



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

Nomination Form
Anadromous Waters Catalog

V V M NW E

Region Southwest USGS Quad(s) Afognak A-2
 Anadromous Waters Catalog Number of Waterway 252-33-10010-2006-3007
 Name of Waterway Unnamed Tributary Cold Creek USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>140001</u>	<u>[Signature]</u> Fisheries Scientist	<u>4/25/14</u> Date
Revision Year: <u>2015</u>	<u>[Signature]</u> Habitat Operations Manager	<u>4/25/14</u> Date
Revision to: Atlas _____ Catalog _____ Both <u>X</u>	<u>[Signature]</u> AWC Project Biologist	<u>3/18/14</u> Date
Revision Code: <u>A-1, B-2, B-6</u>	<u>[Signature]</u> Cartographer	<u>5/20/14</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Juvenile Coho Salmon (6)	10/15/2013		X		<input checked="" type="checkbox"/>
Adult Coho Salmon (8)	10/15/2013			X	<input checked="" type="checkbox"/>
Dolly Varden	10/15/2013			X	<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

During an joint AKSSF stream survey, I observed and captured coho salmon (Figures 1 and 2). See the October 14-16, 2013 trip report.

Extend stream w/ coho salmon rearing and/or present

Name of Observer (please print): Will Frost, Habitat Biologist Date: 10/31/2013
 Signature: [Signature]
 Agency: ADF&G, Division of Habitat
 Address: 333 Raspberry Road
Anchorage, AK 99518

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 05/08
 Name of Area Biologist (please print): _____

