

Kuskokwim River Salmon Management Working Group

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Meeting Agenda

Date: June 24, 2026

Time: 10 am

Place: Bethel, AK

Time Called to Order:

Chair:

ROLL CALL TO ESTABLISH QUORUM:

Downriver Elder:
Lower River Subsistence:
Middle River Subsistence:
Upriver Elder:
Upper River Subsistence:
Headwaters Subsistence:
Sport Fisher:

QUORUM MET? Yes / No

Commercial Fisher:
Member at Large:
2nd Member at Large:
Western Interior RAC:
Y-K Delta RAC:
KRITFC:
ADF&G:

INTRODUCTIONS: *ADF&G, USFWS, KRITFC, ONC, NVN, AVCP, media, government representatives, public, others.*

INVOCATION:

APPROVAL OF AGENDA: *the agenda may be amended at this time.*

PEOPLE TO BE HEARD: *Non-Working Group Members*

CONTINUING BUSINESS:

A. Subsistence Reports: Lowest River, Lower River, Middle River, Upper River, Headwaters

B. Kuskokwim River project updates:

1. ADF&G - Weirs, sonar, and telemetry. – Sean Larson
2. USFWS - Outgoing smolt, Kwethluk weir, fishing boat counts.
3. NVN - Aniak test fish, Salmon Aniak weir and camera, outgoing smolt. – Dan Gillikin
4. ONC - In-season harvest estimates, test fish distribution. – Jacob Wade
5. KRITFC – Harvest and effort estimates, camera-based monitoring, and weirs. – Justin Leon

C. Marine Fishery Report: KRITFC

D. Yukon Delta National Wildlife Refuge Fishery Management update – Spencer Rearden and Kevin Whitworth

E. ADF&G management update – Sam Decker

OLD BUSINESS:

F. Elections – Charles Guest

G. AG Decision on Area M Regulations

NEW BUSINESS:

COMMENTS FROM WORKING GROUP MEMBERS:

NEXT MEETING DATE: _____ **Time:** _____ **Place:** _____

Kuskokwim River Salmon Assessment Update

6/22/2026



The data summaries presented in this document are provided by ADF&G. **All data and analyses contained are preliminary and are subject to change, so please make interpretations carefully.**

If you have any questions about the content, please contact Sean Larson (ADF&G; sean.larson@alaska.gov). Original development of code used to create this document is credited to Benjamin Staton.

Table of Contents:

Salmon Abundance Summaries

- Page 2: [Chinook Salmon](#)
- Page 3: [Chum Salmon](#)
- Page 4: [Sockeye Salmon](#)

Species Composition Summaries

- Page 5: [Percent Composition by Salmon Species](#)

Abbreviations

- ATF: Aniak Test Fishery
- CPUE: Catch-per-unit-effort
- ADF&G: Alaska Department of Fish and Game
- USFWS: United States Fish and Wildlife Service

To view escapement information, please visit the ADF&G Kuskokwim River Fish Counts page

- <http://www.adfg.alaska.gov/index.cfm?adfg=commercialbyareakuskokwim.salmon#fishcounts>

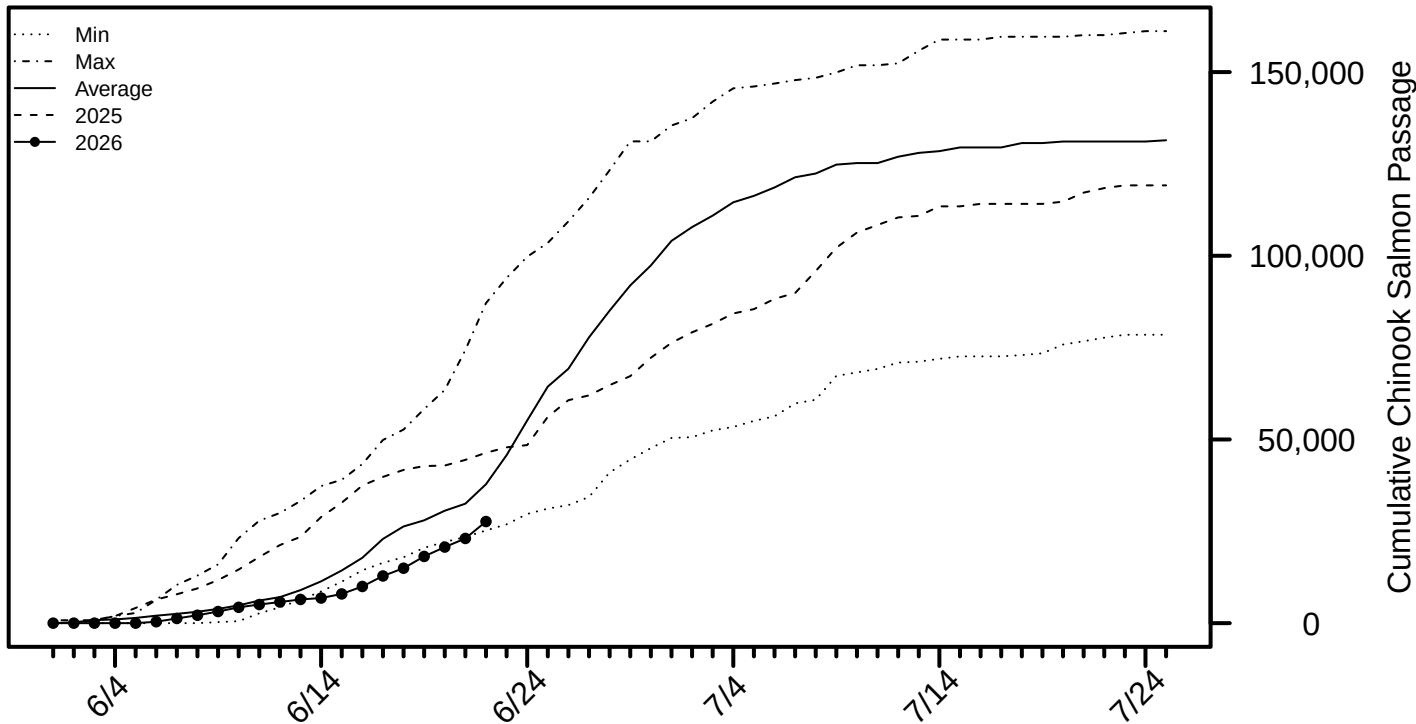
For the most up-to-date information regarding fishing opportunities please visit

- USFWS: https://www.fws.gov/refuge/yukon_delta/wildlife_and_habitat/dailyupdate.html
- ADF&G: <http://www.adfg.alaska.gov/index.cfm?adfg=cfnews.main>

Chinook Salmon Summary (6/22)

Based on Kuskokwim River Sonar and Aniak Test Fishery

- The sonar daily passage was **4,601**.
 - The sonar cumulative passage is now **27,657**.
 - The average sonar cumulative passage is **43,486** for this date.
 - **29%** of years since 2018 fell below the cumulative passage for this date.
 - **27% - 41%** of the run is likely complete based on historical run timing at the sonar.
 - *The drainagewide escapement goal for Chinook salmon is 65,000-120,000 fish.*
- Chinook Salmon Figure 1:** The cumulative sonar passage from 2026 plotted along with the prior year, a year with near average (2018-2025) cumulative passage (2018), and years with the minimum (2023) and maximum (2019) cumulative passage.



