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

Nomination Form
Anadromous Waters Catalog

Region: Southwest

USGS Quad: Dillingham D-5

Anadromous Waters Catalog Number of Waterway: ~~N/A~~ 325-30-10100-2249-3015-4002 **Status:** N/A

Name of Waterway: _____ ☐ **USGS Name** ☐ **Local Name**

☑ **Addition** ☐ **Deletion** ☐ **Correction** ☐ **Backup Information**

Nomination # 11-391		10/14/11
	Fisheries Scientist	**Date**
Revision Year: 2012		10/14/11
	Habitat Operations Manager	**Date**
Revision to: **Atlas** ____ **Catalog** ____ **Both** x		9/28/11
	AWC Project Biologist	**Date**
Revision Code: A-2		10/28/11
	Cartographer	**Date**

Site Information **Station:** FSN1106A05 **Date Observed:** 8/20/2011 **Legal Desc.:** Sec 34, T. 4 S., R. 49 W., S.M. **Latitude:** 59.78672 **Longitude:** -157.68577 **Datum:** WGS84

Stream Parameters:

	Depth (m)	Width (m)	
OHW	0.6	2.0	**Water Temp. (C):** 7.8
Wetted	0.6	2.0	**Stream Stage:** High
			Dominant Substrate: Organic

Rosgen Channel Type: E5 *Low gradient, meandering riffle/pool stream with low width/depth ratio and little deposition. Very efficient and stable. High meander width ratio.*

Field Comments: The upstream limit of the defined stream channel is approximately 0.6 km upstream of station coordinates. Upstream spring appears to originate in the delta of a Pleistocene meltwater channel. Upstream of 7 beaver dams; downstream of none. Ranunculus aquatilis and Fontinalis sp. blanket channel substrate. Unconsolidated substrate and low velocity prevent meaningful discharge measurement. Unusually high DO.

Observation Information

Life History: Obligate anadromous population

Species\Lifestage: coho salmon juvenile **Samp. ID (# Fish):** A (7)

Key to Samp. ID

Samp. ID: A **Method:** Portable Electrofisher **Electrofisher Time(s):** 124 **Efficiency:** Poor

Add new stream w/coho salmon REARING / present

Ref nom # 11-390

Additional Comments: Rearing coho salmon were observed at this location and at 06A04. Recommend specifiying rearing coho salmon habitat from this location downstream to the Nuyakuk River (AWC stream 325-30-10100-2249) as habitat throughout this reach is suitable for coho.

Name of Observer: Michael Wiedmer Phone: (907) 243-7005 Date Printed: 9/21/2011

Signature: _____

Address: Malma Consulting,
2500 Susitna Drive
Anchorage, AK 99517

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.

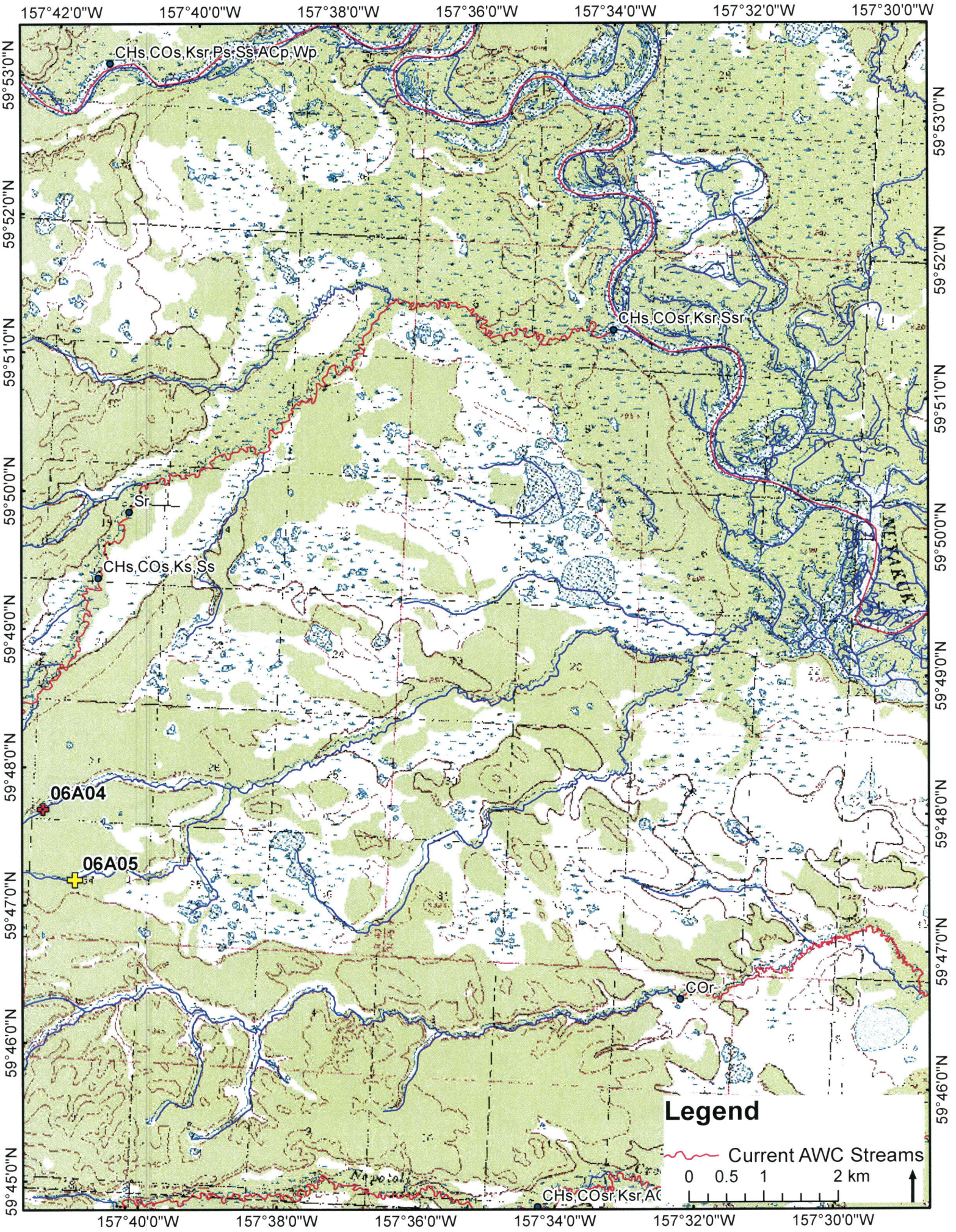
Signature of Area Biologist: _____ **Date:** _____