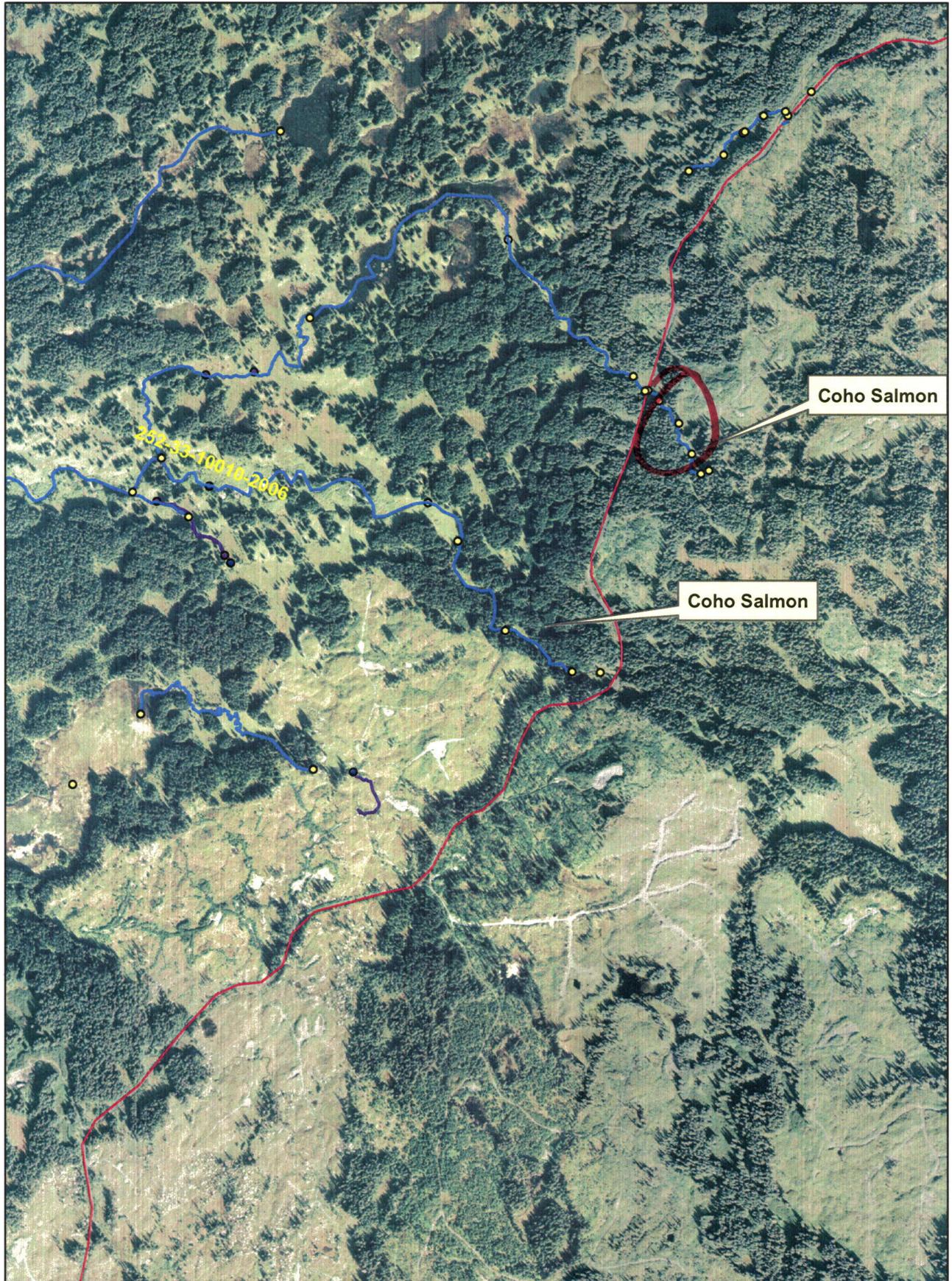


Figure 1

0 0.05 0.1 0.2 0.3 0.4 Miles

ADF&G

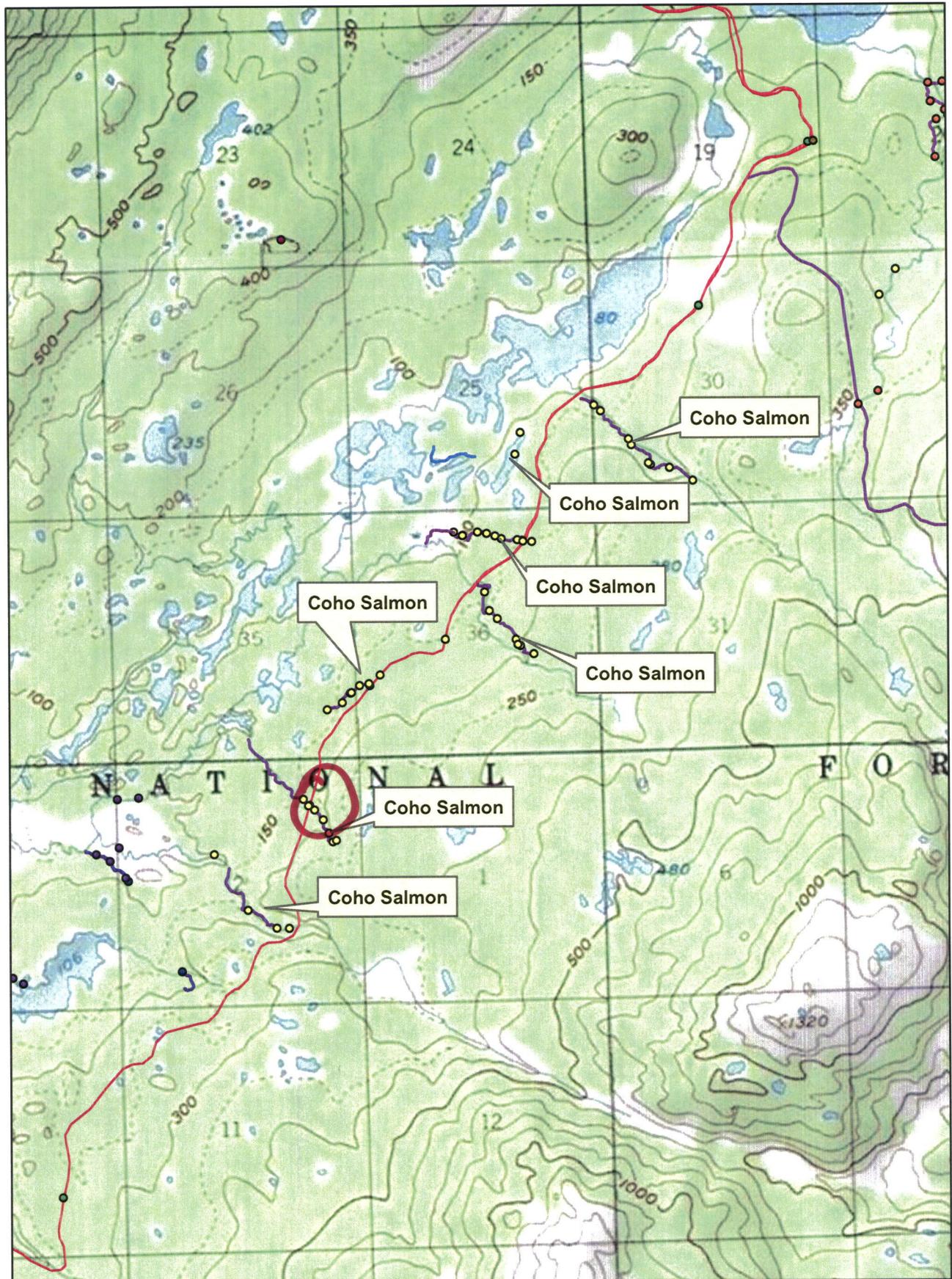


Figure 2

ADF&G



MEMORANDUM

State of Alaska

Department of Fish and Game
Division of Habitat

TO: Michael Daigneault
Central Region
Regional Supervisor

DATE: November 4, 2013

PHONE NO: 267-2813

FROM: Will Frost *WF*
Habitat Biologist

SUBJECT: AKSSF AWC Survey: Afognak Island
October 2013

On October 14-16, 2013, I joined Keith Coulter, Koncor, Greg Harris, Afognak Native Corporation (ANC), and Jeanette Alas, Alaska Department of Fish and Game (ADF&G) on Afognak Island for the purpose of sampling waters in the area of proposed harvest activities to document the presence of anadromous fish. The information gathered will be used to submit official nominations for inclusion in the Anadromous Waters Catalog and its companion Atlas. Inclusion in the Anadromous Waters Catalog will conserve salmon habitat by providing the 66-foot riparian retention area protection required under the Forest Resources and Practices Act (FRPA). A water body listed in the Anadromous Waters Catalog is also afforded additional protection under State law at AS 16.05.871. The weather conditions were partly cloudy becoming rain and fog.

On the afternoon of October 14, Ms. Alas and I drove the 1100 Road near mile post (MP) 8.5 to an unnamed lake that flows to the Portage Creek (Stream No. 251-82-10050). The lake is on land managed by Koncor. We set three baited minnow traps in the lake. The traps soaked about 19 hours. The traps captured 2 juvenile coho salmon (90-115 mm fork length (FL)) and 6 Dolly Varden (60-155 mm FL). The unnamed lake will be nominated to the Anadromous Waters Catalog.

