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, A-2 NW

Anadromous Waters Catalog Number of Waterway: 251-82-10050-2042-~~3006~~

Name of Waterway: Unnamed Tributary ☐ USGS Name ☑ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination # 140270	James J Hasbrouck	Fisheries Scientist	9/3/2014 Date
Revision Year: 2015		Habitat Operations Manager	9/3/14 Date
Revision to: Atlas ____ Catalog ____ Both X		AWC Project Biologist	8/6/14 Date
Revision Code: A-1		Cartographer	9/10/14 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho Salmon (10)	7/31/2014		X		☑
Steelhead Trout (3)	7/31/2014		X		☑
Dolly Varden	7/31/2014			X	☐
					☐
					☐

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 captured juvenile coho salmon and Steelhead Trout in the unnamed stream (Figure 1, Ident 224 and 225). See the June 14-16, 2014 trip report.

Extend stream w/ coho salmon rearing

Name of Observer (please print): Will Frost, Habitat Biologist

Signature:

Agency: ADF&G, Division of Habitat

Address: 333 Raspberry Road

Anchorage, AK 99518

ALASKA DEPT. OF FISH & GAME
Date: 8/5/2014
AUG 0 5 2014

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: _____

Name of Area Biologist (please print):

Revision 05/08

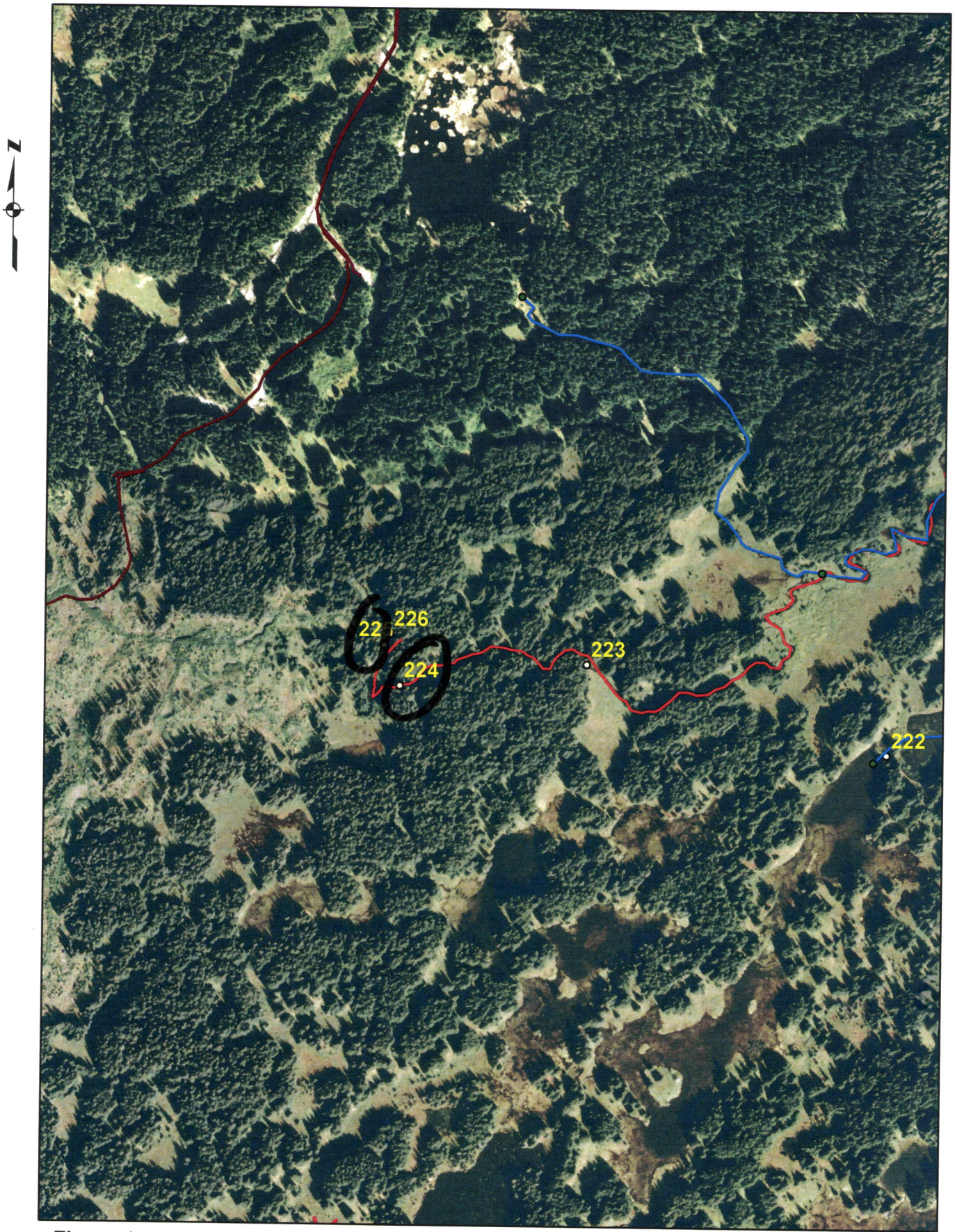


Figure 1

ADF&G

MEMORANDUM

State of Alaska
Department of Fish and Game
Division of Habitat

TO: Michael Daigneault
Central Region
Regional Supervisor

DATE: August 5, 2014

PHONE NO: 267-2813

FROM: Will Frost WF
Habitat Biologist

SUBJECT: AKSSF AWC Survey: Afognak Island
July 2014

On July 30 through August 1, 2014, I joined Sara Ashcroft, Alaska Department of Fish and Game (ADF&G) and Butch McGavran, Afognak Native Corporation (ANC) 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 July 30, Ms. Ashcroft and I drove the 1100 Road to mile post (MP) 7.5. We used an electrofisher to sample an unnamed stream that flows into Stream No. 251-82-10050-2039. The stream is located on land managed by ANC. We sampled above the 1100 Road about 160 meters to a beaver dam located on