



MEMORANDUM

TO: Bert Lewis, Regional Supervisor *BL* DATE: February 19, 2026
Division of Commercial Fisheries, Central Region

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THROUGH: Sara Gilk-Baumer, Director *SGB*
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FROM: Andy Barclay, Southcentral Project Biologist *AB* SUBJECT: Preliminary 2024 & 2025
Gene Conservation Laboratory
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Upper Cook Inlet
Commercial Fishery Sockeye
Salmon Genetic Stock
Identification Estimates

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The purpose of this memorandum is to inform you of the preliminary results of the mixed-stock analysis (MSA) performed on tissue samples collected from sockeye salmon harvested in the Upper Cook Inlet (UCI) Commercial Fishery in 2024 and 2025. These results add two additional years of estimates to a UCI sockeye salmon genetic stock identification (GSI) dataset that began with the analysis of the 2005 harvest (Barclay et al. 2010a, 2010b, 2013, 2014, 2017, 2018; Barclay 2019, 2020, 2024; Barclay and Chenoweth 2021). The results in this memo are a preliminary summary of what will be reported in greater detail prior to the UCI Alaska Board of Fisheries meeting in February 2027.

This memo includes annual stock-specific harvest estimates by fishing area and overall annual stock-specific harvest estimates for the entire UCI fishery for the following 8 reporting groups identified in Barclay and Habicht (2012):

- (1) *Crescent* (Crescent River populations)
- (2) *West* (West side populations from Harriet Creek north to the Beluga River)
- (3) *JCL* (Susitna and Yentna river populations from Judd, Chelatna, Larson, Mama Bear, and Papa Bear lakes and Talkeetna River sloughs)
- (4) *SusYen* (all other populations from the Susitna and Yentna rivers)

- (5) *Fish* (Fish Creek (Knik Arm) populations)
- (6) *KTNE* (the remaining populations from Knik Arm, Turnagain Arm, and Northeast Cook Inlet)
- (7) *Kenai* (Kenai River populations)
- (8) *Kasilof* (Kasilof River populations)

See Figure 1 for a map of these reporting groups.

Methods

Fishing area and overall UCI stock-specific harvest estimates were calculated by combining estimates among strata using a stratified estimator. Sampling, laboratory, and statistical methods used for the 2024 and 2025 MSAs generally followed those reported in Barclay et al. (2018), except for the program used to estimate stock compositions, which follows the method reported in Barclay (2024). The sampling goals were to collect 16,048 (2024) and 6,600 (2025) tissue samples from the Central District drift, Central District set, and Northern District set gillnet fisheries across statistical weeks 25 to 32 (Table 1). In 2024, the Alaska Board of Fisheries approved the use of dipnets as a legal gear type in the Upper Subdistrict, allowing for harvest when the set gillnet fishery is closed. Sampling goals were not established for this gear type in 2024 or 2025 due to highly variable and uncertain participation and harvest levels. Given these uncertainties, and because the fishery has a high number of catcher-seller operations that limits the ability to obtain representative samples, dedicating resources to sampling is not justified. This fishery will not be sampled next year or in the foreseeable future. See Table 1 for breakdown of the weekly sampling goal for each year and fishing area.

Results

Mixture samples

Genetic tissue samples were collected from 10,436 (2024) and 7,023 (2025) sockeye salmon from commercial catches throughout the UCI Central and Northern Districts (Appendices A1 and A2). No tissue samples were collected from the General Subdistrict - north area (statistical areas 247-41, 42, and 43) in either year because sockeye salmon samplers were fully allocated to sampling harvests on the Kenai Peninsula. For 2024, 7 mixture samples (strata) were constructed for estimating stock compositions and stock-specific harvests of fishing area (area strata) harvests, with a sample size goal of 380 fish per stratum (Table 2). For 2025, the sample size goal was lowered to 190 fish per stratum to align with requirements of the genetics-based inseason stock-allocation model, replacing the age-composition based stock-allocation model used in 2024 (see Tobias and Tarbox 1999). A total of 11 mixture samples (190 fish each) were constructed for estimating stock compositions and stock-specific harvests of fishing area harvests. A total of 2,660 (2024) and 2,164 (2025) samples were genotyped, and 2,636 (2024) and 2,138 (2025) samples were used in the MSA.

For the Central District Drift gillnet harvest in 2024, 4 mixture samples were constructed, with 2 temporal mixtures representing the harvest in state managed waters and 2 temporal mixtures representing the harvest in federally managed waters (i.e., Exclusive Economic Zone; EEZ) (Table 2; Appendix A1). For the 2025 drift gillnet harvest, 8 mixture samples were constructed, with 5 temporal mixtures representing the district-wide harvest (excluding corridor-only periods) and 3 temporal mixtures representing the harvest in corridor-only periods (Table 2; Appendix A2). See Figure 2 for a map of Central District drift gillnet statistical area boundaries.

For the Central District Set gillnet fishery in 2024 and 2025, single mixture samples were constructed to represent the combined harvest for Western, Kustatan, and Kalgin Island subdistricts (Table 2; Appendices A1 and A2) and for the Northern District set gillnet fishery, single mixture samples were constructed to represent harvests in the Eastern Subdistrict, and single mixture samples were constructed to represent harvests in southern portion of the General Subdistrict (General Subdistrict – south) (Table 2; Appendices A1 and A2). See Figure 3 for a map of set gillnet subdistrict boundaries.

These mixture samples represented 97.2% (2024) and 95.2% (2025) of the total UCI commercial fishery sockeye salmon harvest.

Stock-specific Harvest Estimates

Annual stock-specific harvest estimates for area strata can be found in Tables 3 and 4 and Figures 4 and 5. Annual UCI total stock-specific harvest estimates can be found in Table 5 and Figures 4 and 5. Stock composition and stock-specific harvest estimates for the 18 mixture samples will be included in the final report.

References Cited

- Barclay, A. W. 2019. Genetic Stock Composition Estimates for the Upper Cook Inlet Sockeye Salmon Commercial Fishery, 2015-2018. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report No. 5J19-02, Anchorage.
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- Barclay, A. W., C. Habicht, W. Gist, E. L. Chenoweth, and T. M. Willette. 2017. Genetic stock identification of Upper Cook Inlet sockeye salmon harvest, 2012–2013. Alaska Department of Fish and Game, Fishery Data Series No. 17-30, Anchorage.
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Table 1.—Weekly sockeye salmon sampling goals by statistical week for sampling Upper Cook Inlet commercial fishery harvests in 2024 and 2025.

