**State of Alaska**
**Department of Fish and Game**
**Division of Sport Fish**

**Nomination Form**
**Anadromous Waters Catalog**

Region: SCN

USGS Quad(s): Tyonek C-2

AWC Number of Water Body: 247-41-10200-2053-3020

Name of Water body: ☐ USGS Name ☐ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

| | | | |
|---|---|---|---|
| Nomination # | 15-323 | James J Hasbrouck, Fisheries Scientist | 8/31/2015 Date |
| Revision Year: | 2016 | Habitat Operations Manager | 8/31/15 Date |
| Revision to: Atlas ____ Catalog ____ Both ✓ | | AWC Project Biologist | 24 July 15 Date |
| Revision Code: | B-2 | GIS Analyst | 9/15 Date |

OBSERVATION INFORMATION

| Species | Date(s) Observed | Spawning | Rearing | Present | Anadromous |
|---|---|---|---|---|---|
| Chinook salmon (7) | August 2015 | | | X | ☑ |
| | | | | | ☐ |
| Add Chinook salmon present to creek | | | | | ☐ |
| | | | | | ☐ |
| | | | | | ☐ |

**IMPORTANT**: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

**Comments** Chinook and coho salmon were caught by fish wheel or gillnet operated at river mile 30 and river mile 24-25. Uninjured fish were radio-tagged using ATS F1845B transmitters. Eleven tracking stations were placed throughout the mainstem Susitna and major tributaries throughout the Susitna River drainage and on the Yentna and Talachulitna Rivers. Aerial surveys were also conducted at an elevation of 1000 feet above ground traveling at 90 knots. Two ATS Model 4520 receiver/data loggers with an integrated global positioning system were used to identify radio tags and record locations. To ensure the integrity of the telemetry data, only gps points with a signal strength greater than 90 were used to determine location of the fish.

Name of Observer (please print): Gayle Neufeld
Signature: Gayle Neufeld
Date: 7/20/2015
Agency: ADFG SF
Address: 333 Raspberry Road
Anchorage, AK 99508

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Anadromous Waters Catalog.

Signature of Area Biologist: _____ Date: _____ Revision 11/13
Name of Area Biologist (please print):

**Susitna-Watana Hydroelectric Project**
**(FERC No. 14241)**
**Salmon Escapement Study**
**Study Plan Section 9.7**
**Updated Study Report**

Prepared for
Alaska Energy Authority

SUSITNA-WATANA HYDRO

*Clean, reliable energy for the next 100 years*

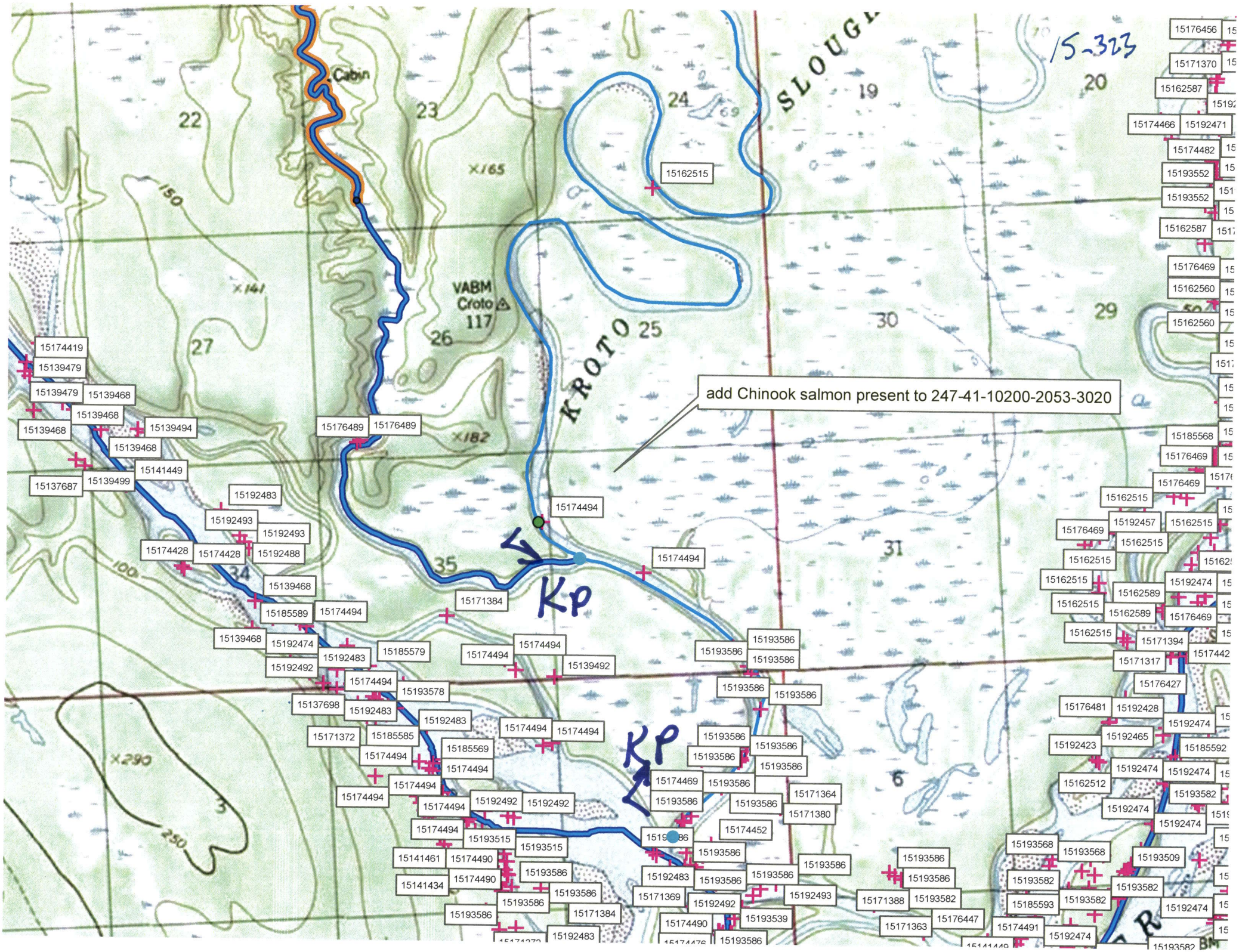
Prepared by
LGL Alaska Research Associates, Inc. &
Alaska Department of Fish and Game, Division of Sport Fish

