

Submitted by the Alaska Department of Fish and Game at request of Board Member Jensen. (FEB 2014 - RC 200)

Table 1.-Preliminary stock composition estimates for sockeye salmon commercially harvested in the drift gillnet fishery in non-corridor areas (districtwide, Area 1, etc.) and the expanded corridor (expanded Kenai and expanded Kasilof sections) in the Central District of Upper Cook Inlet, 2011-2013.

Year	Fishery	Reporting Groups ^b						Total
		Kasilof	Kenai	Other	Susitna	Fish	Crescent	
2011	Drift non-corridor	5%	78%	10%	6%	2%	0%	100%
	Drift expanded corridor ^a	6%	78%	8%	7%	2%	0%	100%
2012	Drift non-corridor	5%	83%	5%	6%	1%	0%	100%
	Drift expanded corridor ^a	4%	88%	2%	5%	1%	0%	100%
2013	Drift non-corridor	6%	78%	8%	7%	0%	1%	100%
	Drift expanded corridor ^a	5%	77%	7%	10%	1%	0%	100%

Note: These stock composition proportions were calculated from ADF&G genetic lab reports and preliminary data tables. Stock proportions were adjusted for unsampled harvest in the commercial fishery, and values may not exactly match those found in ADF&G genetic lab reports. Percentages may not sum to 100%.

^a Combined expanded Kenai and Kasilof Sections

^bReporting Groups: 1) Crescent: The largest producer of sockeye salmon on the west side (Crescent R.); 2) Other: includes West (the remaining West Cook Inlet producers) and KTNE: the remaining Knik/Turnagain/Northeast Cook Inlet producers; 3) Susitna: includes JCL (the lakes monitored by weirs in the Susitna River drainage (Judd/Chelatna/Larson lakes) and SusYen (the remaining producers in the Susitna/Yentna rivers); 4) Fish Creek: the major creek monitored in the Knik/Turnagain/Northeast Cook Inlet area; 5) Kenai: the composite of all populations within the Kenai River; and 6) Kasilof: the composite of all populations within the Kasilof River.

Table 2.-Overall catch per unit effort (CPUE), preliminary genetic stock composition estimates (proportion), and standard deviation (SD) by time period for mixtures of sockeye salmon captured in the Northern Cook Inlet Offshore Test Fishery, 2012 and 2013.

Year	Time Period	CPUE	Reporting Groups ^a															
			Crescent		West		JCL		SusYen		Fish		KTNE		Kenai		Kasilof	
			Prop	SD	Prop	SD	Prop	SD	Prop	SD	Prop	SD	Prop	SD	Prop	SD	Prop	SD
2012	1-13 July	666	0.00	0.00	0.13	0.02	0.04	0.01	0.04	0.01	0.01	0.00	0.03	0.01	0.70	0.02	0.05	0.01
	14-16 July	781	0.00	0.00	0.09	0.01	0.08	0.01	0.07	0.01	0.03	0.01	0.01	0.00	0.65	0.02	0.07	0.01
	17-19 July	804	0.00	0.00	0.12	0.01	0.05	0.01	0.03	0.01	0.01	0.00	0.03	0.01	0.71	0.02	0.04	0.01
	20-22 July	748	0.00	0.00	0.06	0.01	0.01	0.01	0.02	0.01	0.00	0.00	0.01	0.01	0.86	0.02	0.03	0.01
	23-25 July	438	0.00	0.00	0.09	0.01	0.03	0.01	0.03	0.01	0.00	0.00	0.02	0.01	0.82	0.02	0.01	0.00
	26-30 July	261	0.00	0.00	0.04	0.01	0.02	0.01	0.02	0.01	0.00	0.00	0.01	0.00	0.88	0.02	0.02	0.01
2013	1-13 July	335	0.00	0.00	0.14	0.02	0.13	0.02	0.08	0.02	0.00	0.00	0.06	0.01	0.55	0.03	0.04	0.01
	14-15 July	1438	0.00	0.00	0.12	0.01	0.09	0.01	0.07	0.01	0.00	0.00	0.03	0.01	0.67	0.02	0.02	0.01
	16-18 July	494	0.00	0.00	0.05	0.01	0.05	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.85	0.02	0.02	0.01
	19-30 July	313	0.00	0.00	0.10	0.02	0.08	0.01	0.03	0.01	0.00	0.00	0.02	0.01	0.75	0.02	0.01	0.01

^a Reporting Groups: 1) Crescent: The largest producer of sockeye salmon on the west side (Crescent R.); 2) West: the remaining West Cook Inlet producers; 3) JCL: the lakes monitored by weirs in the Susitna River drainage (Judd/Chelatna/Larson lakes); 4) SusYen: the remaining producers in the Susitna/Yentna rivers; 5) Fish: the major creek monitored in the Knik/Turnagain/Northeast Cook Inlet area; 6) KTNE: the remaining Knik/Turnagain/Northeast Cook Inlet producers; 7) Kenai: the composite of all populations within the Kenai River; and 8) Kasilof: the composite of all populations within the Kasilof River.

