

# 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-2-29 Knik Arm Coho Salmon Assessment

## STUDY OBJECTIVES:

1. Count the number of coho salmon in the Little Susitna River that pass thru the weir at river mile (RM) 32.5 from July 1 through approximately September 5.
2. Estimate the sex composition of the coho salmon counted at the Little Susitna River weir site upstream of RM 32.5 from July 1 through approximately September 5 such that the worst case estimates are within plus or minus 12 percentage points of the true values 90% of the time.

## RESULTS/DISCUSSIONS:

**Objective 1:** From July 1 - September 5, 2017, 36,869 coho salmon were counted at the Little Susitna River weir.

**Objective 2:** A total of 252 coho salmon were sampled at the Little Susitna River weir for sex and length characteristics. The sex composition of the 2017 run was 57% Male and 43% Female. The mean length of a coho salmon sampled was 566 mm (MEF). Statistical precision goals were met.

## FINAL REPORT STATUS:

This performance report constitutes the final report of activities for study S-2-29 during this grant period.

The Little Susitna River 2017 coho total count as well as daily data will be reported in the Fisheries Management Report, Recreational Fisheries of Northern Cook Inlet, 2017-2018 to be published in 2019.



Weir installation at the Little Susitna River.



The completed Little Sustina River weir.

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