Year	Fishery	Area ¹	Statistical week							Total	
			22 to 25	26	27	28	29	30	31		32
2024	Northern District set gillnet	Eastern Subdistrict	0	48	144	240	288	384	288	288	1,680
	Northern District set gillnet	General Subdistrict - north	0	0	0	144	336	384	336	288	1,488
	Northern District set gillnet	General Subdistrict - south	0	48	144	240	288	384	288	288	1,680
	Central District drift gillnet	State waters only	240	480	720	720	720	720	672	720	4,992
	Central District drift gillnet	Federal waters only (EEZ ¹)	240	720	768	768	472	472	472	424	4,336
	Central District set gillnet	Western, Kustatan, & Kalgin Island subdistricts	240	144	192	240	288	288	240	240	1,872
2024 Total			720	1,440	1,968	2,352	2,392	2,632	2,296	2,248	16,048
2025	Northern District set gillnet	Eastern Subdistrict	0	24	48	96	96	144	96	96	600
	Northern District set gillnet	General Subdistrict - north and south combined	0	24	24	96	144	144	96	96	624
	Central District drift gillnet	Corridor-only periods in SOA waters	24	24	48	480	528	528	336	192	2,160
	Central District drift gillnet	District-wide (excluding corridor-only periods) in both State and Federal (EEZ) waters	24	96	432	528	528	528	288	240	2,664
	Central District set gillnet	Western, Kustatan, & Kalgin Island subdistricts	96	24	48	96	96	96	48	48	552
2025 Total			144	192	600	1,296	1,392	1,440	864	672	6,600

¹ EEZ = Exclusive Economic Zone

Table 2.– Commercial fishery strata (mixtures) for estimating stock compositions and stock-specific harvests for 2024 and 2025, including mixture number, fishery and fishing area represented, sampling dates, harvest dates represented by each mixture, and number of fish genotyped and used in the mixed-stock analysis.

Year	Mixture No.	Fishery	Area	Dates sampled	Dates represented	Harvest represented	Number of fish			
							Genotyped	Used ¹		
2024	24-1	Central District Drift	State	6/20–7/11	6/20–7/14	59,568	380	379		
	24-2		State	7/15–8/11	7/15–8/15	1,300,167	380	375		
	24-3		Federal	6/20–7/11	6/20–7/11	141,743	380	377		
	24-4		Federal	7/15–8/5	7/15–8/15	153,555	380	378		
	24-5		Central District Set (West Cook Inlet)	Western, Kustatan, & Kalgin Island subdistricts	6/3–8/5	6/3–9/2	93,738	380	375	
	24-6		Northern District Set	Eastern Subdistrict	7/4–8/8	7/4–8/8	24,613	380	379	
	24-7		General Subdistrict - south	7/8–8/5	7/4–8/8	13,639	380	373		
						2024 Total	1,787,023	2,660	2,636	
2025	25-1	Central District Drift	District-wide (excluding corridor-only periods)	6/19–7/3	6/19–7/3	107,571	190	188		
	25-2			7/7–7/10	7/7–7/12	260,661	190	178		
	25-3			7/14–7/21	7/14–7/21	772,393	190	186		
	25-4			7/28	7/28	264,282	190	187		
	25-5			8/4–8/14	8/4–8/21	40,820	190	187		
	25-6			corridor-only periods	7/11–7/15	7/4–7/18	656,393	190	190	
	25-7			7/22	7/19–7/23	487,954	264	264		
	25-8			7/24–7/31	7/24–8/1	923,040	190	190		
	25-9			Central District Set (West Cook Inlet)	Western, Kustatan, & Kalgin Island subdistricts	6/12–8/21	6/12–8/21	96,208	190	189
	25-10			Northern District Set	Eastern Subdistrict	7/3–8/14	7/3–8/14	27,034	190	190
	25-11			General Subdistrict - south	7/14–8/4	7/14–8/4	7,321	190	189	
						2025 Total	3,643,677	2,164	2,138	

¹ Samples missing genotypes for 20% or more loci and duplicate samples were removed prior to analysis.

Table 3.– Mean and median stock-specific harvest, standard deviation (SD), and 90% credibility intervals calculated using a stratified estimator for combined strata in the Central District drift gillnet - State (2 temporal strata), drift gillnet - Federal (2 temporal strata), Western, Kustatan, and Kalgin Island subdistricts set gillnet (1 temporal stratum), and Northern District set gillnet (2 spatiotemporal strata) fisheries and based on genetic analysis of mixtures of sockeye salmon harvested in the Upper Cook Inlet in 2024.

Area stratum	Reporting Group	Harvest		90% CI		SD
		Mean	Median	5%	95%	
Central District drift gillnet - State						
	<i>Crescent</i>	12,217	7,216	52	41,537	13,671
	<i>West</i>	181,283	180,498	127,110	238,565	34,108
	<i>JCL</i>	48,309	47,094	27,250	72,932	14,019
	<i>SusYen</i>	33,993	25,677	2,658	93,753	29,032
	<i>Fish</i>	7,062	4,795	2,665	19,898	5,866
	<i>KTNE</i>	13,784	11,316	5,656	29,430	7,807
	<i>Kenai</i>	1,016,060	1,015,942	950,004	1,081,646	40,858
	<i>Kasilof</i>	47,027	46,820	8,088	88,845	25,297
	Harvest represented	1,359,735				
	Harvest unrepresented	0				
	Total Harvest	1,359,735				
Central District drift gillnet - Federal						
	<i>Crescent</i>	5,308	5,089	733	10,745	3,043
	<i>West</i>	42,438	42,197	33,771	51,936	5,541
	<i>JCL</i>	11,955	11,695	8,142	16,354	2,529
	<i>SusYen</i>	18,029	18,027	7,110	28,822	6,634
	<i>Fish</i>	3,790	3,527	1,145	7,359	1,902
	<i>KTNE</i>	8,778	8,316	3,393	15,392	3,708
	<i>Kenai</i>	197,317	197,421	183,434	211,581	8,409
	<i>Kasilof</i>	37,412	37,314	28,587	46,797	5,558
	Harvest represented	325,028				
	Harvest unrepresented	0				
	Total Harvest	325,028				

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Area stratum	Reporting Group	Harvest		90% CI		SD
		Mean	Median	5%	95%	
Central District, Western, Kustatan, and Kalgin Island subdistricts set gillnet						
	<i>Crescent</i>	5,755	5,584	3,171	8,812	1,750
	<i>West</i>	35,380	35,324	30,261	40,938	3,220
	<i>JCL</i>	1,994	1,899	416	4,006	1,085
	<i>SusYen</i>	3,404	3,086	103	7,503	2,322
	<i>Fish</i>	688	234	0	2,451	884
	<i>KTNE</i>	2,576	2,580	0	5,997	2,068
	<i>Kenai</i>	36,039	35,960	30,626	41,718	3,428
	<i>Kasilof</i>	7,904	7,742	4,733	11,302	2,019
	Harvest represented	93,738				
	Harvest unrepresented	0				
	Total Harvest	93,738				
Northern District, Eastern Subdistrict and General Subdistrict - south set gillnet¹						
	<i>Crescent</i>	337	283	0	878	289
	<i>West</i>	6,548	6,398	5,286	8,402	930
	<i>JCL</i>	5,447	5,435	4,640	6,281	506
	<i>SusYen</i>	6,082	6,059	4,554	7,653	933
	<i>Fish</i>	4,847	4,858	3,682	5,960	704
	<i>KTNE</i>	10,176	10,139	8,324	12,175	1,168
	<i>Kenai</i>	3,825	3,795	2,606	5,178	780
	<i>Kasilof</i>	991	987	172	1,875	514
	Harvest represented	38,252				
	Harvest unrepresented	3,798				
	Total Harvest	42,050				

¹ Northern District estimates are only representative of Eastern Subdistrict and General Subdistrict - south harvests.

