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: 247-41-10200-2226 -3011

Name of Waterway: Name Unknown

[X] USGS Name [ ] Local Name

[X] Addition [ ] Deletion [ ] Correction [ ] Backup Information

For Office Use

Nomination #	10-919	Fisheries Scientist	10/26/10 Date
Revision Year:	2011	Habitat Operations Manager	10/26/10 Date
Revision to:	Atlas ____ Catalog ____ Both X	AWC Project Biologist	25 OCT 10 Date
Revision Code:	A-2	Cartographer	11/9/10 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho Salmon	July 08, 2010		X	X	[X]
					[ ]
					[ ]
					[ ]
					[ ]

Add new stream w/ coho salmon rearing

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: 10 juvenile Coho Salmon captured in a minnow trap left overnight at ST_435.

See the following attachments:

- Stream Crossing Data Form
- Field Map of Stream Crossing
- USGS Quadrangle Map
- Fish abbreviations

62.04490 N upper
150.06082 W
62.04491 N
150.06094 W

Name of Observer (please print): Stacey Aughe

Signature: [signature] for

Date: 10/22/2010

Agency: ASRC Energy Services Alaska, Inc.

Address: 2700 Gambell Street, Suite 200
Anchorage, Alaska 99503

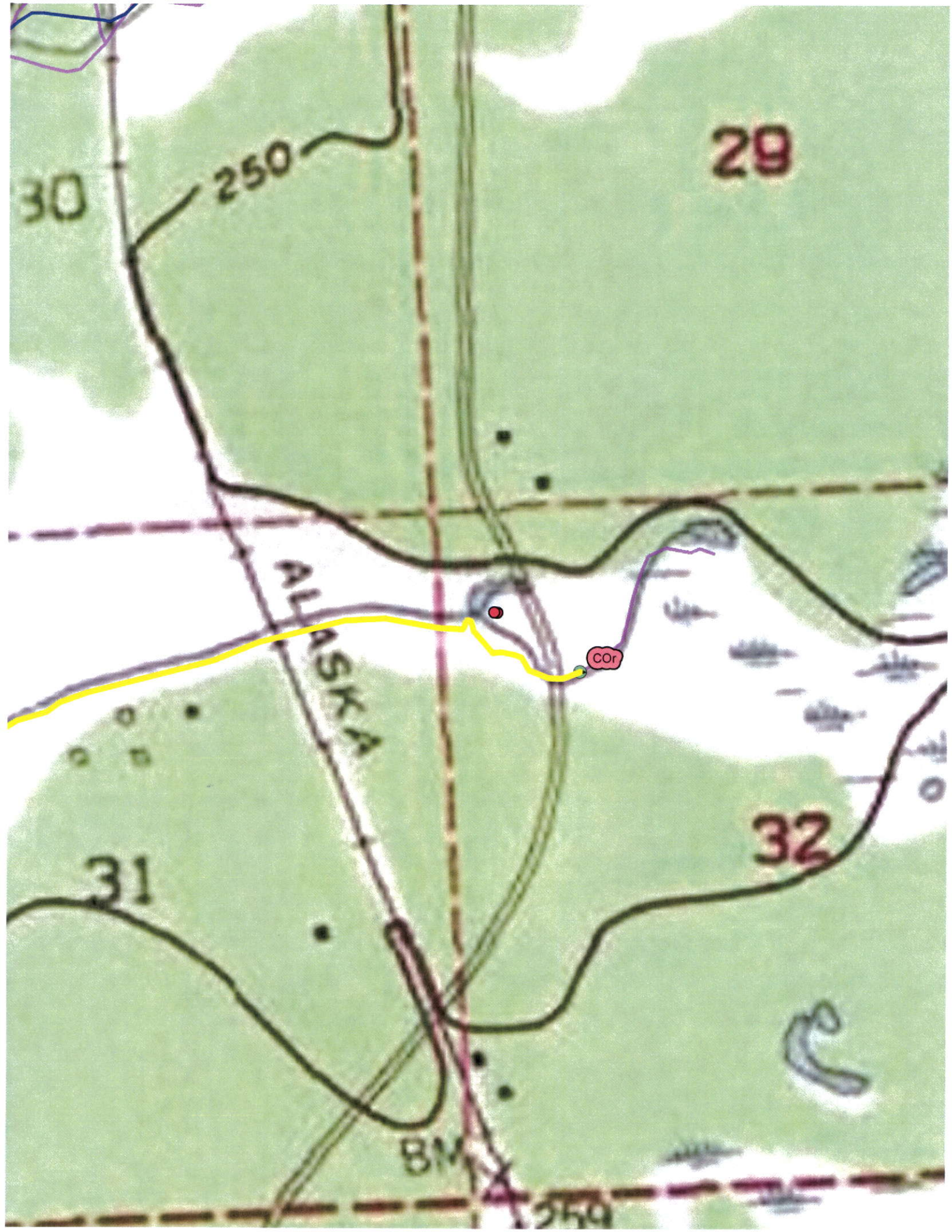
This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Anadromous Waters Catalog.

