



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

Nomination Form
Anadromous Waters Catalog

Region Southcentral USGS Quad(s) TALKEETNA A-1
 Anadromous Waters Catalog Number of Waterway 247-41-10200-2291 ~~3002~~ 2301
 Name of Waterway Rabideux Creek USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>10-920</u>	<u>[Signature]</u> Fisheries Scientist Date <u>10/26/10</u>
Revision Year: <u>2011</u>	<u>[Signature]</u> Habitat Operations Manager Date <u>10/26/10</u>
Revision to: Atlas _____ Catalog _____ Both <input checked="" type="checkbox"/>	<u>[Signature]</u> AWC Project Biologist Date <u>25 OCT 10</u>
Revision Code: <u>A-2</u>	<u>[Signature]</u> Cartographer Date <u>11/9/10</u>

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho Salmon	July 09, 2010		X	X	<input checked="" type="checkbox"/>
King Salmon	July 09, 2010		X	X	<input checked="" type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

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: 20 Coho Salmon and one King Salmon captured while electrofishing at ST_427.
 See the following attachments:
 - Stream Crossing Data Form 62° 10.537 N
 - Field Map of Stream Crossing 150° 11.838 W
 - USGS Quadrangle Map
 - Fish abbreviations Add new stream w/ coho salmon rearing

Name of Observer (please print): Stacey Aughe
 Signature: [Signature] Date: 10/22/2010
 Agency: ASRC Energy Services Alaska, Inc.
 Address: 2700 Gambell Street, Suite 200
Anchorage, Alaska 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
 02/08

Alaska Gasline Development Corporation
 Alaska Stand Alone Gas Pipeline Project
 2010 Anadromous Waters Catalog Nominations

Region	Location ID	Latitude	Longitude	AWC No. of Waterway	Name of Waterway	USGS Quadrangle Map	Previous Species	2010 Species for Addition
SC	ST_383	63.13397	-149.44833	247-41-10200-2381-3260	East Fork Chulitna River	HEALY A-5	COP, Ks	Kr, CN
SC	ST_388	63.05868	-149.55386	247-41-10200-2381-3240	Honolulu Creek	HEALY A-6	COPr, Ks	COR
SC	ST_403	62.60752	-150.22528	247-41-10200-2381	Chulitna River	TALKEETNA C-1	CHs, COP, Kp, Pp, Sp	COR
SC	ST_420	62.27924	-150.24844	247-41-10200-2291-3049	Name Unknown	TALKEETNA B-1	COSr	Kr
SC	ST_421	62.26963	-150.24426	247-41-10200-2291	Rabideux Creek	TALKEETNA B-1	COR	COR
SC	ST_427	62.17563	-150.18938	247-41-10200-2291	Rabideux Creek	TALKEETNA A-1	COR, Kr	COR, Kr
SC	ST_435	62.04490	-150.04491	247-41-10200-2226	Name Unknown	TALKEETNA A-1	COR	COR

Stream Crossing Data Form

GPS 0091

Project: ADNR Streams

Date: 7/9/2010

Stream/Waterbody Name ID: SX 477

Alignment Milepost: N 6.74

USGS Quad _____

Latitude: 62° 10.538

Longitude: 150° 11.363 (decimal degrees NAD83)

Accuracy _____

LOWER

Stream Reach lower and upper end points:

Upper Lat: 62° 10.537

Lower Long: 150° 11.338

Lat 62° 10.538
Long 150° 11.314

Photograph Information (i.e. number taken, description - upstream/downstream) 0000E East 00009 West

Weather:

Precipitation:

Cloudy _____ Partly Cloudy _____ Mostly Cloudy Clear _____

None Rain _____ Showers _____ Snow _____

GPS 0091

Investigator(s): AGA EMR

Physical/Chemical Attributes

Electrofishing Attributes

Water Temperature (°C) 8.31
Air Temperature (°C) 14.69
pH 7
Dissolved Oxygen (mg/l) 7.24
Specific Conductivity (µS/cm, o.) 193
Turbidity (NTU) —
Color, clarity/visibility CLR

Start Time 1641 End Time 1650

Volts (V) 300
Current (I or A) 7.8
Power (W) 547
Frequency (Hz) 45
EF Time (s) 117