DSC_0230.jpg

DSC_0231.jpg

DSC_0232.jpg

DSC_0240.jpg


157°42'0"W
157°40'0"W
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157°32'0"W
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59°53'0"N
59°52'0"N
59°51'0"N
59°50'0"N
59°49'0"N
59°48'0"N
59°47'0"N
59°46'0"N
59°45'0"N
CHs,COs,Ksr,Ps,Ss,ACp,Wp
CHs,COsr,Ksr,Ssr
Sr
CHs,COs,Ks,Ss
06A04
06A05
COr
CHs,COsr,Ksr,AC
Legend
Current AWC Streams
0 0.5 1 2 km

ADF&G permit no. SF2011-259

Summary report of fish collection activity.

The area biologist was contacted on: 6:18 PM; Fri 8/12/2011

Location ID	Latitude	Longitude	Datum	Coordinate	Name of w	Date	Observer r	Fish collec	Species	Life stage	Length (mr	Length me	Weight (g)	Sex	Age	ADF&G G(	Additional	0 Disposition
FSN1106A03	59.798378	-157.73406	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	82	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A03	59.798378	-157.73406	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	sockeye sa	juvenile	53	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A03	59.798378	-157.73406	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	sockeye sa	juvenile	54	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A03	59.798378	-157.73406	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	sockeye sa	juvenile	55	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A04	59.795025	-157.69441	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	82	fork	N/A	N/A	N/A	N/A	1	measured and released
FSN1106A04	59.795025	-157.69441	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	94	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A04	59.795025	-157.69441	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile	29	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A04	59.795025	-157.69441	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile	33	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A04	59.795025	-157.69441	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile	42	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A04	59.795025	-157.69441	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile/ad	50	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A04	59.795025	-157.69441	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile/ad	66	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A05	59.78672	-157.68577	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	43	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A05	59.78672	-157.68577	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	45	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A05	59.78672	-157.68577	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	49	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A05	59.78672	-157.68577	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	50	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A05	59.78672	-157.68577	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	80	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A05	59.78672	-157.68577	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	89	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A05	59.78672	-157.68577	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	99	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A06	59.761001	-157.7102	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	90	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A06	59.761001	-157.7102	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile/ad	52	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A06	59.761001	-157.7102	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile/ad	56	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A06	59.761001	-157.7102	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile/ad	56	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A06	59.761001	-157.7102	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile/ad	58	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A06	59.761001	-157.7102	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile/ad	64	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A06	59.761001	-157.7102	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	slimy sculp	adult	75	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	41	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	42	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	42	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	43	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	43	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	44	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	44	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	45	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	45	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	45	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	45	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	47	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	48	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	51	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coho salm(	juvenile	57	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile	24	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile	31	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile	32	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile	32	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile	34	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile	34	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile	36	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile	36	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile	38	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile	41	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile	44	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile	46	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile	48	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile	48	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile/ad	51	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1106A07	59.76023	-157.70537	WGS84	Measured/	N/A	8/20/2011	Michael W	Backpack (	coastrange	juvenile/ad	54	fork	N/A	N/A	N/A	N/A	0	measured and released

