

PERFORMANCE REPORT

STATE: Alaska

GRANT NO.: F-41-8

GRANT TITLE: William 'Jack' Hernandez Sport Fish Hatchery

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

STUDY NO. AND TITLE: CWT Marking and Evaluation of Hatchery Releases of Chinook and Coho Salmon

STUDY OBJECTIVES:

1. Mark approximately 40% of the Chinook salmon smolt in Ninilchik River, Deception Creek, and Crooked Creek release groups with an adipose fin clip.
2. Mark 100% of the Chinook salmon in Deception Creek, Ninilchik River, Crooked Creek, Homer Spit, Halibut Cove, Seldovia, Ship Creek, Fleming Spit, Whittier, Seward Lagoon, and Eklutna Tailrace with a thermal mark.
3. Mark 100% of the coho salmon in Ship Creek, Bird Creek, Campbell Creek, Eklutna Tailrace, Homer Spit, and Seward Lagoon release groups with a thermal mark.

RESULTS/DISCUSSIONS:

Objective 1: Successfully marked 40% of the Chinook salmon smolt in Ninilchik River, Deception Creek, and Crooked Creek release groups with an adipose fin clip.

Objective 2: Successfully marked 100% of the Chinook salmon in Deception Creek, Ninilchik River, Crooked Creek, Homer Spit, Halibut Cove, Seldovia, Ship Creek, Fleming Spit, Whittier, Seward Lagoon, and Eklutna Tailrace with a thermal mark. The release of Chinook salmon smolt into Halibut Cove was discontinued starting in 2018. Those thermally marked smolt were released at Homer Spit instead.

Objective 3: Successfully marked 100% of the coho salmon in Ship Creek, Bird Creek, Campbell Creek, Eklutna Tailrace, Homer Spit, and Seward Lagoon release groups with a thermal mark.

FINAL REPORT STATUS:

This performance report is the final report for these objectives for this reporting period.

Objective 1: The data for this objective was submitted to the Mark, Tag, and Age Laboratory via an online CWT Release Information Form. The Mark, Tag, and Age Laboratory database for anadromous releases may be queried at the address below:

<http://mtalab.adfg.alaska.gov/CWT/reports/hatcheryrelease.aspx>

Objectives 2 and 3: The thermal mark information is submitted to the Mark, Tag, and Age Laboratory via the Thermal Mark Report Form, thermal profiles recorded during the thermal marking events, and voucher samples of thermally marked fry. The Mark, Tag, and Age Laboratory database for thermal marks may be queried at the address below:

<http://mtalab.adfg.alaska.gov/OTO/reports/VoucherSummary.aspx>

Release information for thermally marked smolt is submitted to the Mark, Tag, and Age Laboratory via an online Non-CWT Release Information Form. The Mark, Tag, and Age Laboratory database for anadromous releases may be queried at the address below:

<http://mtalab.adfg.alaska.gov/CWT/reports/hatcheryrelease.aspx>

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DATE: July 18, 2018