cook Inlet other	0.01	0.00	0.05	6	0	46
	Small	Kenai R. tributaries	0.00	0.00	0.00	1	0	1	
		Kenai R. mainstem	0.14	0.03	0.27	128	31	248	
		Kasilof R. mainstem	0.15	0.04	0.29	135	39	262	
		Cook Inlet other	0.00	0.00	0.02	3	0	16	

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Appendix A3.—Stock compositions and stock-specific harvest estimates of Chinook salmon harvested in the Eastside set gillnet fishery, including mean and 90% credibility intervals (CI), stratified by size (large and small) for each temporal and geographic stratum and for the entire season, Upper Cook Inlet, Alaska, 2013.

Stratum		Size	Reporting group	Stock composition			Stock-specific harvest		
Area	Period			Mean	90% CI		Harvest	90% CI	
				5%	95%		5%	95%	
Kasilof Section	27 Jun– 6 Jul	Large	Kenai R. tributaries	0.00	0.00	0.00	0	0	3
			Kenai R. mainstem	0.16	0.03	0.11	65	185	265
	Kasilof R. mainstem		0.03	0.02	0.00	10	21	76	
	Cook Inlet other		0.02	0.01	0.00	8	24	77	
	Small	Kenai R. tributaries	0.00	0.01	0.00	1	0	2	
		Kenai R. mainstem	0.56	0.06	0.46	225	324	447	
		Kasilof R. mainstem	0.11	0.04	0.05	46	9	60	
		Cook Inlet other	0.12	0.04	0.06	49	0	0	
Kasilof Section	8–23 Jul	Large	Kenai R. tributaries	0.00	0.00	0.00	0	0	0
			Kenai R. mainstem	0.20	0.03	0.14	170	126	218
	Kasilof R. mainstem		0.07	0.02	0.04	63	32	100	
	Cook Inlet other		0.00	0.00	0.00	0	0	0	
	Small	Kenai R. tributaries	0.00	0.00	0.00	0	0	1	
		Kenai R. mainstem	0.54	0.05	0.46	470	404	540	
		Kasilof R. mainstem	0.19	0.04	0.13	167	111	226	
		Cook Inlet other	0.00	0.00	0.00	0	0	0	
Kenai–East Foreland sections	8–23 Jul	Large	Kenai R. tributaries	0.00	0.00	0.00	1	0	2
			Kenai R. mainstem	0.28	0.03	0.24	385	324	447
	Kasilof R. mainstem		0.02	0.01	0.01	32	9	60	
	Cook Inlet other		0.00	0.00	0.00	0	0	0	
	Small	Kenai R. tributaries	0.00	0.01	0.00	1	0	3	
		Kenai R. mainstem	0.66	0.03	0.60	889	816	964	
		Kasilof R. mainstem	0.03	0.02	0.01	47	13	90	
		Cook Inlet other	0.00	0.00	0.00	0	0	0	
KRSHA	17 Jul– 2 Aug	Large	Kenai R. tributaries	0.00	0.00	0.00	0	0	0
			Kenai R. mainstem	0.16	0.06	0.29	59	20	104
	Kasilof R. mainstem		0.49	0.35	0.62	174	125	222	
	Cook Inlet other		0.00	0.00	0.00	0	0	0	
	Small	Kenai R. tributaries	0.00	0.00	0.00	0	0	0	
		Kenai R. mainstem	0.08	0.02	0.16	27	5	57	
		Kasilof R. mainstem	0.27	0.18	0.38	97	63	135	
		Cook Inlet other	0.00	0.00	0.00	0	0	0	

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Appendix A4.—Stock compositions and stock-specific harvest estimates of Chinook salmon harvested in the Eastside set gillnet fishery, including mean and 90% credibility intervals (CI), stratified by size (large and small) for each temporal and geographic stratum and for the entire season, Upper Cook Inlet, Alaska, 2014.

Stratum		Size	Reporting group	Stock composition			Stock-specific harvest		
Area	Period			Mean	90% CI		Harvest	90% CI	
				5%	95%		5%	95%	
Kasilof Section	23 Jun–7 Jul	Large	Kenai R. tributaries	0.00	0.00	0.00	0	0	0
			Kenai R. mainstem	0.08	0.04	0.13	38	17	61
			Kasilof R. mainstem	0.03	0.00	0.06	13	1	30
			Cook Inlet other	0.00	0.00	0.01	1	0	6
	Small	Kenai R. tributaries	0.00	0.00	0.00	0	0	0	
		Kenai R. mainstem	0.69	0.56	0.80	323	262	373	
		Kasilof R. mainstem	0.20	0.10	0.32	91	45	150	
		Cook Inlet other	0.00	0.00	0.03	2	0	12	
Kasilof Section	9–23 Jul	Large	Kenai R. tributaries	0.00	0.00	0.00	0	0	0
			Kenai R. mainstem	0.21	0.13	0.30	117	72	166
			Kasilof R. mainstem	0.18	0.10	0.26	99	55	148
			Cook Inlet other	0.00	0.00	0.00	0	0	0
	Small	Kenai R. tributaries	0.00	0.00	0.00	0	0	0	
		Kenai R. mainstem	0.30	0.19	0.40	166	109	223	
		Kasilof R. mainstem	0.32	0.21	0.42	177	120	237	
		Cook Inlet other	0.00	0.00	0.00	0	0	0	
Kenai–East Foreland sections	9–23 Jul	Large	Kenai R. tributaries	0.00	0.00	0.00	0	0	1
			Kenai R. mainstem	0.38	0.29	0.47	162	125	200
			Kasilof R. mainstem	0.01	0.00	0.07	5	0	29
			Cook Inlet other	0.00	0.00	0.00	0	0	0
	Small	Kenai R. tributaries	0.00	0.00	0.00	0	0	1	
		Kenai R. mainstem	0.59	0.50	0.68	254	213	292	
		Kasilof R. mainstem	0.01	0.00	0.07	5	0	29	
		Cook Inlet other	0.00	0.00	0.00	0	0	0	
KRSNA	16 Jul–2 Aug	Large	Kenai R. tributaries	0.00	0.00	0.00	1	0	3
			Kenai R. mainstem	0.12	0.05	0.22	77	28	135
			Kasilof R. mainstem	0.49	0.38	0.60	305	239	374
			Cook Inlet other	0.00	0.00	0.00	0	0	0
	Small	Kenai R. tributaries	0.00	0.00	0.00	1	0	3	
		Kenai R. mainstem	0.08	0.03	0.15	50	18	92	
		Kasilof R. mainstem	0.30	0.23	0.39	190	141	243	
		Cook Inlet other	0.00	0.00	0.00	0	0	0	

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