

Kuskokwim River Salmon Management Working Group

1 (800) 315-6338 (MEET) Code: 58756# (KUSKO)

ADF&G Bethel toll free: 1 (855) 933-2433

Meeting Agenda

Date: June 25th, 2025

Time: 10 am

Place: Bethel

Time Called to Order:

Chair:

ROLL CALL TO ESTABLISH QUORUM:

Upriver Elder:

Downriver Elder:

Commercial Fisher:

Lower River Subsistence:

Middle River Subsistence:

Upper River Subsistence:

Headwaters Subsistence:

QUORUM MET? Yes / No

Processor:

Member at Large:

Sport Fisher:

Western Interior RAC:

Y-K Delta RAC:

KRITFC:

ADF&G:

INTRODUCTIONS:

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, ONC Inseason Subsistence Report, KRITFC Inseason Harvest Report, Lower River, Middle River, Upper River, Headwaters
- B. Overview of Kuskokwim River salmon run assessment:
 - 1. ADF&G – Sean Larson (sonar/weirs/ATF)
 - 2. USFWS – Nate Akers
 - 3. NVN – Dan Gillikin
 - 4. ONC – Jacob Wade
 - 5. KRITFC – Justin Leon
- C. Intercept Fishery Report: *optional*
- D. Yukon Delta National Wildlife Refuge Fishery Management update – Spencer Rearden and Kevin Whitworth
- E. ADF&G upcoming management considerations and discussion of possible alternatives (recommendations from the Working Group) – Sam Decker
- F. Motions for Discussion and Action

OLD BUSINESS:

- G. Update on teleconference platform switch

NEW BUSINESS:

- F. Co-chairs update

COMMENTS FROM WORKING GROUP MEMBERS:

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

Kuskokwim River Salmon Management Working Group
ADF&G Bethel toll free: 1 (855) 933-2433

Informational Packet

Information Packets *ARE*:

- **Intended to help inform Working Group discussions.**
- **To be viewed and used in context with Working Group meetings only.**

Packets *ARE NOT*:

- **To be viewed as standalone documents.**
- **A final say on fisheries management decisions.**

Please use this information responsibly:

Packet information is an incomplete snapshot of an ongoing discussion and changing conditions. Packet information should not be reproduced for any purpose other than to describe Working Group meeting discussions.

Misuse of Packet information can contribute to misunderstandings that can **cause harm to salmon users** and potentially **damage salmon resources**.

Ask Questions: ADF&G staff will be happy to answer biology and management questions. Please call **1-855-933-2433** to reach ADF&G Kuskokwim Area staff.

Attend Meetings: Each Working Group meeting is announced at least 48 hours prior to time and date of meeting. In addition, each meeting is recorded. Recordings can be found here:
http://www.adfg.alaska.gov/index.cfm?adfg=commercialbyarea_kuskokwim.kswg

Viewing the information packet while listening to meetings/recordings will provide a better understanding of the information presented in this packet.

**Thank you,
Kuskokwim ADF&G**



Orutsararmiut Native Council (ONC) Inseason Harvest Monitoring Weekly Report

June 25, 2025

Summary of Interview Activities

ONC fisheries staff contacted prior year Bethel area fish camp users and were granted permission by 74 fish camps to continue conducting surveys this season. We will continue our efforts in seeking authorization to conduct surveys with the other camps that we've been unable to contact thus far.

Comments from interviewees at the boat harbor and fish camp from the June 21st drift/set net opportunity include the following: 3 subsistence users desired more fishing opportunities. One fisherman commented that the barges need to be moved. One fishman noticed that there were less kings in this opener.

Table 1. Average number of salmon harvested by surveyed Bethel area fish camps and Bethel boat harbor from the June 21st 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	10	6.2	5.3	4.3	0.2	120-150	4-6
Bethel Boat Harbor	80	6.9	4.9	9.1	0.5	35-300	4-6

Chinook Salmon Age-Sex-Length (ASL) Sampling Program Recruitment

We continue to have people turn in ASL samples, though the amounts are slowing down. A total of 294 samples have been turned in.

Fish Distribution

Fish distribution is going well and have delivered Salmon to over 40 families so far. We were unable to deliver fish on Sunday due to a net getting a snag at the sonar.

Kuskokwim River In-season Harvest and Effort Estimates

6/16/2025 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
Bethel Boat Harbor (ONC)	135	58%
Other Villages (KRITFC)	87	38%
Bethel Area Fish Camps (ONC)	9	4%
Total	231	100%

Of these interviews, **220** were from drift nets and **11** 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
10:10 AM	11:39 AM	1.48	381	6
3:33 PM	5:02 PM	1.48	287	8

Effort Estimates

- An estimated **497** drift boat trips occurred.
 - An estimated **72%** of the trips counted on flight 2 were also counted on flight 1.
 - An estimated **36** trips started and ended when no flights occurred.
- An estimated **11** set net trips occurred.

