

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-2-17 Escapement Index Surveys of Northern Cook Inlet Chinook and Coho Salmon Stocks

STUDY OBJECTIVES:

1. Index the Chinook salmon spawning escapement in 24 selected Northern Cook Inlet (NCI) area streams between mid-July and early August.
2. Index the coho salmon spawning escapement in 9 selected NCI area streams between late September and early October.

RESULTS/DISCUSSIONS:

Objective 1: Twenty-two of the 24 streams were surveyed for Chinook salmon spawning escapements. Two were not counted due to poor counting conditions and bad weather (Table 1).

Objective 2: Eight of the nine coho salmon streams were surveyed for coho spawning escapement. One stream was not counted due to a change in water channels (Table 1).

FINAL REPORT STATUS:

This performance report is the final report for the project objectives for this grant period.

Results will also be included in a Fishery Management Report (FMR) titled "Recreational Fisheries of Northern Cook Inlet, 2017".

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DATE: August 16, 2018

Table 1. Northern Cook Inlet Chinook and coho salmon escapements, 2017.

System	Escapement
Chinook Salmon	
Alexander Creek	170
Cache Creek	9
Chuitna River	235
Chulitna River ^a	
Clear Creek	780
Coal Creek	82
Deception Creek	500
Deshka River ^c	
Goose Creek	148
Indian River	203
Kashwitna River	161
Lake Creek	1601
Lewis River	0
Little Susitna River	1192
Little Willow Creek	840
Montana Creek	603
Moose Creek ^b	
Peters Creek	307
Portage Creek	545
Prairie Creek	1930
Red Creek	55
Sheep Creek ^a	
Talachulitna River	1087
Theodore River	21
Willow Creek	1329
Coho Salmon	
Answer Creek	74
Birch Creek	182
Cottonwood Creek	1388
McRoberts Creek	607
Bartko Slough ^b	
Question Creek	260
Rabideux Creek	119
Upper Jim Creek	874
Wasilla Creek	848

^a No count due to poor counting conditions

^b No count

^c Deshka River aerial counts were discontinued in 2014 in lieu of using weir counts to census spawning escapement.