Table 3.-Preliminary stock composition estimates by commercial fishery adjusted for unsampled harvests 2005-2013 (Page 1 of 3).

Year	Fishery	Reporting group ^a						Total
		Kasilof	Kenai	Other	Susitna	Fish Creek	Crescent	
2005	Drift non-corridor	7%	87%	3%	3%	0%	1%	100%
	Kasilof Section set gillnet	55%	44%	0%	1%	0%	0%	100%
	Kenai Section set gillnet	21%	78%	0%	0%	0%	0%	100%
	Other Subdistricts	0%	0%	0%	0%	0%	0%	0%
	Total Harvest	21%	71%	1%	1%	0%	0%	95%
2006	Drift non-corridor	28%	53%	9%	10%	0%	0%	100%
	Kasilof Section set gillnet	83%	15%	2%	0%	0%	0%	100%
	Kasilof Terminal	94%	5%	1%	0%	0%	0%	100%
	Kenai Section set gillnet	22%	78%	0%	0%	0%	0%	100%
	Kalgin Island subdistrict	18%	28%	45%	8%	0%	0%	100%
	Western subdistrict	4%	1%	12%	0%	0%	83%	100%
	Northern District: Eastern	17%	39%	24%	18%	1%	0%	100%
	Northern District: General	0%	0%	0%	100%	0%	0%	100%
	Kustatan subdistrict	0%	0%	100%	0%	0%	0%	100%
	Chinitna Bay	0%	0%	0%	0%	0%	100%	100%
Total Harvest	64%	28%	4%	3%	0%	2%	100%	
2007	Drift non-corridor	16%	65%	7%	11%	0%	1%	100%
	Kasilof Section set gillnet	47%	44%	5%	2%	0%	0%	100%
	Kasilof Terminal	100%	0%	0%	0%	0%	0%	100%
	Kenai Section set gillnet	11%	79%	5%	6%	0%	0%	100%
	Kalgin Island subdistrict	10%	37%	42%	4%	0%	7%	100%
	Western subdistrict	7%	2%	29%	1%	0%	62%	100%
	Northern District: Eastern	5%	58%	20%	14%	1%	3%	100%
	Northern District: General	0%	0%	0%	100%	0%	0%	100%
	Kustatan subdistrict	0%	0%	100%	0%	0%	0%	100%
	Chinitna Bay							
Total Harvest	22%	61%	7%	8%	0%	2%	100%	

Note: These stock composition proportions were calculated from ADF&G genetic lab reports and preliminary data tables. Stock proportions were adjusted for unsampled harvest in the commercial fishery, and values may not exactly match those found in ADF&G genetic lab reports. Percentages may not sum to 100% due to calculation methods.

^aReporting Groups: 1) Crescent: The largest producer of sockeye salmon on the west side (Crescent R.); 2) Other: includes West (the remaining West Cook Inlet producers) and KTNE: the remaining Knik/Turnagain/Northeast Cook Inlet producers; 3) Susitna: includes JCL (the lakes monitored by weirs in the Susitna River drainage (Judd/Chelatna/Larson lakes) and SusYen (the remaining producers in the Susitna/Yentna rivers); 4) Fish: the major creek monitored in the Knik/Turnagain/Northeast Cook Inlet area; 5) Kenai: the composite of all pops within the Kenai River; and 6) Kasilof: the composite of all pops within the Kasilof River.

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Table 3.-Preliminary stock composition estimates by commercial fishery adjusted for unsampled harvests 2005-2013 (Page 2 of 3).