Harvest Estimates

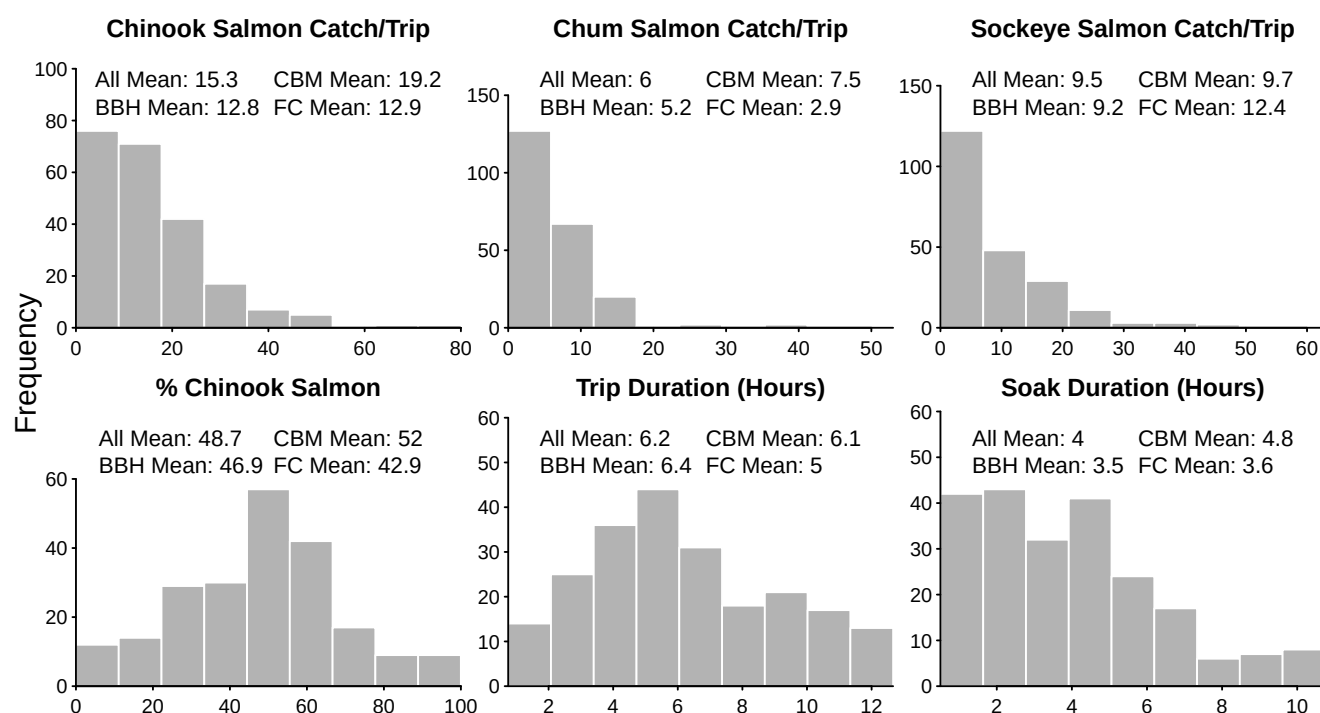
- An estimated total of **23,043 (20,519 – 26,055)** salmon were harvested.
 - An estimated total of **11,342 (9,951 – 12,999)** Chinook salmon were harvested.
 - An estimated total of **4,795 (4,022 – 5,606)** chum salmon were harvested.
 - An estimated total of **6,907 (5,684 – 8,277)** sockeye salmon were harvested.
- Harvest by set nets accounted for an estimated **168 (79 – 306)** total salmon (**39%** Chinook salmon, **12%** chum salmon, and **49%** 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.	23	95	3,121 (2,189 – 4,360)	1,337 (807 – 1,900)	956 (386 – 1,668)	5,414 (3,808 – 7,675)
Johnson R. ↔ Napaskiak	47	107	2,408 (1,890 – 2,992)	1,147 (791 – 1,561)	1,747 (1,218 – 2,392)	5,302 (4,387 – 6,213)
Napaskiak ↔ Akiachak	127	217	4,397 (3,595 – 5,317)	1,637 (1,237 – 2,033)	3,151 (2,421 – 4,051)	9,184 (7,695 – 10,942)
Akiachak ↔ Akiak	23	36	507 (367 – 672)	297 (207 – 400)	370 (264 – 503)	1,174 (895 – 1,468)
Akiak ↔ Bogus Cr.	0	42	844 (704 – 995)	355 (286 – 431)	602 (478 – 736)	1,801 (1,545 – 2,092)
Total	220	497	11,277 (9,903 – 12,948)	4,774 (3,985 – 5,576)	6,825 (5,586 – 8,180)	22,875 (20,323 – 25,871)

TABLE 4. Estimated trips, average (95% confidence limits) total salmon catch per trip, and percent catch by species summarized for the areas above and below the confluence of the Johnson River with the Kuskokwim River. Quantities are derived from the strata- and species-specific harvest estimates, not the raw interview data.

Location	Total Trips	Total Catch/Trip	Salmon Species % Composition		
			Chinook	Chum	Sockeye
Downstream of Johnson R.	95	57 (40 – 81)	58% (47% – 67%)	25% (18% – 33%)	17% (10% – 25%)
Upstream of Johnson R.	402	43 (39 – 48)	47% (43% – 50%)	20% (17% – 22%)	34% (30% – 38%)

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.	23	3	10	20	22	80
Johnson R. ↔ Napaskiak	47	1	8	17	22	70
Napaskiak ↔ Akiachak	127	0	6	15	20	51
Akiachak ↔ Akiak	23	0	4	11	16	28
All	220	0	6	15	20	80

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.	23	0.5	3	7.9	9.4	47.3
Johnson R. ↔ Napaskiak	47	0.2	2.4	5	6.2	21.9
Napaskiak ↔ Akiachak	126	0	1.7	5.3	6.3	40
Akiachak ↔ Akiak	23	0	3.8	9	12.5	22.4
All	219	0	2.1	5.9	7.6	47.3

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.	23	0	2	8	10	40
Johnson R. ↔ Napaskiak	47	0	2	7	10	25
Napaskiak ↔ Akiachak	127	0	1	5	8	53
Akiachak ↔ Akiak	23	0	3	6	9	12
All	220	0	1	6	9	53

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.	23	0	0.8	3.4	4.2	15.8
Johnson R. ↔ Napaskiak	47	0	0.6	2.4	2.5	20
Napaskiak ↔ Akiachak	126	0	0.2	2	2.3	15
Akiachak ↔ Akiak	23	0	1.8	5.2	7.3	20.3
All	219	0	0.4	2.6	3.3	20.3

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.	23	0	0	9	12	50
Johnson R. ↔ Napaskiak	47	1	4	11	15	46
Napaskiak ↔ Akiachak	127	0	2	10	13	63
Akiachak ↔ Akiak	23	0	4	6	8	18
All	220	0	2	9	13	63

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.	23	0	0	2.4	2.5	18
Johnson R. ↔ Napaskiak	47	0.1	1.2	3.7	3.7	27.4
Napaskiak ↔ Akiachak	126	0	0.9	3.8	4	48
Akiachak ↔ Akiak	23	0	2.3	6.5	9	28.4
All	219	0	1	3.9	4	48

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

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	23	12%	49%	56%	67%	97%
Johnson R. ↔ Napaskiak	47	6%	31%	47%	59%	85%
Napaskiak ↔ Akiachak	127	0%	34%	49%	62%	100%
Akiachak ↔ Akiak	23	0%	35%	44%	57%	70%
All	220	0%	34%	49%	61%	100%

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

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	23	3	4.5	6.2	7.6	11.4
Johnson R. ↔ Napaskiak	47	3	5.8	7.2	9.7	12
Napaskiak ↔ Akiachak	126	1	4	6.3	8.5	12.7
Akiachak ↔ Akiak	23	0.8	1.2	3.6	4.5	11
All	219	0.8	4	6.2	8.5	12.7

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

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	23	1	2.2	3.4	4.8	7.5
Johnson R. ↔ Napaskiak	47	1	3.2	5.1	6.6	9.5
Napaskiak ↔ Akiachak	126	0.5	2	4	5.2	10.8
Akiachak ↔ Akiak	23	0.5	1	2.5	3.6	6.5
All	219	0.5	2.2	4	5.5	10.8

Appendix B: Non-salmon Harvest Information

- An estimated total of **214 (137 – 300)** nonsalmon were harvested.
 - An estimated total of **145 (82 – 221)** sheefish were harvested.
 - An estimated total of **69 (28 – 118)** all whitefishes were harvested.
- Harvest by set nets accounted for an estimated **13 (0 – 34)** total nonsalmon (**77%** sheefish and **23%** 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.	23	95	11 (0 – 29)	36 (0 – 84)	47 (11 – 93)
Johnson R. ↔ Napaskiak	47	107	32 (4 – 69)	4 (0 – 11)	36 (8 – 75)
Napaskiak ↔ Akiachak	127	217	80 (37 – 141)	21 (6 – 40)	101 (53 – 161)
Akiachak ↔ Akiak	23	36	0 (0 – 0)	2 (0 – 5)	2 (0 – 5)
Akiak ↔ Bogus Cr.	0	42	12 (5 – 21)	4 (1 – 7)	16 (9 – 25)
Total	220	497	135 (77 – 207)	66 (26 – 116)	201 (127 – 283)

