

Kuskokwim River In-season Harvest Interview Data Summary

7/9/2021 Subsistence Harvest Opportunity (Drift & Set Nets)

Opportunity Time Period: 6:00 AM – 6:00 PM (12 Hours)

Contact Person(s): Kevin Whitworth (kevinwhitworth@kritfc.org), Katie Russell (krussell@nativecouncil.org)

Special Action #: 3-KS-03-21

Special Action: https://www.fws.gov/uploadedFiles/3-KS-03-21_Final_7.1.2021.pdf?fbclid=IwAR2tAlnoL7tVqfm3s40yFia6NXPVI9yaIYMCrY6-fm4BGfZDt98c4e7a8Lg



NOTE: Aerial surveys could not be flown due to inclement weather. Without these counts, no effort or harvest estimates were generated. Instead, this document presents interview data summaries.

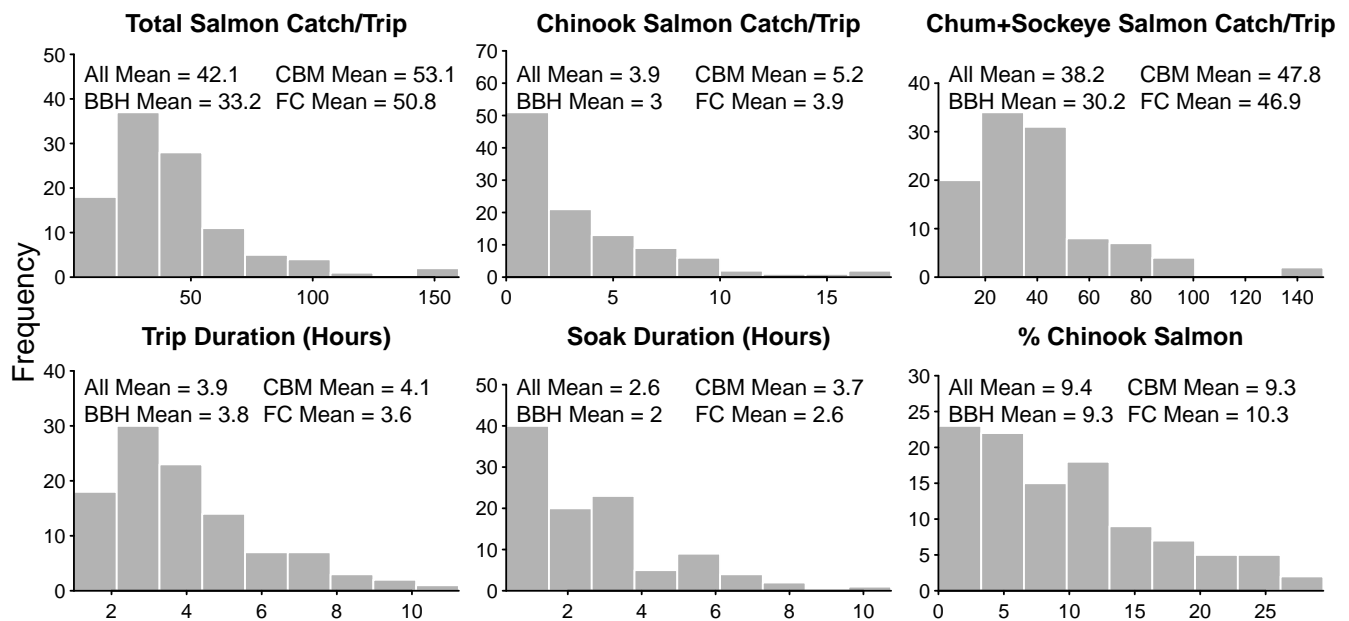
Data Sources

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

Data Source	Interviews	Percent
Bethel Boat Harbor (ONC)	57	53%
Other Villages (BSFA/KRITFC)	36	34%
Bethel Area Fish Camps (ONC)	14	13%
Total	107	100%

Of these interviews, **106** were from drift nets and **1** were from set nets.

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 (BSFA/KRITFC), FC = Bethel Area Fish Camps (ONC).



Appendix: 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 rate of Chinook salmon by fishing area (salmon per 150 feet of net per hour).

