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 14, 2024 Time: 10:00am-12:00pm 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

Member at Large:
Member at Large 2:
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.*
APPROVAL OF MINUTES: *Optional. ADF&G does not prepare official meeting minutes.*
USFWS/KRITFC UPDATE:
ADF&G MANAGEMENT ACTIONS UNDER CONSIDERATION:
PEOPLE TO BE HEARD: *Non-Working Group Members*
CONTINUING BUSINESS:

- Subsistence Reports: Lowest River, ONC Inseason Subsistence Report, Lower River, Middle River, Upper River, Headwaters
- Overview of Kuskokwim River salmon run assessment:
  a. Test Fisheries (Bethel and Aniak):
  b. Sonar/Weirs/Aerial Surveys/Other:
  c. Subsistence Division Project Update:
- Commercial Catch Report: N/A
- Processor Report: N/A
- Sport Fish Report:
- Weather Forecast:
- Discussion of ADF&G Management considerations and discussion of possible alternatives (recommendations from the Working Group):
- Motion for Discussion and Action:

OLD BUSINESS:

NEW BUSINESS:

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=commercialbyareakuskokwim.kswg**

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

Thank you,
Savannah Hollingworth
Working Group Coordinator

Kuskokwim River Salmon Assessment Update
6/12/2024

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:

- BTF: Bethel Test Fishery
- 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

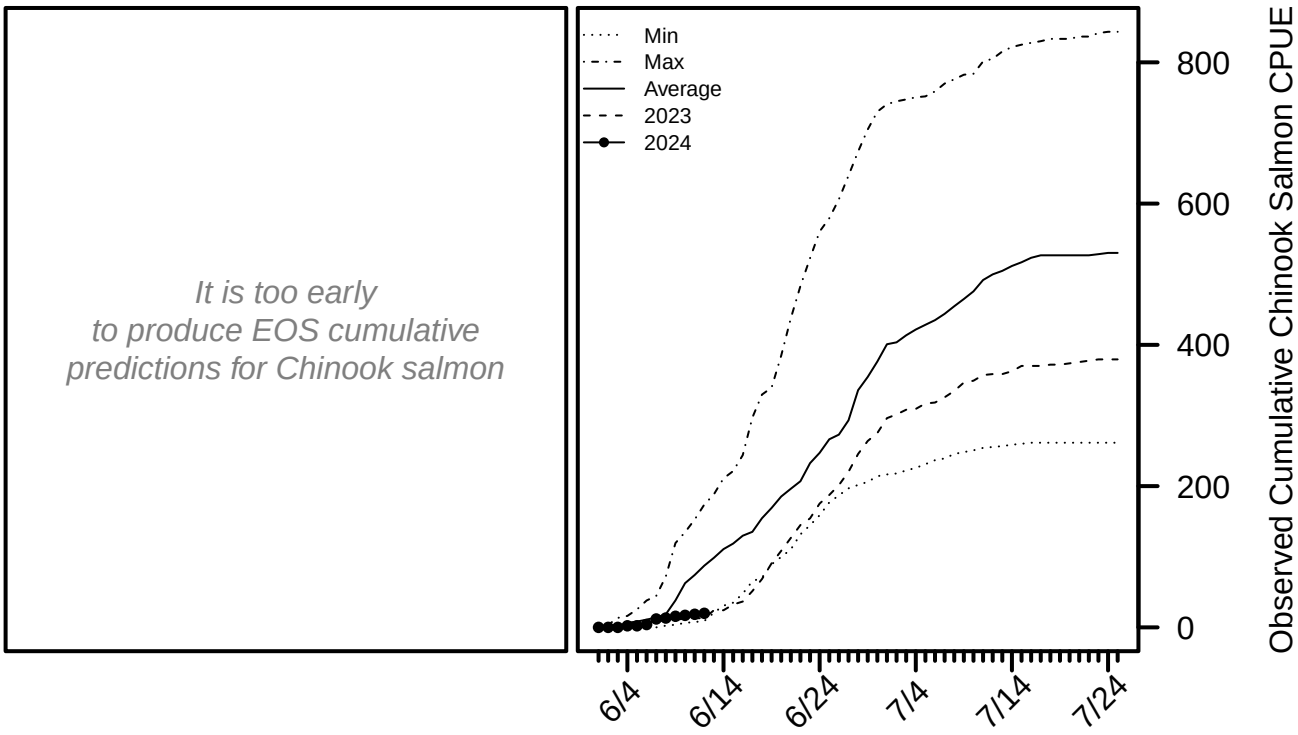
For the most up-to-date information regarding fishing opportunities please visit:

- **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 BTF Summary (6/12)

- The BTF daily CPUE was **1**.
- The BTF cumulative CPUE is now **20**.
- **20%** years since 2008 fell below this cumulative CPUE on this date.
- **7% - 19%** of the run is likely complete based historical run timing.

