

# PERFORMANCE REPORT

**STATE:** Alaska

**GRANT NO.:** F-10-33

**GRANT TITLE:** Sport Fish Investigations in Alaska

**PERIOD COVERED:** July 1, 2017 – June 30, 2018

**STUDY NO. AND TITLE:** S-2-19 Deshka River Chinook Salmon Weir

## STUDY OBJECTIVES:

The objectives of the Deshka River Salmon Weir were to:

1. Count the number of adult Chinook salmon in the Deshka River that pass through the weir at river mile (RM) 7 from July 1 through late August 2017 and late May through 30 June 2018.
2. Estimate the age composition and sex composition of the adult Chinook salmon escapement to the Deshka River upstream of RM 7 using information collected during FY17 and FY18 (from late May through late August) such that the estimates are within plus or minus 7 percentage points of the true values 95% of the time.

## RESULTS/DISCUSSION:

**Objective 1:** In 2017, a total of 11,383 adult Chinook salmon were counted through the Deshka River weir from May 17 – September 5. In 2018, a total of 7,555 Chinook salmon were counted through the Deshka River weir from May 29 – June 30. The 2018 total count of Chinook salmon will be complete in FY19 and reported in the next annual performance report.

**Objective 2:** The estimates of the age and sex composition of the Chinook salmon escapement in the Deshka River in 2017 were:

Age:	1.1	1.2	1.3	1.4	Sex:	Male	Female
%	8.9	11.7	70.3	9.2		53.0	47.0

## FINAL REPORT STATUS:

This performance report constitutes the final report of activities for study S-2-19 during this grant period.

The Deshka River 2017 total Chinook salmon count, age and sex summary, and daily data will be reported in the Fisheries Management Report, Recreational Fisheries of Northern Cook Inlet, 2017-2018 to be published in 2019.



Deshka River salmon weir.

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**DATE:** August 10, 2018