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

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	23	0	0	0	0	1
Johnson R. ↔ Napaskiak	47	0	0	0	0	2
Napaskiak ↔ Akiachak	127	0	0	0	0	16
Akiachak ↔ Akiak	23	0	0	0	0	0
All	220	0	0	0	0	16

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.	23	0	0	0	0	2
Johnson R. ↔ Napaskiak	47	0	0	0	0	1
Napaskiak ↔ Akiachak	127	0	0	0	0	1
Akiachak ↔ Akiak	23	0	0	0	0	1
All	220	0	0	0	0	2

Kuskokwim River In-season Harvest and Effort Estimates

6/21/2025 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
Bethel Boat Harbor (ONC)	78	54%
Other Villages (KRITFC)	57	39%
Bethel Area Fish Camps (ONC)	10	7%
Total	145	100%

Of these interviews, **142** were from drift nets and **3** 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
10:41 AM	12:31 PM	1.83	257	27
3:08 PM	4:48 PM	1.67	182	21

Effort Estimates

- An estimated **315** drift boat trips occurred.
 - An estimated **84%** of the trips counted on flight 2 were also counted on flight 1.
 - An estimated **29** trips started and ended when no flights occurred.
- An estimated **29** set net trips occurred.

Harvest Estimates

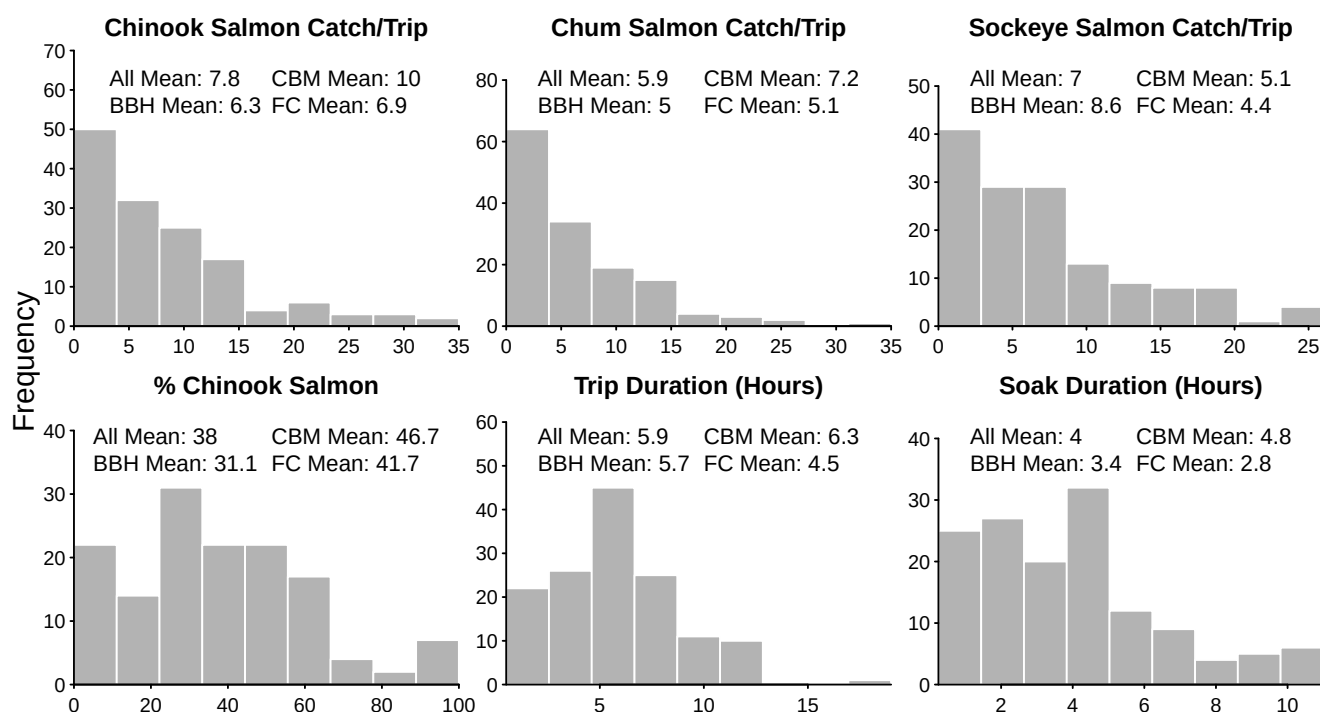
- An estimated total of **10,288 (9,126 – 11,417)** salmon were harvested.
 - An estimated total of **3,821 (3,236 – 4,346)** Chinook salmon were harvested.
 - An estimated total of **2,663 (2,230 – 3,100)** chum salmon were harvested.
 - An estimated total of **3,804 (3,130 – 4,495)** sockeye salmon were harvested.
- Harvest by set nets accounted for an estimated **281 (193 – 377)** total salmon (**21%** Chinook salmon, **40%** chum salmon, and **39%** 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.	12	50	1,312 (989 – 1,584)	780 (492 – 1,038)	236 (96 – 383)	2,327 (1,676 – 2,840)
Johnson R. ↔ Napaskiak	30	62	504 (356 – 683)	532 (365 – 739)	834 (522 – 1,207)	1,870 (1,443 – 2,336)
Napaskiak ↔ Akiachak	72	161	1,378 (983 – 1,782)	983 (733 – 1,281)	2,177 (1,678 – 2,757)	4,538 (3,695 – 5,453)
Akiachak ↔ Akiak	28	22	347 (224 – 487)	132 (74 – 216)	206 (117 – 323)	685 (442 – 964)
Akiak ↔ Bogus Cr.	0	20	222 (173 – 273)	123 (95 – 158)	245 (192 – 307)	590 (494 – 703)
Total	142	315	3,763 (3,178 – 4,285)	2,550 (2,114 – 3,000)	3,696 (3,042 – 4,389)	10,009 (8,876 – 11,127)

TABLE 4. Estimated trips, average (95% confidence limits) total salmon catch per trip, and percent catch by species summarized for the areas above and below the confluence of the Johnson River with the Kuskokwim River. Quantities are derived from the strata- and species-specific harvest estimates, not the raw interview data.