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


30
250
29
ALASKA
COr
31
32
BM
259

Stream Crossing Data Form

GPS0090 MT

Project: ADNR STREAMS

Date: 7/8/2010

Stream/Waterbody Name ID: ST-435

Alignment Milepost: 685 x < 690

USGS Quad: _____

Latitude: N 62.04490

Longitude: W150.06082 (decimal degrees NAD83)

Accuracy: _____

Stream Reach lower and upper end points: Lat/Long Lower: N62.04491 Lat/Long Upper: W150.06094 GPS 0090

Photograph Information (i.e. number taken, description - upstream/downstream): upstream: 0006 East downstream: 0007 (West)

~~0012 upstream, 0013 East sub-range west~~

Weather:

Cloudy ___ Partly Cloudy ___ Mostly Cloudy X Clear ___

Precipitation:

None ___ Rain X Showers ___ Snow ___

Investigator(s): Stacey, Austin, Kit, Liz

Physical/Chemical Attributes

Water Temperature (°C)	15.7
Air Temperature (°C)	16.5
pH	7.21
Dissolved Oxygen (mg/l)	12.62
Specific Conductivity (µS/cm; σ)	.53
Turbidity (NTU)	—
Color, clarity/visability	CLR

CLR - Clear, HUM - Humme, FER - Ferric, MUD - Muddy, GHT - High Turbidity, GLT - Low Turbidity

Electrofishing Attributes

Start Time: — End Time: —

n/a

Volts (V)	—	Waveform	—
Current (I or A)	—	Duty Cycle (%)	—
Power (W)	—		
Frequency (Hz)	—	Actual Sample Reach Length (m)	—
EF Time (s)	—	Sampling Efficiency (% of sample reach)	—

Comments: —

Stream Attributes (at crossing)

Ordinary High Water (OHW)

Channel width (m): 1 m

Wetted Levels:

Channel width (m): _____

Thalweg depth (m): .15m

Water Level: moderate

Stream velocity @ Thalweg (cfs): _____

Flow (m/s) 0.1

Flow Type (check type)

Perennial: X

Seasonal: _____

Intermittant: _____

Ephemeral: _____

Stream Substrate (%)

Silt		Sand		Gravel	80	Cobble	20
Rubble		Boulder		Bed Rock		Organics	

Habitat Value (High, Moderate, Low)

Spawning: no Rearing: ~~low~~ high Anadromous: Y (Y/N)

Aquatic Habitats:

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

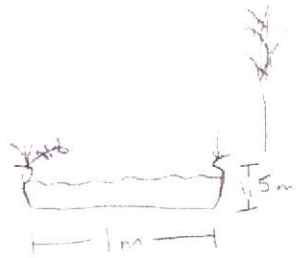
Riparian Zone: width of natural vegetation zone from edge of active channel out to flood plain looking downstream

Left Bank: 3 (m) Right Bank: 1.7 (m) Vegetation Layers: Trees Shrubs Herbs

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

—

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

ASRC Energy Services
a subsidiary of Arctic Slope Regional Corporation
Regulatory and Technical Services

ALASKA STAND ALONE GAS PIPELINE PROJECT
Stream Crossing Locations

SCALE: 0 200 400 600 Feet

FIGURE: 7

NAD83 State Plane Zone 4

Stream crossing locations identified by Michael Baker Corporation

AES-RTS: 10-111-001 mxd 10/22/10 R00

Stream Crossing Data Form

Project: APNR STREAMS Date: 7/8/10

Stream/Waterbody ID: ST_435

Investigator(s): Kit, Austin

Fish Observations

Gear Type Minnow Trap 17:47 (7/8) 10:14 (7/9) ~~09:49 (7/9)~~

For all fish please populate the header row with Species Code. All fork lenghts in millimeters (mm). Note time in, time out for minnow trapping.