Malma Consulting

2500 Susitna Drive
Anchorage, AK 99517
(907) 243-7005
mikewiedmer@acsalaska.net

September 21, 2011

J Johnson
Sport Fish Division
Research and Technical Services
Alaska Department of Fish and Game
333 Raspberry Road
Anchorage, AK 99517

Dear J:

On behalf of Tim Troll and the Nushagak–Mulchatna/Wood–Tikchik Land Trust, I submit the accompanying 21 nominations to the *Catalog of waters important for spawning, rearing, or migration of anadromous fishes – Southwestern Region*. These nominations result from helicopter-supported electrofishing sampling (8/15–20/2011) on tributaries to the Nushagak River at locations shown in Figure 1. Also accompanying the nominations is a spreadsheet listing each of the 1289 fish our field team collected, identified, and measured at the 34 locations we sampled, and an ESRI shapefile of the sample locations.

If you have any questions or comments, please let me know.

Sincerely,

Michael Wiedmer
Principal

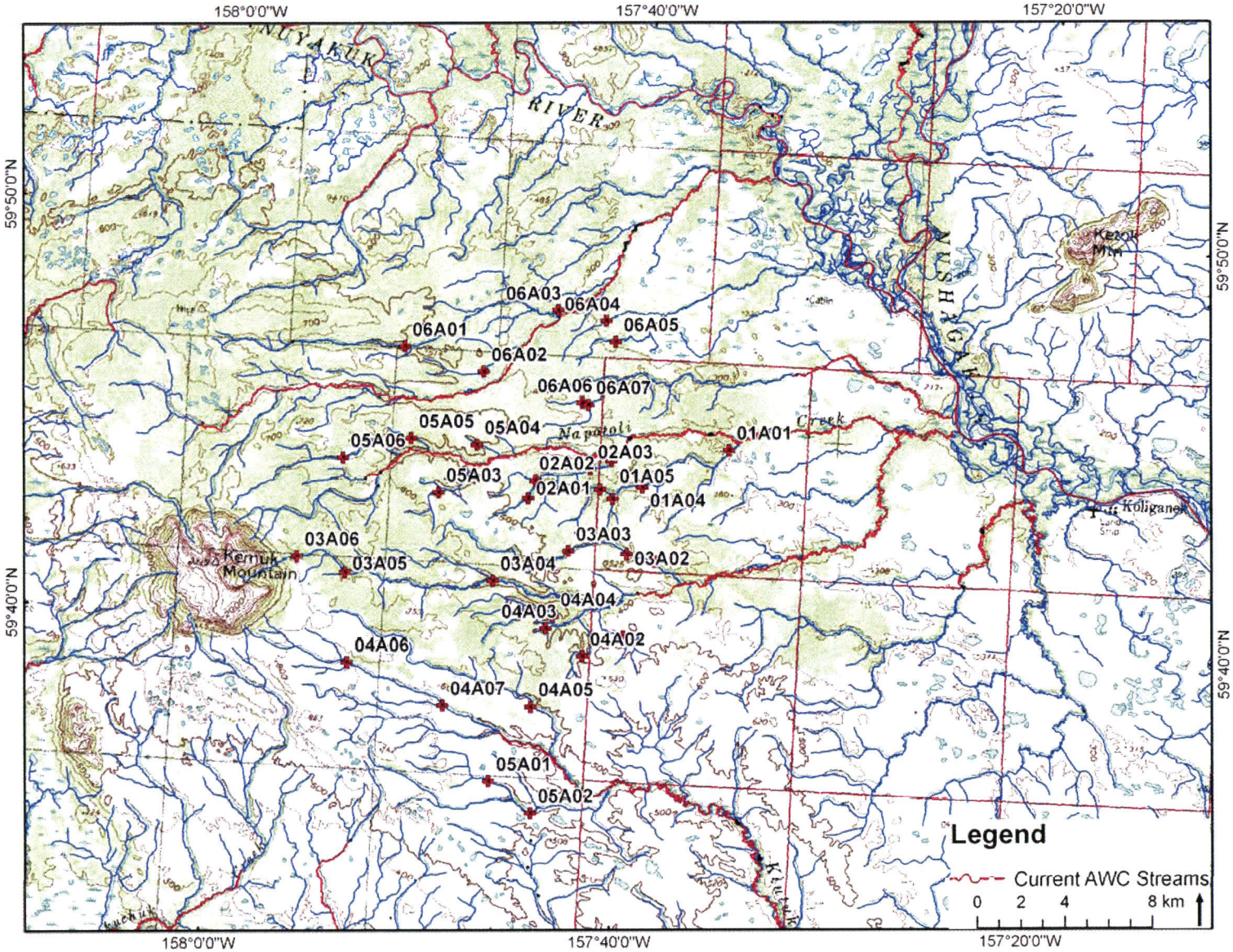
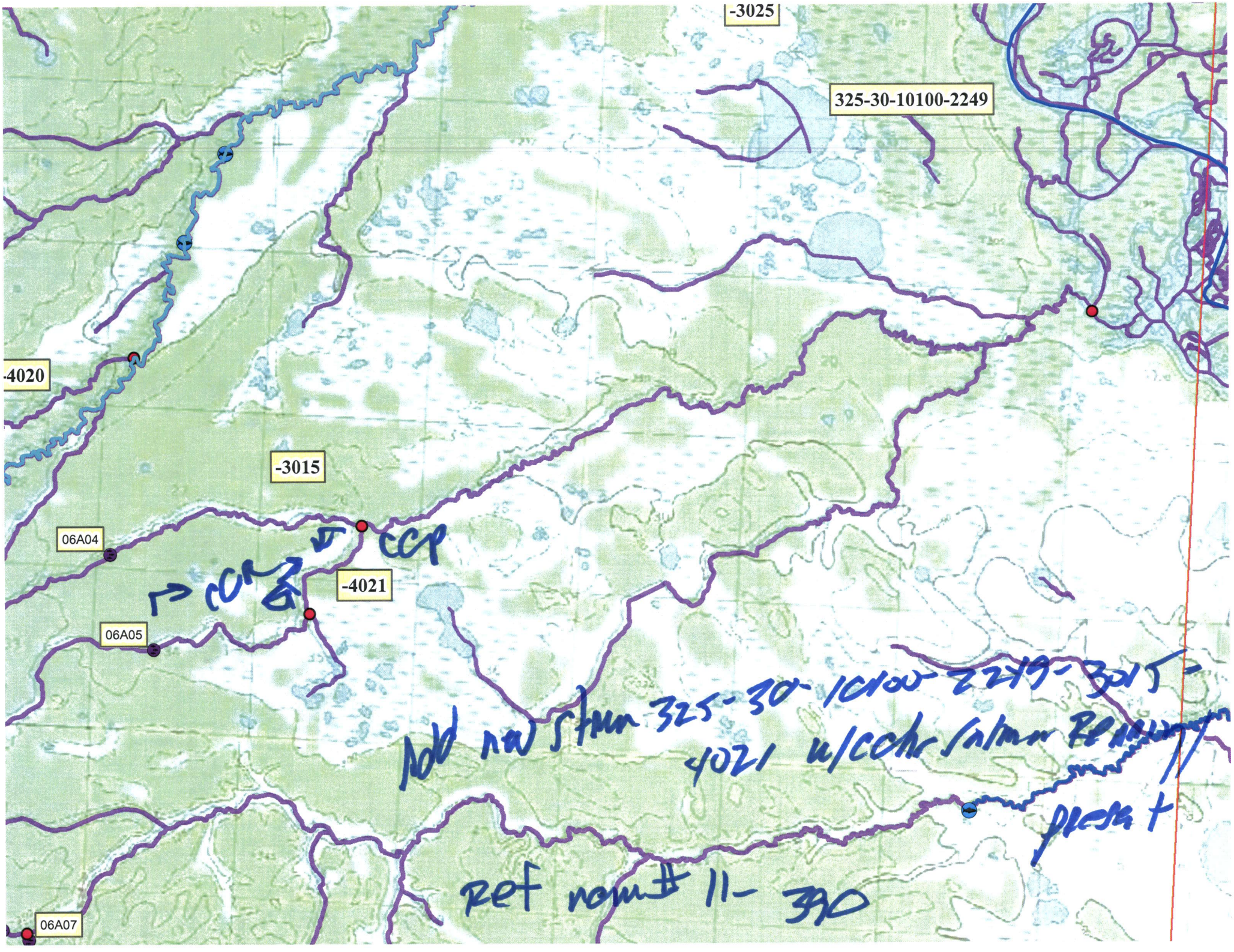


Figure 1.-Locations of sampled stream reaches in tributaries draining from Kemuk Mountain, Nushagak–Mulchatna watershed.


-3025
325-30-10100-2249
-4020
-3015
06A04
CCP
-4021
06A05
Add new station 325-30-10100-2249-3015 -
4021 w/coho salmon Re
plant
Ref room # 11-390
06A07