We walked to an unnamed tributary to Stream No. 251-82-10050-2039 on the 1100 Road near MP 8.2. The stream is on land managed by ANC. We used an electrofisher to sample the stream (Figure 1). We captured 8 juvenile coho salmon (70-90 mm FL) and 7 Dolly Varden (60-90 mm FL). We observed 2 adult coho salmon spawning and 6 adult coho were present (Figure 2). An additional 10 adult coho salmon carcasses were observed throughout the reach. We ended our survey about 200 linear feet above the 1100 Road, below a 5-foot high beaver dam (Figure 3). The unnamed stream will be nominated to the Anadromous Waters Catalog.

We walked up Stream No. 251-82-10050-2039 about 900 linear feet above the 1100 Road to the upper extent of the specified reach and observed 10 adult coho salmon spawning (Figure 4). We walked an additional 1,200 linear feet above the specified reach and observed 7 adult coho salmon. We ended our survey at a series of 3-to 4-foot high cascades.

On the morning of October 15, Ms. Alas and I returned to Stream No. 251-82-10050-2039. We sampled above the cascades about 900 linear feet and captured 2 juvenile coho salmon (65-85 mm FL) below a 10-foot high barrier (Figure 5). We sampled about 400 linear feet above the barrier and captured 6 Dolly Varden. No length measurements were taken for the Dolly Varden. The adult and juvenile coho salmon and additional reach will be nominated for update to the Anadromous Waters Catalog.

