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

Nomination Form
Anadromous Waters Catalog

Region: Southcentral

USGS Quad(s): Talkeetna Mountains D-4

AWC Number of Water Body: 247-41-10200-XXXX

Name of Water body: Tsusena Creek ☑ USGS Name ☐ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #	Fisheries Scientist	Date
Revision Year:	Habitat Operations Manager	Date
Revision to: Atlas ____ Catalog ____ Both ____	AWC Project Biologist	Date
Revision Code:	GIS Analyst	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Chinook Salmon	7/19/2013-9/16/2013			Y	☑
					☐
					☐
					☐
					☐

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 A total of 9 Chinook salmon were observed in Tsusena Creek. The nearest AWC nomination is the Susitna River. During AEA's sampling efforts, adult Chinook salmon were observed on 8/1/2013 (1), 8/8/3013 (4), 8/9/3013 (1), and 8/15/3013 (2) using various methods including aerial spawning surveys, radio telemetry surveys, and snorkeling. One additional Chinook salmon was observed between 7/19/2013 and 9/16/2013 as a part of the radio telemetry surveys. For additional information, see attached tables, map, and GIS shapefiles.

Name of Observer (please print): Nathan Anderson

Signature: [signature] Date: 9/5/2014

Agency: Alaska Energy Authority

Address: 813 West Northern Lights Blvd.
Anchorage, AK, 99503

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):

Table 1-1. (AWC Number 247-41-10200-XXXX) 2013 Aerial Surveys of Adults

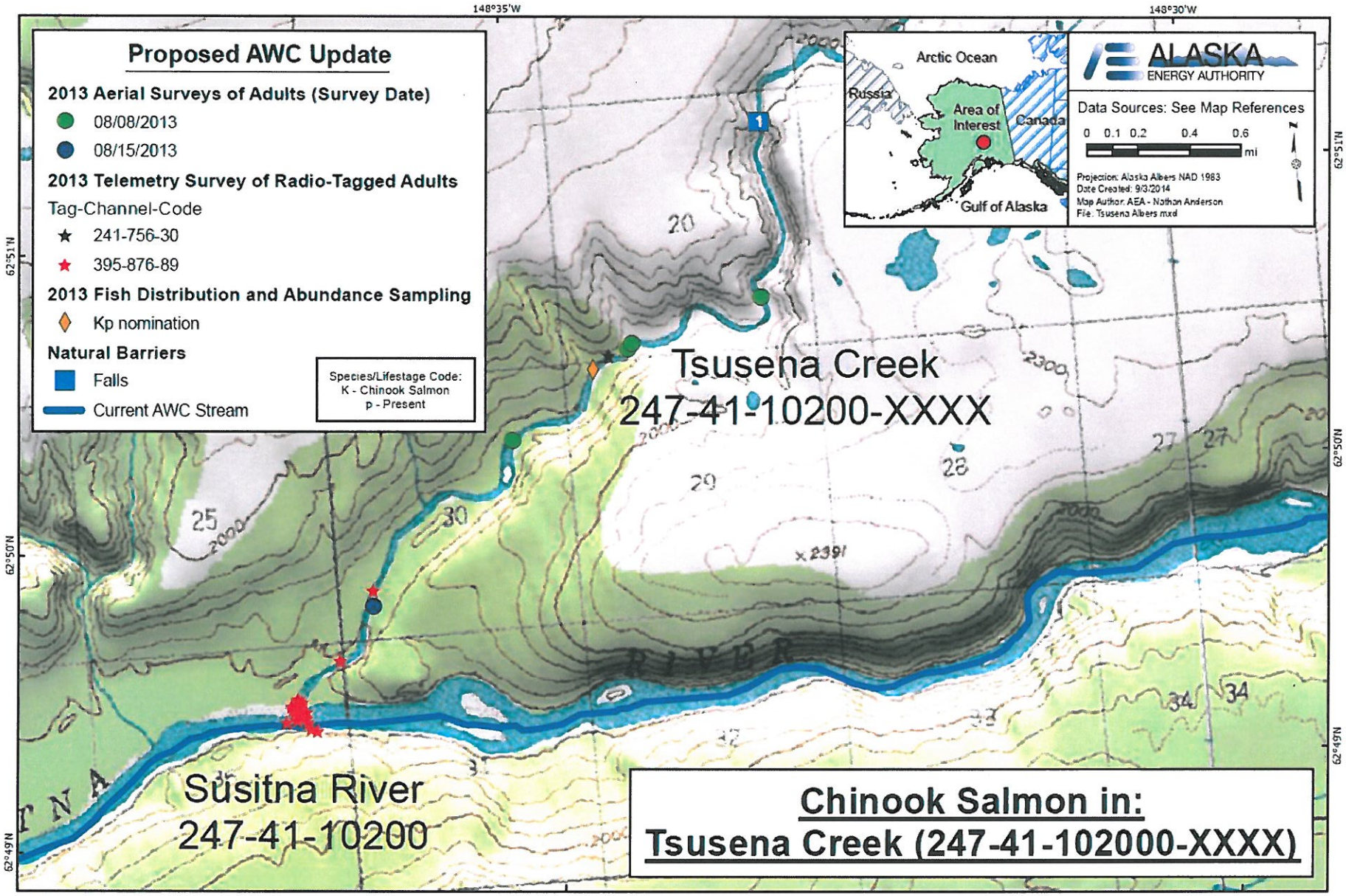
Event ID	Survey Date	Species	Fish Count	Latitude	Longitude
FDAML4_130815135117	8/15/2013	Chinook salmon	2	62.82891	-148.604389
FDAML4_130808160336	8/8/2013	Chinook salmon	1	62.837526	-148.58563
FDAML4_130808160336	8/8/2013	Chinook salmon	1	62.842108	-148.570513
FDAML4_130808160336	8/8/2013	Chinook salmon	1	62.842376	-148.569999
FDAML4_130808160336	8/8/2013	Chinook salmon	1	62.84435	-148.553631