Chinook Salmon Table 1. Cumulative passage at the Kuskokwim River sonar. Average includes years 2018-2025. *Note: Estimates are subject to change.*

Date	2026	2025	2024	2023	2022	2021	2020	2019	2018	Average
6/19	18,159	42,762	23,897	20,515	27,809	24,599	18,865	58,284	27,988	30,590
6/20	20,711	42,896	25,921	22,093	30,191	27,344	20,870	63,466	30,604	32,923
6/21	23,056	44,448	28,244	23,437	35,356	29,403	22,943	74,343	32,520	36,337
6/22	27,657	46,367	34,757	25,228	58,532	32,528	25,548	87,113	37,818	43,486
EOS		120,492	142,662	79,166	145,896	102,549	106,764	161,888	132,971	124,048

Chinook Salmon Table 2. Cumulative CPUE from the ATF. Average includes years 2015-2025.

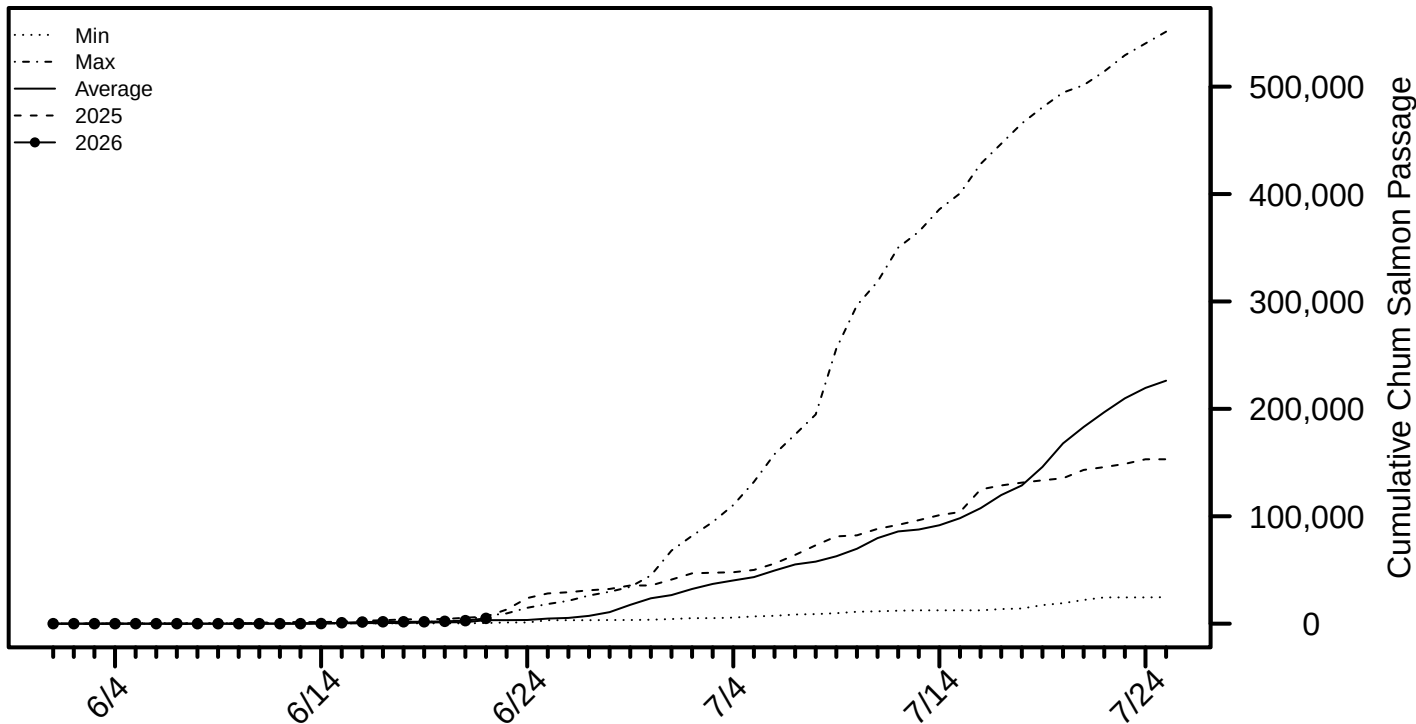
Date	2026	2025	2024	2023	2022	2021	2020	2019	2018	Average
6/19	18	380	49	14	118	261	167	810	134	459
6/20	24	419	61	14	125	302	218	836	141	499
6/21	31	465	67	20	157	387	245	836	165	556
6/22	36	465	96	33	213	464	285	953	172	620
EOS		1,436	2,673	748	1,277	1,891	1,874	1,691	820	2,233

Chum Salmon Summary (6/22)

Based on Kuskokwim River Sonar and Aniak Test Fishery

- The sonar daily passage was **2,130**.
- The sonar cumulative passage is now **4,939**.
- The average sonar cumulative passage is **3,673** for this date.
- **71%** of years since 2018 fell below the cumulative passage for this date
- **1% - 2%** of the run is likely complete based on historical run timing at the sonar.

Chum Salmon Figure 1: The cumulative sonar passage from 2026 plotted along with the prior year, a year with near average (2018-2025) cumulative passage (2023), and years with the minimum (2021) and maximum (2018) cumulative passage. *Note: Chum salmon passage is considered a minimum and should be viewed as an index for inseason management purposes.*



Chum Salmon Table 1. Cumulative passage at the Kuskokwim River sonar. Average includes years 2018-2025. *Note: Estimates are subject to change.*

Date	2026	2025	2024	2023	2022	2021	2020	2019	2018	Average
6/19	1,751	4,195	3,121	1,123	0	320	954	379	1,806	1,487
6/20	2,178	4,321	5,076	1,237	0	320	954	659	2,089	1,832
6/21	2,809	5,524	8,662	1,382	0	320	954	1,010	3,082	2,617
6/22	4,939	6,564	8,662	3,283	0	620	1,192	1,641	7,420	3,673
EOS		159,622	253,825	251,542	103,864	26,973	76,432	385,409	552,011	226,210

Chum Salmon Table 2. Cumulative CPUE from the ATF. Average includes years 2015-2025.

