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

Nomination Form
Anadromous Waters Catalog

ME

Region: Southwest **USGS Quad:** Dillingham C-5

Anadromous Waters Catalog Number of Waterway: ~~N/A~~ 325-30-10100-2241-3015-4029-5003 **Status:** N/A

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

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

Nomination # 11-379		10/14/11
Revision Year: 2012	**Fisheries Scientist**	**Date**
Revision to: Atlas ____ Catalog ____ Both X	**Habitat Operations Manager**	10/14/11 **Date**
	AWC Project Biologist	9/27/11 **Date**
Revision Code: A-2, ~~A-1~~ A-1	JDG **Cartographer**	11/011 **Date**

Site Information **Station:** FSN1104A02 **Date Observed:** 8/18/2011 **Legal Desc.:** Sec 13, T. 6 S., R. 50 W., S.M. **Latitude:** 59.65755 **Longitude:** -157.69971 **Datum:** WGS84

Stream Parameters:

	Depth (m)	Width (m)
OHW	0.5	2.3
Wetted	0.2	1.8

Water Temp. (C): 6.19
Stream Stage: Medium
Dominant Substrate: Gravel

Rosgen Channel Type: E4 *Low gradient, meandering riffle/pool stream with low width/depth ratio and little deposition. Very efficient and stable. High meander width ratio.*

Field Comments: Stream drains from crest of older terminal moraine. Three channel-spanning beaver dams downstream; none upstream. Upstream limit of surface channel ~1.2 km upstream. Between that location and the sampled reach, the channel is beaded with sluggish flow. Glacial drift exposed in local cutbanks. Filamentous algae and Fontinalis sp. blanket much of substrate. Sampled reach flows through drained beaver ponds; decomposition gases rising through substrate.

Observation Information

Life History: Obligate anadromous population
Species\Lifestage: coho salmon juvenile **Samp. ID (# Fish):** A (3)

Life History: Resident
Species\Lifestage: sculpin-unspecified juvenile/adult **Samp. ID (# Fish):** A (11)
Species\Lifestage: sculpin-unspecified juvenile **Samp. ID (# Fish):** A (14)

Key to Samp. ID

Samp. ID: A **Method:** Portable Electrofisher **Electrofisher Time(s):** 526 **Efficiency:** Fair

Extend 325-30-10100-2241-3015 w/coho salmon present
Add new stream 325-30-10100-2241-3015-4029 w/coho salmon, present
Add new stream 325-30-10100-2241-3015-4029-5003 w/coho salmon REARING

Additional Comments: Rearing coho salmon found consistently at sample locations in this drainage system, including downstream at FSB0309A01, the location of the uppermost observation on the currently mapped AWC stream 325-30-10100-2241-3015. Recommend extending COr to 04A02.

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.

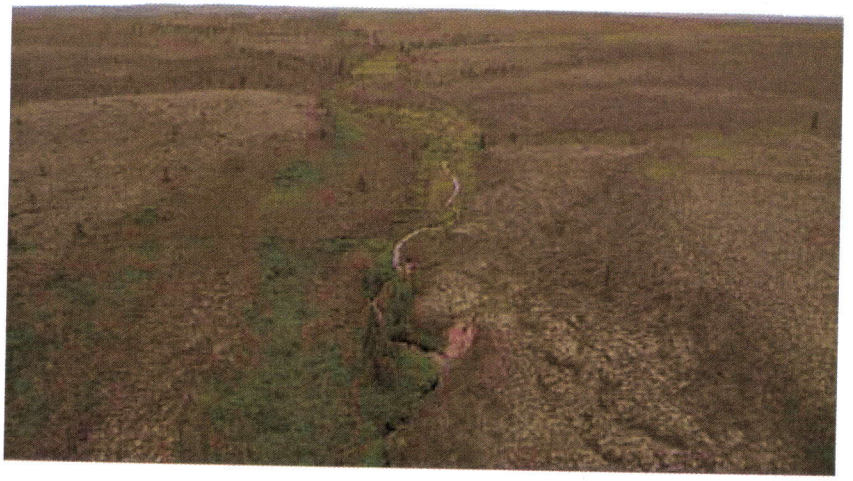
Signature of Area Biologist: _____ **Date:** _____