Table 1-2. (AWC Number 247-41-10200-XXXX) 2013 Telemetry Survey of Radio-Tagged Adults

Survey Date	Species	Tag	Label	Latitude	Longitude
8/26/2013	Chinook salmon	395	876-89	62.822153	-148.612465
8/6/2013	Chinook salmon	395	876-89	62.822275	-148.613177
8/13/2013	Chinook salmon	395	876-89	62.822627	-148.613542
7/28/2013	Chinook salmon	395	876-89	62.822757	-148.616152
7/29/2013	Chinook salmon	395	876-89	62.822817	-148.614917
7/30/2013	Chinook salmon	395	876-89	62.82292	-148.613698
7/27/2013	Chinook salmon	395	876-89	62.822985	-148.613947
7/19/2013	Chinook salmon	395	876-89	62.823197	-148.61448
7/26/2013	Chinook salmon	395	876-89	62.823255	-148.61357
8/19/2013	Chinook salmon	395	876-89	62.82327	-148.615047
7/22/2013	Chinook salmon	395	876-89	62.823447	-148.615162
8/2/2013	Chinook salmon	395	876-89	62.823602	-148.615403
7/31/2013	Chinook salmon	395	876-89	62.823623	-148.614285
7/25/2013	Chinook salmon	395	876-89	62.823627	-148.614728
8/1/2013	Chinook salmon	395	876-89	62.823825	-148.61409
9/2/2013	Chinook salmon	395	876-89	62.823898	-148.614538
9/16/2013	Chinook salmon	395	876-89	62.824002	-148.614528
7/24/2013	Chinook salmon	395	876-89	62.82595	-148.608955
7/23/2013	Chinook salmon	395	876-89	62.829757	-148.604258
8/1/2013	Chinook salmon	241	756-30	62.841777	-148.573002

Table 1-3. (AWC Number 247-41-10200-XXXX) 2013 Fish Distribution and Abundance Sampling

Study Name	Survey Date	Species	Fish Lifestage	Observation Method	Fish Length Estimate	Fish Count	Downstream Latitude	Downstream Longitude	Upstream Latitude	Upstream Longitude
FDA, MR Tribs, Direct	8/9/2013	Chinook salmon	Adult	Snorkel	625	1	62.840386	-148.576057	62.841111	-148.575084



SUSITNA-WATANA
HYDROELECTRIC PROJECT

1. Barrier falls. Single falls 30 feet tall. Taken at high altitude right over falls to avoid raptor nest.