We drove to Stream No. 252-33-10010-2006-3007 located on the 1100 Road near MP 7.1. The stream is located on land managed by ANC. We sampled about 1,300 linear feet above the road to an 8-foot high barrier (Figure 6). We capture 6 juvenile coho salmon (60-75 mm FL) (Figure 7). Eight live adult coho salmon were present and 6 adult coho salmon carcasses were observed. The adult and juvenile coho salmon and additional reach will be nominated for update to the Anadromous Waters Catalog.

We drove to Stream No. 252-33-10010-2006 located on the 1100 Road near MP 6.5. The stream is on land managed by ANC. We sampled above the specified reach about 500 linear feet below the road and located a 15-foot high barrier (Figure 8). We captured 10 Dolly Varden above the barrier. No length measurements were taken for the Dolly Varden. We walked downstream below the barrier about 2,000 linear feet to the upper extent of the specified reach (Figure 9). We observed 6 adult coho salmon. The additional stream reach will be nominated for update to the Anadromous Waters Catalog.

On the morning of October 16, Ms. Alas and I drove to the 1100 Road near mile post 7.5 on land managed by ANC. We set three baited minnow traps in an unnamed tributary that may flow into Stream No. 252-33-10010-2006-3007 or Stream No. 251-82-10050. The stream is located near the watershed divide and because of limited time, we were unable to determine the watershed that the stream is located in. The traps soaked about 4 hours and captured 23 juvenile coho salmon (55-110 mm FL). The stream will be fully mapped in the spring of 2014 and nominated to the Anadromous Waters Catalog.

We drove to Ursus Creek (Stream No. 251-82-10050-2021) on the 500 Road near MP 1.1. The stream is on land managed by Koncor. We sampled the stream located within the specified reach about 1 mile above a barrier consisting of five, 5-8-foot high cascades that were located during my September 2013 site visit. The water clarity was poor because of turbid water runoff from the 500 Road. Because of the poor water clarity, we suspended our sampling effort (Figure 10). The reach above the cascades will be re-surveyed in the summer of 2014 to determine if the cascades are a barrier to fish passage. If the cascades are a barrier to fish passage, the specified reach will be reduced to the location of the cascades. On October 22, 2013, the Division of Forestry, Department of Environmental Conservation, Koncor, and ADF&G met on site to discuss recommendations to correct the turbid water runoff into Ursus Creek.

We drove to Stream No. 251-82-10050-2033 located on the 1100 Road near MP 9.5 on land managed by Koncor. We walked from the road upstream about 0.6 miles to the end of the specified reach. I used a hand held Garmin GPS to map the correct location of the stream. We observed about 9 adult coho salmon carcasses and recent evidence of spawning because of the presence of eggs in the stream channel (Figures 11 and 12). The correct stream location and the adult coho salmon will be updated to the Anadromous Waters Catalog.

The ADF&G is currently planning on returning to Afognak for a sampling effort in April 2014.

cc: S. Schrof, ADF&G
L. Van Dale, ADF&G
N. Svoboda, ADF&G
D. Tracy, ADF&G
T. Polum, ADF&G
A. Ott, ADF&G
C. Curtis, ADF&G
K. Hanley, ADEC
J. Winters, ADOF
B. Cassidy, KIB
B. Scholze, KIB
K. Coulter, Koncor
G. Harris, ANC



Figure 1. Jeanette Alas, Habitat Biologist sampling an unnamed tributary to Stream No. 251-82-10050-2039.