Chinook Salmon Figure 1. *Left*: will show predicted cumulative EOS BTF CPUE according to various run timing scenarios when enough data have been collected. *Right*: The cumulative BTF CPUE from 2024 plotted along with the prior year, a year with an average (2008-2023) cumulative CPUE, and years with the minimum and maximum (2008-2023) cumulative CPUEs.



For more detailed information, see the ***Chinook salmon appendix*** *at the end of this document.*

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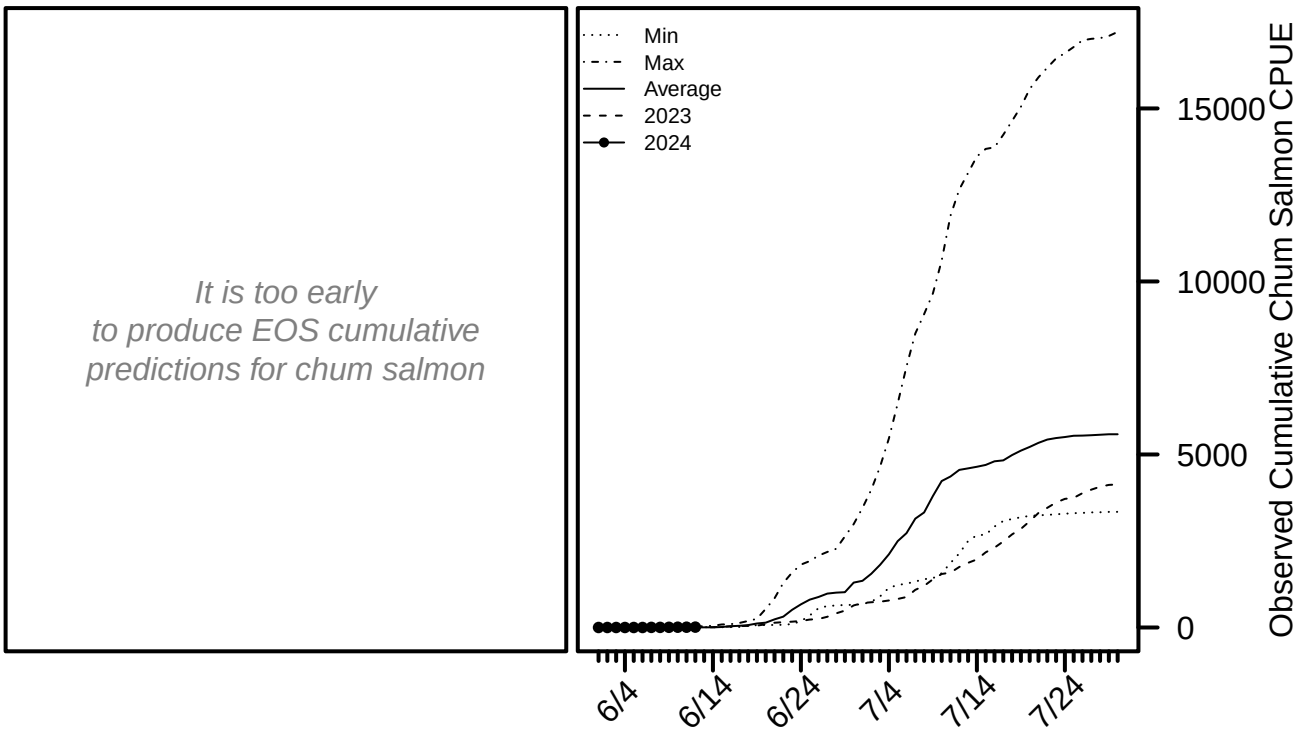
Chum Salmon BTF Summary (6/12)

- The BTF daily CPUE was **3**.
- The BTF cumulative CPUE is now **11**.
- **33%** years since 2008 fell below this cumulative CPUE on this date.
- **<1% - 1%** of the run is likely complete based historical run timing.

Chum Salmon Figure 1. *Left*: will show predicted cumulative EOS BTF CPUE according to various run timing scenarios when enough data have been collected. *Right*: The cumulative BTF CPUE from 2024 plotted along with the prior year, a year with an average (1984-2023) cumulative CPUE, and years with the minimum and maximum cumulative CPUEs.



For more detailed information, see the ***chum salmon appendix*** *at the end of this document.*

