



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

Nomination Form
Anadromous Waters Catalog

Region Southwest USGS Quad(s) Afognak A-2 *MJ*
 Anadromous Waters Catalog Number of Waterway 252-33-10014-2090-3020 *NW*
 Name of Waterway Unnamed Tributary Cascade Creek USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>140313</u>	<u>James J. Harbrouck</u> Fisheries Scientist	<u>9/3/2014</u> Date
Revision Year: <u>2015</u>	<u>Michael J. A.</u> Habitat Operations Manager	<u>9/3/14</u> Date
Revision to: Atlas _____ Catalog _____ Both <u>X</u>	<u>JCF</u> AWC Project Biologist	<u>9/2/14</u> Date
Revision Code: <u>A-2</u>	<u>TQ</u> Cartographer	<u>9/5/2014</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho Salmon (B)	8/19/2014		X		<input checked="" type="checkbox"/>
Dolly Varden	8/19/2014			X	<input 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

During joint ANC sampling, I used an electrofisher in the area of proposed timber harvest activities to document the presence of anadromous fish (Figure 1, IDENT 273). See the August 18-20,2014 Trip Report.

Add new stream w/ coho salmon REARING

ref no # 14-312

Name of Observer (please print): Will Frost, Habitat Biologist
 Signature: [Signature] Date: 8/24/2014
 Agency: ADF&G, Division of Habitat
 Address: 333 Raspberry Road
Anchorage, AK 99518

ALASKA DEPT. OF FISH & GAME

AUG 27 2014

This certifies that in my best professional judgment and belief the above information is evidence that this water body 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): _____