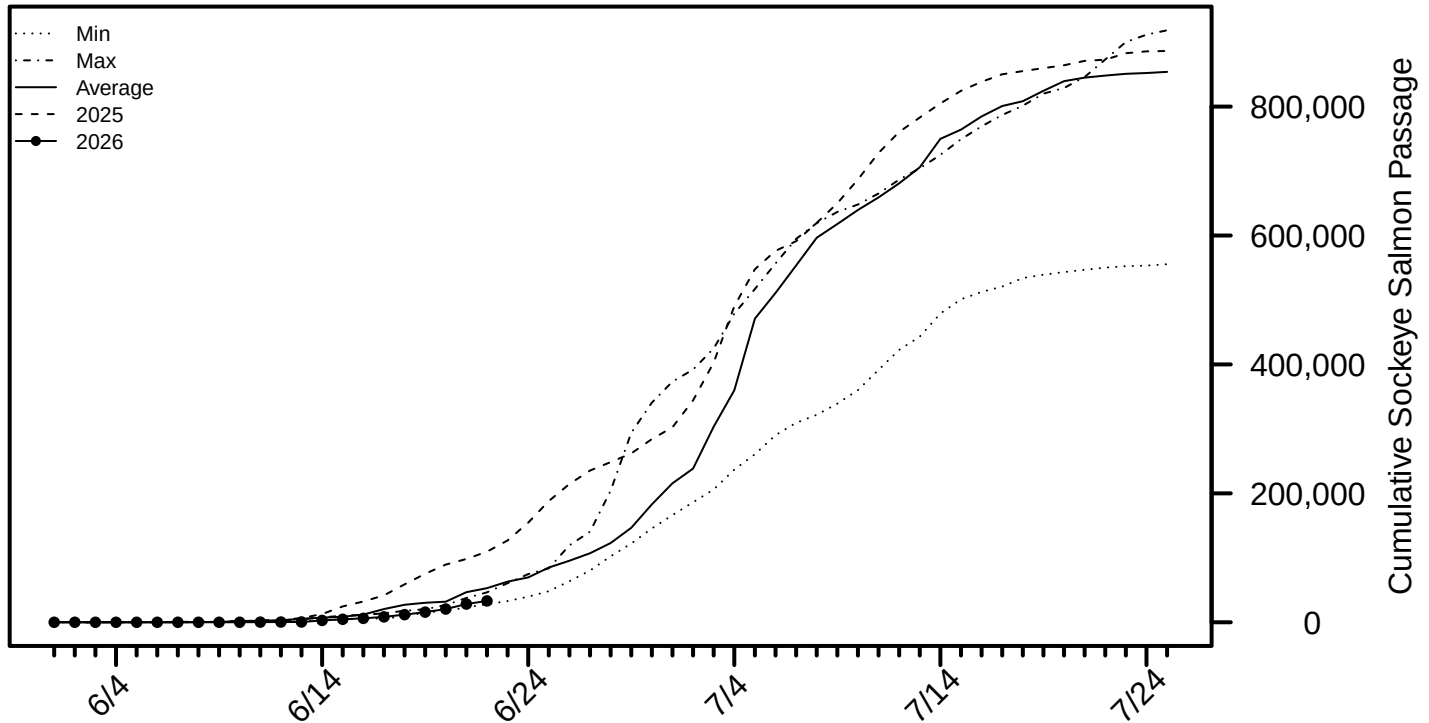
Date	2026	2025	2024	2023	2022	2021	2020	2019	2018	Average
6/19	0	18	0	0	0	6	26	5	95	58
6/20	7	54	11	0	0	6	32	5	137	75
6/21	11	94	11	0	0	6	45	5	168	100
6/22	17	94	11	0	7	6	52	5	209	126
EOS		948	5,906	996	952	267	2,611	1,051	10,277	4,143

Sockeye Salmon Summary (6/22)

Based on Kuskokwim River Sonar and Aniak Test Fishery

- The sonar daily passage was **4,815**.
- The sonar cumulative passage is now **33,081**.
- The average sonar cumulative passage is **47,147** for this date.
- **14%** of years since 2018 fell below the cumulative passage for this date
- **4% - 8%** of the run is likely complete based on historical run timing at the sonar.

Sockeye Salmon Figure 1: The cumulative sonar passage from 2026 plotted along with the prior year, a year with near average (2018-2025) cumulative passage (2021), and years with the minimum (2020) and maximum (2019) cumulative passage.



Sockeye Salmon Table 1. Cumulative passage at the Kuskokwim River sonar. Average includes years 2018-2025. *Note: Estimates are subject to change.*

Date	2026	2025	2024	2023	2022	2021	2020	2019	2018	Average
6/19	15,711	75,163	15,457	12,025	14,969	30,257	15,501	20,172	6,064	23,701
6/20	20,526	89,485	24,501	17,767	23,675	31,931	17,218	26,721	8,859	30,020
6/21	28,266	98,181	36,017	23,192	40,607	46,653	23,228	37,629	10,221	39,466
6/22	33,081	109,504	44,920	35,036	49,255	52,899	27,955	46,435	11,174	47,147
EOS		924,085	695,724	899,180	613,874	869,268	574,928	924,354	635,493	767,113

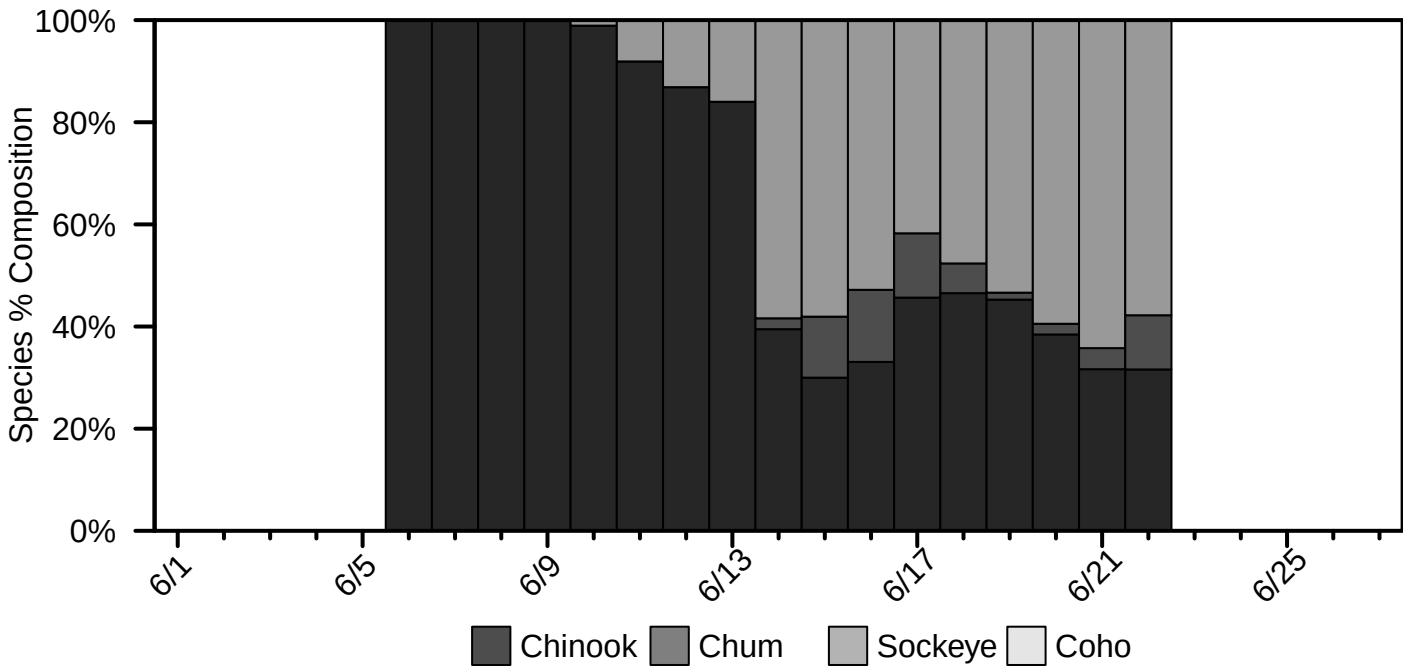
Sockeye Salmon Table 2. Cumulative CPUE from the ATF. Average includes years 2015-2025.