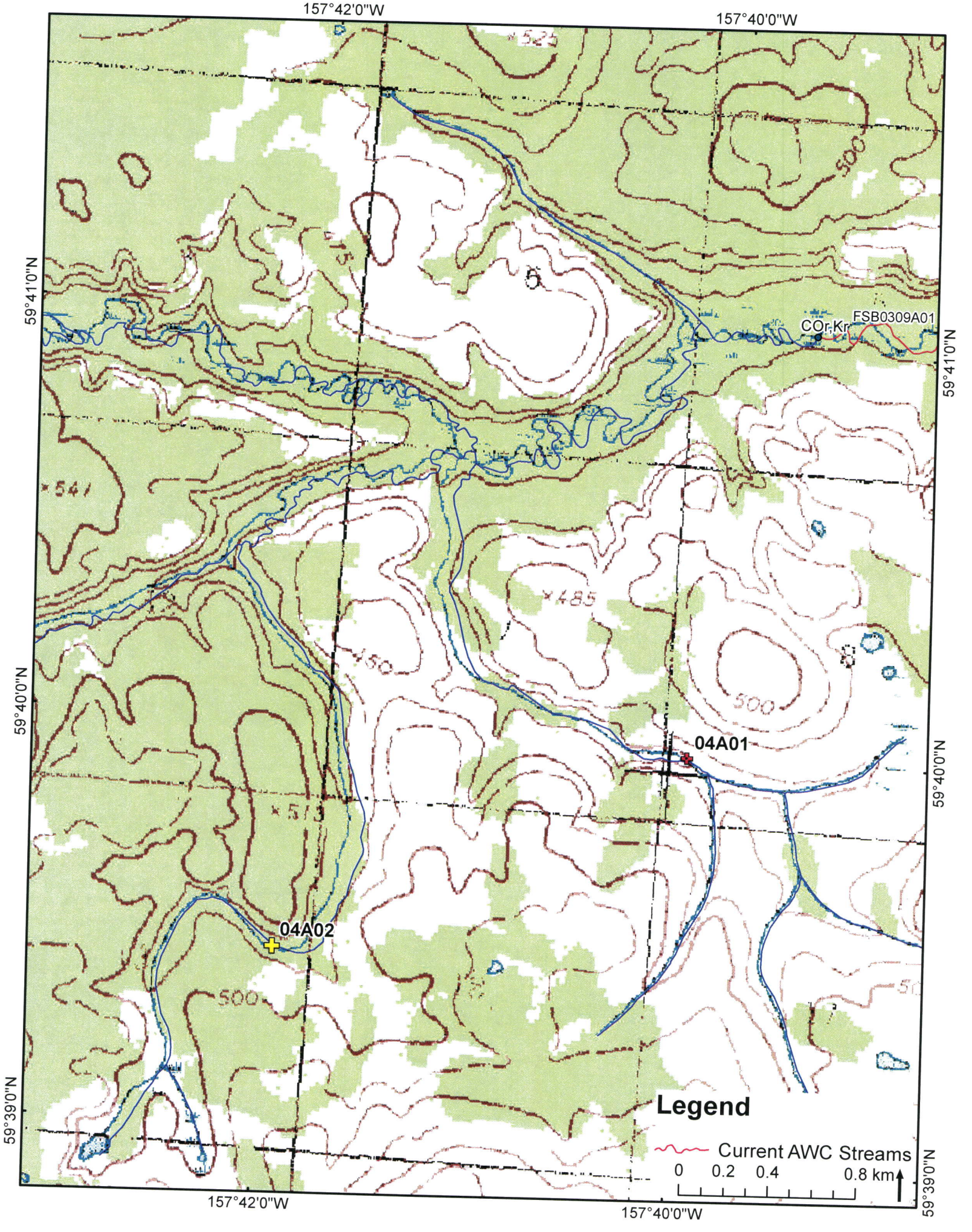
DSC_9948.jpg

DSC_9949.jpg

DSC_9950.jpg

DSC_9956.jpg




157°42'0"W
157°40'0"W
59°41'0"N
59°40'0"N
59°39'0"N
COr.Kr
FSB0309A01
04A01
04A02
Legend
Current AWC Streams
0 0.2 0.4 0.8 km

