
Kuskokwim River In-season Harvest and Effort Estimates

6/5/2021 Subsistence Harvest Opportunity (Set Nets Only)

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

Area Covered by Estimates: Tuntutuliak ↔ Akiak

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Special Action #: 3-KS-01-21

Special Action: https://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 |
|------------------------------|------------|-------------|
| Other Villages (BSFA/KRITFC) | 18 | 47% |
| Bethel Boat Harbor (ONC) | 15 | 39% |
| Bethel Area Fish Camps (ONC) | 5 | 13% |
| Total | 38 | 100% |

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

| Time Information | | | Nets Counted | |
|------------------|----------|-------|--------------|-----|
| Start Time | End Time | Hours | Drift | Set |
| 4:25 PM | 5:40 PM | 1.25 | 0 | 91 |

Effort Estimates

- An estimated **91** total set net trips occurred.

Harvest Estimates

- An estimated total of **380 (150 – 710)** salmon were harvested.
 - An estimated total of **310 (110 – 650)** Chinook salmon were harvested.
 - An estimated total of **20 (0 – 50)** chum salmon were harvested.
 - An estimated total of **50 (10 – 100)** 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 | 1 | 0 (0 – 10) | 0 (0 – 0) | 0 (0 – 0) | 0 (0 – 10) |
| Johnson R. ↔ Napaskiak | 16 | 20 | 70 (20 – 140) | 0 (0 – 10) | 10 (0 – 20) | 80 (30 – 160) |
| Napaskiak ↔ Akiachak | 21 | 52 | 180 (60 – 370) | 10 (0 – 30) | 30 (10 – 60) | 220 (90 – 400) |
| Akiachak ↔ Akiak | 1 | 18 | 60 (20 – 130) | 0 (0 – 10) | 10 (0 – 20) | 70 (30 – 140) |
| All | 38 | 91 | 310 (110 – 650) | 20 (0 – 50) | 50 (10 – 100) | 380 (150 – 710) |

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).