² Unrepresented Northern District harvest was from the General Subdistrict - north (statistical areas 247-41, 42, and 43).

Table 4.—Mean and median stock-specific harvest, standard deviation (SD), and 90% credibility intervals calculated using a stratified estimator for combined strata in the Central District drift gillnet excluding corridor-only periods (5 temporal strata), drift gillnet corridor-only periods (3 temporal strata), and Western, Kustatan, and Kalgin Island subdistricts set gillnet (1 temporal stratum), and Northern District set gillnet (2 spatiotemporal strata) fisheries and based on genetic analysis of mixtures of sockeye salmon harvested in the Upper Cook Inlet in 2025.

Area stratum	Reporting Group	Harvest		90% CI		SD
		Mean	Median	5%	95%	
Central District drift gillnet (excluding corridor-only periods)						
	<i>Crescent</i>	8,089	6,617	1,894	19,308	5,633
	<i>West</i>	130,375	129,753	104,236	157,917	16,368
	<i>JCL</i>	79,610	78,675	56,680	106,256	15,564
	<i>SusYen</i>	40,645	39,174	20,847	65,974	13,757
	<i>Fish</i>	3,978	3,584	1,528	7,760	2,157
	<i>KTNE</i>	39,316	38,046	22,155	61,129	11,837
	<i>Kenai</i>	1,032,849	1,033,801	984,342	1,077,094	28,655
	<i>Kasilof</i>	110,277	109,473	90,352	132,267	13,446
	Harvest represented	1,445,139				
	Harvest unrepresented	0				
	Total Harvest	1,445,139				
Central District drift gillnet (corridor-only periods)						
	<i>Crescent</i>	2,585	968	2	10,449	3,899
	<i>West</i>	89,158	87,816	61,282	120,969	18,209
	<i>JCL</i>	65,880	63,867	40,374	96,657	17,438
	<i>SusYen</i>	31,599	30,007	13,887	55,017	12,648
	<i>Fish</i>	8,444	7,185	1,747	19,254	5,630
	<i>KTNE</i>	10,877	9,368	797	25,616	7,796
	<i>Kenai</i>	1,806,688	1,808,505	1,753,829	1,856,666	31,244
	<i>Kasilof</i>	61,780	60,593	38,311	87,872	15,482
	Harvest represented ¹	2,077,011				
	Harvest unrepresented	0				
	Total Harvest	2,077,011				

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Area stratum	Reporting Group	Harvest		90% CI		SD
		Mean	Median	5%	95%	
Central District, Western, Kustatan, and Kalgin Island subdistricts set gillnet						
	<i>Crescent</i>	5,779	5,622	2,812	9,256	1,966
	<i>West</i>	31,832	31,831	26,031	38,001	3,575
	<i>JCL</i>	1,324	1,167	272	2,982	867
	<i>SusYen</i>	2,272	2,007	346	5,038	1,487
	<i>Fish</i>	66	1	0	392	177
	<i>KTNE</i>	362	12	0	2,016	743
	<i>Kenai</i>	47,185	47,230	40,687	53,192	3,798
	<i>Kasilof</i>	7,388	7,215	4,402	10,881	1,927
	Harvest represented	96,208				
	Harvest unrepresented	0				
	Total Harvest	96,208				
Northern District, Eastern Subdistrict and General Subdistrict - south set gillnet²						
	<i>Crescent</i>	83	30	0	358	136
	<i>West</i>	9,206	9,175	8,053	10,466	729
	<i>JCL</i>	3,343	3,303	2,314	4,482	663
	<i>SusYen</i>	1,776	1,719	958	2,783	563
	<i>Fish</i>	1,920	1,884	1,076	2,884	559
	<i>KTNE</i>	7,486	7,436	5,966	9,115	979
	<i>Kenai</i>	9,324	9,305	7,664	11,020	1,013
	<i>Kasilof</i>	1,259	1,218	626	2,039	438
	Harvest represented	34,397				
	Harvest unrepresented ³	6,902				
	Total Harvest	41,299				

¹ Harvests on July 24 and 31 contained fish from statistical area 244-64 (57,506 fish). These non-corridor harvests account for less than 3% of the harvest represented.

² Northern District estimates are only representative of Eastern Subdistrict and General Subdistrict - south harvests.

³ Unrepresented Northern District harvest was from the General Subdistrict - north (statistical areas 247-41, 42, and 43) (3,872 fish) and General Subdistrict - south (statistical areas 247-10, 20, 30) (3,030 fish)

Table 5.— Mean and median stock-specific harvest, standard deviation (SD), and 90% credibility intervals (CI) calculated using a stratified estimator for combined spatial and temporal strata in all represented fishing area strata and based on genetic analysis of sockeye salmon harvested in the Upper Cook Inlet commercial fishery, 2024 and 2025. The numbers of fish that contribute to the unrepresented strata are also provided.

Year	Reporting Group	Harvest		90% CI		SD
		Mean	Median	5%	95%	
2024	<i>Crescent</i>	23,617	19,008	8,475	51,953	14,005
	<i>West</i>	265,649	265,073	210,459	324,864	34,690
	<i>JCL</i>	67,706	66,714	46,405	92,751	14,332
	<i>SusYen</i>	61,508	53,555	26,469	121,545	30,047
	<i>Fish</i>	16,386	14,577	10,061	29,011	6,313
	<i>KTNE</i>	35,313	33,411	24,014	52,580	9,056
	<i>Kenai</i>	1,253,240	1,252,859	1,185,026	1,321,520	41,945
	<i>Kasilof</i>	93,334	92,697	52,697	137,044	26,252
	Harvest represented	1,816,753				
	Harvest unrepresented ¹	53,291				
	Total Harvest	1,870,044				
2025	<i>Crescent</i>	16,536	15,112	7,828	30,734	7,124
	<i>West</i>	260,572	260,034	220,548	303,101	25,133
	<i>JCL</i>	150,156	148,715	113,751	190,403	23,607
	<i>SusYen</i>	76,292	75,344	48,012	107,655	18,145
	<i>Fish</i>	14,408	13,123	6,864	26,110	6,100
	<i>KTNE</i>	58,041	56,446	37,979	83,850	14,110
	<i>Kenai</i>	2,896,046	2,896,616	2,823,718	2,963,684	42,953
	<i>Kasilof</i>	180,704	179,253	149,199	215,623	20,473
	Harvest represented	3,652,755				
	Harvest unrepresented ²	184,239				
	Total Harvest	3,836,994				

¹ Unrepresented harvest in 2024 was from the Upper Subdistrict commercial dip net fishery and experimental seine fishery (49,493 fish) and from the General Subdistrict set gillnet fishery (3,798 fish).