Date	2026	2025	2024	2023	2022	2021	2020	2019	2018	Average
6/19	0	21	0	0	6	0	0	0	0	3
6/20	0	21	0	0	6	0	0	0	0	3
6/21	0	21	0	0	6	0	0	0	0	3
6/22	0	21	0	0	6	6	0	0	0	8
EOS		54	651	369	129	241	209	33	75	346

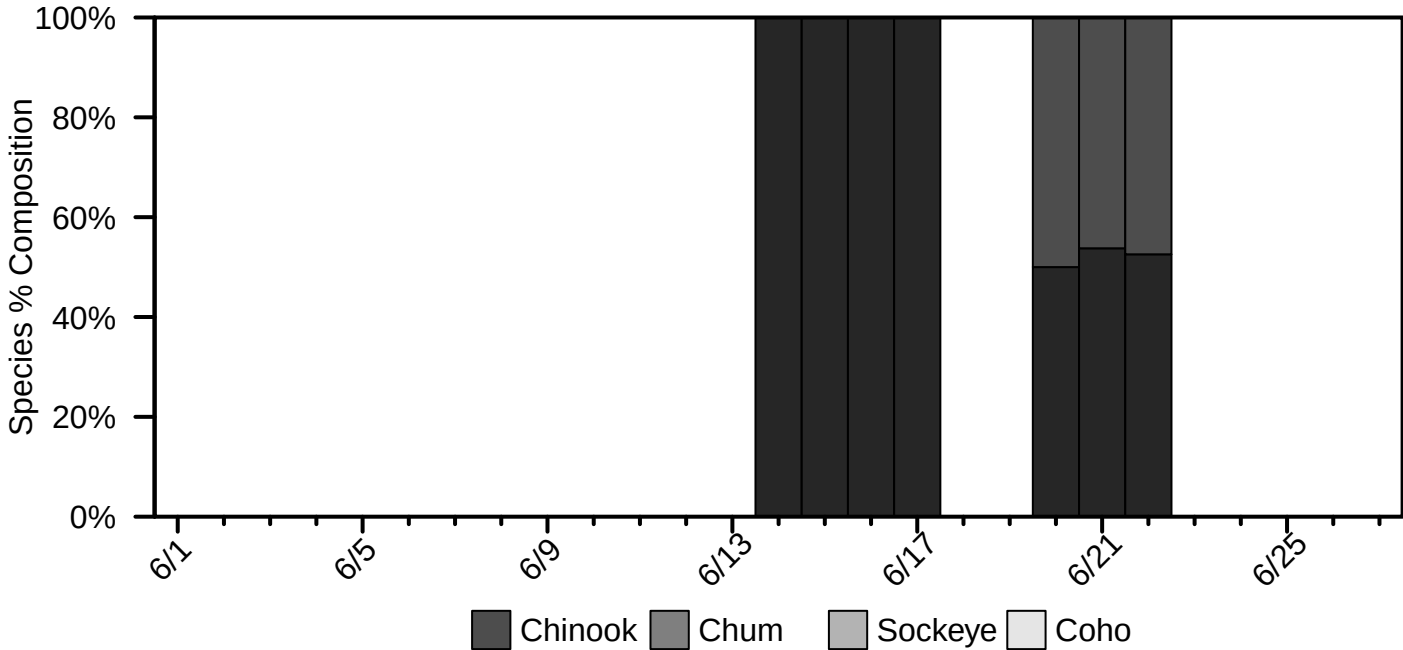
[Return to Table of Contents](#)

Percent Composition by Salmon Species

Species Composition Figure 1. Species percent composition from the sonar estimates from 2026 (salmon species only, excluding pink salmon). The composition presented on each day represents the average composition over the past 3 days.



Species Composition Figure 2. Species percent composition from the ATF estimates from 2026. The composition presented on each day represents the average composition over the past 3 days.



[Return to Table of Contents](#)



Orutsararmiut Native Council (ONC) Inseason Harvest Monitoring Weekly Report

June 22, 2026

Summary of Interview Activities

Comments from interviewees at the boat harbor and fish camp from the June 22th drift/set net opportunity include the following: Several people would like to have more openers.

Table 1. Average number of salmon harvested by surveyed Bethel area fish camps and Bethel boat harbor from the June 12th drift/set net opportunity.

Data Source	Number of Surveys Conducted	Average Chinook Salmon Harvest	Average Chum Salmon Harvest	Average Sockeye Salmon Harvest	Average other harvest	Net Length Range (ft.)	Mesh Size Range (in.)
Bethel Area Fish Camps	16	12.8	12.5	11.6	0	35-150	4-6
Bethel Boat Harbor	89	8.9	10.4	8.5	0	22-300	5.25-6

Subsistence: Some people are closer to their goals but no one has met them yet.

Fish Distribution

We began fish distribution this past Sunday. We delivered 11 Kings, 15 Sockeye Salmon, 2 Sheefish, 2 humpbacks. We did not deliver on Tuesday due to the opener going on.

Kuskokwim River In-season Harvest and Effort Estimates

6/22/2026 Subsistence Harvest Opportunity (Drift & Set Nets)

Opportunity Time Period: 7:00 AM – 7:00 PM (12 Hours)

Area Covered by Estimates: Tuntutuliak ↔ Bogus Cr.



Data Sources

TABLE 1. The number and percent of fisher interviews conducted by location and organization.

Data Source	Interviews	Percent
Other Villages (KRITFC)	98	48%
Bethel Boat Harbor (ONC)	90	44%
Bethel Area Fish Camps (ONC)	16	8%
Total	204	100%

Of these interviews, **199** were from drift nets and **5** were from set nets.

TABLE 2. The time each flight was conducted and fishers counted each flight.

Time Information			Nets Counted	
Start Time	End Time	Hours	Drift	Set
11:40 AM (6/22)	1:45 PM (6/22)	2.08	397	94
4:32 PM (6/16)	7:05 PM (6/16)	2.55	167	54

Effort Estimates

- An estimated **734** drift boat trips occurred.
 - An estimated **0%** of the trips counted on flight 2 were also counted on flight 1.
 - An estimated **170** trips started and ended when no flights occurred.
- An estimated **95** set net trips occurred.