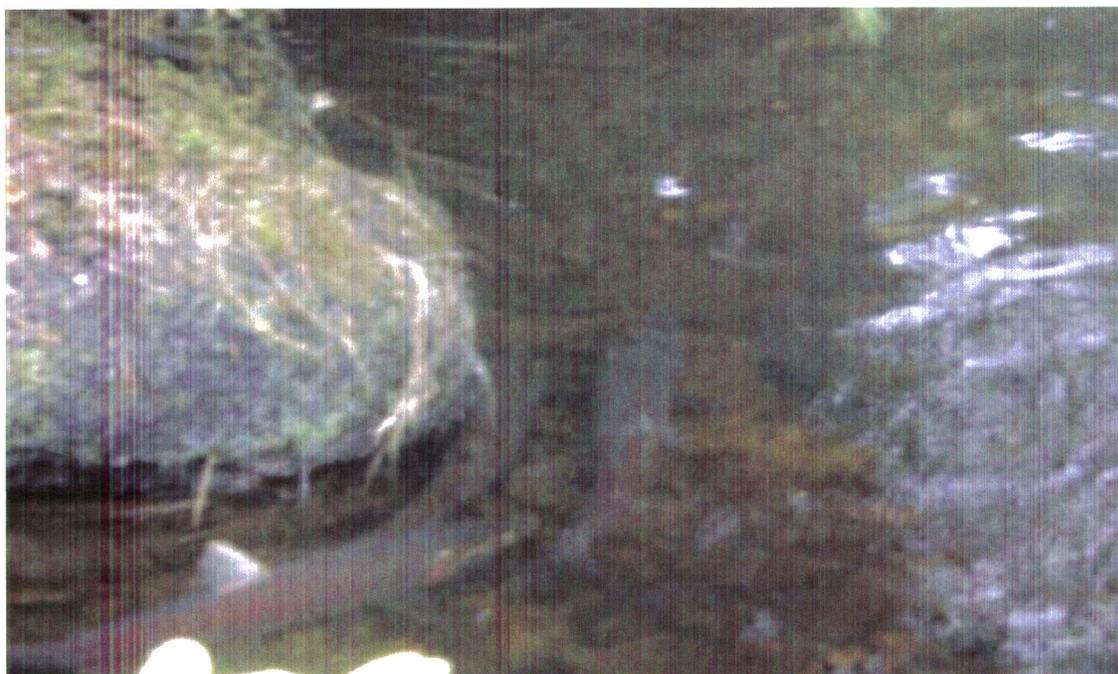


Figure 2. Adult coho salmon in an unnamed tributary to Stream No. 251-82-10050-2039.



Figure 3. Sampling above the 1100 Road in an unnamed tributary to Stream No. 251-82-10050-2039.



Figure 4. Adult coho salmon in Stream No. 251-82-10050-2039.



Figure 5. Will Frost, Habitat Biologist below barrier in Stream No. 251-82-10050-2039.



Figure 6. Barrier in Stream No. 252-33-10010-2006-3007.