Location	Total Trips	Total Catch/Trip	Salmon Species % Composition		
			Chinook	Chum	Sockeye
Downstream of Johnson R.	50	47 (34 – 57)	57% (51% – 63%)	33% (27% – 39%)	10% (5% – 16%)
Upstream of Johnson R.	265	29 (25 – 33)	32% (28% – 36%)	23% (19% – 27%)	45% (40% – 50%)

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.	12	2	17	22	30	35
Johnson R. ↔ Napaskiak	30	0	3	7	12	15
Napaskiak ↔ Akiachak	72	0	2	7	10	26
Akiachak ↔ Akiak	28	0	2	5	8	19
All	142	0	2	8	11	35

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.	12	0.2	2.9	4.6	6.5	8.2
Johnson R. ↔ Napaskiak	30	0	1	2.1	2.3	11.4
Napaskiak ↔ Akiachak	71	0	0.8	2.4	3.5	10.4
Akiachak ↔ Akiak	28	0	0.4	5.2	8	16
All	141	0	0.8	3.1	4	16

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.	12	0	8	13	18	35
Johnson R. ↔ Napaskiak	30	0	4	7	10	16
Napaskiak ↔ Akiachak	72	0	1	5	6	24
Akiachak ↔ Akiak	28	0	1	4	5	26
All	142	0	1	6	9	35

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.	12	0	1	2.7	4.1	5.3
Johnson R. ↔ Napaskiak	30	0	1	2.2	2.7	12
Napaskiak ↔ Akiachak	71	0	0.4	1.7	2.3	8
Akiachak ↔ Akiak	28	0	0.5	2	2.8	9.2
All	141	0	0.5	2	2.7	12

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.	12	0	0	4	8	14
Johnson R. ↔ Napaskiak	30	0	4	9	14	26
Napaskiak ↔ Akiachak	72	0	3	7	10	26
Akiachak ↔ Akiak	28	0	0	4	4	22
All	142	0	2	7	10	26

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.	12	0	0	0.8	1.6	2.7
Johnson R. ↔ Napaskiak	30	0	1.1	3.4	3.3	20
Napaskiak ↔ Akiachak	71	0	0.9	3.7	4.5	20
Akiachak ↔ Akiak	28	0	0	3.1	4.9	16
All	141	0	0.7	3.3	4	20

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

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	12	23%	52%	59%	67%	100%
Johnson R. ↔ Napaskiak	30	0%	24%	30%	38%	55%
Napaskiak ↔ Akiachak	72	0%	18%	35%	48%	100%
Akiachak ↔ Akiak	28	0%	24%	46%	64%	100%
All	142	0%	22%	38%	52%	100%

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

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	12	3.2	4.6	5.4	6.1	8.3
Johnson R. ↔ Napaskiak	30	1	4.1	5.7	7.2	10.5
Napaskiak ↔ Akiachak	71	1	3.7	6	7.5	12
Akiachak ↔ Akiak	28	0.5	1.2	5.7	9.2	19
All	141	0.5	3.5	5.8	7.5	19

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

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	12	1.5	2.4	3.4	4.1	5
Johnson R. ↔ Napaskiak	30	0.8	3	4.2	5.5	10
Napaskiak ↔ Akiachak	71	0.5	2	4.1	5.5	11
Akiachak ↔ Akiak	28	0.2	0.9	3.8	5.8	11
All	141	0.2	2	4	5.3	11

Appendix B: Non-salmon Harvest Information

- An estimated total of **347 (240 – 465)** nonsalmon were harvested.
 - An estimated total of **112 (56 – 178)** sheefish were harvested.
 - An estimated total of **235 (161 – 325)** all whitefishes were harvested.
- Harvest by set nets accounted for an estimated **12 (0 – 29)** total nonsalmon (**0%** sheefish and **100%** 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.	12	50	7 (0 – 24)	19 (0 – 49)	26 (0 – 57)
Johnson R. ↔ Napaskiak	30	62	60 (18 – 111)	39 (9 – 79)	99 (43 – 167)
Napaskiak ↔ Akiachak	72	161	41 (10 – 84)	147 (88 – 219)	188 (114 – 272)
Akiachak ↔ Akiak	28	22	1 (0 – 2)	4 (0 – 11)	5 (0 – 12)
Akiak ↔ Bogus Cr.	0	20	4 (1 – 7)	14 (8 – 21)	17 (10 – 26)
Total	142	315	112 (56 – 178)	222 (149 – 311)	334 (228 – 449)

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

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	12	0	0	0	0	1
Johnson R. ↔ Napaskiak	30	0	0	1	1	10
Napaskiak ↔ Akiachak	72	0	0	0	0	3
Akiachak ↔ Akiak	28	0	0	0	0	3
All	142	0	0	0	0	10

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.	12	0	0	0	0	3
Johnson R. ↔ Napaskiak	30	0	0	0	0	3
Napaskiak ↔ Akiachak	72	0	0	0	1	3
Akiachak ↔ Akiak	28	0	0	0	0	2
All	142	0	0	0	1	3


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

2021 Lower River Harvest Estimates (Tuntutuliak to Akiak) – KRITFC + ONC + USFWS Data							
2021 FISHING DATE	PERIOD	GEAR TYPE	TRIPS	CHINOOK SALMON HARVEST	CHUM SALMON HARVEST	SOCKEYE SALMON HARVEST	TOTAL SALMON HARVEST
6/2/2021	16 h	S	29S	30	0	0	30
6/5/2021	16 h	S	91S	300	10	40	350
6/9/2021	16 h	S	107S	390	0	20	410
6/12/2021	12 h	D/S	381D/23S	3,260	70	350	3,640
6/15/2021	12 h	D/S	467D/31S	8,580	360	1,400	10,340
6/19/2021	12 h	D/S	511D/31S	6,190	990	2,400	9,580
6/28/2021	12 h	D/S	220D/8S	3,010	970	6,960	10,940
7/2/2021	9 h	D/S	211D/4S	1,330	1,150	8,990	11,460
7/9/2021	12 h	D/S	-	-	-	-	-
7/10/2021	24 h	S	-	-	-	-	-
7/11/2021	24 h (c.)	S	-	-	-	-	-
7/16/2021	12 h	D/S	189D/4S	250	660	3,400	4,320
7/17/2021	24 h	S	-	-	-	-	-
7/18/2021	24 h (c.)	S	-	-	-	-	-
2021 CUMULATIVES				23,340	4,210	23,560	51,110

2022 Lower River Harvest Estimates (Tuntutuliak to Akiak) – KRITFC + ONC + USFWS Data							
2022 FISHING DATE	PERIOD	GEAR TYPE	TRIPS	CHINOOK SALMON HARVEST	CHUM SALMON HARVEST	SOCKEYE SALMON HARVEST	TOTAL SALMON HARVEST
6/1/2022	16 h	S	30S	30	0	0	30
6/4/2022	16 h	S	75S	80	0	0	80
6/8/2022	16 h	S	78S	120	0	20	140
6/12/2022	12 h	D/S	457D/22S	4,700	60	360	5,120
6/16/2022	12 h	D/S	473D/32S	7,680	160	1,920	9,770
6/22/2022	12 h	D/S	572D/17S	14,000	950	13,720	28,670
6/29/2022	36 h	S	74S	580	270	2,620	3,470
6/30/2022	36 h (c.)	S	72S	970	180	1,270	2,420
7/3/2022	36 h	S	69S	660	300	1,160	2,120
7/4/2022	36 h (c.)	S	-	-	-	-	-
7/9/2022	12 h	D/S	147D	480	1,730	3,730	5,940
7/10/2022	16 h	S	-	-	-	-	-
7/16/2022	16 h	S	-	-	-	-	-
2022 CUMULATIVES				29,300	3,650	24,800	57,750