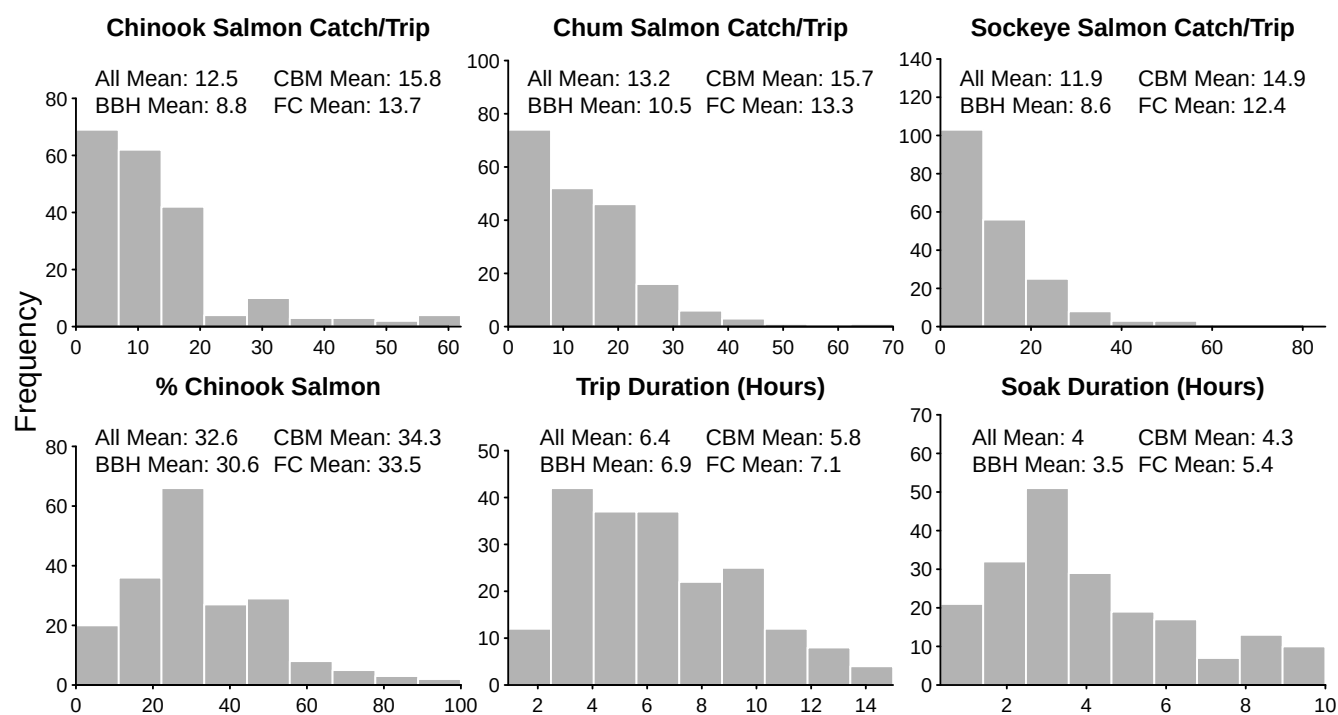
Harvest Estimates

- An estimated total of **43,583 (37,881 – 49,186)** salmon were harvested.
 - An estimated total of **13,888 (12,074 – 15,977)** Chinook salmon were harvested.
 - An estimated total of **15,843 (13,057 – 18,854)** chum salmon were harvested.
 - An estimated total of **13,853 (11,191 – 16,918)** sockeye salmon were harvested.
- Harvest by set nets accounted for an estimated **850 (166 – 1,733)** total salmon (**45%** Chinook salmon, **24%** chum salmon, and **31%** sockeye salmon).

TABLE 3. Summaries by river stratum (area) for drift nets. Numbers in parentheses are 95% confidence intervals.

Stratum	Interviews	Effort Est.	Estimated Harvest			
			Chinook	Chum	Sockeye	Total
Tuntutuliak ↔ Johnson R.	33	186	4,814 (3,524 – 6,519)	6,294 (4,020 – 9,131)	6,176 (3,808 – 8,951)	17,283 (12,914 – 21,658)
Johnson R. ↔ Napaskiak	54	127	1,679 (1,312 – 2,137)	2,558 (1,946 – 3,262)	2,197 (1,609 – 2,922)	6,434 (5,247 – 7,933)
Napaskiak ↔ Akiachak	87	320	3,489 (2,762 – 4,306)	4,687 (3,501 – 6,077)	4,282 (3,385 – 5,330)	12,457 (10,006 – 15,233)
Akiachak ↔ Akiak	20	53	2,569 (1,702 – 3,375)	1,277 (907 – 1,598)	355 (127 – 659)	4,201 (3,109 – 5,183)
Akiak ↔ Bogus Cr.	5	48	958 (673 – 1,287)	822 (656 – 1,009)	577 (459 – 699)	2,357 (1,929 – 2,847)
Total	199	734	13,509 (11,622 – 15,575)	15,638 (12,881 – 18,644)	13,587 (10,981 – 16,574)	42,733 (37,256 – 48,291)

FIGURE 1. Distributions of relevant quantities from all completed trips using drift nets. The mean quantity by primary data source is shown in the top right; BBH = Bethel Boat Harbor (ONC), CBM = Other Villages (KRITFC), FC = Bethel Area Fish Camps (ONC).



Appendix A: Detailed Interview Summaries

Column Meanings

- **Area:** the area of the river the trip occurred in
- **N:** the number of interviews with usable information in each area
- **Min:** the minimum value among trips in each area
- **25%:** the value that 25% of trips fell below in each area
- **Mean:** the average value across trips in each area
- **75%:** the value that 75% of trips fell below in each area
- **Max:** the maximum value among trips in each area

Information is for drift net trips only.

TABLE A1. Summary of drift net catch per trip of Chinook salmon by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	2	7	16	20	60
Johnson R. ↔ Napaskiak	54	0	5	11	15	35
Napaskiak ↔ Akiachak	87	0	3	8	10	38
Akiachak ↔ Akiak	20	0	10	28	39	62
Akiak ↔ Bogus Cr.	5	0	10	19	18	57
All	199	0	5	13	16	62

TABLE A2. Summary of drift net catch rate of Chinook salmon by fishing area (fish per 150 feet of net per hour).

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	0.2	1.3	4	6	18.8
Johnson R. ↔ Napaskiak	54	0	1.3	3.6	4.6	19
Napaskiak ↔ Akiachak	87	0	1.1	2.9	3.4	18
Akiachak ↔ Akiak	20	0	3.1	16.9	26.7	55
Akiak ↔ Bogus Cr.	5	0	1.7	2.6	2.2	7.1
All	199	0	1.2	4.7	4.6	55

TABLE A3. Summary of drift net catch per trip of chum salmon by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	0	5	17	20	70
Johnson R. ↔ Napaskiak	54	0	8	14	20	40
Napaskiak ↔ Akiachak	87	0	4	11	16	37
Akiachak ↔ Akiak	20	0	8	14	19	34
Akiak ↔ Bogus Cr.	5	0	12	18	22	35
All	199	0	5	13	19	70

TABLE A4. Summary of drift net catch rate of chum salmon by fishing area (fish per 150 feet of net per hour).

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	0	0.8	5.3	6.6	36
Johnson R. ↔ Napaskiak	54	0	2	5.5	6.1	30
Napaskiak ↔ Akiachak	87	0	1.2	3.8	3.9	25
Akiachak ↔ Akiak	20	0	1.8	8.3	15	27.4
Akiak ↔ Bogus Cr.	5	0	2.1	2.5	3.3	4.4
All	199	0	1.5	4.9	5.7	36

TABLE A5. Summary of drift net catch per trip of sockeye salmon by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	0	5	21	29	85
Johnson R. ↔ Napaskiak	54	0	4	12	17	25
Napaskiak ↔ Akiachak	87	0	4	10	14	51
Akiachak ↔ Akiak	20	0	0	7	13	34
Akiak ↔ Bogus Cr.	5	0	0	14	18	35
All	199	0	4	12	17	85

TABLE A6. Summary of drift net catch rate of sockeye salmon by fishing area (fish per 150 feet of net per hour).