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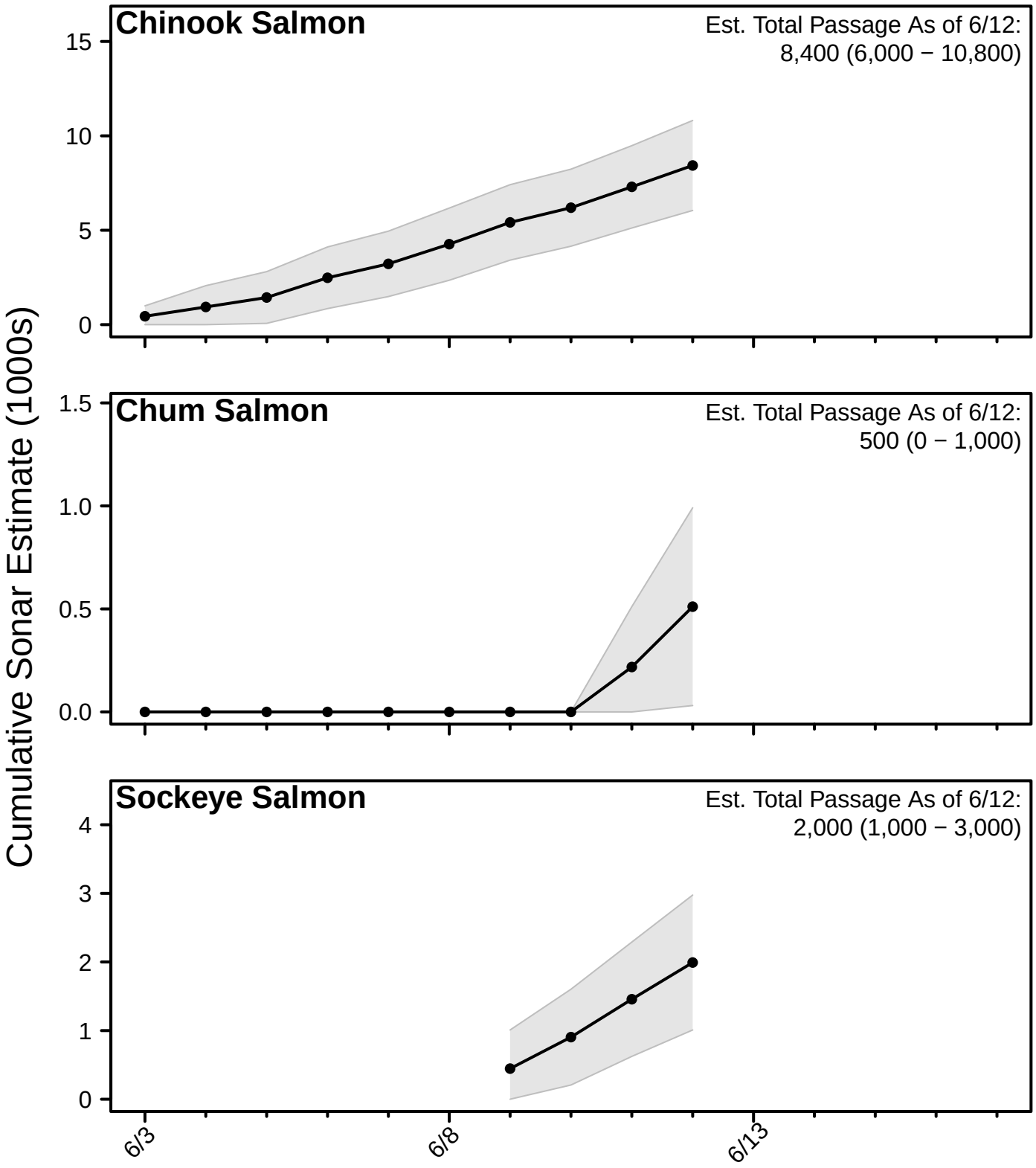
Sonar Passage Estimates

Sonar Figure 1. Cumulative estimates of salmon passage from the 2024 sonar operation. Grey bands show the 95% confidence intervals. *Note: Estimates are subject to change.*