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

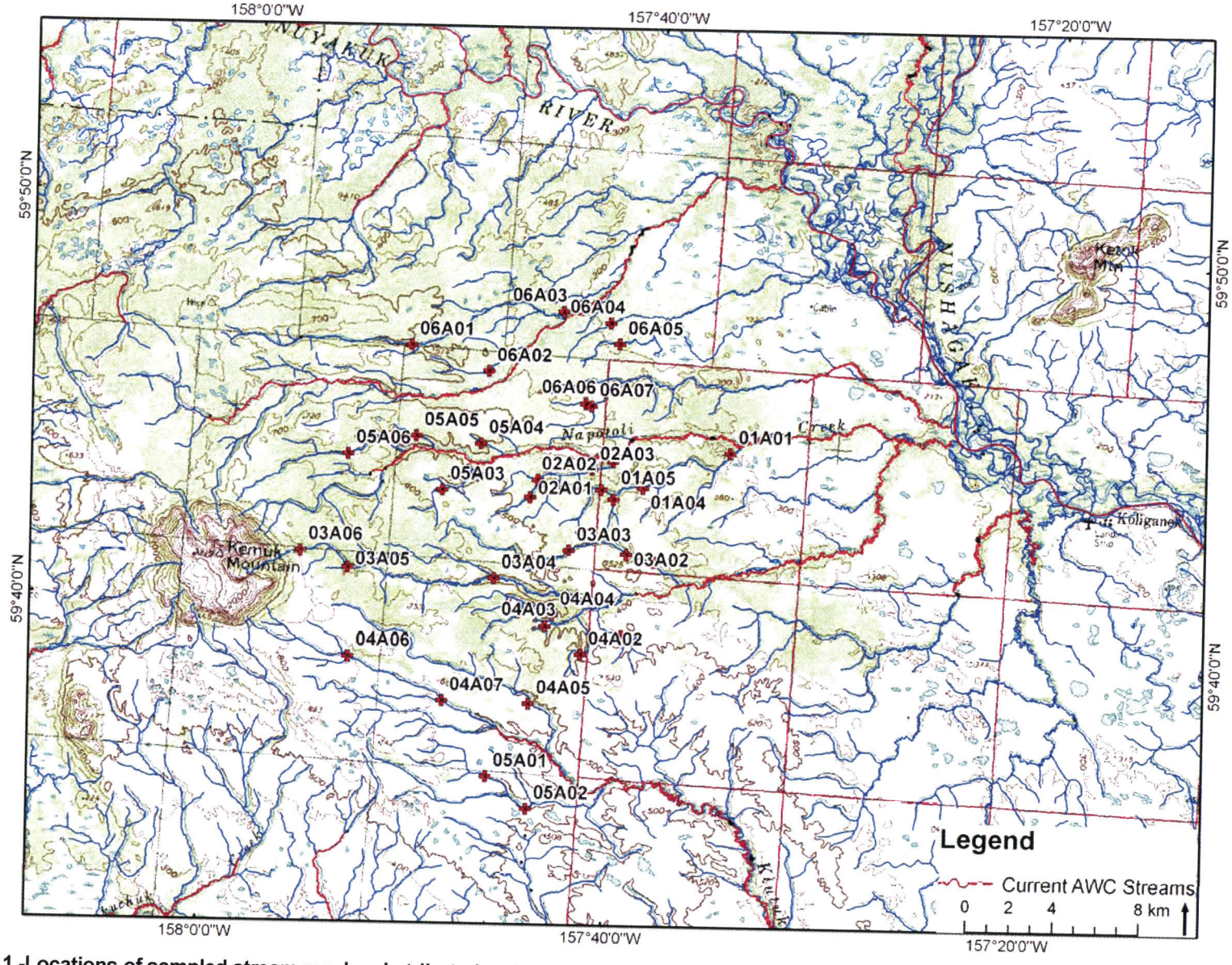


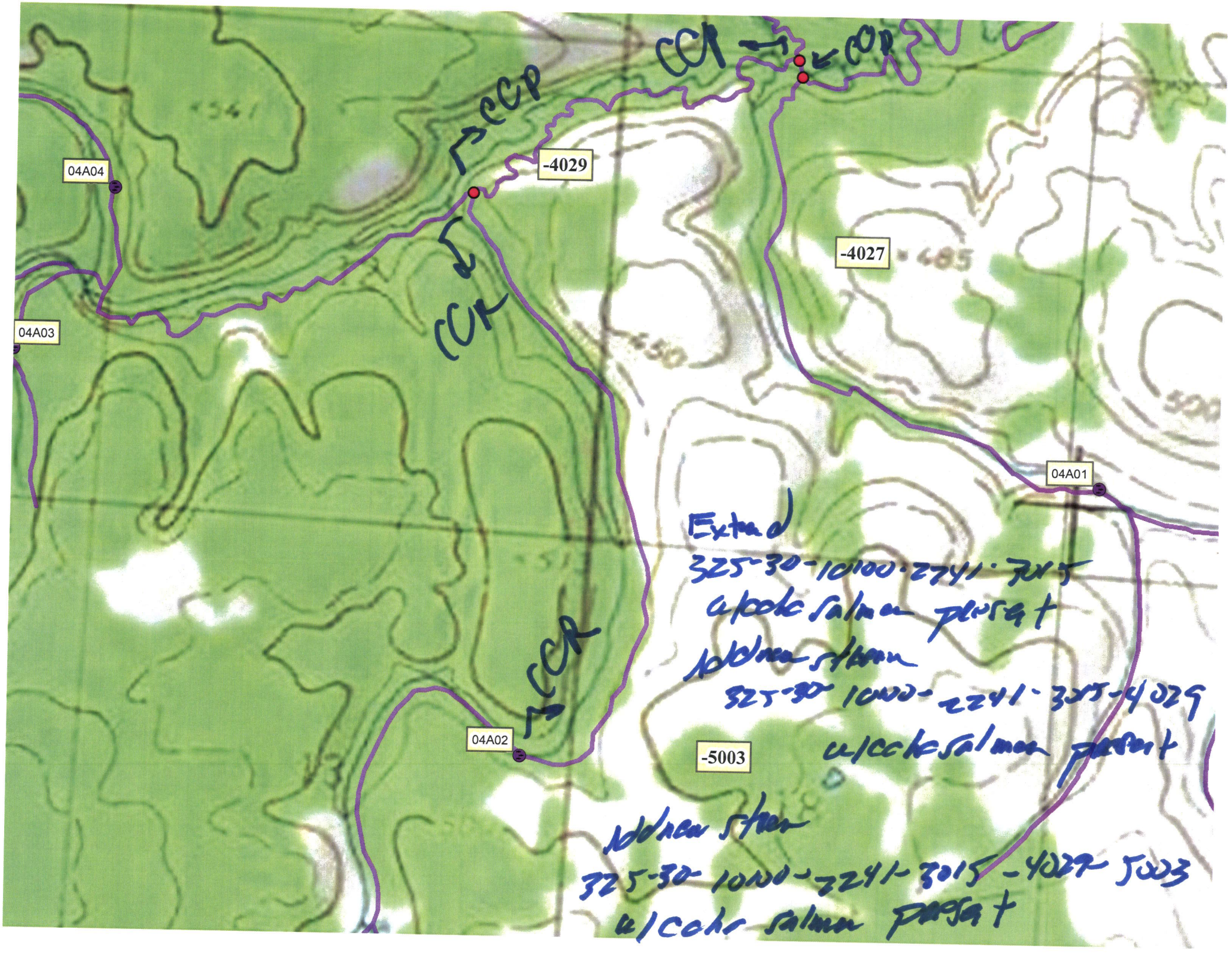
Figure 1.-Locations of sampled stream reaches in tributaries draining from Kemuk Mountain, Nushagak–Mulchatna watershed.

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
FSN1104A01	59.666481	-157.66753	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	59	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A01	59.666481	-157.66753	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	60	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A01	59.666481	-157.66753	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	62	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coho salm(	juvenile	83	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coho salm(	juvenile	95	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coho salm(	juvenile	96	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	14	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	17	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	30	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	39	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	40	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	40	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	40	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	41	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	42	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	42	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	43	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	43	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	45	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	46	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	51	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	51	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	54	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	55	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	56	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	57	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	59	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	59	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	61	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A02	59.657545	-157.69971	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	62	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	64	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	Dolly Vard(	adult	132	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	Dolly Vard(	adult	135	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	24	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	32	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	34	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	34	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	34	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	35	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	36	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	37	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	37	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	39	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	39	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	40	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	41	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile	42	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	51	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	58	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	63	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	65	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	65	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A03	59.668247	-157.73061	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	juvenile/ad	66	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A04	59.673108	-157.72544	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	coastrange	adult	74	fork	N/A	N/A	N/A	N/A	0	measured and released
FSN1104A04	59.673108	-157.72544	WGS84	Measured/	N/A	8/18/2011	Michael W	Backpack (	ninespine s	adult	65	fork	N/A	N/A	N/A	N/A	0	measured and released
						8/18/2011	Michael W	Backpack (	coho salm(	juvenile	84	fork	N/A	N/A	N/A	N/A	0	measured and released


CCR
CCR
CCR
CCR
CCR
04A04
04A03
04A02
04A01
-4029
-4027
-5003
Extend
325-30-10100-2241-3015
w/coho salmon present
Addition stream
325-30-1000-2241-325-4029
w/coho salmon present
Addition stream
325-30-1000-2241-3015-4027-5003
w/coho salmon present