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	0	0.9	5.2	6.3	38.7
Johnson R. ↔ Napaskiak	54	0	1.6	4.7	5.4	33.3
Napaskiak ↔ Akiachak	87	0	1.3	3.5	4.2	20
Akiachak ↔ Akiak	20	0	0	2.2	3.5	13.6
Akiak ↔ Bogus Cr.	5	0	0	1.9	2.7	4.4
All	199	0	1	3.9	4.5	38.7

TABLE A7. Summary of drift net percent composition of Chinook salmon by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	6%	18%	33%	42%	89%
Johnson R. ↔ Napaskiak	54	0%	19%	28%	34%	65%
Napaskiak ↔ Akiachak	87	0%	20%	30%	42%	78%
Akiachak ↔ Akiak	20	20%	50%	57%	68%	100%
Akiak ↔ Bogus Cr.	5	23%	29%	36%	45%	45%
All	199	0%	20%	33%	43%	100%

TABLE A8. Summary of drift net trip duration by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	1	4	6.6	9	13.6
Johnson R. ↔ Napaskiak	54	1	4	5.7	7.4	12
Napaskiak ↔ Akiachak	87	0.9	4.5	6.6	8.4	14.3
Akiachak ↔ Akiak	20	2.2	3.9	6.7	10.1	15
Akiak ↔ Bogus Cr.	5	5.5	8	8.2	9	9.5
All	199	0.9	4	6.4	8.5	15

TABLE A9. Summary of drift net active fishing hours by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	0.5	1.5	3.8	5.3	10
Johnson R. ↔ Napaskiak	54	0.3	2.2	3.7	4	10
Napaskiak ↔ Akiachak	87	0.5	2.1	4.2	5.8	10
Akiachak ↔ Akiak	20	1.8	3	4	4.3	8.5
Akiak ↔ Bogus Cr.	5	4.5	5.8	6.4	8	8
All	199	0.3	2.2	4	5.3	10

Appendix B: Non-salmon Harvest Information

- An estimated total of **280 (143 – 454)** nonsalmon were harvested.
 - An estimated total of **206 (76 – 384)** sheefish were harvested.
 - An estimated total of **75 (39 – 120)** all whitefishes were harvested.
- Harvest by set nets accounted for an estimated **0 (0 – 0)** total nonsalmon (**0%** sheefish and **0%** all whitefishes).

TABLE B1. Summaries by river stratum (area) for drift nets. Numbers in parentheses are 95% confidence intervals.

Stratum	Interviews	Effort Est.	Estimated Harvest		
			Sheefish	Whitefish	Total
Tuntutuliak ↔ Johnson R.	33	186	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Johnson R. ↔ Napaskiak	54	127	30 (4 – 65)	21 (4 – 47)	51 (18 – 97)
Napaskiak ↔ Akiachak	87	320	151 (26 – 325)	33 (9 – 67)	185 (53 – 367)
Akiachak ↔ Akiak	20	53	4 (0 – 11)	11 (0 – 32)	15 (0 – 36)
Akiak ↔ Bogus Cr.	5	48	20 (5 – 40)	9 (4 – 15)	30 (13 – 51)
Total	199	734	206 (76 – 384)	75 (39 – 120)	280 (143 – 454)

TABLE B2. Summary of drift net catch per trip of sheefish by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	0	0	0	0	0
Johnson R. ↔ Napaskiak	54	0	0	0	0	8
Napaskiak ↔ Akiachak	87	0	0	0	0	3
Akiachak ↔ Akiak	20	0	0	0	0	1
Akiak ↔ Bogus Cr.	5	0	1	2	1	6
All	199	0	0	0	0	8

TABLE B3. Summary of drift net catch per trip of all whitefishes by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	0	0	0	0	0
Johnson R. ↔ Napaskiak	54	0	0	0	0	5
Napaskiak ↔ Akiachak	87	0	0	0	0	2
Akiachak ↔ Akiak	20	0	0	0	0	2
Akiak ↔ Bogus Cr.	5	1	2	2	3	4
All	199	0	0	0	0	5



KUSKOKWIM IN-SEASON HARVEST ESTIMATES – RECENT YEARS COMPARISON – MINIMUM IN-SEASON ESTIMATES

2026 Lower River Harvest Estimates (Tuntutuliak to Tuluksak) – KRITFC + ONC + USFWS Data								
2026 FISHING DATE	PERIOD	GEAR TYPE	TRIPS	CHINOOK SALMON HARVEST	CHUM SALMON HARVEST	SOCKEYE SALMON HARVEST	COHO SALMON HARVEST	TOTAL SALMON HARVEST
6/2/2026	16 h	S	71S	154	0	0	0	154
6/5/2026	16 h	S	181S	221	9	6	0	235
6/9/2026	16 h	S	243S	694	267	177	0	1,138
6/12/2026	12 h	D/S	392D/91S	1,928	1,307	394	0	3,629
6/16/2026	12 h	D/S	524D/77S	6,202	3,873	2,444	0	12,519
6/22/2026	12 h	D/S	734D/95S	13,888	15,843	13,853	0	43,583
2026 CUMULATIVES (up to 6/23/26)				23,087	21,299	16,874	0	61,258

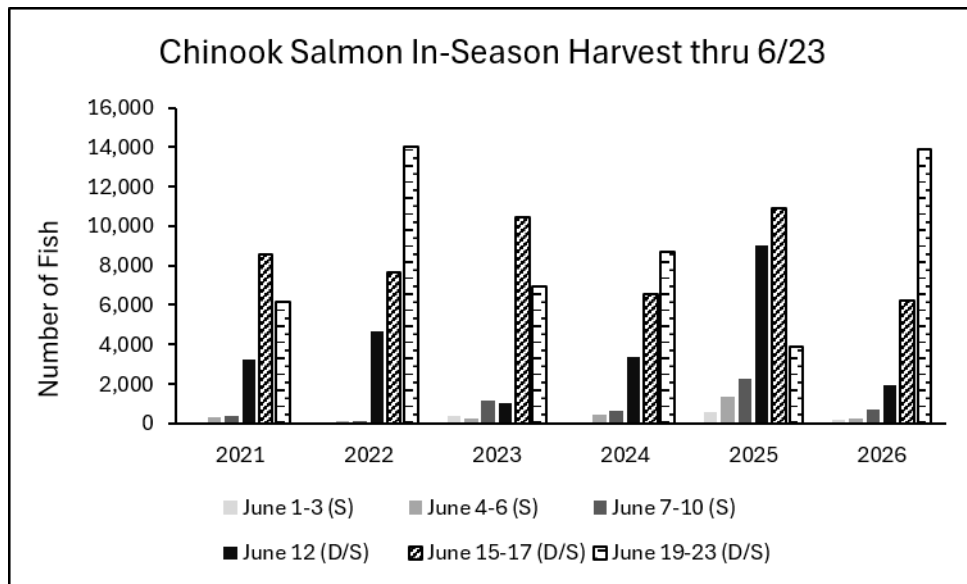


Figure 1. Lower River subsistence harvests of Chinook salmon for fishery openings by date through June 23 during 2021–2026. A single opening occurred in the shown date period for each year.