2023 Lower River Harvest Estimates (Tuntutuliak to Tuluksak) – KRITFC + ONC + USFWS Data								
2023 FISHING DATE	PERIOD	GEAR TYPE	TRIPS	CHINOOK SALMON HARVEST	CHUM SALMON HARVEST	SOCKEYE SALMON HARVEST	COHO SALMON HARVEST	TOTAL SALMON HARVEST
6/3/2023	16 h	S	60S	376	4	0	0	381
6/6/2023	16 h	S	82S	220	1	0	0	221
6/9/2023	16 h	S	129S	1,064	15	122	0	1,201
6/12/2023	12 h	D/S	202D/31S	1,003	107	414	0	1,524
6/17/2023	12 h	D/S	484D/36S	10,437	2,957	6,160	0	19,554
6/23/2023	12 h	D/S	449D/33S	6,949	4,647	9,541	38?	21,175


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

6/30/2023	24 h	S	101S	593	1,298	6,454	0	8,345
7/1/2023	24h (c.)	S	-	-	-	-	-	-
7/4/2023	48h	S	39S	117	280	1,232	0	1,629
7/5/2023	48h (c.)	S	-	-	-	-	-	-
7/6/2023	48h (c.)	S	-	-	-	-	-	-
7/7/2023	24h	S	-	-	-	-	-	-
7/8/2023	24h (c.)	S	-	-	-	-	-	-
7/11/2023	6h	D/S	120D/16S	260	1,914	4,475	0	6,649
7/17/2023	12h	S	14S	17	108	180	0	305
7/19/2023	12h	S	17S	13	159	136	0	308
7/21/2023	12h	S	-	-	-	-	-	-
7/24/2023	6h	S	7S	13	65	56	30	164
7/26/2023	6h	S	-	-	-	-	-	-
8/3/2023	12h	D/S	129D/6S	35	521	188	4,027	4,771
8/9/2023	12h	D/S	41D/1S	0	27	36	1,225	1,288
8/12/23	12h	D/S	62D/9S	0	75	37	2,161	2,273
2023 CUMULATIVES				21,119	12,178	29,031	7,481	69,809

2024 Lower River Harvest Estimates (Tuntutuliak to Tuluksak) – KRITFC + ONC + USFWS Data

2024 FISHING DATE	PERIOD	GEAR TYPE	TRIPS	CHINOOK SALMON HARVEST	CHUM SALMON HARVEST	SOCKEYE SALMON HARVEST	COHO SALMON HARVEST	TOTAL SALMON HARVEST
6/3/2024	16 h	S	78S	50	4	0	0	54
6/6/2024	16 h	S	156S	422	8	22	0	452
6/10/2024	16 h	S	214S	622	85	51	0	758
6/12/2024	12 h	D/S	461D/24S	3,351	618	189	0	4,158
6/16/2024	12 h	D/S	505D/85S	6,561	923	1,454	0	8,938
6/22/2024	12 h	D/S	475D/39S	8,709	7,657	7,953	0	24,319
7/1/2024	24 h	S	148S	921	1,700	2,078	0	4,699
7/2/2024	24 h (c.)	S	-	-	-	-	-	-
7/6/2024	48 h	S	S	542	683	920	0	2,145
7/7/2024	48 h (c.)	S	46S	264	542	1,081	0	1,887
7/8/2024	48 h (c.)	S	-	-	-	-	-	-
7/12/2024	24 h	D/S	-	-	-	-	-	-
7/13/2024	24 h (c.)	D/S	68S	-	-	-	-	-
7/16/2024	24 h	S	18S	46	129	228	39	442
7/17/2024	24 h (c.)	S	-	-	-	-	-	-
7/19/2024	24 h	D/S	-	-	-	-	-	-
7/20/2024	24 h (c.)	D/S	8D/7S	12	190	127	13	342
7/23/2024	210 h	D/S	-	-	-	-	-	-
7/24/2024	210 h (c.)	D/S	-	-	-	-	-	-
7/25/2024	210 h (c.)	D/S	-	-	-	-	-	-
7/26/2024	210 h (c.)	D/S	-	-	-	-	-	-
7/27/2024	210 h (c.)	D/S	-	-	-	-	-	-
7/28/2024	210 h (c.)	D/S	-	-	-	-	-	-
7/29/2024	210 h (c.)	D/S	-	-	-	-	-	-
7/30/2024	210 h (c.)	D/S	-	-	-	-	-	-
7/31/2024	210 h (c.)	D/S	-	-	-	-	-	-
8/5/2024	12 h	D/S	48D/11S	1	87	115	1,291	1,494
8/10/2024	12 h	D/S	51D/64S	4	31	172	1,472	1,679
8/15/2024	36 h	D/S	-	-	-	-	-	-
8/16/2024	36 h (c.)	D/S	-	-	-	-	-	-
2024 CUMULATIVES				21,505	12,657	14,390	2,815	51,367



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

2025 Lower River Harvest Estimates (Tuntutuliak to Tuluksak) – KRITFC + ONC + USFWS Data								
2025 FISHING DATE	PERIOD	GEAR TYPE	TRIPS	CHINOOK SALMON HARVEST	CHUM SALMON HARVEST	SOCKEYE SALMON HARVEST	COHO SALMON HARVEST	TOTAL SALMON HARVEST
6/3/2025	16 h	S	104S	599	57	51	0	708
6/6/2025	16 h	S	240S	1,337	186	251	0	1,774
6/9/2025	16 h	S	233S	2,252	179	259	0	2,690
6/12/2025	12 h	D/S	414D/81S	8,956	1,220	2,423	0	12,599
6/16/2025	12 h	D/S	497D/11S	11,342	4,795	6,907	0	23,043
6/21/2025	12 h	D/S	315D/29S	3,821	2,663	3,804	0	10,288
2025 CUMULATIVES (up to 6/23/25)				28,307	9,100	13,695	0	51,102

Note: The (c.) seen behind some hours is for (continued), in cases where openers are extended between 2 calendar days.

Kuskokwim River Salmon Assessment Update

6/23/2025



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.

