

# Harvest Estimates: 6/16/2018 Subsistence Opportunity

Kalskag - Aniak

*Prepared by USFWS*

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This document presents harvest and effort estimates as well as fisher-trip information for the subsistence salmon fishery opportunity on the Kuskokwim River that occurred on June 16, 2018 within the Yukon Delta National Wildlife Refuge (YDNWR) boundaries. The data used to produce this estimate were collected by the Alaska Department of Fish and Game (ADF&G) Division of Subsistence. **These estimates encompass harvest taken the portion of the main-stem Kuskokwim River between and including the villages of Kalskag and Aniak.** Harvest and effort estimation was conducted by USFWS staff using the same methods as in 2016 and 2017. Please contact Ben Staton ([benjamin\\_staton@fws.gov](mailto:benjamin_staton@fws.gov)) if you have any questions regarding these estimates.

## Opportunity Details

The YDNWR federal in-season manager, with authority delegated by the Federal Subsistence Board and in consultation with the KRITFC, announced a subsistence fishing opportunity for Chinook salmon within the YDNWR waters for federally-qualified subsistence users. The opportunity was 12 hours in duration, starting at 10:00AM June 16 and ending at 10:00PM June 16. The special action can be found [here](#), and the corresponding news release [here](#).

## Data Sources

- A total of **22** fisher interviews were used in this analysis.
  - All **22** fisher interviews were collected by ADF&G Division of Subsistence stationed in Kalskag and Aniak.
- **22** interviews were from drift boat fishers.
- **0** interviews were from set net fishers.
- ADF&G conducted **1** boat-based survey to count fishing effort.

## Effort Estimates

- Although an effort survey was conducted, it was decided that an inadequate amount of information was available to inform the effort estimator.
- Fishing effort was assumed to be the same as in this portion of the river during the 6/12/2018 fishing opportunity (**32** drift boat trips).
- ADF&G observed **4** set nets fishing during the opportunity.

## Harvest Estimates

- An estimated total of **360 (200 - 570)** salmon were harvested.
  - An estimated total of **230 (140 - 360)** Chinook salmon were harvested.
  - An estimated total of **120 (60 - 220)** chum salmon were harvested.
  - No sockeye salmon were estimated to have been harvested.
- No set net interviews were available, so a set net harvest was not produced.

**Figure 1.** Distribution of relevant quantities from all collected drift boat interviews.