Waveform Pulse
Duty Cycle (%) 25

Actual Sample Reach Length (m) 10m
Sampling Efficiency (% of sample reach) 10

Comments:

external parasite in bucket brown striped detached from host Additional

Stream Attributes (at crossing)

Ordinary High Water (OHW)

Channel width (m) 19

Stream Substrate (%)

Silt _____ Sand 70 Gravel _____ Cobble _____
Rubble _____ Boulder _____ Bed Rock _____ Organics 30

Wetted Levels:

Channel width (m) 17
Thalweg depth (m) 0.28

Habitat Value (High, Moderate, Low)

Spawning LOW Rearing MOD Anadromous Y (Y/N)

Aquatic Habitats:

Sand Bar Undercut Banks _____ Deep Pools _____ In stream Emergent Plants
Gravel Bar _____ Gravel _____ Bank Root Systems _____ In-stream Submerged Plants
Mud Bar _____ Riffles _____ Overhanging trees/shrubs _____ Fringing Wetlands

Flow Type (check type)

Perennial
Seasonal
Intermittent
Ephemeral

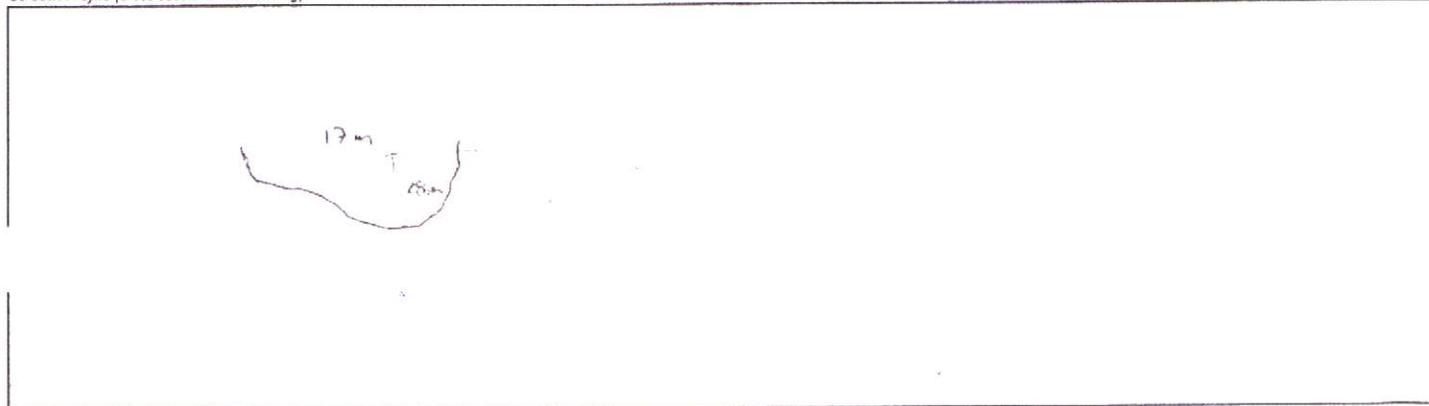
Riparian Zone: width of natural vegetation zone from edge of active channel out to flood plain looking downstream

Left Bank 30 (m) Right Bank 70 (m) Vegetation Layers: Trees 50 Shrubs 70 Herbs 70
R 30 70

Comments (i.e. spawning fish, presence of redds)

Freezes to substrate in winter, vehicle traffic in center

Stream Profile (cross sectional at crossing)



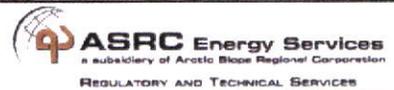


Stream Crossing

Priority:

- 1st
- 2nd
- 3rd
- Milepost

- Parks Highway Alignment
- 2,000 ft Buffer
- - - Trans-Alaska Pipeline
- ▭ Minto Flats State Game Refuge
- AWC Waterway
- Town