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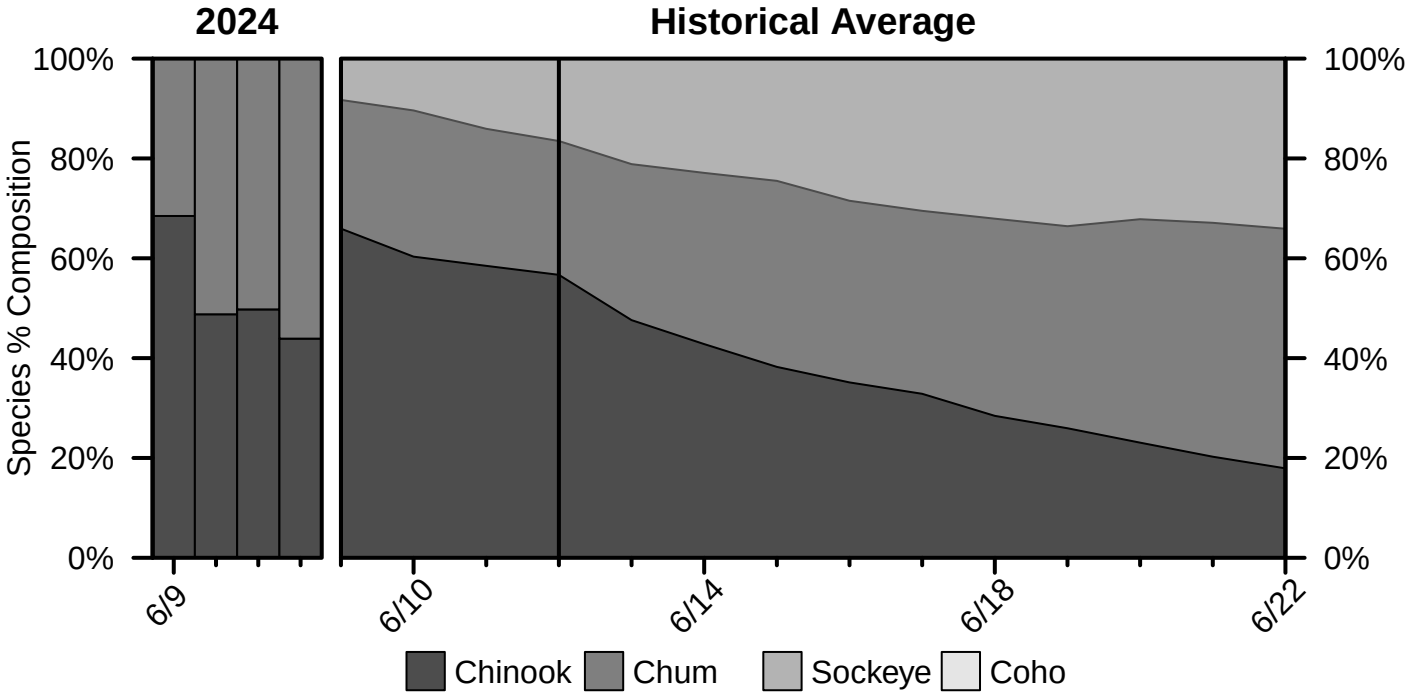
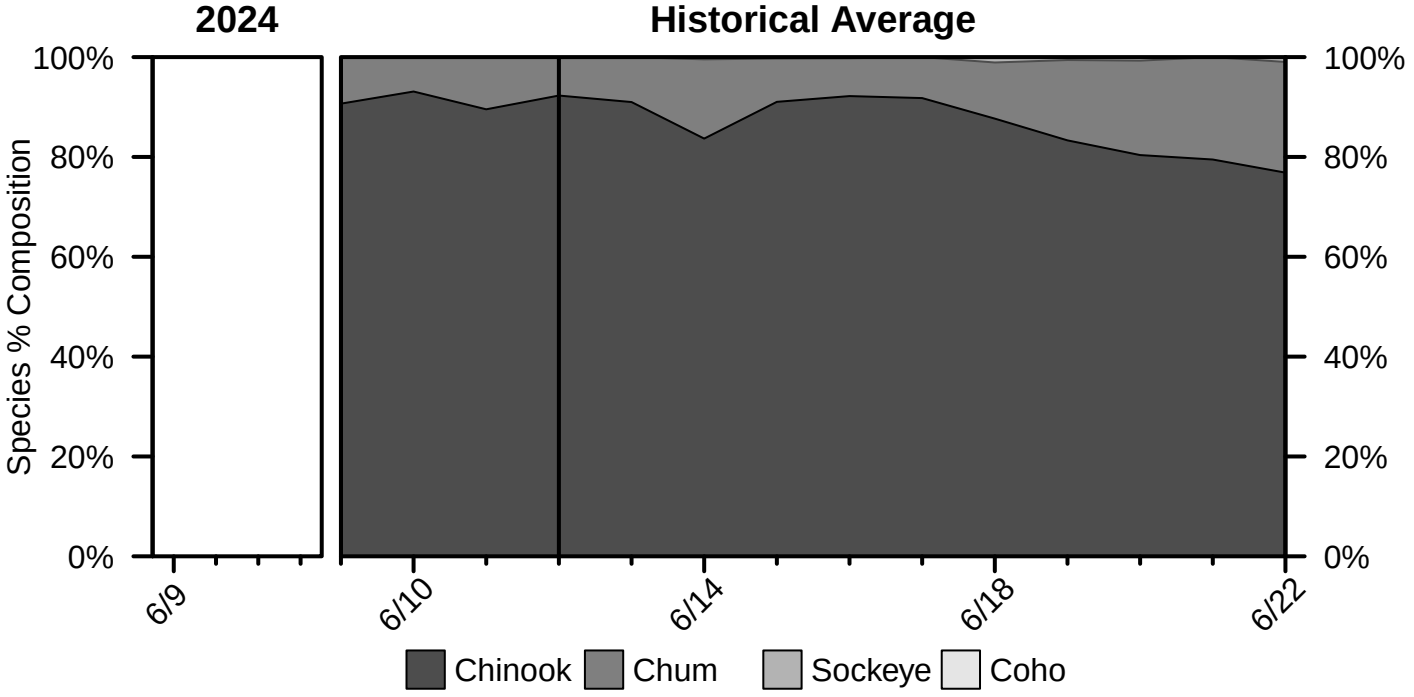
Percent Composition by Salmon Species

Percent Composition Figure 1. Species percent composition in the BTF from 2024 and based on the historical average. The composition presented on each day represents the average composition over the past 2 days.



Percent Composition Figure 2. Species percent composition in the ATF from 2024 and based on the historical average. The composition presented on each day represents the average composition over the past 2 days. *Note: The leftmost box will remain blank until salmon are caught in the test fishery.*



Chinook Salmon Appendix

Chinook Salmon Table A1. Cumulative CPUE from the BTF.