Year	Fishery	Reporting group ^a						Total
		Kasilof	Kenai	Other	Susitna	Fish Creek	Crescent	
2008	Drift non-corridor	34%	47%	6%	12%	0%	1%	100%
	Kasilof Section set gillnet	79%	14%	3%	3%	0%	1%	100%
	Kasilof Terminal	94%	4%	2%	0%	0%	0%	100%
	Kenai Section set gillnet	16%	80%	2%	3%	0%	0%	100%
	Kalgin Island subdistrict	15%	13%	65%	1%	0%	6%	100%
	Western subdistrict	5%	3%	40%	1%	0%	51%	100%
	Northern District: Eastern	11%	20%	43%	22%	4%	0%	100%
	Northern District: General	0%	0%	59%	32%	9%	0%	100%
	Kustatan subdistrict	0%	0%	100%	0%	0%	0%	100%
Total Harvest		49%	37%	6%	6%	0%	1%	100%
2009	Drift non-corridor	16%	59%	13%	9%	2%	1%	100%
	Kasilof Section set gillnet	72%	24%	3%	1%	1%	0%	100%
	Kenai Section set gillnet	18%	74%	4%	2%	2%	0%	100%
	Kalgin Island subdistrict	13%	31%	55%	0%	0%	1%	100%
	Western subdistrict	5%	0%	9%	0%	0%	86%	100%
	Northern District: Eastern	9%	23%	40%	6%	21%	0%	100%
	Northern District: General	0%	1%	56%	26%	18%	0%	100%
	Kustatan subdistrict	0%	0%	100%	0%	0%	0%	100%
	Chinitna Bay	0%	0%	0%	0%	0%	100%	100%
Total Harvest		33%	46%	11%	5%	2%	3%	100%
2010	Drift non-corridor	8%	71%	11%	6%	4%	1%	100%
	Kasilof Section set gillnet	50%	42%	6%	0%	1%	0%	100%
	Kenai Section set gillnet	7%	83%	5%	2%	3%	0%	100%
	Kalgin Island subdistrict	8%	30%	57%	2%	1%	2%	100%
	Western subdistrict	0%	0%	5%	0%	0%	95%	100%
	Northern District: Eastern	1%	23%	45%	8%	23%	0%	100%
	Northern District: General	0%	1%	45%	20%	35%	0%	100%
	Kustatan subdistrict	0%	0%	100%	0%	0%	0%	100%
	Chinitna Bay	0%	0%	0%	0%	0%	100%	100%
Total Harvest		15%	65%	10%	4%	3%	2%	100%

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^aReporting Groups: 1) Crescent: The largest producer of sockeye salmon on the west side (Crescent R.); 2) Other: includes West (the remaining West Cook Inlet producers) and KTNE: the remaining Knik/Turnagain/Northeast Cook Inlet producers; 3) Susitna: includes JCL (the lakes monitored by weirs in the Susitna River drainage (Judd/Chelatna/Larson lakes) and SusYen (the remaining producers in the Susitna/Yentna rivers); 4) Fish: the major creek monitored in the Knik/Turnagain/Northeast Cook Inlet area; 5) Kenai: the composite of all pops within the Kenai River; and 6) Kasilof: the composite of all pops within the Kasilof River.

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Table 3.-Preliminary stock composition estimates by fishery adjusted for unsampled harvests 2005-2013
(Page 3 of 3).

Year	Fishery	Reporting Groups ^a						
		Kasilof	Kenai	Other	Susitna	Fish Creek	Crescent	Total
2011	Drift non-corridor	5%	78%	10%	6%	2%	0%	100%
	Drift expanded corridor	6%	78%	8%	7%	2%	0%	100%
	Kasilof Section set gillnet	29%	68%	2%	1%	1%	0%	100%
	Kenai Section set gillnet	2%	94%	2%	1%	1%	0%	100%
	Kalgin Island subdistrict	6%	46%	46%	2%	0%	0%	100%
	Western subdistrict	0%	1%	12%	0%	0%	87%	100%
	Northern District: Eastern	1%	32%	44%	7%	15%	0%	100%
	Northern District: General	0%	0%	32%	42%	27%	0%	100%
	Kustatan subdistrict	0%	0%	100%	0%	0%	0%	100%
	Chinitna Bay							
	Total Harvest	9%	76%	7%	4%	2%	1%	100%
2012	Drift non-corridor	5%	83%	5%	6%	1%	0%	100%
	Drift expanded corridor	4%	88%	2%	5%	1%	0%	100%
	Kasilof Section set gillnet	57%	37%	4%	1%	0%	0%	100%
	Kenai Section set gillnet	13%	70%	6%	9%	2%	0%	100%
	Kalgin Island subdistrict	5%	50%	42%	1%	0%	1%	100%
	Western subdistrict	0%	2%	25%	0%	0%	72%	100%
	Northern District: Eastern	7%	34%	39%	13%	8%	0%	100%
	Northern District: General	0%	1%	45%	17%	36%	0%	100%
	Kustatan subdistrict							
	Chinitna Bay							
	Total Harvest	5%	81%	6%	6%	1%	1%	100%
2013	Drift non-corridor	6%	78%	8%	7%	0%	1%	100%
	Drift expanded corridor	5%	77%	7%	10%	1%	0%	100%
	Kasilof Section set gillnet	41%	53%	2%	4%	0%	0%	100%
	Kenai Section set gillnet	11%	72%	7%	10%	0%	0%	100%
	Kalgin Island subdistrict	10%	16%	64%	1%	0%	10%	100%
	Western subdistrict	10%	14%	32%	0%	0%	44%	100%
	Northern District: Eastern	2%	13%	68%	11%	6%	0%	100%
	Northern District: General	0%	0%	55%	45%	0%	0%	100%
	Kustatan subdistrict							
	Chinitna Bay							
	Total Harvest	14%	70%	8%	7%	0%	1%	100%

Note: These stock composition proportions were calculated from ADF&G genetic lab reports and preliminary data tables. Stock proportions were adjusted for unsampled harvest in the commercial fishery, and values may not exactly match those found in ADF&G genetic lab reports. Percentages may not sum to 100%.

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