² Unrepresented harvest in 2025 was from the Upper Subdistrict commercial dip net and set gillnet fishery (177,337 fish) and from the General Subdistrict set gillnet fishery (6,902 fish).

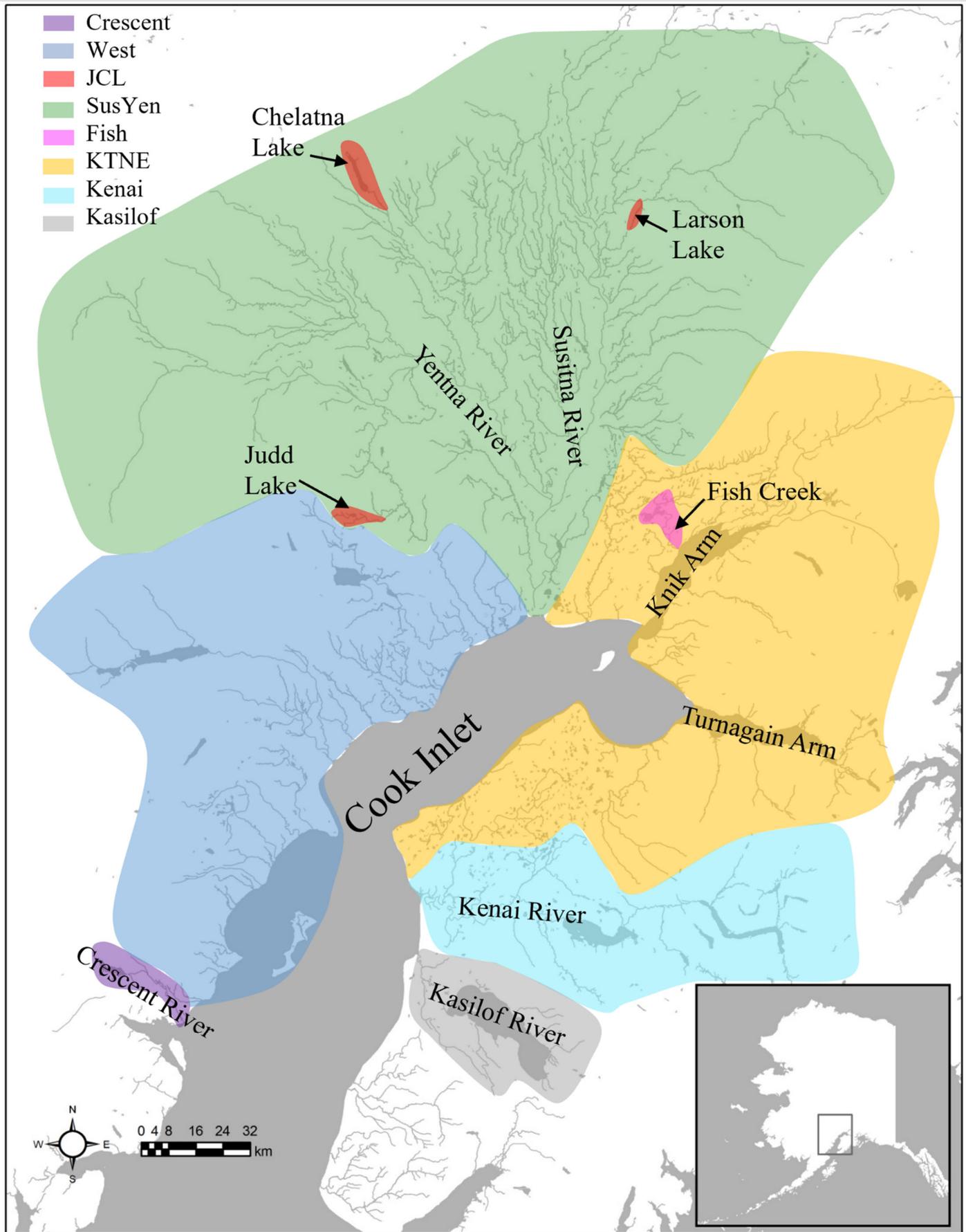


Figure 1.– Map of Cook Inlet showing reporting group areas for genetic stock identification of sockeye salmon harvest samples.