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Abbreviations

- ATF: Aniak Test Fishery
- CPUE: Catch-per-unit-effort
- EOS: End-of-Season
- ADF&G: Alaska Department of Fish and Game
- KRITFC: Kuskokwim River Inter-tribal Fisheries Commission
- OTNC: Orutsaramiut Traditional Native Council
- USFWS: United States Fish and Wildlife Service
- YDNWR: Yukon Delta National Wildlife Refuge

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

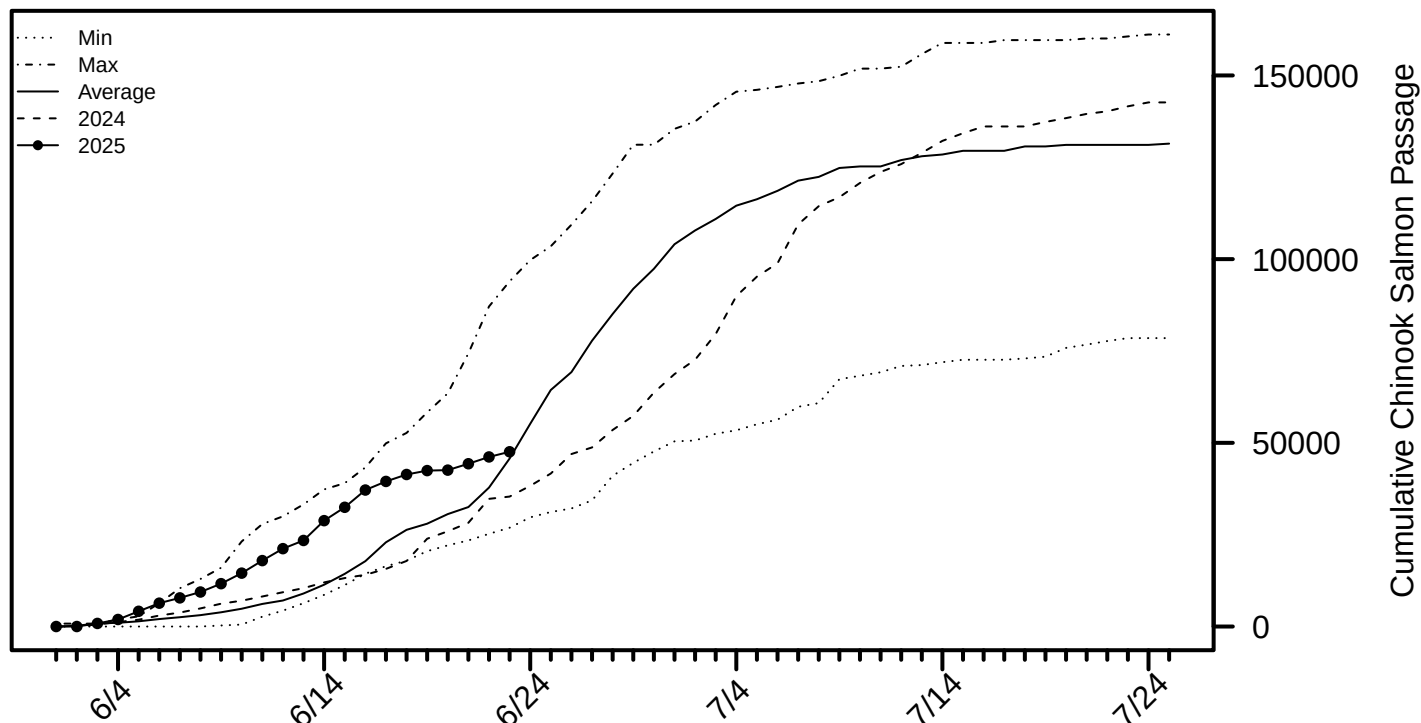
- **USFWS:** https://www.fws.gov/refuge/yukon_delta/wildlife_and_habitat/dailyupdate.html
- **ADF&G:** <http://www.adfg.alaska.gov/index.cfm?adfg=cfnews.main>

Chinook Salmon Summary (6/23)

Based on Kuskokwim River Sonar and Aniak Test Fishery

- The sonar daily passage was **1,408**.
- The sonar cumulative passage is now **47,569**.
- The average sonar cumulative passage is **47,139** for this date.
- **67%** of years since 2018 fell below the cumulative passage for this date.
- **28% - 44%** of the run is likely complete based historical run timing at the sonar.

Chinook Salmon Figure 1: The cumulative sonar passage from 2025 plotted along with the prior year, a year with near average (2018-2024) 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 2018-2024. *Note: Estimates are subject to change.*

Date	2025	2024	2023	2022	2021	2020	2019	2018	Average
6/20	42,574	25,921	22,093	30,191	27,344	20,870	63,466	30,604	31,498
6/21	44,307	28,244	23,437	35,356	29,403	22,943	74,343	32,520	35,178
6/22	46,161	34,757	25,228	58,532	32,528	25,548	87,113	37,818	43,075
6/23	47,569	35,369	26,894	65,635	34,004	28,388	93,957	45,728	47,139
EOS		142,662	79,166	145,896	102,549	106,764	161,888	132,971	124,557

Chinook Salmon Table 2. Cumulative CPUE from the ATF. Average includes years 2015-2024.

Date	2025	2024	2023	2022	2021	2020	2019	2018	Average
6/20	419	61	14	125	302	218	836	141	507
6/21	465	67	20	157	387	245	836	165	565
6/22	465	96	33	213	464	285	953	172	636
6/23	556	191	40	284	554	311	973	172	706
EOS		2,673	748	1,277	1,891	1,874	1,691	820	2,313

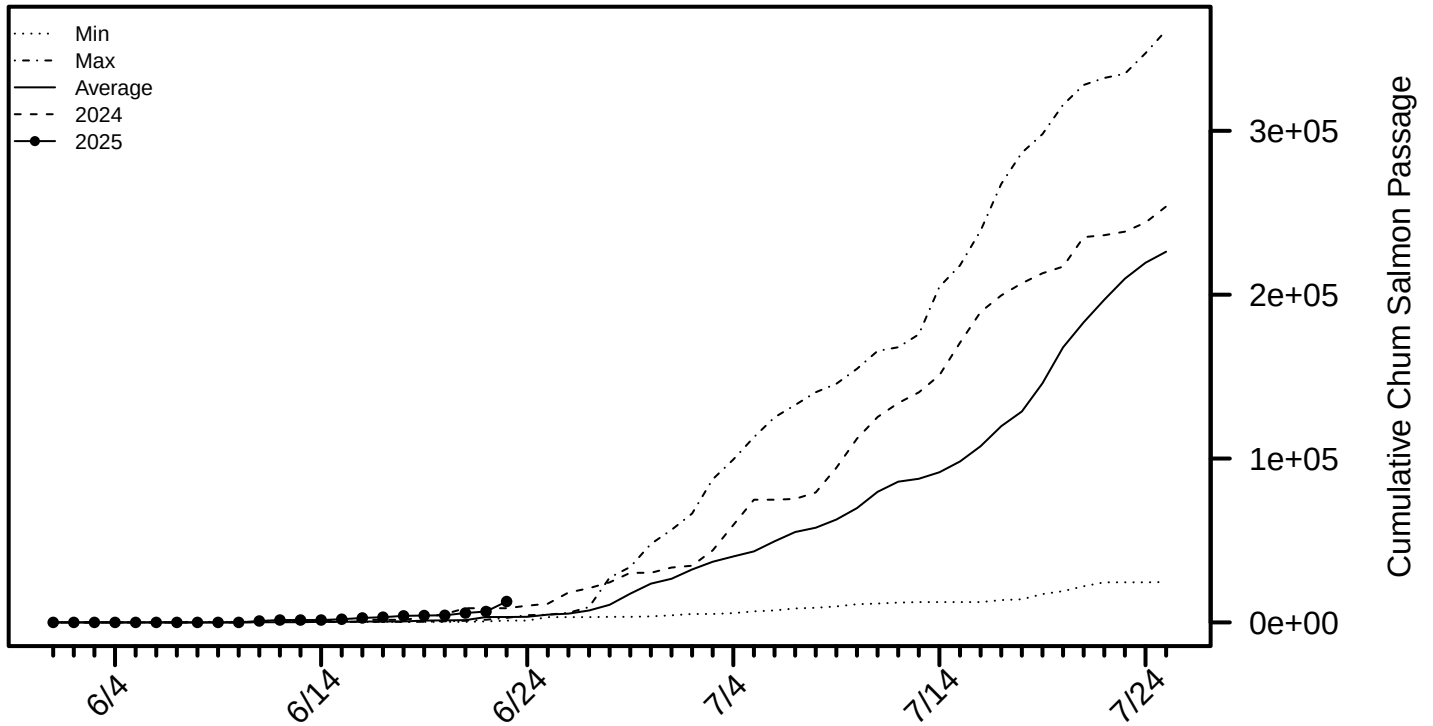
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Chum Salmon Summary (6/23)