Date	2024	2023	2022	2021	2020	5-Yr Avg.	2008 - 2023 Avg.
6/9	16	10	17	38	40	45	47
6/10	17	13	24	63	57	58	58
6/11	19	13	42	74	64	69	68
6/12	**20**	**13**	**54**	**87**	**72**	**80**	**78**
6/13		24	63	98	73	89	89
6/14		24	68	111	83	100	101
6/15		32	80	119	93	109	118
EOS		382	504	532	487	551	550

Chinook Salmon Table A2. Cumulative CPUE from the ATF.

Date	2024	2023	2022	2021	2020	2019	2018
6/9	0	0	0	0	0	27	23
6/10	0	7	0	0	0	33	23
6/11	0	7	0	0	0	114	31
6/12	**0**	**7**	**0**	**16**	**0**	**218**	**64**
6/13		7	0	16	0	328	80
6/14		7	0	42	7	403	104
6/15		7	8	79	41	569	104
EOS		748	1,277	1,891	1,874	1,691	820

Chinook Salmon Table A3. Cumulative passage at the Kuskokwim River sonar. *Note: Estimates are subject to change.*

Date	2024	2023	2022	2021	2020	2019	2018
6/9	5,415	280	4,989	5,934	4,041	15,995	3,876
6/10	6,194	537	7,353	7,036	5,130	23,153	4,839
6/11	7,299	2,680	10,384	8,662	6,430	27,890	6,148
6/12	**8,431**	**4,328**	**13,599**	**9,994**	**8,489**	**29,987**	**7,088**
6/13		6,345	15,224	12,522	8,953	33,234	8,985
6/14		8,624	16,884	15,189	9,295	37,316	11,383
6/15		11,290	20,334	17,920	11,932	39,021	14,337
EOS		79,166	145,896	102,549	106,764	161,888	132,971

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Chum Salmon Appendix

Chum Salmon Table A1. Cumulative CPUE from the BTF.

Date	2024	2023	2022	2021	2020	5-Yr Avg.	2008 - 2023 Avg.
6/9	5	5	0	0	8	3	10
6/10	8	5	6	0	12	7	14
6/11	8	5	6	0	12	8	17
6/12	**11**	**5**	**6**	**0**	**12**	**8**	**22**
6/13		6	6	3	12	8	29
6/14		9	6	8	12	11	37
6/15		20	6	8	12	13	56
EOS		4,303	2,193	327	1,442	2,938	5,509

Chum Salmon Table A2. Cumulative CPUE from the ATF.

Date	2024	2023	2022	2021	2020	2019	2018
6/9	0	0	0	0	0	0	8
6/10	0	0	0	0	0	0	8
6/11	0	0	0	0	0	0	8
6/12	**0**	**0**	**0**	**0**	**0**	**0**	**8**
6/13		0	0	0	0	5	8
6/14		0	0	0	13	5	8
6/15		0	0	0	13	5	8
EOS		996	952	267	2,611	1,051	10,277

Chum Salmon Table A3. Cumulative passage at the Kuskokwim River sonar. *Note: Estimates are subject to change.*

Date	2024	2023	2022	2021	2020	2019	2018
6/9	0	0	0	320	0	331	446
6/10	0	46	0	320	0	331	446
6/11	218	79	0	320	0	351	446
6/12	**511**	**116**	**0**	**320**	**0**	**379**	**446**
6/13		116	0	320	0	379	446
6/14		364	0	320	0	379	446
6/15		364	0	320	0	379	446
EOS		251,542	103,864	26,973	76,432	385,409	552,011

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Sockeye Salmon Appendix

Sockeye Salmon Table A1. Cumulative CPUE from the BTF.

Date	2024	2023	2022	2021	2020	5-Yr Avg.	2008 - 2023 Avg.
6/9	0	3	0	3	0	1	1
6/10	0	3	0	3	0	1	2
6/11	0	3	0	5	1	3	4
6/12	**0**	**3**	**0**	**8**	**1**	**4**	**6**
6/13		3	0	8	1	4	8
6/14		3	0	8	1	5	12
6/15		5	3	16	1	7	20
EOS		1,788	1,372	1,694	1,060	1,720	1,749

Sockeye Salmon Table A2. Cumulative CPUE from the ATF.