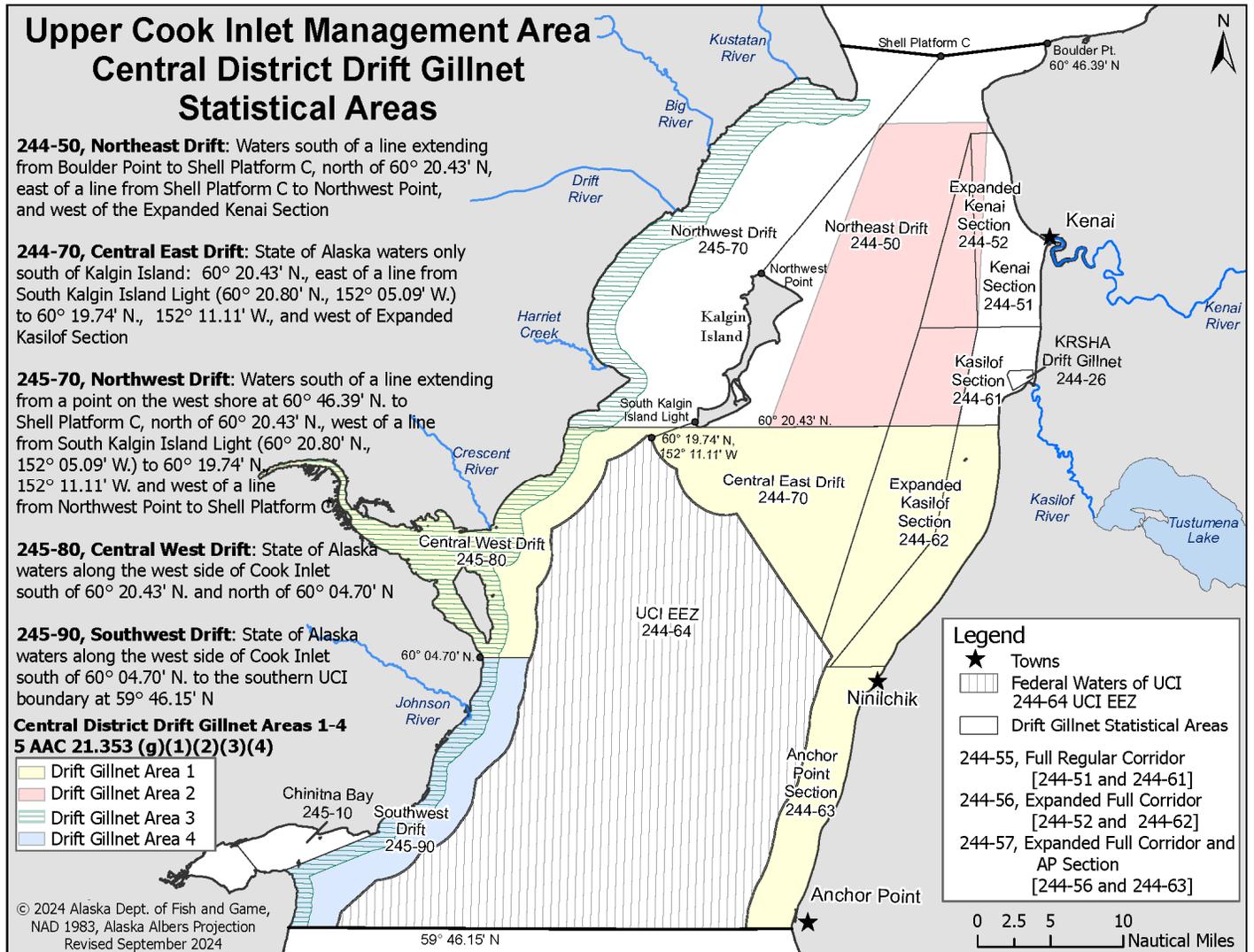


Figure 2.— Map of Upper Cook Inlet showing commercial fishing boundaries (statistical areas) for the Central District drift gillnet fishery.

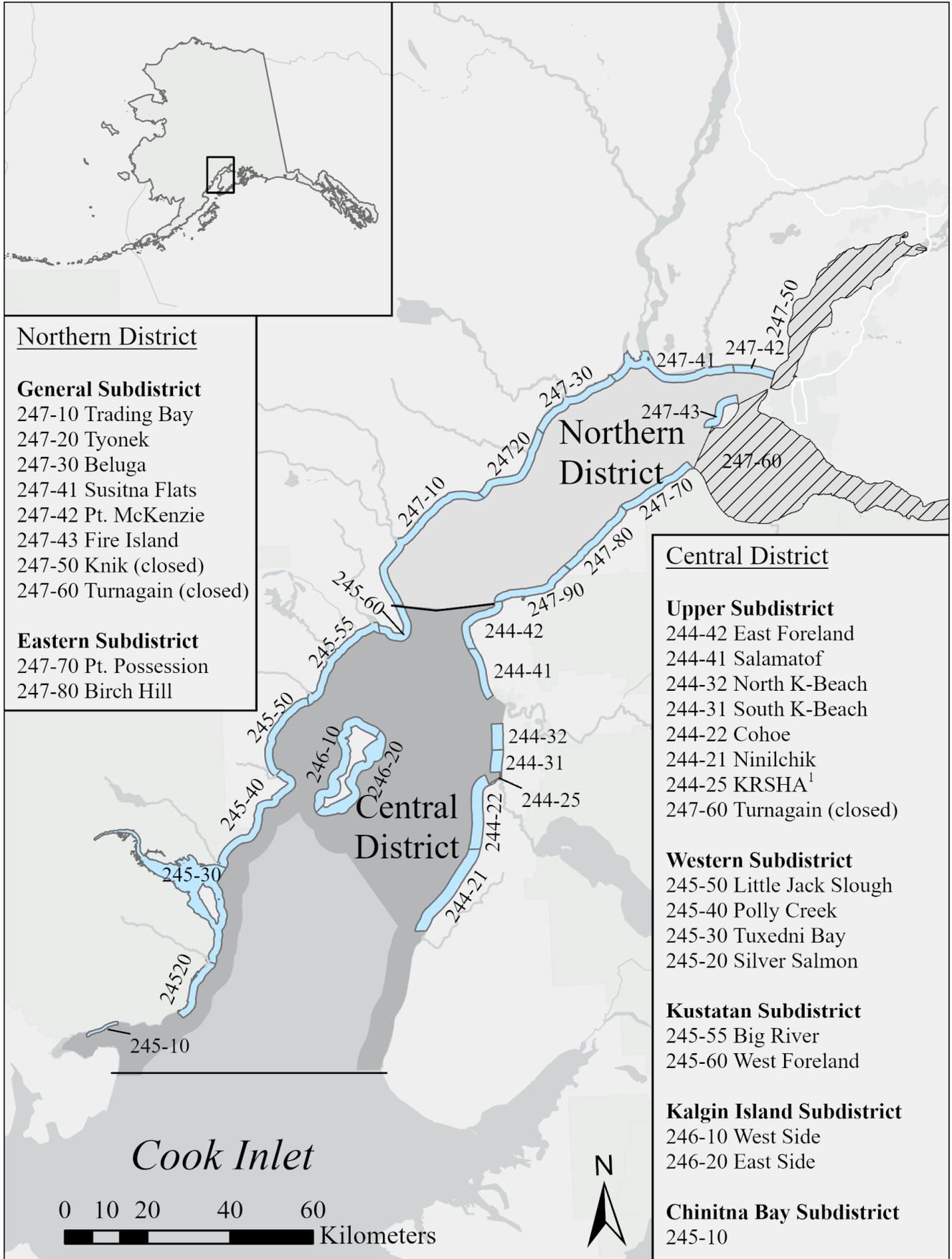


Figure 3—Map of Upper Cook Inlet showing commercial fishing boundaries (statistical areas) for subdistricts within the Northern and Central districts for set gillnet fisheries.