SS	CD	SB(3)							
~~No fish in trap~~			~~Ø fish caught~~			AGA			
~~Weather clear ≈ 60°F~~									
78	62	35							
~~96~~ 91		40							
80		34							
79		30							
84		34							
92									
81									
85									
65									
75									

Fish Observations

Gear Type

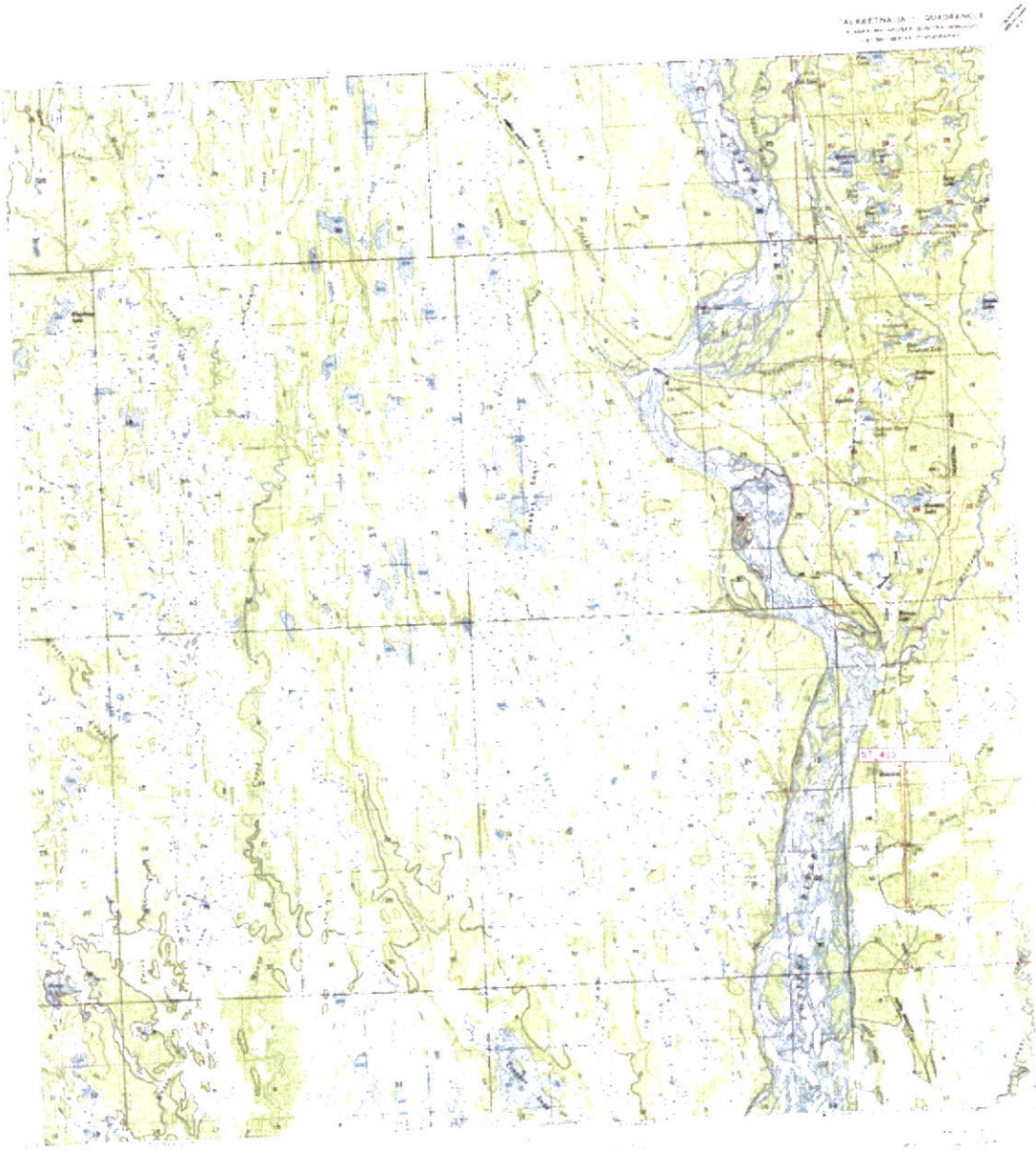
For all fish please populate the header row with Species Code. All fork lenghts in millimeters (mm). Note time in, time out for minnow trapping.

