

# Kuskokwim River In-season Harvest and Effort Estimates

## 6/2/2021 Subsistence Harvest Opportunity (Set Nets Only)

Opportunity Time Period: 6:00 AM – 10:00 PM (16 Hours)

Area Covered by Estimates: Tuntutuliak ↔ Akiak

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

Special Action #: 3-KS-01-21

Special Action: [https://www.fws.gov/uploadedFiles/3-KS-01-21\\_Final\\_5.7.2021.pdf](https://www.fws.gov/uploadedFiles/3-KS-01-21_Final_5.7.2021.pdf)



## Data Sources

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

Data Source	Interviews	Percent
Bethel Boat Harbor (ONC)	14	61%
Other Villages (BSFA/KRITFC)	8	35%
Bethel Area Fish Camps (ONC)	1	4%
<b>Total</b>	<b>23</b>	<b>100%</b>

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

Time Information			Nets Counted	
Start Time	End Time	Hours	Drift	Set
6:12 PM	7:47 PM	1.58	2	29

## Effort Estimates

- An estimated **29** total set net trips occurred.

## Harvest Estimates

- An estimated total of **30 (10 – 40)** salmon were harvested.
  - An estimated total of **30 (10 – 40)** Chinook salmon were harvested.
  - An estimated total of **0 (0 – 0)** chum salmon were harvested.
  - An estimated total of **0 (0 – 0)** sockeye salmon were harvested.

**TABLE 3.** Summary of relevant quantities by river stratum (area) for set nets. Numbers in parentheses are 95% confidence intervals.

Stratum	Interviews	Effort Est.	Estimated Harvest			
			Chinook	Chum	Sockeye	Total
Tuntutuliak ↔ Johnson R.	0	0	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Johnson R. ↔ Napaskiak	5	2	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Napaskiak ↔ Akiachak	18	19	20 (10 – 30)	0 (0 – 0)	0 (0 – 0)	20 (10 – 30)
Akiachak ↔ Akiak	0	8	10 (0 – 10)	0 (0 – 0)	0 (0 – 0)	10 (0 – 10)
<b>All</b>	<b>23</b>	<b>29</b>	<b>30</b> <b>(10 – 40)</b>	<b>0</b> <b>(0 – 0)</b>	<b>0</b> <b>(0 – 0)</b>	<b>30</b> <b>(10 – 40)</b>

**FIGURE 1.** Distributions of relevant quantities from all completed trips using set 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).