Based on Kuskokwim River Sonar and Aniak Test Fishery

- The sonar daily passage was **6,098**.
- The sonar cumulative passage is now **12,744**.
- The average sonar cumulative passage is **4,052** for this date.
- **100%** of years since 2018 fell below the cumulative passage for this date
- **1% - 3%** of the run is likely complete based historical run timing at the sonar.

Chum Salmon Figure 1: The cumulative sonar passage from 2025 plotted along with the prior year, a year with near average (2018-2024) cumulative passage (2023), and years with the minimum (2021) and maximum (2019) 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 2018-2024. *Note: Estimates are subject to change.*

Date	2025	2024	2023	2022	2021	2020	2019	2018	Average
6/20	4,325	5,076	1,237	0	320	954	659	2,089	1,476
6/21	5,729	8,662	1,382	0	320	954	1,010	3,082	2,201
6/22	6,646	8,662	3,283	0	620	1,192	1,641	7,420	3,260
6/23	12,744	8,662	3,283	201	1,113	2,804	2,769	9,531	4,052
EOS		253,825	251,542	103,864	26,973	76,432	385,409	552,011	235,722

Chum Salmon Table 2. Cumulative CPUE from the ATF. Average includes years 2015-2024.

Date	2025	2024	2023	2022	2021	2020	2019	2018	Average
6/20	54	11	0	0	6	32	5	137	77
6/21	94	11	0	0	6	45	5	168	101
6/22	94	11	0	7	6	52	5	209	130
6/23	109	51	6	7	13	59	19	264	162
EOS		5,906	996	952	267	2,611	1,051	10,277	4,462

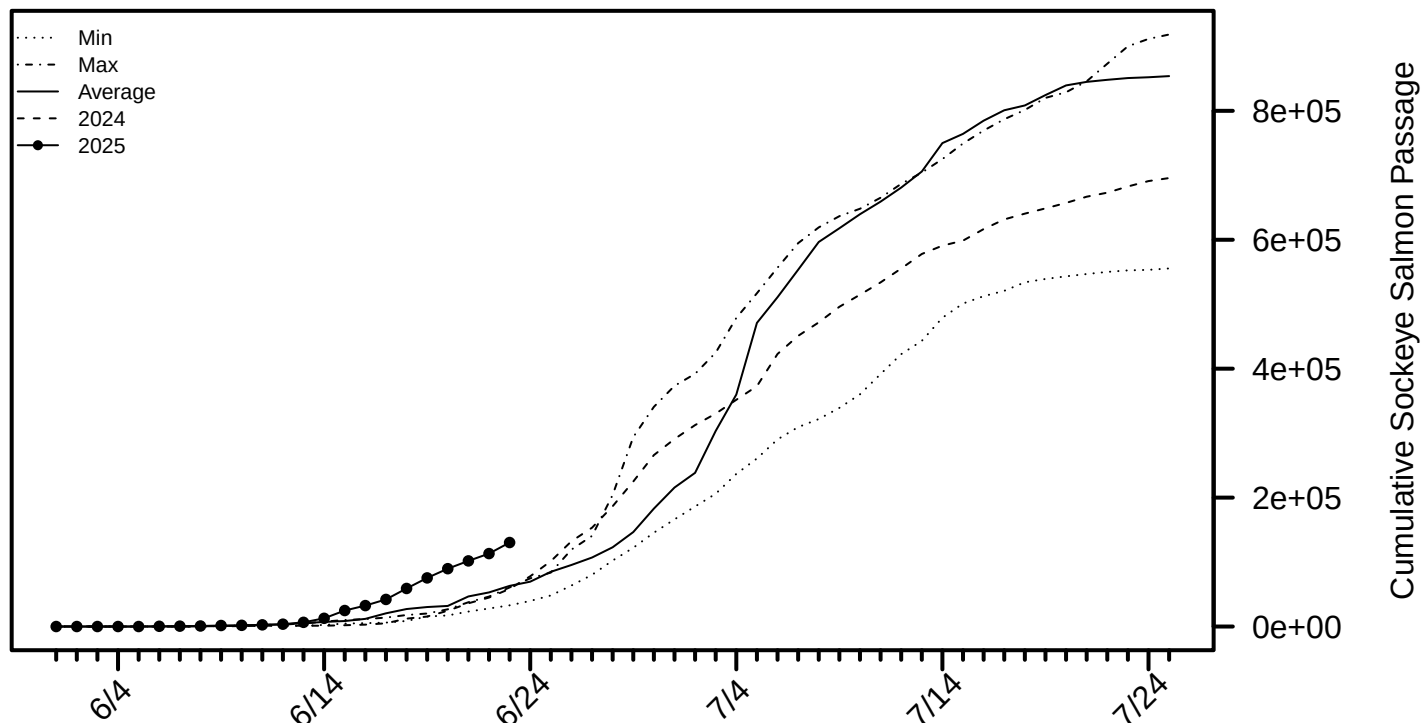
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Sockeye Salmon Summary (6/23)

Based on Kuskokwim River Sonar and Aniak Test Fishery

- The sonar daily passage was **17,180**.
- The sonar cumulative passage is now **130,329**.
- The average sonar cumulative passage is **47,179** for this date.
- **100%** of years since 2018 fell below the cumulative passage for this date
- **4% - 8%** of the run is likely complete based historical run timing at the sonar.