¹ KRSHA = Kasilof River Special Harvest Area

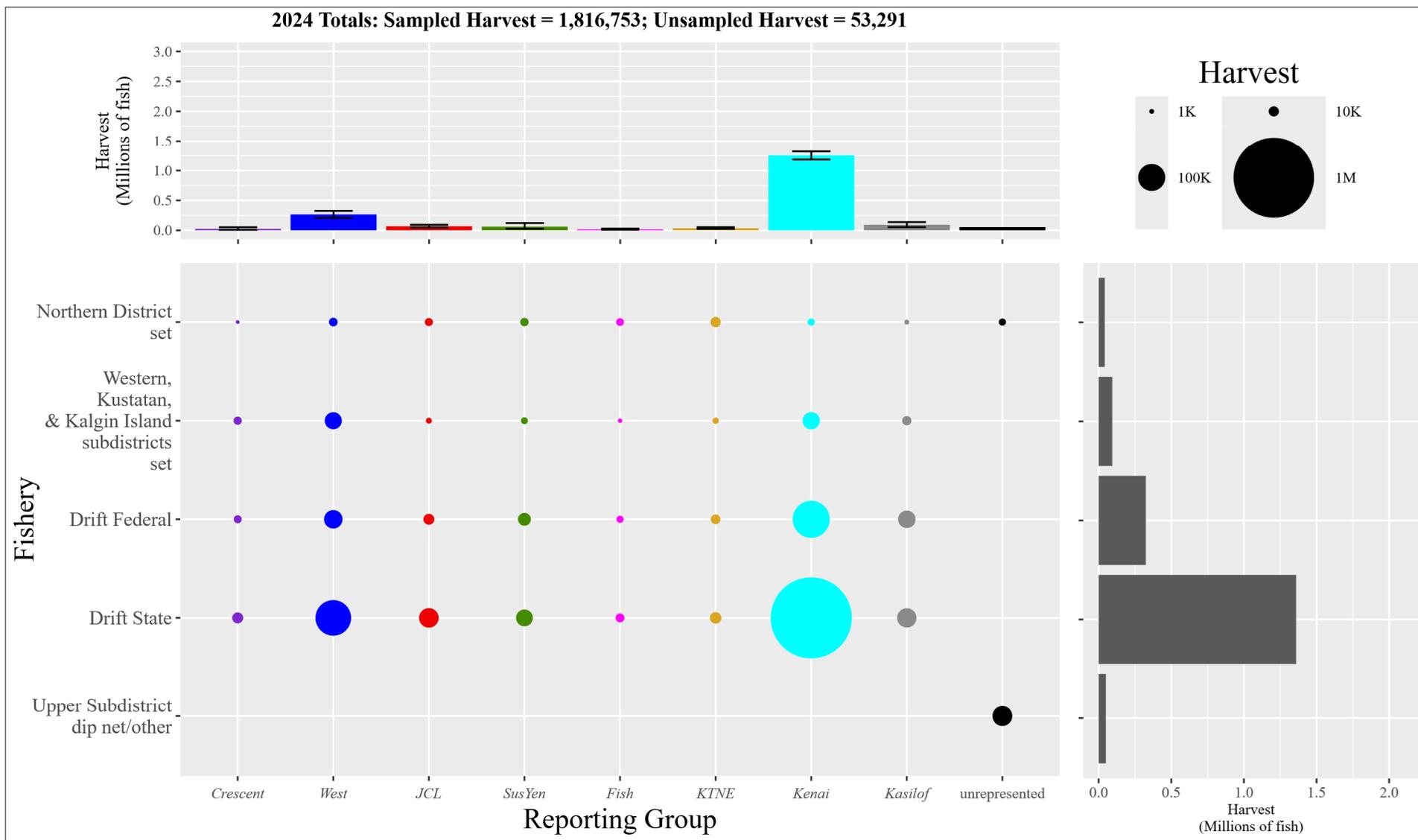


Figure 4.— Upper Cook Inlet commercial sockeye salmon harvest estimates by fishery and reporting group, 2024.

Key: The bubble plot shows stock-specific harvest estimates (means) of sockeye salmon for 8 reporting groups (colored circles) and unanalyzed harvest (unrepresented; black circles) (x-axis) and 5 fisheries (y-axis). The size of the circle represents the stock-specific harvest for fishery (see legend, top right). In the legend, K = thousand and M = million. The right bar plot shows the total harvest for each fishery. The top bar plot shows the stock-specific harvest and 90% credibility intervals for the entire season across all fisheries (colored bars) and unrepresented harvest (black bar).

Note: The scales on this figure may differ from the scales used for previously reported years.