June 2015

15-323

Chinook2014_fixed, 7/21/2015, Page 1

| FID | Shape | transmitte | decDegLat | decDegLon | species | telemetryT | FinalLat | FinalLong | DayOfYear |
|---|---|---|---|---|---|---|---|---|---|
| 8527 | Point | 15171317 | 61.590377 | -150.46213 | Chinook salmon | Aerial | 0 | 0 | 173 |
| 13431 | Point | 15174469 | 61.59416 | -150.459142 | Chinook salmon | Aerial | 0 | 0 | 176 |
| 14427 | Point | 15174494 | 61.606124 | -150.465879 | Chinook salmon | Aerial | 0 | 0 | 204 |
| 14561 | Point | 15174494 | 61.609612 | -150.47912 | Chinook salmon | Aerial | 0 | 0 | 234 |
| 21006 | Point | 15185569 | 61.599458 | -150.452089 | Chinook salmon | Aerial | 0 | 0 | 201 |
| 24683 | Point | 15192483 | 61.590247 | -150.461867 | Chinook salmon | Aerial | 0 | 0 | 209 |
| 24695 | Point | 15192483 | 61.589875 | -150.462463 | Chinook salmon | Aerial | 0 | 0 | 212 |
| 24687 | Point | 15192492 | 61.58937 | -150.46447 | Chinook salmon | Aerial | 0 | 0 | 209 |
| 27935 | Point | 15193586 | 61.59487 | -150.453142 | Chinook salmon | Aerial | 0 | 0 | 173 |
| 27936 | Point | 15193586 | 61.593967 | -150.454285 | Chinook salmon | Aerial | 0 | 0 | 173 |
| 27939 | Point | 15193586 | 61.594185 | -150.453975 | Chinook salmon | Aerial | 0 | 0 | 173 |
| 27961 | Point | 15193586 | 61.60119 | -150.4544 | Chinook salmon | Aerial | 0 | 0 | 209 |
| 27977 | Point | 15193586 | 61.594935 | -150.453015 | Chinook salmon | Aerial | 0 | 0 | 201 |
| 27983 | Point | 15193586 | 61.592372 | -150.456675 | Chinook salmon | Aerial | 0 | 0 | 258 |
| 27984 | Point | 15193586 | 61.599937 | -150.452507 | Chinook salmon | Aerial | 0 | 0 | 263 |
| 28002 | Point | 15193586 | 61.590636 | -150.460909 | Chinook salmon | Aerial | 0 | 0 | 212 |
| 28042 | Point | 15193586 | 61.593943 | -150.454235 | Chinook salmon | Aerial | 0 | 0 | 194 |
| 28058 | Point | 15193586 | 61.594852 | -150.453093 | Chinook salmon | Aerial | 0 | 0 | 180 |
| 28061 | Point | 15193586 | 61.594582 | -150.453217 | Chinook salmon | Aerial | 0 | 0 | 219 |
| 28087 | Point | 15193586 | 61.597208 | -150.451018 | Chinook salmon | Aerial | 0 | 0 | 249 |
| 28091 | Point | 15193586 | 61.60075 | -150.453615 | Chinook salmon | Aerial | 0 | 0 | 263 |
| 28092 | Point | 15193586 | 61.599937 | -150.452507 | Chinook salmon | Aerial | 0 | 0 | 263 |
| 28093 | Point | 15193586 | 61.60075 | -150.453615 | Chinook salmon | Aerial | 0 | 0 | 263 |
| 28099 | Point | 15193586 | 61.594034 | -150.45387 | Chinook salmon | Aerial | 0 | 0 | 268 |


15-323
add Chinook salmon present to 247-41-10200-2053-3020
KROTO
SLOUGH
Cabin
VABM
Croto
117
Kp
Kp
22
23
24
19
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15162515
15176489
15176489
15174494
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