Date	2024	2023	2022	2021	2020	2019	2018
6/9	0	0	0	0	0	0	0
6/10	0	0	0	0	0	0	0
6/11	0	0	0	0	0	0	0
6/12	**0**	**0**	**0**	**0**	**0**	**0**	**0**
6/13		0	0	0	0	0	0
6/14		0	0	0	0	0	0
6/15		0	0	0	0	0	0
EOS		369	129	241	209	33	75

Sockeye Salmon Table A3. Cumulative passage at the Kuskokwim River sonar. *Note: Estimates are subject to change.*

Date	2024	2023	2022	2021	2020	2019	2018
6/9	446	731	1,526	658	950	848	1,801
6/10	905	1,401	1,526	1,395	950	1,622	1,801
6/11	1,457	1,704	1,526	2,345	950	2,433	1,974
6/12	**1,992**	**2,088**	**2,265**	**3,175**	**950**	**3,022**	**2,081**
6/13		2,088	2,554	5,134	1,236	4,806	2,200
6/14		2,289	3,498	7,171	2,504	7,563	2,469
6/15		3,676	4,704	8,526	4,584	10,148	2,787
EOS		899,180	613,874	869,268	574,928	924,354	635,493

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ONC
ORUTSARARMIUT NATIVE COUNCIL
ONC Fisheries 545-6001

Orutsararmiut Native Council (ONC) Inseason Harvest Monitoring Weekly Report
June 13, 2024

Comments from June 12, 2024 Opener:

5 fishers had stated to get rid of the trawlers because there's no salmon in the river. 1 said to check on the boats in the mouth of the Kusko because they are intercepting our fish. 9 fishers mentioned that they wanted more openers and that they wanted more fishing, 1 fisher said thank you for letting us fish, and another asked where's the fish? 2 fishers said to put more fish in the river and 2 had caught snags.

1 had asked to please have the openers closer to each other, 1 stated that they have nothing on their racks and that they need to get it done before flies lay their eggs on their fish, and another said we need more fish. 1 fisher had said that the vitus barge is parked in the way of fishing, 1 said to leave it open, and 1 stated to let us get our food. 1 had suggested to open the fishing when the tide is right and another said to let us fish when there's fish (1 related to this said we always open the fish when there's no fish).

Table 1. Average fish harvest, net length, and mesh size range reported by surveyed Bethel area fish camps and Bethel boat harbor from the June 12, 2024 fishing 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 Boat Harbor	138	3	0	0	>0	25-300	4-6

From June 4, 2024 through June 13, 2022, ONC delivered 12 Chinook salmon to Bethel area Elders. These fish were caught by the Alaska Department of Fish & Game Bethel Test Fishery.

Kuskokwim River In-season Harvest and Effort Estimates

6/12/2024 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)	132	64%
Other Villages (KRITFC)	74	36%
Total	**206**	**100%**

Of these interviews, **182** were from drift nets and **20** 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**
3:05 PM	4:48 PM	1.72	284	20

Effort Estimates

- An estimated **449** drift boat trips occurred.
  - An estimated **165** trips started and ended when no flights occurred.
- An estimated **20** set net trips occurred.

Harvest Estimates

- An estimated total of **4,207 (3,224 – 5,294)** salmon were harvested.
  - An estimated total of **3,348 (2,589 – 4,224)** Chinook salmon were harvested.
  - An estimated total of **648 (316 – 1,058)** chum salmon were harvested.
  - An estimated total of **211 (121 – 330)** sockeye salmon were harvested.
- Harvest by set nets accounted for an estimated **86 (30 – 173)** total salmon (**91%** Chinook salmon, **10%** chum salmon, and **0%** sockeye salmon).

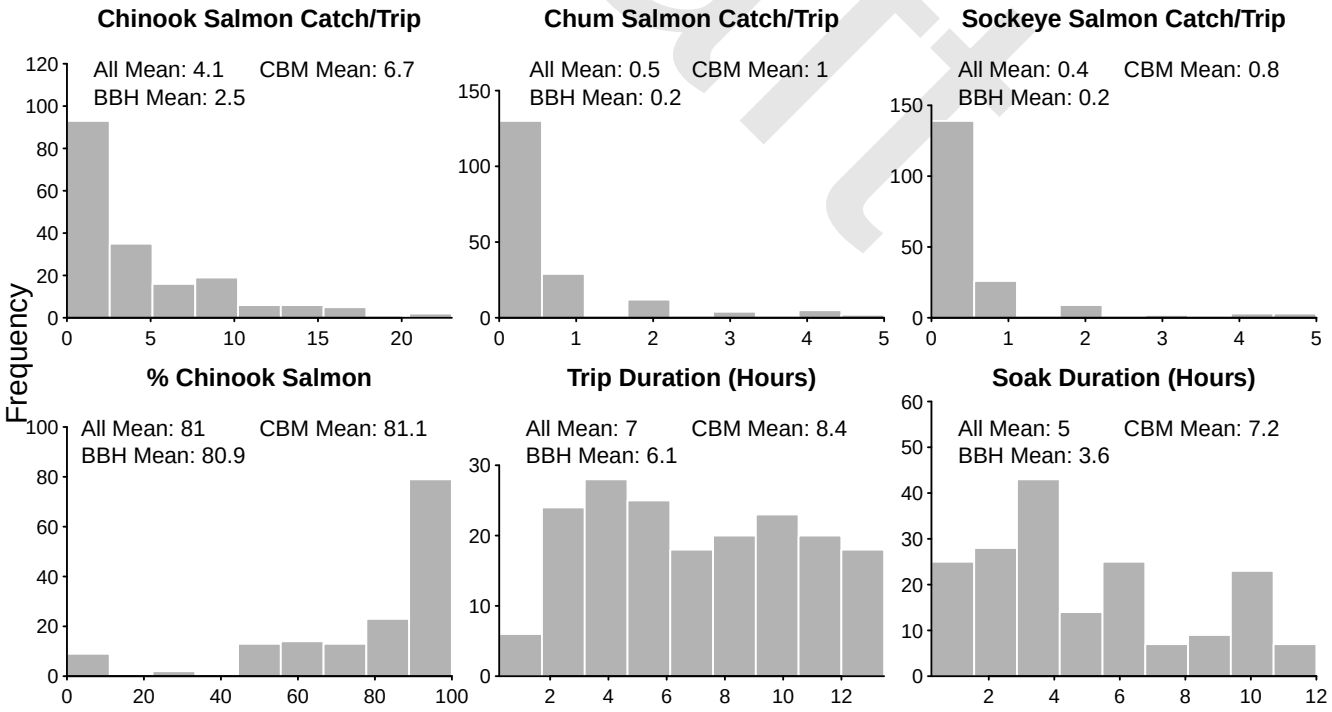
TABLE 3. Summaries by river stratum (area) for drift nets. Numbers in parentheses are 95% confidence intervals.