an unnamed lake (Figure 1). A perched culvert was recently removed from the stream on the 1100 Road and a log bridge was installed in the same location. We captured 2 juvenile steelhead trout (45 and 60 mm fork length (FL)) and 1 juvenile coho salmon (95 mm FL) (Figures 2 and 3). Additionally, we captured 9 Dolly Varden (55-125 mm FL). The unnamed stream above the 1100 Road will be nominated to the Anadromous Waters Catalog.

We drove the 1100 Road to MP 8.1. We sampled an unnamed stream that flows into Stream No. 251-82-10050-2039. The stream is located on land managed by ANC. We sampled above the 1100 Road about 100 meters (Figure 4). A perched culvert was recently removed from the stream on the1100 Road and a log bridge was installed in the same location. We captured 3 juvenile coho salmon (55-60 mm FL) below the road and 2 juvenile coho salmon (65 and 70 mm FL) above the road. The unnamed stream above the 1100 Road will be nominated to the Anadromous Waters Catalog.

On the morning of July 31, Ms. Ashcroft, Mr. McGavran, and I drove the 1100 Road to MP 7.5 and walked about 1 kilometer to an unnamed lake located above the specified reach of Portage Creek (Stream No. 251-82-10050). We set one baited minnow trap below the lake outlet and

two minnow traps in the lake. The traps soaked about 4 hours. We captured two juvenile coho salmon (70 and 75 mm FL) and 30 stickleback in the lake. Beavers were constructing a dam at the outlet of the lake (Figure 5). The unnamed lake will be nominated to the Anadromous Waters Catalog.

We walked to an unnamed tributary to Stream No. 251-82-10050-2042-3006. We sampled about 1,000 meters of the stream. We stopped sampling below an 8-foot high barrier (Figure 6). Below the barrier we captured 10 juvenile coho salmon (50-90 mm FL) and 3 juvenile steelhead trout (75-90 mm FL) (Figures 7 and 8). Additionally, we captured 30 Dolly Varden. No length measurements were taken for the Dolly Varden. The unnamed tributary will be nominated to the Anadromous Waters Catalog to the barrier falls.