**ALASKA STAND ALONE
GAS PIPELINE PROJECT**
Stream Crossing Locations

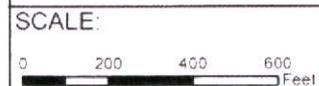
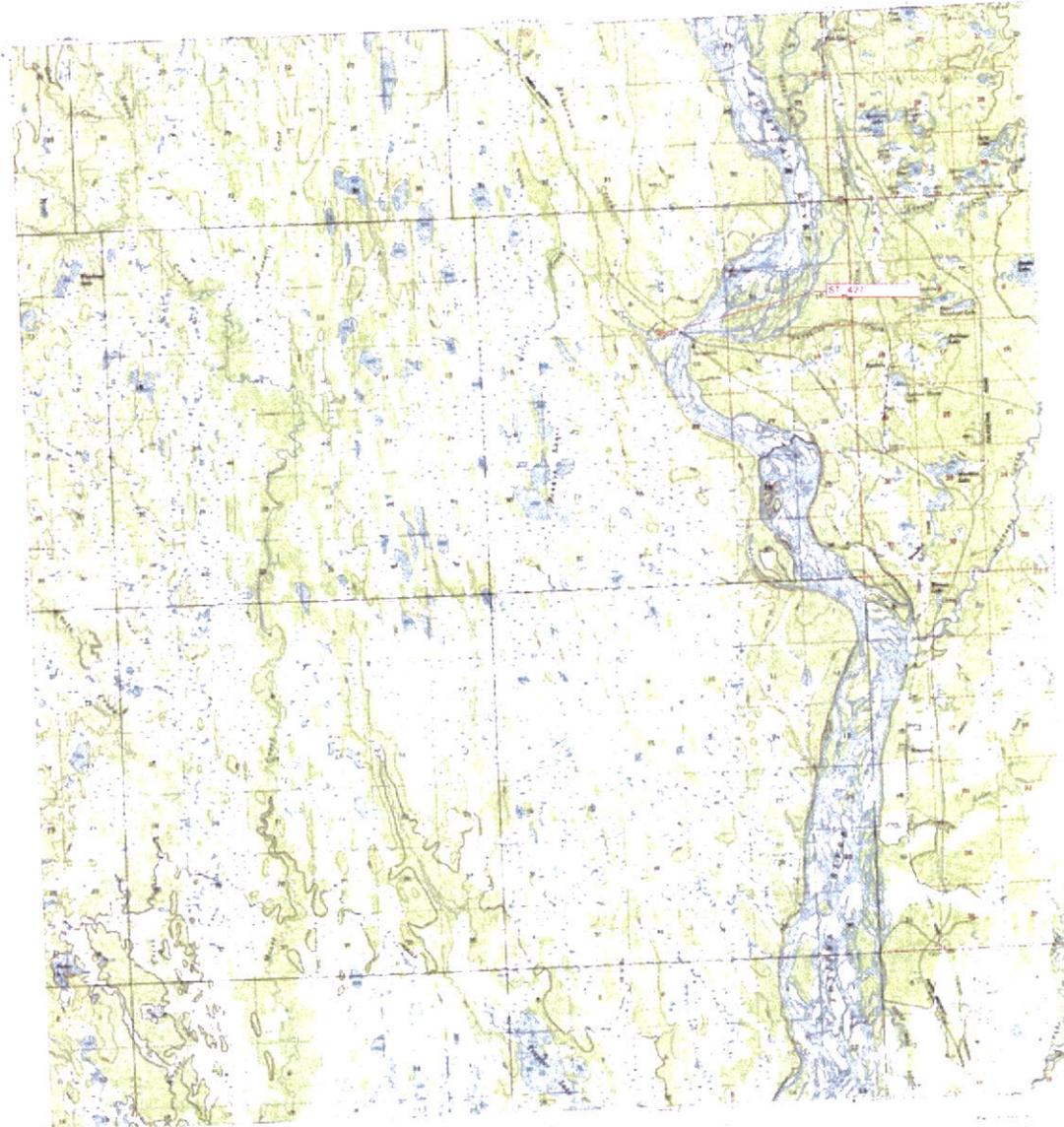


FIGURE:
6

TAKEETNA IN QUADRANGLE
ALASKA
U.S. GEOLOGICAL SURVEY
1:50,000



Source: U.S. Geological Survey, Alaska Division, 1960. Data from 1950 and 1955. Contour interval 20 feet. Spot heights in feet. Elevation in feet above sea level. Contour interval 20 feet. Spot heights in feet. Elevation in feet above sea level. Contour interval 20 feet. Spot heights in feet. Elevation in feet above sea level.