Stratum	Interviews	Effort Est.	Estimated Harvest			
			Chinook	Chum	Sockeye	Total
Tuntutuliak ⟷ Johnson R.	22	161	2,196 (1,484 – 3,029)	539 (206 – 949)	116 (39 – 237)	**2,852 (1,934 – 3,877)**
Johnson R. ⟷ Napaskiak	46	54	305 (211 – 412)	45 (21 – 72)	46 (25 – 73)	**396 (280 – 531)**
Napaskiak ⟷ Akiachak	101	172	524 (399 – 662)	32 (11 – 61)	36 (15 – 63)	**592 (460 – 744)**
Akiachak ⟷ Akiak	3	38	123 (94 – 159)	8 (3 – 16)	8 (3 – 14)	**139 (106 – 175)**
Akiak ⟷ Bogus Cr.	10	24	121 (88 – 152)	16 (5 – 31)	5 (0 – 17)	**142 (97 – 186)**
Total	**182**	**449**	**3,270 (2,523 – 4,125)**	**640 (307 – 1,049)**	**211 (121 – 330)**	**4,121 (3,137 – 5,213)**

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.	161	18 (12 – 24)	77% (66% – 85%)	19% (9% – 30%)	4% (1% – 9%)
Upstream of Johnson R.	288	4 (4 – 5)	85% (81% – 88%)	8% (5% – 11%)	7% (5% – 10%)

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).



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.	22	0	3	10	16	23
Johnson R. ⟷ Napaskiak	46	0	1	5	8	14
Napaskiak ⟷ Akiachak	101	0	0	2	3	16
Akiachak ⟷ Akiak	3	11	12	12	12	13
Akiak ⟷ Bogus Cr.	10	1	4	5	6	8
All	**182**	**0**	**1**	**4**	**6**	**23**

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.	22	0	0.5	2.1	2.6	8.6
Johnson R. ⟷ Napaskiak	46	0	0.3	1.1	1.5	8.3
Napaskiak ⟷ Akiachak	101	0	0	0.9	1.2	6
Akiachak ⟷ Akiak	3	0.7	0.7	1.1	1.3	1.8
Akiak ⟷ Bogus Cr.	10	0.1	0.3	0.3	0.4	0.4
All	**182**	**0**	**0.2**	**1.1**	**1.5**	**8.6**

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.	22	0	0	2	2	5
Johnson R. ⟷ Napaskiak	46	0	0	1	1	5
Napaskiak ⟷ Akiachak	101	0	0	0	0	4
Akiachak ⟷ Akiak	3	0	0	2	2	4
Akiak ⟷ Bogus Cr.	10	0	0	1	1	3
All	**182**	**0**	**0**	**1**	**1**	**5**

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.	22	0	0	0.5	0.4	4
Johnson R. ⟷ Napaskiak	46	0	0	0.2	0.2	1.7
Napaskiak ⟷ Akiachak	101	0	0	0.1	0	2
Akiachak ⟷ Akiak	3	0	0	0.1	0.1	0.2
Akiak ⟷ Bogus Cr.	10	0	0	0	0.1	0.1
All	**182**	**0**	**0**	**0.1**	**0.1**	**4**

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.	22	0	0	0	1	2
Johnson R. ⟷ Napaskiak	46	0	0	1	1	5
Napaskiak ⟷ Akiachak	101	0	0	0	0	3
Akiachak ⟷ Akiak	3	0	0	0	0	0
Akiak ⟷ Bogus Cr.	10	0	0	0	0	2
All	**182**	**0**	**0**	**0**	**0**	**5**