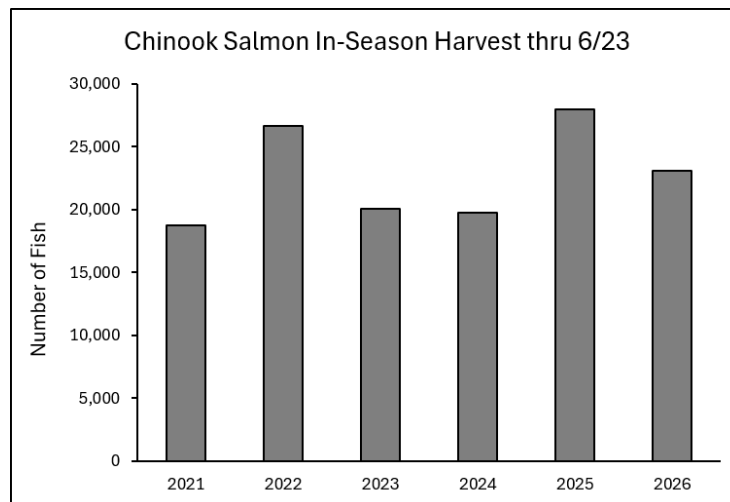


Figure 2. Cumulative Lower Kuskokwim River subsistence harvests of Chinook salmon through June 23 during 2021–2026.

Kuskokwim River In-season Harvest and Effort Estimates

6/22/2026 Subsistence Harvest Opportunity (Drift & Set Nets)

Opportunity Time Period: 7:00 AM – 7:00 PM (12 Hours)

Area Covered by Estimates: Tuntutuliak ↔ Bogus Cr.



Data Sources

TABLE 1. The number and percent of fisher interviews conducted by location and organization.

Data Source	Interviews	Percent
Other Villages (KRITFC)	98	48%
Bethel Boat Harbor (ONC)	90	44%
Bethel Area Fish Camps (ONC)	16	8%
Total	204	100%

Of these interviews, **199** were from drift nets and **5** were from set nets.

TABLE 2. The time each flight was conducted and fishers counted each flight.

Time Information			Nets Counted	
Start Time	End Time	Hours	Drift	Set
11:40 AM	1:45 PM	2.08	397	94
4:32 PM	7:05 PM	2.55	167	54

Effort Estimates

- An estimated **511** drift boat trips occurred.
 - An estimated **88%** of the trips counted on flight 2 were also counted on flight 1.
 - An estimated **94** trips started and ended when no flights occurred.
- An estimated **95** set net trips occurred.

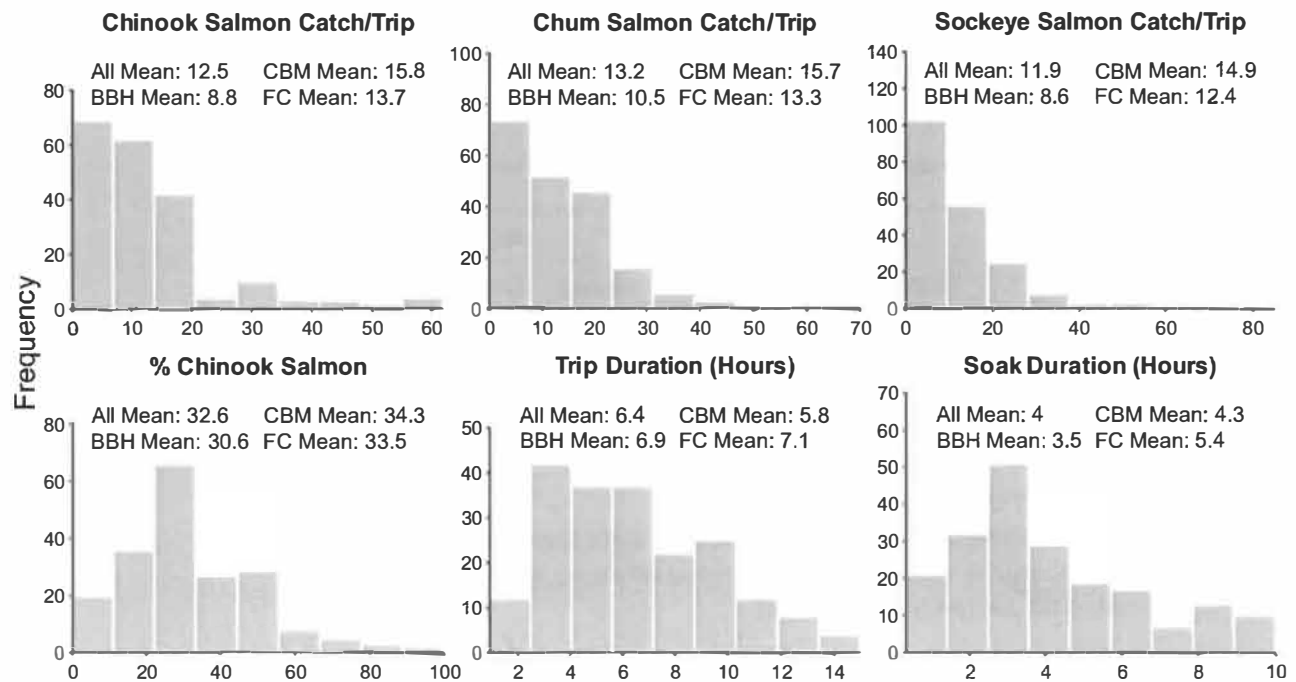
Harvest Estimates

- An estimated total of **30,579 (26,514 – 34,509)** salmon were harvested.
 - An estimated total of **9,785 (8,496 – 11,238)** Chinook salmon were harvested.
 - An estimated total of **11,082 (9,140 – 13,195)** chum salmon were harvested.
 - An estimated total of **9,712 (7,801 – 11,834)** sockeye salmon were harvested.
- Harvest by set nets accounted for an estimated **850 (166 – 1,733)** total salmon (**45%** Chinook salmon, **24%** chum salmon, and **31%** sockeye salmon).

TABLE 3. Summaries by river stratum (area) for drift nets. Numbers in parentheses are 95% confidence intervals.

Stratum	Interviews	Effort Est.	Estimated Harvest			
			Chinook	Chum	Sockeye	Total
Tuntutuliak ↔ Johnson R.	33	129	3,339 (2,444 – 4,521)	4,365 (2,788 – 6,333)	4,283 (2,641 – 6,208)	11,987 (8,956 – 15,020)
Johnson R. ↔ Napaskiak	54	88	1,164 (909 – 1,481)	1,772 (1,349 – 2,260)	1,523 (1,115 – 2,024)	4,459 (3,635 – 5,496)
Napaskiak ↔ Akiachak	87	223	2,431 (1,925 – 3,001)	3,266 (2,440 – 4,236)	2,984 (2,359 – 3,715)	8,681 (6,973 – 10,614)
Akiachak ↔ Akiak	20	37	1,794 (1,189 – 2,356)	892 (633 – 1,116)	248 (89 – 460)	2,933 (2,170 – 3,618)
Akiak ↔ Bogus Cr.	5	34	678 (476 – 912)	583 (465 – 715)	409 (325 – 495)	1,670 (1,366 – 2,017)
Total	199	511	9,405 (8,091 – 10,849)	10,878 (8,961 – 12,967)	9,446 (7,639 – 11,516)	29,729 (25,918 – 33,580)

FIGURE 1. Distributions of relevant quantities from all completed trips using drift nets. The mean quantity by primary data source is shown in the top right; BBH = Bethel Boat Harbor (ONC), CBM = Other Villages (KRITFC), FC = Bethel Area Fish Camps (ONC).