FOR SALE BY U.S. GEOLOGICAL SURVEY
FARMHOUSE ALASKA WITH SCENERY (ALASKA) MAPS ON REQUEST, INCLUDES 1960
1:50,000 SCALE, "TAKEETNA" MAPS WITH PROFILES & ELEVATIONS ON 1950-55

TAKEETNA (A-1), ALASKA
1:50,000
U.S. GEOLOGICAL SURVEY

The abbreviations from this list were used in the AGDC Stream Crossing Data Forms

<u>Common Name</u>	<u>Latin Name</u>	<u>Field Abbreviation</u>
Chinook (king) salmon	<i>Oncorhynchus tshawytscha</i>	KS
Coho (silver) salmon	<i>Oncorhynchus kisutch</i>	SS
Chum (dog) salmon	<i>Oncorhynchus keta</i>	DS
Sockeye (red) salmon	<i>Onchorhyncus nerka</i>	RS
Pink (humpy) salmon	<i>Oncorhynchus gorbuscha</i>	PS
Rainbow Trout	<i>Oncorhynchus mykiss</i>	RB
Whitefish	<i>Coregonus sp.</i>	WF
Broad whitefish	<i>Coregonus nasus</i>	BW
Humpback whitefish	<i>Coregonus pidschian</i>	HW
Arctic cisco	<i>Coregonus autumnalis</i>	CA
Bering cisco	<i>Coregonus laurettae</i>	BC
Least cisco	<i>Coregonus sardinella</i>	CS
Round whitefish	<i>Prosopium cylindraceum</i>	RW
Dolly Varden	<i>Salvelinus malma</i>	DV
Arctic char	<i>Salvelinus alpinus</i>	AC
Lake trout	<i>Salvelinus namaycush</i>	LT
Arctic grayling	<i>Thymallus arcticus</i>	GR
Burbot	<i>Lota lota</i>	BB
Slimy sculpin	<i>Cottus cognatus</i>	CN
Ninespine stickleback	<i>Pungitius pungitius</i>	S9
Longnose sucker	<i>Catostomus catostomus</i>	LS
Northern pike	<i>Esox lucius</i>	NP
Alaska blackfish	<i>Dallia pectoralis</i>	AB
Rainbow smelt	<i>Osmerus mordax</i>	OM
Inconnu (sheefish)	<i>Stenodus Leucichthys</i>	IN
Sculpin (Family)	<i>Cottidae</i>	CN
ThreeSpine Stickleback	<i>Gasterosteus sp.</i>	SB



October 22, 2010

J. Johnson
 ADF&G Sport Fish Division Regional Office
 333 Raspberry Road
 Anchorage, Alaska 99518

**RE: 2010 Nominations for Additions to the Anadromous Waters Catalog
 Nominations Derived from Alaska Stand Alone Gas Pipeline Project 2010
 Stream Surveys**

Dear Mr. Johnson:

The Alaska Gasline Development Corporation (AGDC) contracted ASRC Energy Services Alaska, Inc. (AES) to conduct stream crossing surveys for the Alaska Stand Alone Gas Pipeline Project during the 2010 field season. AES performed the surveys and collected data under an Alaska Department of Fish & Game (ADF&G) Title 16 Habitat Permit and fish collection permit SF2010-178. One hundred and twenty four (124) streams were surveyed during the 2010 season at streams crossings from Livengood south to Point Mackenzie. Review of the data led to the determination that seven (7) of the streams surveyed qualified for nomination to the Anadromous Water Catalog (AWC). The attached package contains the nomination forms and supporting information. Below is a summary list of the nominations for addition to the AWC.