Notes: (any additional information about sampling event)

Storic Beaver activity

trapping evidence

Created 4/19/2010 13:21 Date Modified 7/7/2010 12:02



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

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

ALASKA GASLINE DEVELOPMENT CORP.
GAS FOR ALASKANS

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

ALASKA GASLINE DEVELOPMENT CORPORATION
P.O. Box 101020 Anchorage, Alaska 99501 | 411 West Fourth Avenue, Suite 1E, Anchorage
Tel. 907-277-4488 | Fax 907-277-4484 | www.gasline.us.com

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

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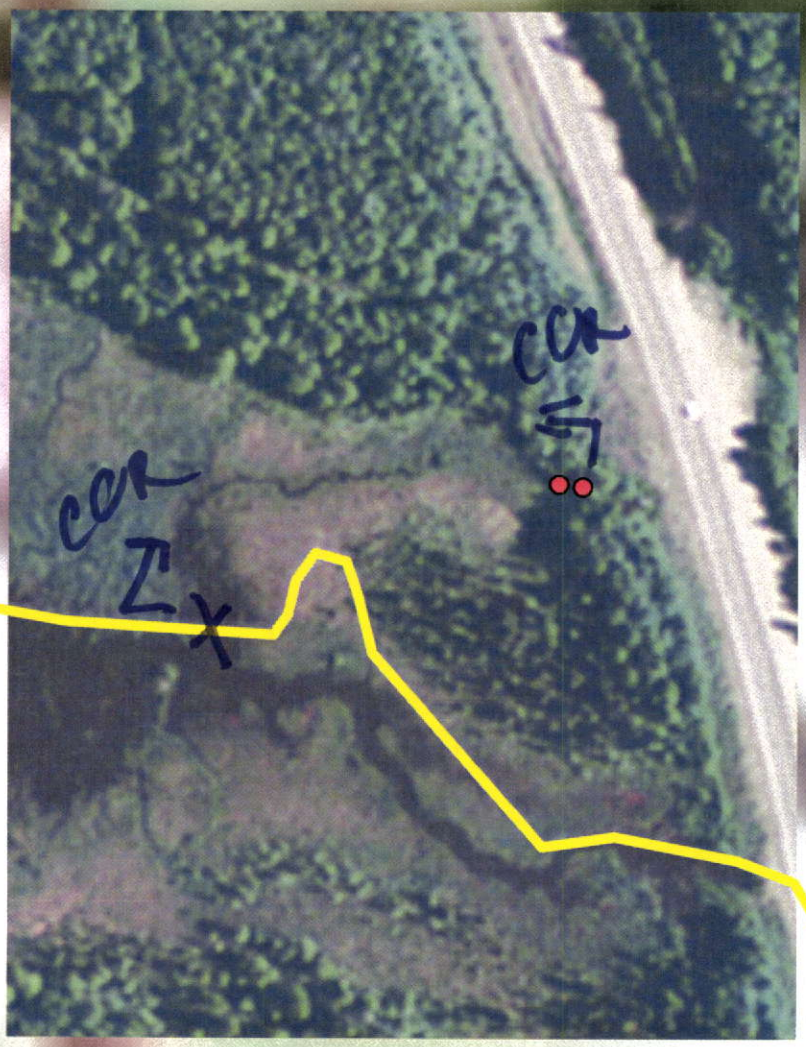

Dold new stream 247 41-10200-2226-3011
w/ coho salmon Rearing
no tracks