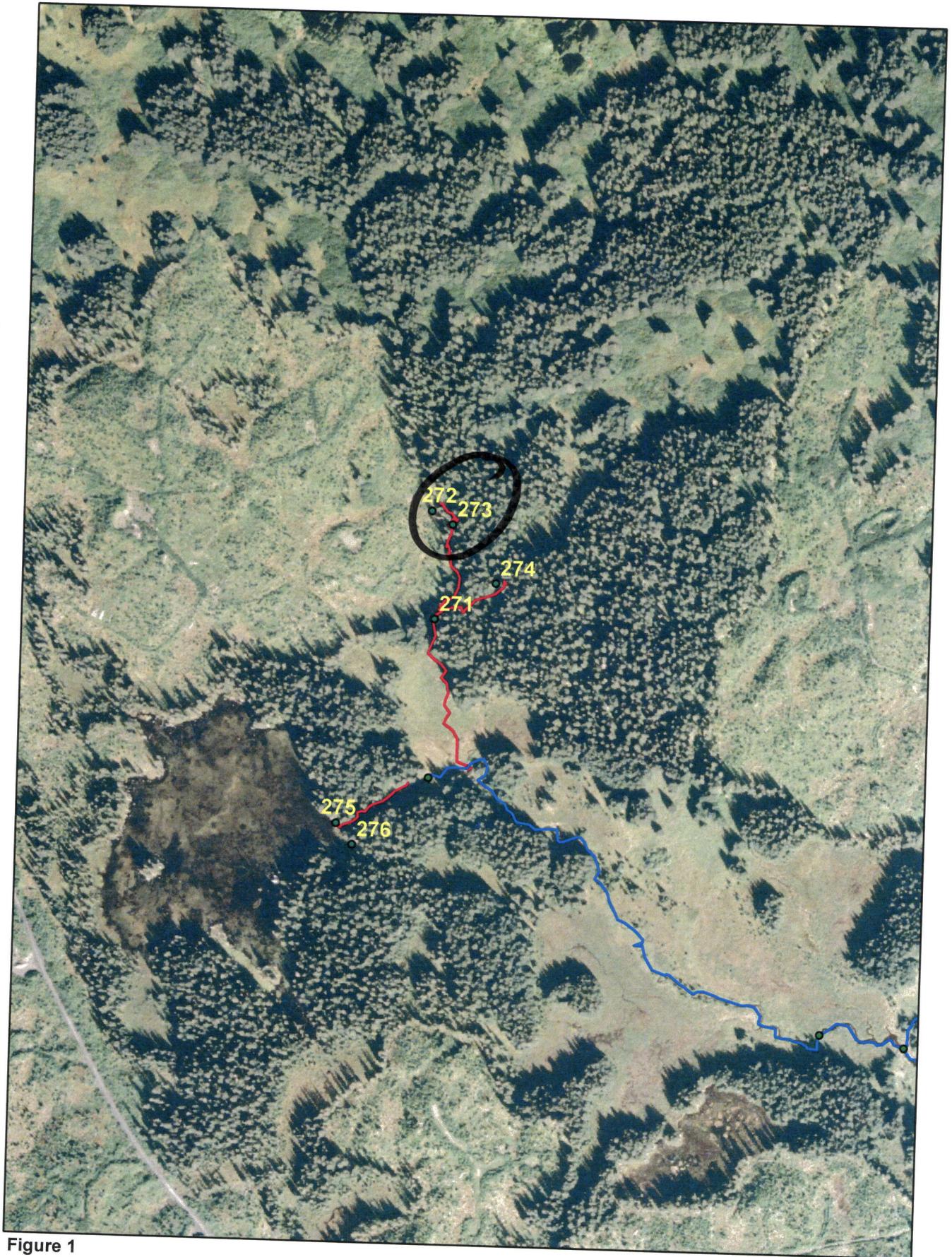


Figure 1

0 55 110 220 330 440 Meters

ADF&G

MEMORANDUM

State of Alaska

Department of Fish and Game
Division of Habitat

TO: Michael Daigneault
Central Region
Regional Supervisor

DATE: August 26, 2014

PHONE NO: 267-2813

FROM: Will Frost *WF*
Habitat Biologist

SUBJECT: AKSSF AWC Survey: Afognak Island
August 2014

On August 18 through 20, 2014, I joined Sarah Wilber, Alaska Department of Fish and Game 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 clear and warm.

On the afternoon of August 18, Ms. Wilber and I drove the 720 Road to mile post (MP) 4.5. We set two baited minnow traps in an unnamed lake that flows into Stream No. 252-33-10010-2007 and Stream No. 252-33-10010-2006-3001. The lake and streams are located on land managed by ANC. Because of beaver dams, the lake level has been elevated causing the water to flow into the two streams. We determined the dominant flow drains to Stream No. 252-33-10010-2006-3001. The traps soaked about 3 hours. No fish were captured or observed in the lake (Figure 1). We walked down an unnamed stream from the dominant lake outlet and set one minnow trap below a 3-foot high barrier. The trap soaked about 30 minutes. The trap captured 3 juvenile coho salmon (55 - 90 mm fork length (FL)). We walked downstream 489 meters to the confluence with Stream No. 252-33-10010-2006-3001. We used a Garmin GPS to map the stream location. The unnamed stream will be nominated to the Anadromous Waters Catalog.

We walked back upstream to the lake and set two minnow traps in an unnamed stream that flows from the lake. The stream flows to Stream No. 252-33-10010-2007. On the morning of August 19, we pulled the traps. The traps soaked about 16 hours. The traps captured 14 juvenile coho salmon (45-95 mm FL). We used an electrofisher to sample the stream to the headwater lake. We sampled an additional 96 meters of the stream ending at a beaver dam below the lake that was sampled on August 18. We captured 2 juvenile coho salmon (55 and 70 mm FL) below the beaver dam. We located an additional tributary to the previously sampled stream and sampled a 69 meter reach ending at an additional beaver dam located on the previously sampled lake. We captured 2 juvenile coho salmon (55 and 65 mm FL). The unnamed streams will be nominated to the Anadromous Waters Catalog.

We walked to Stream No. 252-33-10010-2007 and sampled upstream of the 720 Road for 917 meters beyond the end of the specified reach (Figure 2). We captured 9 juvenile coho salmon (55-95 mm FL) and 5 Dolly Varden (45-275 mm FL) (Figure 3). Near the end of the sampled reach we observed about 50 large Dolly Varden (about 200-350 mm FL). The additional reach will be nominated for update to the Anadromous Waters Catalog.

We drove the 720 Road to MP 5.2 and walked up Stream No. 252-33-10014. We located an unnamed tributary near the upper extent of the specified reach and sampled 442 meters of the stream. We captured 8 juvenile coho salmon (55-70 mm FL) and 8 Dolly Varden (60-75 mm FL). We located an additional tributary to the previously sampled stream and sampled 109 meters of the stream. We captured 4 juvenile coho salmon (50-65 mm FL). The unnamed streams will be nominated to the Anadromous Waters Catalog.

We walked to the upper extent of the specified reach of Stream No. 252-33-10014 and sampled an additional 110 meters ending at a 6-foot high beaver dam located at the outlet of a lake (Figure 4). We captured 3 juvenile coho salmon (50-60 mm FL) below the beaver dam. The additional reach will be nominated for update to the Anadromous Waters Catalog.