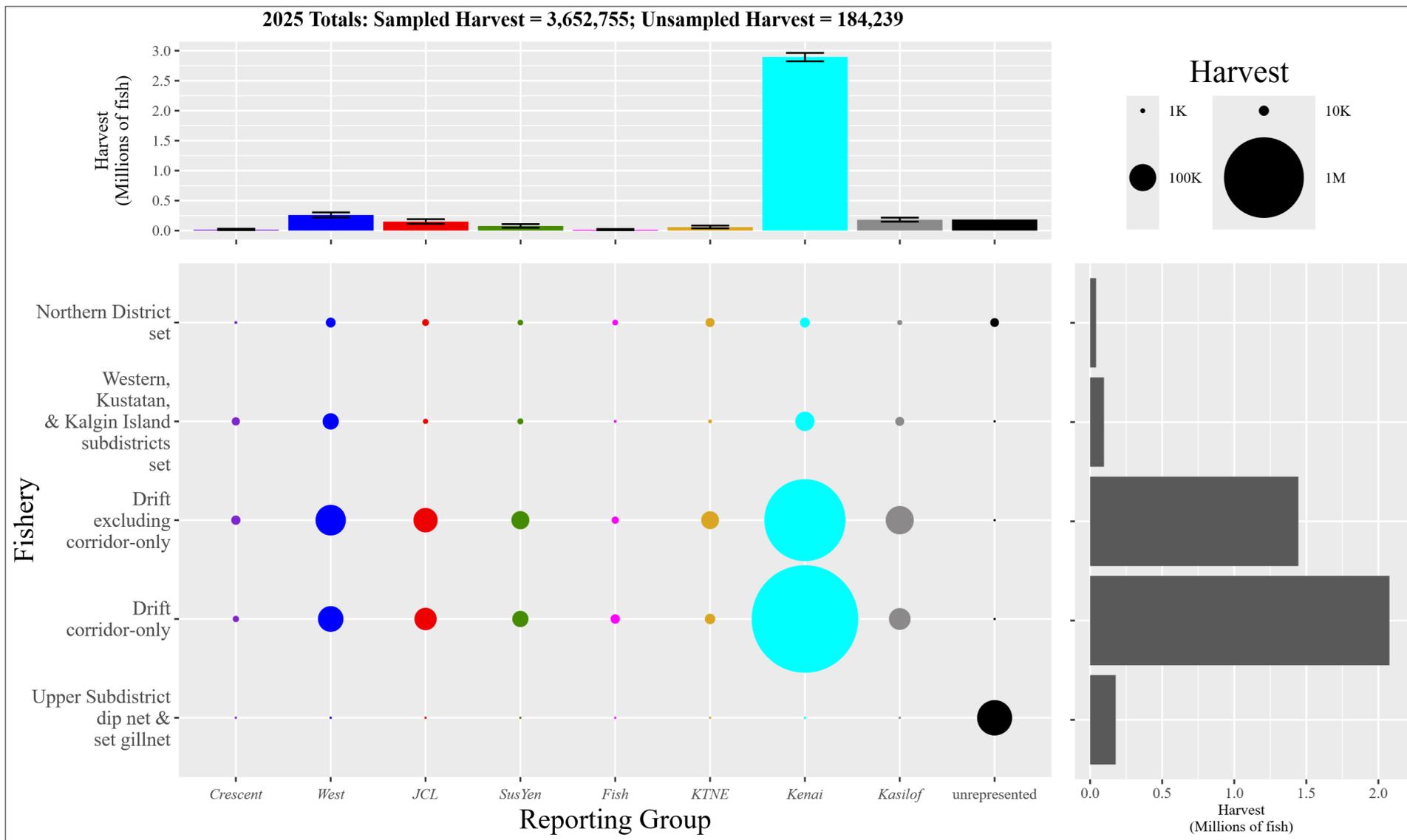


Figure 5.— Upper Cook Inlet commercial sockeye salmon harvest estimates by fishery and reporting group, 2025.

Key: The bubble plot shows stock-specific harvest estimates (means) of sockeye salmon for 8 reporting groups (colored circles) and unanalyzed harvest (unrepresented; black circles) (x-axis) and 5 fisheries (y-axis). The size of the circle represents the stock-specific harvest for fishery (see legend, top right). In the legend, K = thousand and M = million. The right bar plot shows the total harvest for each fishery. The top bar plot shows the stock-specific harvest and 90% credibility intervals for the entire season across all fisheries (colored bars) and unrepresented harvest (black bar).

Note: The scales on this figure may differ from the scales used for previously reported years.

Appendix A1.—Statistical area, sampling dates, number of fish sampled, genotyped, and used, and mixture dates and number for mixtures of sockeye salmon harvested in the Upper Cook Inlet commercial fishery in 2024. Mixture numbers correspond to mixture numbers in Table 2. Maps of statistical areas can be found in Figures 2 and 3.

Statistical area(s) ¹	Sample date	Number of fish			Mixture	
		Sampled	Genotyped	Used	Dates	Number
Central District-State drift gillnet						
244-57, 70; 245-70	6/20	24	3	2	6/20–7/14	24-1
244-57	6/24	89	2	2	6/20–7/14	24-1
244-50, 57, 70; 245-70	6/27	184	8	8	6/20–7/14	24-1
244-50, 57, 70	7/1	81	33	33	6/20–7/14	24-1
244-50, 57; 245-70	7/4	263	32	32	6/20–7/14	24-1
244-50, 57, 70	7/8	264	177	177	6/20–7/14	24-1
244-56, 70	7/11	262	125	125	6/20–7/14	24-1
244-56, 70	7/15	360	98	97	7/15-8/15	24-2
244-57	7/18	383	100	100	7/15-8/15	24-2
244-57, 70	7/22	374	124	118	7/15-8/15	24-2
244-57	7/25	393	41	41	7/15-8/15	24-2
244-57, 70	7/29	468	15	15	7/15-8/15	24-2
244-57, 70	8/1	375	2	2	7/15-8/15	24-2
Central District-Federal drift gillnet						
244-64	6/20	72	1	1	6/20–7/11	24-3
244-64	6/24	384	4	4	6/20–7/11	24-3
244-64	6/27	312	13	13	6/20–7/11	24-3
244-64	7/1	383	32	32	6/20–7/11	24-3
244-64	7/4	288	79	79	6/20–7/11	24-3
244-64	7/8	432	103	102	6/20–7/11	24-3
244-64	7/11	431	148	147	6/20–7/11	24-3
244-64	7/15	468	294	291	7/15-8/15	24-4
244-64	8/1	472	80	78	7/15-8/15	24-4
244-64	8/5	101	6	6	7/15-8/15	24-4
Central District-Western, Kustatan, and Kalgin Island subdistricts set gillnet						
245-55; 246-10	6/3	48	6	6	6/3–9/2	24-5
245-55; 246-10	6/5	24	4	4	6/3–9/2	24-5
245-55; 246-10	6/7	24	3	3	6/3–9/2	24-5
245-55; 246-10	6/10	24	1	1	6/3–9/2	24-5
245-55; 246-10	6/12	24	3	3	6/3–9/2	24-5
245-55; 246-10	6/14	24	5	5	6/3–9/2	24-5
245-55; 246-10	6/17	48	4	4	6/3–9/2	24-5
245-55; 246-10	6/19	48	2	2	6/3–9/2	24-5
245-55; 246-10	6/21	48	7	7	6/3–9/2	24-5
245-30, 50; 246-10	6/24	72	5	5	6/3–9/2	24-5
245-30; 246-10, 20	6/27	72	9	9	6/3–9/2	24-5
245-30; 246-10, 20	7/1	96	23	23	6/3–9/2	24-5
245-30; 246-10	7/4	96	12	12	6/3–9/2	24-5
245-30, 50, 60; 246-10, 20	7/8	119	29	29	6/3–9/2	24-5
245-30, 50, 60; 246-10, 20	7/11	120	35	33	6/3–9/2	24-5
245-30, 50, 60; 246-10, 20	7/18	176	54	53	6/3–9/2	24-5
245-30, 50, 55, 60; 246-10, 20	7/22	191	126	126	6/3–9/2	24-5
245-30, 50, 60; 246-10, 20	8/5	120	52	52	6/3–9/2	24-5

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Statistical area(s)	Sample date	Number of fish			Mixture	
		Sampled	Genotyped	Used	Dates	Number
Northern District-Eastern and General subdistricts set gillnet						
247-70, 80, 90	7/4	72	9	9	7/4–8/8	24-6
247-70, 80, 90	7/8	120	51	51	7/4–8/8	24-6
247-70, 80, 90	7/11	120	29	29	7/4–8/8	24-6
247-70, 80, 90	7/15	144	23	23	7/4–8/8	24-6
247-70, 80, 90	7/18	144	108	108	7/4–8/8	24-6
247-70, 80, 90	7/22	192	22	21	7/4–8/8	24-6
247-70, 80, 90	7/25	192	59	59	7/4–8/8	24-6
247-70, 80, 90	7/29	144	24	24	7/4–8/8	24-6
247-70, 80, 90	8/1	144	23	23	7/4–8/8	24-6
247-70, 80, 90	8/5	143	15	15	7/4–8/8	24-6
247-70, 80, 90	8/8	142	17	17	7/4–8/8	24-6
247-20, 30	7/8	120	30	30	7/4–8/8	24-7
247-10, 20, 30	7/11	118	37	37	7/4–8/8	24-7
247-10, 20, 30	7/15	78	22	22	7/4–8/8	24-7
247-10, 20, 30	7/18	139	139	135	7/4–8/8	24-7
247-10, 20, 30	8/1	44	44	43	7/4–8/8	24-7
247-10, 20, 30	8/5	143	108	108	7/4–8/8	24-7
Total		10,436	2,660	2,636		

¹ These are the statistical areas where sockeye salmon were harvested within a given day. i.e., these may not include all statistical areas fished each day.