Region	Stream Crossing ID	AWC Number of Waterway	Name of Waterway	USGS QUAD
SC	383	247-41-10200-2381-3260	East Fork Chulitna River	HEALY A-5
SC	388	247-41-10200-2381-3240	Honolulu Creek	HEALY A-6
SC	403	247-41-10200-2381	Chulitna River	TALKEETNA C-1
SC	420	247-41-10200-2291-3049	Name Unknown	TALKEETNA B-1
SC	421	247-41-10200-2291	Rabideux Creek	TALKEETNA B-1
SC	427	247-41-10200-2291	Rabideux Creek	TALKEETNA A-1
SC	435	247-41-10200-2226	Name Unknown	TALKEETNA A-1

Sincerely,

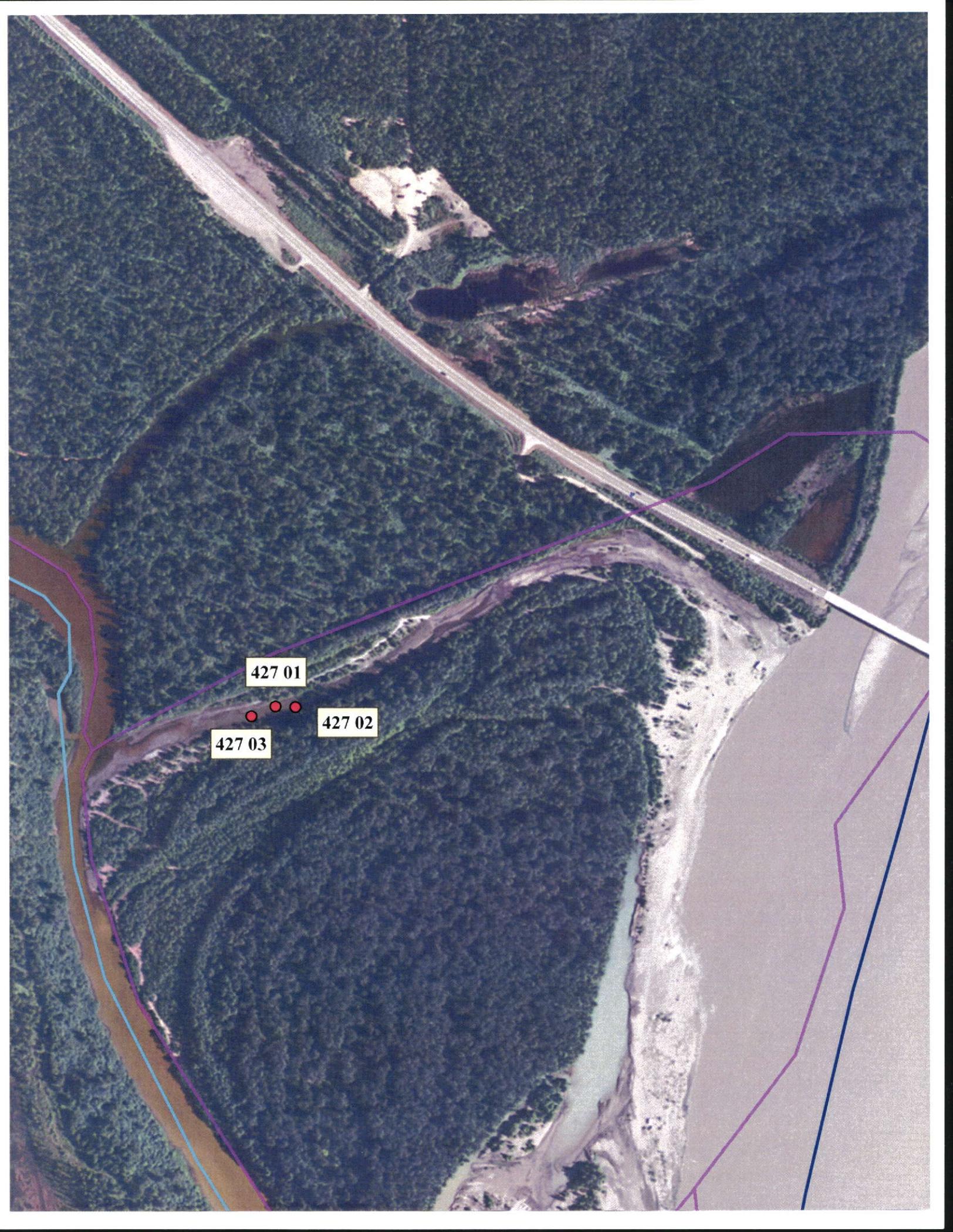