Appendix A: Detailed Interview Summaries

Column Meanings

- **Area:** the area of the river the trip occurred in
- **N:** the number of interviews with usable information in each area
- **Min:** the minimum value among trips in each area
- **25%:** the value that 25% of trips fell below in each area
- **Mean:** the average value across trips in each area
- **75%:** the value that 75% of trips fell below in each area
- **Max:** the maximum value among trips in each area

Information is for drift net trips only.

TABLE A1. Summary of drift net catch per trip of Chinook salmon by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	2	7	16	20	60
Johnson R. ↔ Napaskiak	54	0	5	11	15	35
Napaskiak ↔ Akiachak	87	0	3	8	10	38
Akiachak ↔ Akiak	20	0	10	28	39	62
Akiak ↔ Bogus Cr.	5	0	10	19	18	57
All	199	0	5	13	16	62

TABLE A2. Summary of drift net catch rate of Chinook salmon by fishing area (fish per 150 feet of net per hour).

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	0.2	1.3	4	6	18.8
Johnson R. ↔ Napaskiak	54	0	1.3	3.6	4.6	19
Napaskiak ↔ Akiachak	87	0	1.1	2.9	3.4	18
Akiachak ↔ Akiak	20	0	3.1	16.9	26.7	55
Akiak ↔ Bogus Cr.	5	0	1.7	2.6	2.2	7.1
All	199	0	1.2	4.7	4.6	55

TABLE A3. Summary of drift net catch per trip of chum salmon by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	0	5	17	20	70
Johnson R. ↔ Napaskiak	54	0	8	14	20	40
Napaskiak ↔ Akiachak	87	0	4	11	16	37
Akiachak ↔ Akiak	20	0	8	14	19	34
Akiak ↔ Bogus Cr.	5	0	12	18	22	35
All	199	0	5	13	19	70

TABLE A4. Summary of drift net catch rate of chum salmon by fishing area (fish per 150 feet of net per hour).

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	0	0.8	5.3	6.6	36
Johnson R. ↔ Napaskiak	54	0	2	5.5	6.1	30
Napaskiak ↔ Akiachak	87	0	1.2	3.8	3.9	25
Akiachak ↔ Akiak	20	0	1.8	8.3	15	27.4
Akiak ↔ Bogus Cr.	5	0	2.1	2.5	3.3	4.4
All	199	0	1.5	4.9	5.7	36

TABLE A5. Summary of drift net catch per trip of sockeye salmon by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	0	5	21	29	85
Johnson R. ↔ Napaskiak	54	0	4	12	17	25
Napaskiak ↔ Akiachak	87	0	4	10	14	51
Akiachak ↔ Akiak	20	0	0	7	13	34
Akiak ↔ Bogus Cr.	5	0	0	14	18	35
All	199	0	4	12	17	85

TABLE A6. Summary of drift net catch rate of sockeye salmon by fishing area (fish per 150 feet of net per hour).

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	0	0.9	5.2	6.3	38.7
Johnson R. ↔ Napaskiak	54	0	1.6	4.7	5.4	33.3
Napaskiak ↔ Akiachak	87	0	1.3	3.5	4.2	20
Akiachak ↔ Akiak	20	0	0	2.2	3.5	13.6
Akiak ↔ Bogus Cr.	5	0	0	1.9	2.7	4.4
All	199	0	1	3.9	4.5	38.7

TABLE A7. Summary of drift net percent composition of Chinook salmon by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	6%	18%	33%	42%	89%
Johnson R. ↔ Napaskiak	54	0%	19%	28%	34%	65%
Napaskiak ↔ Akiachak	87	0%	20%	30%	42%	78%
Akiachak ↔ Akiak	20	20%	50%	57%	68%	100%
Akiak ↔ Bogus Cr.	5	23%	29%	36%	45%	45%
All	199	0%	20%	33%	43%	100%

TABLE A8. Summary of drift net trip duration by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	1	4	6.6	9	13.6
Johnson R. ↔ Napaskiak	54	1	4	5.7	7.4	12
Napaskiak ↔ Akiachak	87	0.9	4.5	6.6	8.4	14.3
Akiachak ↔ Akiak	20	2.2	3.9	6.7	10.1	15
Akiak ↔ Bogus Cr.	5	5.5	8	8.2	9	9.5
All	199	0.9	4	6.4	8.5	15

TABLE A9. Summary of drift net active fishing hours by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	0.5	1.5	3.8	5.3	10
Johnson R. ↔ Napaskiak	54	0.3	2.2	3.7	4	10
Napaskiak ↔ Akiachak	87	0.5	2.1	4.2	5.8	10
Akiachak ↔ Akiak	20	1.8	3	4	4.3	8.5
Akiak ↔ Bogus Cr.	5	4.5	5.8	6.4	8	8
All	199	0.3	2.2	4	5.3	10

Appendix B: Non-salmon Harvest Information

- An estimated total of **195 (100 – 316)** nonsalmon were harvested.
 - An estimated total of **143 (53 – 268)** sheefish were harvested.
 - An estimated total of **52 (27 – 84)** all whitefishes were harvested.
- Harvest by set nets accounted for an estimated **0 (0 – 0)** total nonsalmon (**0%** sheefish and **0%** all whitefishes).

TABLE B1. Summaries by river stratum (area) for drift nets. Numbers in parentheses are 95% confidence intervals.

Stratum	Interviews	Effort Est.	Estimated Harvest		
			Sheefish	Whitefish	Total
Tuntutuliak ↔ Johnson R.	33	129	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Johnson R. ↔ Napaskiak	54	88	21 (2 – 45)	15 (3 – 33)	36 (12 – 67)
Napaskiak ↔ Akiachak	87	223	105 (18 – 227)	23 (6 – 46)	129 (36 – 255)
Akiachak ↔ Akiak	20	37	3 (0 – 8)	8 (0 – 22)	10 (0 – 25)
Akiak ↔ Bogus Cr.	5	34	14 (4 – 28)	7 (3 – 11)	21 (9 – 36)
Total	199	511	143 (53 – 268)	52 (27 – 84)	195 (100 – 316)

TABLE B2. Summary of drift net catch per trip of sheefish by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	0	0	0	0	0
Johnson R. ↔ Napaskiak	54	0	0	0	0	8
Napaskiak ↔ Akiachak	87	0	0	0	0	3
Akiachak ↔ Akiak	20	0	0	0	0	1
Akiak ↔ Bogus Cr.	5	0	1	2	1	6
All	199	0	0	0	0	8

TABLE B3. Summary of drift net catch per trip of all whitefishes by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	33	0	0	0	0	0
Johnson R. ↔ Napaskiak	54	0	0	0	0	5
Napaskiak ↔ Akiachak	87	0	0	0	0	2
Akiachak ↔ Akiak	20	0	0	0	0	2
Akiak ↔ Bogus Cr.	5	1	2	2	3	4
All	199	0	0	0	0	5