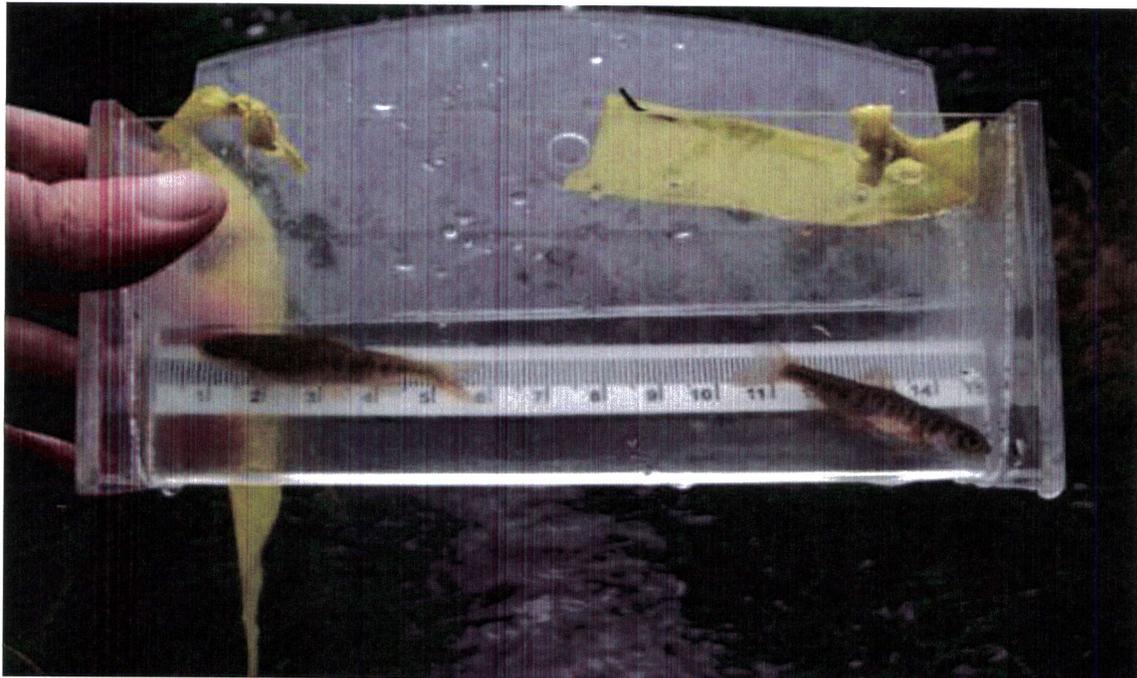


Figure 7. Juvenile coho salmon captured in Stream No. 252-33-10010-2006-3007.



Figure 8. Barrier in Stream No. 252-33-10010-2006.



Figure 9. Ms. Alas observing adult coho salmon in Stream No. 252-33-10010-2006.