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	2	0.4	0.7	1	1.2	1.5
Johnson R. ↔ Napaskiak	30	0	0.6	1.8	2.4	8
Napaskiak ↔ Akiachak	71	0	0.7	2.2	3	18
Akiachak ↔ Akiak	2	0	1	2	3	4
All	105	0	0.6	2.1	2.5	18

TABLE A2. Summary of drift net catch per trip of Chinook salmon by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	2	1	1	2	2	2
Johnson R. ↔ Napaskiak	30	0	1	5	8	18
Napaskiak ↔ Akiachak	72	0	1	3	5	12
Akiachak ↔ Akiak	2	0	1	2	2	3
All	106	0	1	4	6	18

TABLE A3. Summary of drift net catch rate of chum+sockeye salmon by fishing area (salmon per 150 feet of net per hour).

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	2	7.8	17.1	26.4	35.7	45
Johnson R. ↔ Napaskiak	30	4.1	8.7	18.1	19.1	63.4
Napaskiak ↔ Akiachak	71	2.4	12	24.6	27	104
Akiachak ↔ Akiak	2	52	68.3	84.7	101	117.3
All	105	2.4	10.8	23.9	26.3	117.3

TABLE A4. Summary of drift net catch per trip of chum+sockeye salmon by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	2	30	31	32	34	35
Johnson R. ↔ Napaskiak	30	19	32	48	70	97
Napaskiak ↔ Akiachak	72	2	18	33	40	150
Akiachak ↔ Akiak	2	39	51	64	76	88
All	106	2	21	38	46	150

TABLE A5. Summary of drift net percent composition of Chinook salmon by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	2	3%	4%	4%	5%	5%
Johnson R. ↔ Napaskiak	30	0%	5%	9%	13%	24%
Napaskiak ↔ Akiachak	72	0%	4%	10%	16%	29%
Akiachak ↔ Akiak	2	0%	2%	4%	5%	7%
All	106	0%	4%	9%	14%	29%

TABLE A6. Summary of drift net active fishing hours by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	2	1	1.3	1.6	1.9	2.2
Johnson R. ↔ Napaskiak	30	1	2.2	3.8	5	8.2
Napaskiak ↔ Akiachak	69	0.3	1	2.2	2.9	10.8
Akiachak ↔ Akiak	2	0.8	0.8	0.8	0.8	0.8
All	103	0.3	1	2.6	3.2	10.8

TABLE A7. Summary of drift net total trip duration by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	2	2.2	2.9	3.6	4.3	5
Johnson R. ↔ Napaskiak	30	1.5	3.4	4.9	6.8	9.1
Napaskiak ↔ Akiachak	72	1	2.3	3.5	4.4	11.2
Akiachak ↔ Akiak	2	1	1	1	1	1
All	106	1	2.5	3.9	5	11.2

TABLE A8. Summary of drift net trip start time by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	2	1:45 PM	2:00 PM	2:15 PM	2:30 PM	2:45 PM
Johnson R. ↔ Napaskiak	30	6:00 AM	7:00 AM	9:29 AM	11:45 AM	4:30 PM
Napaskiak ↔ Akiachak	72	6:00 AM	9:00 AM	11:11 AM	1:30 PM	4:15 PM
Akiachak ↔ Akiak	2	6:30 AM	7:52 AM	9:15 AM	10:37 AM	12:00 PM
All	106	6:00 AM	8:30 AM	10:43 AM	1:00 PM	4:30 PM

TABLE A9. Summary of drift net trip end time by fishing area.

Area	N	Min	25%	Mean	75%	Max
Tuntutuliak ↔ Johnson R.	2	5:00 PM	5:26 PM	5:53 PM	6:20 PM	6:47 PM
Johnson R. ↔ Napaskiak	30	10:00 AM	12:03 PM	2:23 PM	4:00 PM	6:50 PM
Napaskiak ↔ Akiachak	72	9:00 AM	1:20 PM	2:44 PM	4:48 PM	6:43 PM
Akiachak ↔ Akiak	2	7:30 AM	8:52 AM	10:15 AM	11:37 AM	1:00 PM
All	106	7:30 AM	12:53 PM	2:36 PM	4:44 PM	6:50 PM