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.	22	0	0	0.1	0.1	1.1
Johnson R. ⟷ Napaskiak	46	0	0	0.2	0.2	0.9
Napaskiak ⟷ Akiachak	101	0	0	0.1	0	1.2
Akiachak ⟷ Akiak	3	0	0	0	0	0
Akiak ⟷ Bogus Cr.	10	0	0	0	0	0.1
All	**182**	**0**	**0**	**0.1**	**0**	**1.2**

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

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ⟷ Johnson R.	22	0%	77%	78%	91%	100%
Johnson R. ⟷ Napaskiak	46	0%	53%	70%	100%	100%
Napaskiak ⟷ Akiachak	101	0%	80%	86%	100%	100%
Akiachak ⟷ Akiak	3	76%	84%	90%	96%	100%
Akiak ⟷ Bogus Cr.	10	67%	86%	89%	100%	100%
All	**182**	**0%**	**69%**	**81%**	**100%**	**100%**

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

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ⟷ Johnson R.	22	3.2	5.1	6.9	8	12.5
Johnson R. ⟷ Napaskiak	46	0.9	5.6	7.6	10	12
Napaskiak ⟷ Akiachak	101	0.2	3.5	6.2	9.2	13.5
Akiachak ⟷ Akiak	3	6	8	9.3	11	12
Akiak ⟷ Bogus Cr.	10	12	12	12	12	12
All	**182**	**0.2**	**4**	**7**	**10.1**	**13.5**

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

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ⟷ Johnson R.	22	0.2	3	4.4	5.4	11
Johnson R. ⟷ Napaskiak	46	0.3	2.6	6	9.1	12
Napaskiak ⟷ Akiachak	101	0.2	2	4.1	5.3	12
Akiachak ⟷ Akiak	3	6	6.8	7.8	8.8	10
Akiak ⟷ Bogus Cr.	10	8	10	9.8	10	10
All	**182**	**0.2**	**2.5**	**5**	**7**	**12**

Appendix B: Non-salmon Harvest Information

- An estimated total of **309 (150 – 550)** nonsalmon were harvested.
  - An estimated total of **127 (66 – 208)** sheefish were harvested.
  - An estimated total of **182 (52 – 426)** all whitefishes were harvested.
- Harvest by set nets accounted for an estimated **11 (1 – 30)** total nonsalmon (**9%** sheefish and **91%** all whitefishes).

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

			Estimated Harvest		
Stratum	**Interviews**	**Effort Est.**	**Sheefish**	**Whitefish**	**Total**
Tuntutuliak ⟷ Johnson R.	22	161	37 (0 – 116)	99 (0 – 337)	**136 (0 – 372)**
Johnson R. ⟷ Napaskiak	46	54	20 (7 – 36)	7 (1 – 14)	**27 (13 – 45)**
Napaskiak ⟷ Akiachak	101	172	42 (15 – 74)	41 (11 – 86)	**82 (40 – 141)**
Akiachak ⟷ Akiak	3	38	10 (4 – 17)	9 (2 – 20)	**19 (9 – 32)**
Akiak ⟷ Bogus Cr.	10	24	17 (8 – 28)	16 (5 – 30)	**33 (14 – 54)**
Total	**182**	**449**	**126 (66 – 208)**	**172 (44 – 405)**	**298 (138 – 536)**

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

Area	**N**	**Min**	**25%**	**Mean**	**75%**	**Max**
Tuntutuliak ⟷ Johnson R.	22	0	0	0	0	2
Johnson R. ⟷ Napaskiak	46	0	0	0	0	5
Napaskiak ⟷ Akiachak	101	0	0	0	0	2
Akiachak ⟷ Akiak	3	0	1	1	2	2
Akiak ⟷ Bogus Cr.	10	0	0	1	1	2
All	**182**	**0**	**0**	**0**	**0**	**5**

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.	22	0	0	0	0	2
Johnson R. ⟷ Napaskiak	46	0	0	0	0	1
Napaskiak ⟷ Akiachak	101	0	0	0	0	3
Akiachak ⟷ Akiak	3	0	0	1	2	3
Akiak ⟷ Bogus Cr.	10	0	0	1	1	2
All	**182**	**0**	**0**	**0**	**0**	**3**

ADFG Management Actions Under Consideration

1.**Aniak Box:** The waters of the Kuskokwim River from the Yukon Delta NWR boundary at Aniak upstream to a line formed between two points lat 61° 35.308′ N, long 159° 29.167′ W and lat 61° 34.731′ N, long 159° 28.939′ W (Figure 1) **will remain closed to subsistence fishing with gillnets until further notice.** Subsistence fishing with hook and line, fish wheels equipped with a live box or chute, beach seines and dip nets is allowed, **but all king salmon caught must be returned to the water alive**. These closed waters are in place to help provide protection for king salmon bound for the Aniak River.

2. **Aniak Box:** The waters of the Kuskokwim River from the Yukon Delta NWR boundary at Aniak upstream to a line formed between two points lat 61° 35.308′ N, long 159° 29.167′ W and lat 61° 34.731′ N, long 159° 28.939′ W (Figure 1) **will remain closed to all subsistence fishing until further notice.** These closed waters are in place to help provide protection for king salmon bound for the Aniak River.