On the morning of August 20, we drove the 920 Road to Stream No. 252-32-10040. The stream is on land managed by Koncor. We walked upstream from the 920 Road and sampled about 300 meters of an unnamed tributary. We captured about 20 Dolly Varden. No length measurements were taken for the Dolly Varden. The unnamed tributary was sampled in July 2013. No coho salmon were captured during the July 2013 effort. We walked downstream and located a 5-foot high beaver dam. We sampled below the beaver dam and captured 3 juvenile coho salmon (60-80 mm FL). The beaver dam may be a barrier to fish passage (Figure 5). I used a Garmin GPS to correct 917 meters of the stream location from the beaver dam downstream to the 920 Road. The correct stream location and presence of coho salmon will be nominated for update to the Anadromous Waters Catalog.

We drove to the 900 Road and sampled about 80 meters of Stream No. 252-32-10008 (Figure 6). The stream is specified for pink salmon. We captured about 75 Dolly Varden. No length measurements were taken for the Dolly Varden. No coho salmon were captured or observed.

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

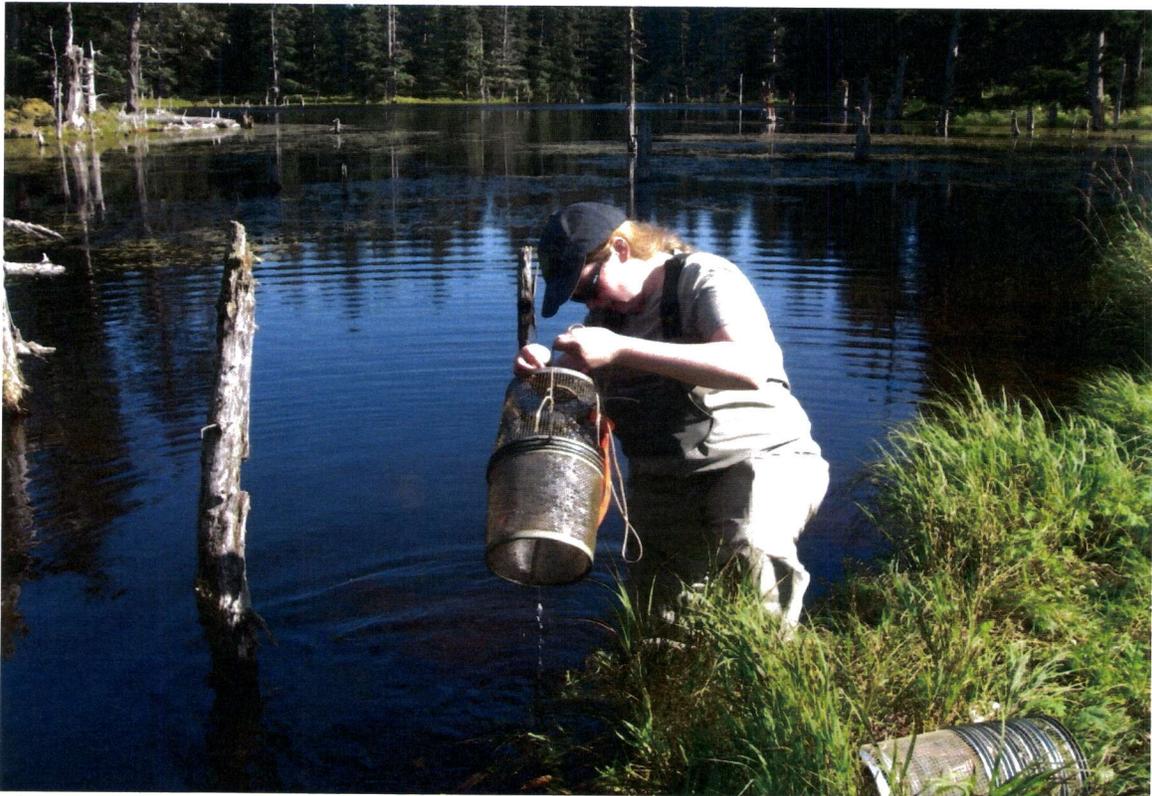


Figure 1. Ms. Wilber removing a minnow trap from the unnamed lake near the 720 Road MP 4.5.



Figure 2. Ms. Wilber sampling above the specified reach of Stream No. 252-33-10010-2007.



Figure 3. Coho salmon captured above the specified reach of Stream No. 252-33-10010-2007.