Dave Norton
 Engineering Manager

2010 Nominations for Additions to the Anadromous Waters Catalog
October 22, 2010
Page 2 of 2

Enclosures: 2010 Nominations for Addition to the Anadromous Waters Catalog

cc: ASRC Energy Services Alaska, Inc.
Administration Record

DL/SS/NS/GS
15317-08-003-10-004/10-111



427 01

427 02

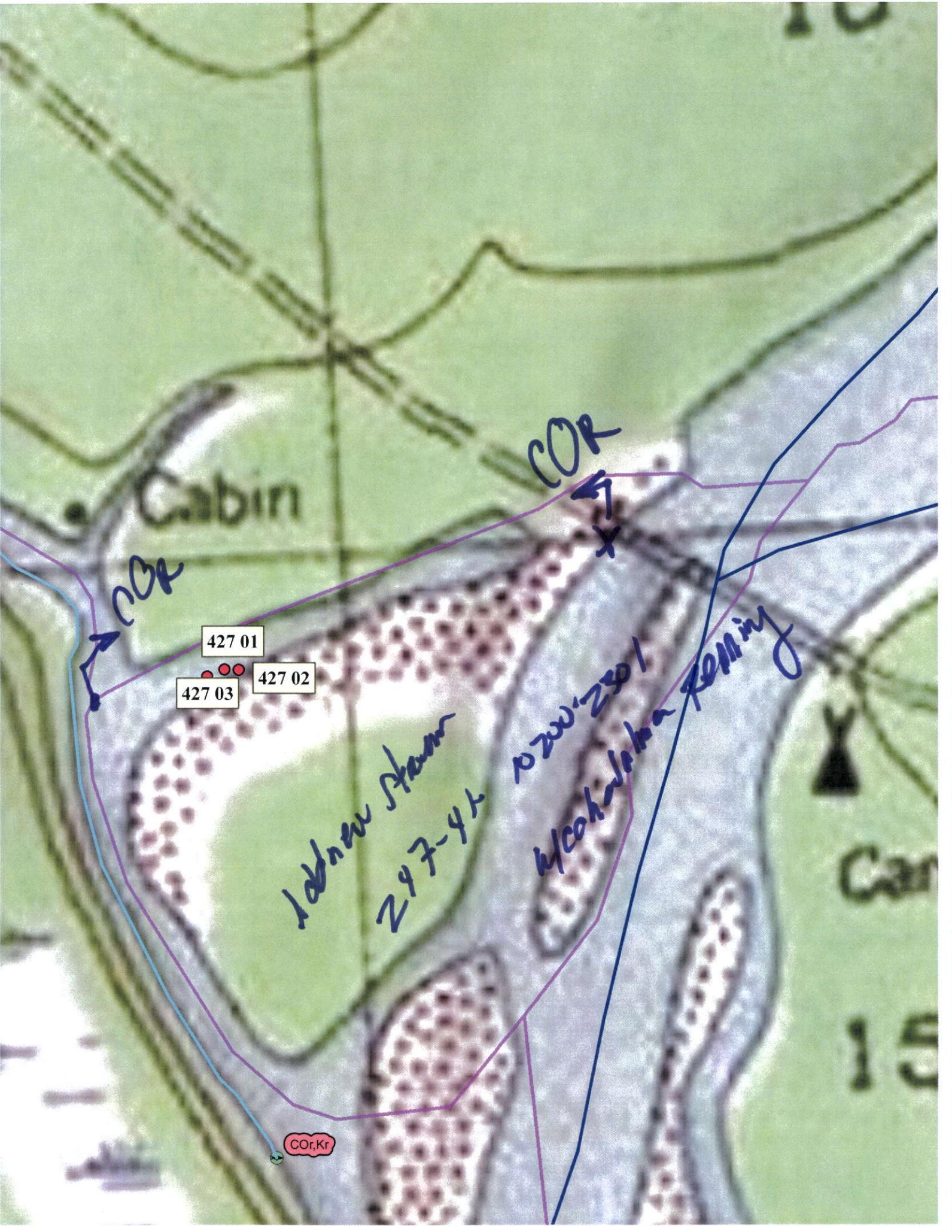
427 03



427 01

427 02

427 03



Cabin

COR

COR

427 01

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Johns Harbor
297-4x

0200-2301

Kochalaha Ferry

CO,Kr