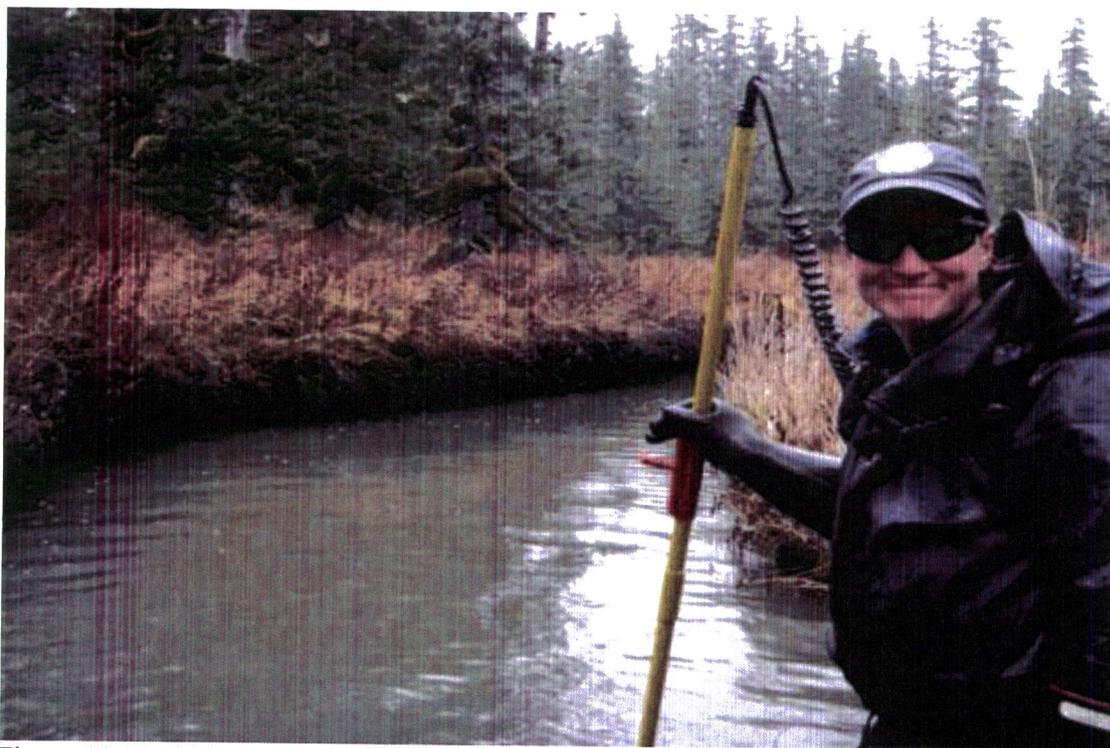


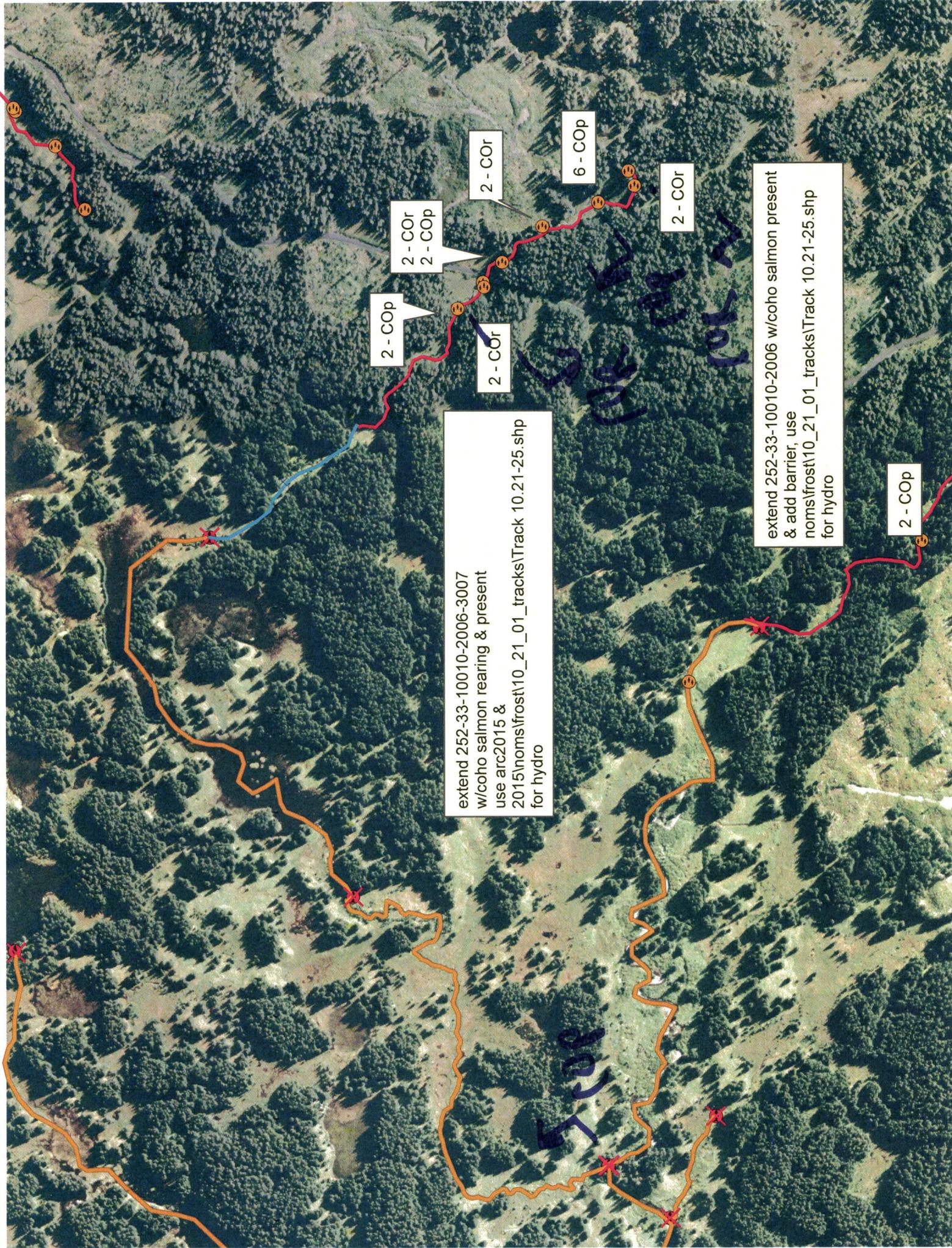
Figure 10. Turbid water in Ursus Creek.



Figure 11. Adult coho salmon carcasses in Stream No. 251-82-10050-2033.



Figure 12. Coho salmon eggs in Stream No. 251-82-10050-2033.



extend 252-33-10010-2006-3007
w/coho salmon rearing & present
use arc2015 &
2015\noms\frost\10_21_01_tracks\Track 10.21-25.shp
for hydro

extend 252-33-10010-2006 w/coho salmon present
& add barrier, use
noms\frost\10_21_01_tracks\Track 10.21-25.shp
for hydro

2 - COP

2 - COP

2 - COP

6 - COP

2 - COP

2 - COP

5-COP

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