Sockeye Salmon Figure 1: The cumulative sonar passage from 2025 plotted along with the prior year, a year with near average (2018-2024) 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 2018-2024. *Note: Estimates are subject to change.*

Date	2025	2024	2023	2022	2021	2020	2019	2018	Average
6/20	89,739	24,501	17,767	23,675	31,931	17,218	26,721	8,859	21,525
6/21	101,811	36,017	23,192	40,607	46,653	23,228	37,629	10,221	31,078
6/22	113,149	44,920	35,036	49,255	52,899	27,955	46,435	11,174	38,239
6/23	130,329	58,357	37,703	64,681	63,034	32,894	60,630	12,952	47,179
EOS		695,724	899,180	613,874	869,268	574,928	924,354	635,493	744,689

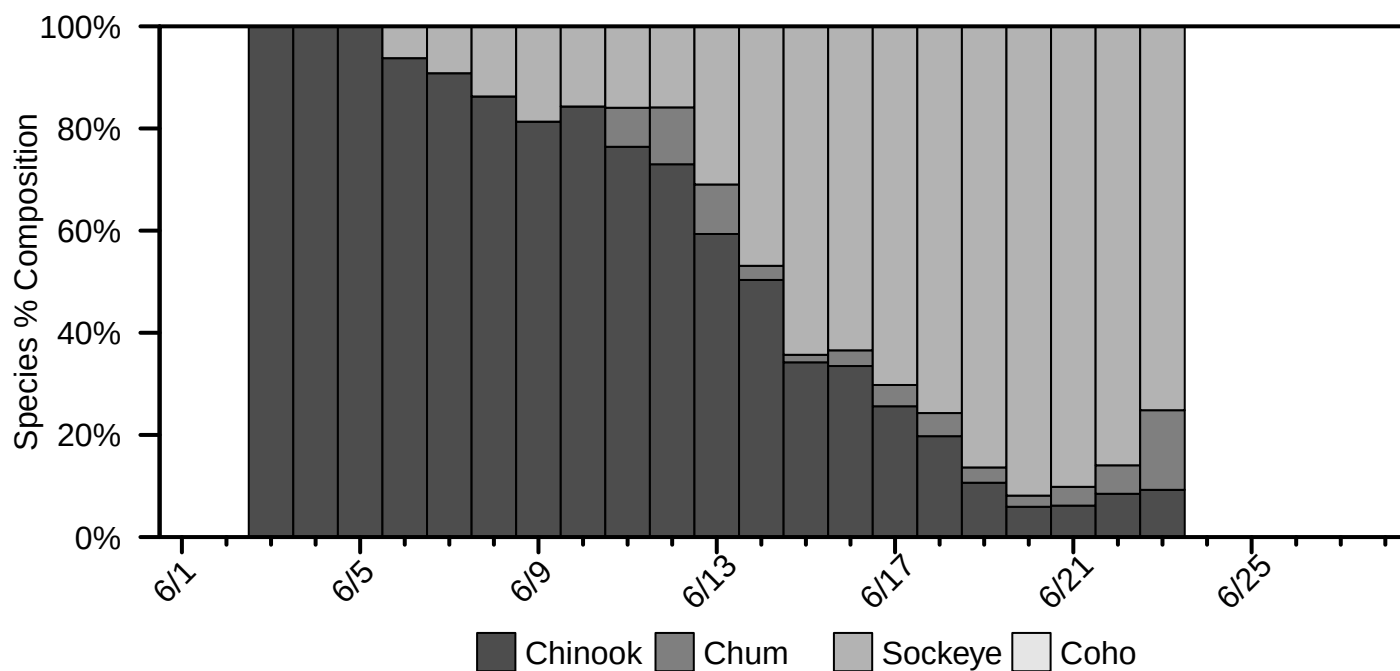
Sockeye Salmon Table 2. Cumulative CPUE from the ATF. Average includes years 2015-2024.

Date	2025	2024	2023	2022	2021	2020	2019	2018	Average
6/20	21	0	0	6	0	0	0	0	1
6/21	21	0	0	6	0	0	0	0	1
6/22	21	0	0	6	6	0	0	0	7
6/23	21	0	0	6	13	0	0	0	9
EOS		651	369	129	241	209	33	75	375

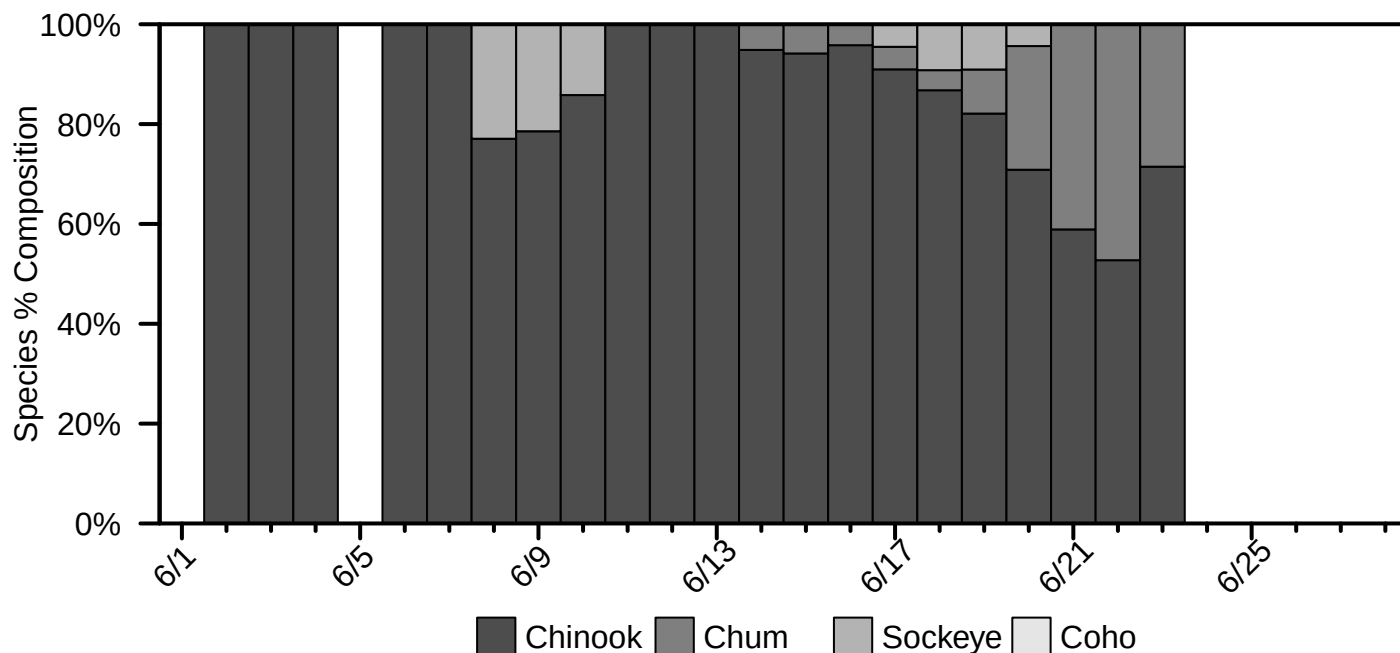
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Percent Composition by Salmon Species

Species Composition Figure 1. Species percent composition from the sonar estimates from 2025 (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 2025. The composition presented on each day represents the average composition over the past 3 days.



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