On the morning of August 1, we drove the 930 Road to an unnamed pond located above the specified reach of Stream No. 252-32-10010-2009 in the Little Afognak River watershed. The pond is located on land managed by Koncor. We set three baited minnow traps at the pond outlet (Figure 9). The traps soaked about 4 hours. The traps captured about 100 stickleback and 1 Dolly Varden (70 mm FL).

We drove to an unnamed lake on the 930 Road MP 8.5. The lake was sampled during the May 2013 sampling effort. No fish were captured in the lake during the May 2013 effort. We walked to the lake outlet and observed an abandoned beaver dam. We walked downstream below the dam and followed the stream channel about 753 meters to Stream No. 252-32-10010. In the first 125 meters below the lake, we observed algal growth on the stream bottom (Figure 10). No fish were observed. About 230 meters below the lake, the algal growth diminished and we set two baited minnow traps. The traps soaked about 1 hour. The traps captured 4 Dolly Varden (60-77 mm FL). We walked downstream an additional 400 meters and observed 5 juvenile coho salmon about 90 meters upstream of Stream No. 252-32-10010. The unnamed stream will be nominated to the Anadromous Waters Catalog.

We drove the 930 Road near MP 7.7. We sampled an unnamed stream that flows into Little Afognak Lake (Lake No. 252-32-10010-0020). The stream flows from an unnamed lake in Unit O-54 (Figure 11). The stream was sampled in 2012 and 2013. Dolly Varden were captured in the stream during the two previous sampling efforts. During our August 1, 2014 sampling effort we captured 3 juvenile coho salmon (55-66 mm FL) (Figure 12). The unnamed stream will be nominated to the Anadromous Waters Catalog.

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

Figure 1. Ms. Ashcroft sampling above the 1100 Road MP 7.5.