Figure 4. Lake above the specified reach of Stream No. 252-33-10014.

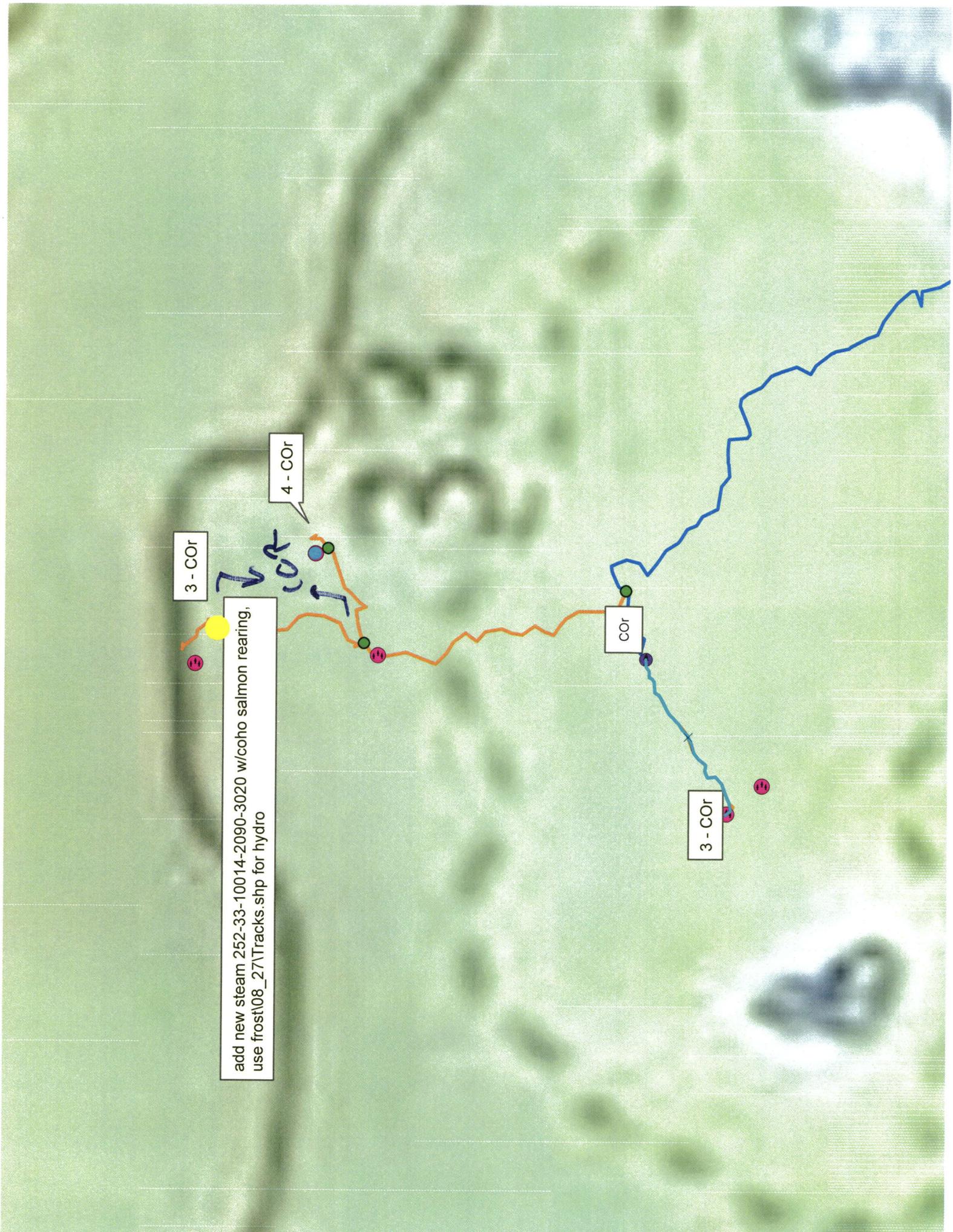


Figure 5. Beaver dam on Stream No. 252-32-10040.



Figure 6. Mr. Frost sampling Stream No. 252-32-10008.

cc: S. Schrof, ADF&G
N. Svoboda, ADF&G
D. Tracy, 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
N. Lepschat, TransPac
D. Pluard, Evergreen Timber



3 - COr

4 - COr

COr

3 - COr

add new stream 252-33-10014-2090-3020 w/coho salmon rearing,
use frost\08_27\Tracks.shp for hydro