Appendix A2.—Statistical area, sampling dates, number of fish sampled, genotyped, and used, and mixture dates and number for mixtures of sockeye salmon harvested in the Upper Cook Inlet commercial fishery in 2025. Mixture numbers correspond to mixture numbers in Table 2. Maps of statistical areas can be found in Figures 2 and 3.

Statistical area(s) ¹	Sample date	Number of fish			Mixture	
		Sampled	Genotyped	Used	Dates	Number
Central District Drift excluding corridor-only periods						
244-50, 64, 70; 245-70	6/19	120	3	3	6/19–7/3	25-1
244-50, 57, 64, 70; 245-70	6/23	192	8	8	6/19–7/3	25-1
244-50, 57, 64, 70	6/26	384	20	20	6/19–7/3	25-1
244-50, 57, 64, 70	6/30	432	76	75	6/19–7/3	25-1
244-50, 57, 64, 70	7/3	296	83	82	6/19–7/3	25-1
244-50, 57, 64, 70	7/7	336	41	39	7/7–7/12	25-2
244-56, 64, 70	7/10	336	149	139	7/7–7/12	25-2
244-56, 64, 70	7/14	336	70	68	7/14–7/21	25-3
244-57, 64, 70	7/17	336	88	86	7/14–7/21	25-3
244-57, 70	7/21	336	32	32	7/14–7/21	25-3
244-50, 57, 70	7/28	240	190	187	7/28	25-4
244-57, 64, 70; 245-70	8/4	168	168	166	8/4–8/21	25-5
244-57, 64; 245-70	8/7	168	14	13	8/4–8/21	25-5
244-57, 64, 70; 245-70	8/11	96	5	5	8/4–8/21	25-5
245-70, 90	8/14	96	3	3	8/4–8/21	25-5
Central District Drift corridor-only periods ²						
244-56	7/11	240	33	33	7/4–7/18	25-6
244-56	7/15	264	157	157	7/4–7/18	25-6
244-57	7/22	264	264	264	7/19–7/23	25-7
244-57, 64	7/24	336	107	107	7/24–8/1	25-8
244-57	7/30	168	65	65	7/24–8/1	25-8
244-57, 64	7/31	264	18	18	7/24–8/1	25-8
Central District-Western, Kustatan, and Kalgin Island subdistricts set gillnet						
245-30, 55; 246-10	6/16	56	3	3	6/12–8/21	25-9
245-55; 246-10	6/18	48	4	4	6/12–8/21	25-9
245-30; 246-10	6/23	48	4	4	6/12–8/21	25-9
245-30; 246-10, 20	6/26	48	9	9	6/12–8/21	25-9
245-30, 60; 246-10, 20	6/30	72	8	8	6/12–8/21	25-9
245-30, 60; 246-10, 20	7/3	24	13	13	6/12–8/21	25-9
245-30, 60; 246-10, 20	7/7	48	8	8	6/12–8/21	25-9
245-30, 60; 246-10, 20	7/10	48	11	11	6/12–8/21	25-9
245-30, 40, 60; 246-10, 20	7/14	48	25	25	6/12–8/21	25-9
245-30, 50, 60; 246-10, 20	7/17	48	24	24	6/12–8/21	25-9
245-30, 50, 60; 246-10, 20	7/21	48	17	17	6/12–8/21	25-9
245-30, 50, 60; 246-10, 20	7/24	48	12	12	6/12–8/21	25-9
245-30, 50, 60; 246-10, 20	7/28	24	20	20	6/12–8/21	25-9
245-30, 50, 60; 246-10, 20	7/31	23	14	13	6/12–8/21	25-9
245-30, 50, 60; 246-10, 20	8/4	24	10	10	6/12–8/21	25-9
246-10	8/7	24	0	0	6/12–8/21	25-9
245-50, 60; 246-10, 20	8/11	24	3	3	6/12–8/21	25-9
245-50; 246-10, 20	8/14	24	5	5	6/12–8/21	25-9

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Statistical area(s) ¹	Sample date	Number of Fish			Mixture	
		Sampled	Genotyped	Used	Dates	Number
Northern District-Eastern Subdistrict and General Subdistrict - south set gillnet						
247-70 80, 90	7/3	72	6	6	7/3–8/14	25-10
247-70 80, 90	7/7	48	25	25	7/3–8/14	25-10
247-70 80, 90	7/10	48	15	15	7/3–8/14	25-10
247-70 80, 90	7/14	48	13	13	7/3–8/14	25-10
247-70 80, 90	7/17	48	17	17	7/3–8/14	25-10
247-70 80, 90	7/21	72	31	31	7/3–8/14	25-10
247-70 80, 90	7/24	72	16	16	7/3–8/14	25-10
247-70 80, 90	7/28	48	12	12	7/3–8/14	25-10
247-70 80, 90	7/31	48	16	16	7/3–8/14	25-10
247-70 80, 90	8/4	48	10	10	7/3–8/14	25-10
247-70 80, 90	8/7	48	5	5	7/3–8/14	25-10
247-70 80, 90	8/11	48	18	18	7/3–8/14	25-10
247-70 80, 90	8/14	48	6	6	7/3–8/14	25-10
247-10, 20, 30	7/21	72	72	72	7/14–8/4	25-11
247-10, 20, 30	7/24	72	70	69	7/14–8/4	25-11
247-20, 30	7/28	48	48	48	7/14–8/4	25-11
Total		7,023	2,164	2,138		

¹ These are the statistical areas where sockeye salmon were harvested within a given day. i.e., these may not include all statistical areas fished each day.

² Harvests on July 24 and 31 contained fish from statistical area 244-64 (57,506 fish). These non-corridor harvests account for about 12% of the harvest represented by the 7/24–8/1 corridor-only mixture sample (mixture number 25-8).

Note: Days when samples were collected but not genotyped represented very small harvests and the number of fish needed for a 190 fish mixture sample was less than half a fish. For example, a day representing 0.10% of the total harvest for a given area stratum would only need 0.19 fish genotyped for a 190 fish sample (i.e., 0.001 X 190 = 0.19 fish).