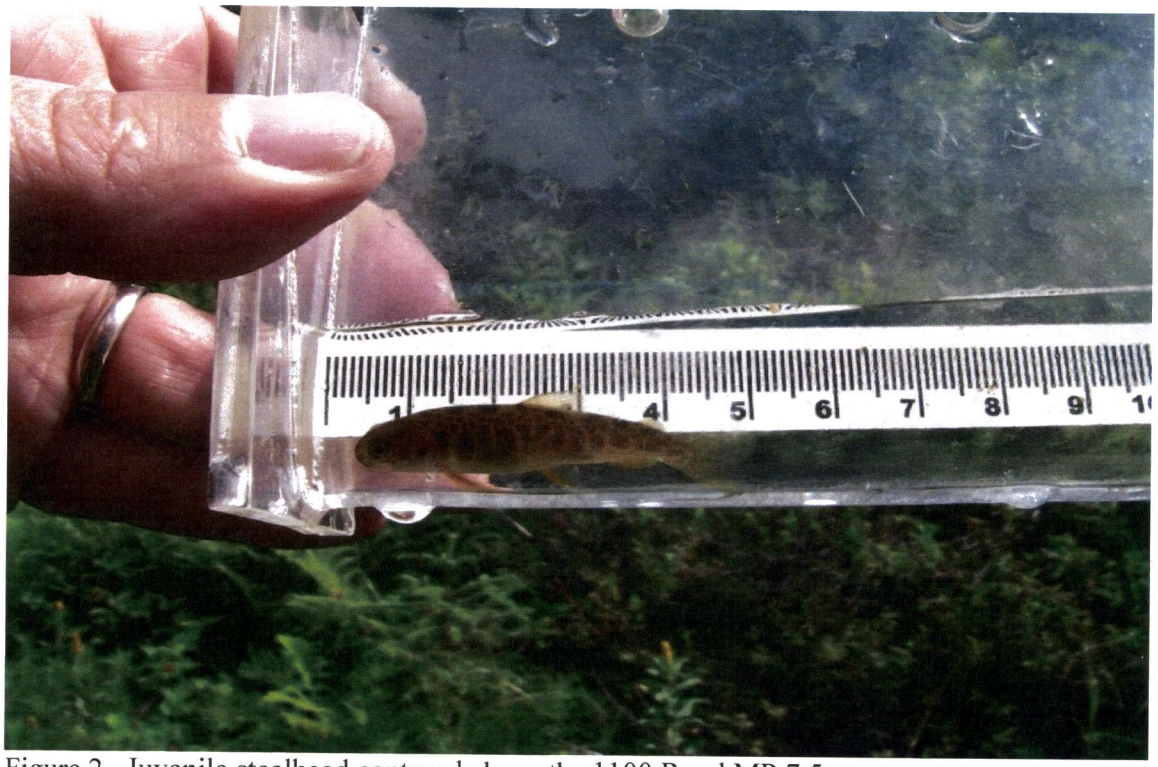


Figure 2. Juvenile steelhead captured above the 1100 Road MP 7.5.

Figure 3. Juvenile coho salmon captured above the 1100 Road MP 7.5.

Figure 4. Unnamed stream above the 1100 Road MP 8.1.

Figure 5. Beaver dam at lake outlet upstream of Portage Creek.

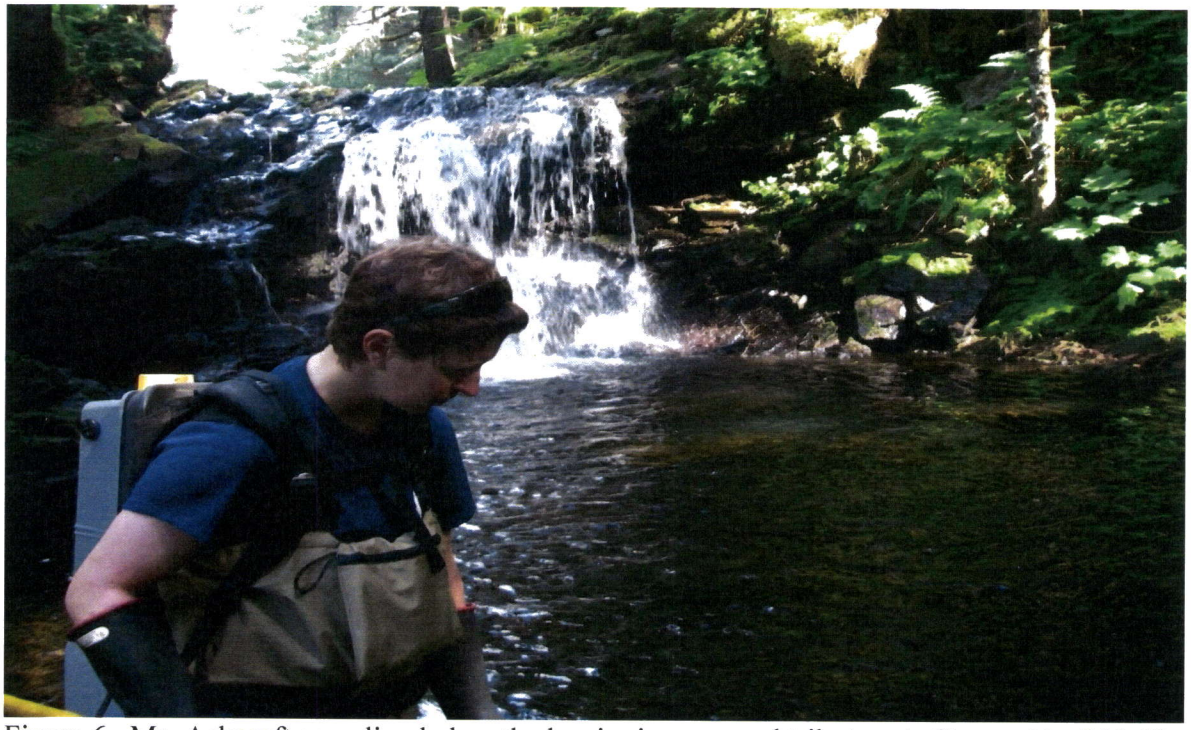


Figure 6. Ms. Ashcroft sampling below the barrier in unnamed tributary to Stream No. 251-82-10050-2042-3006.

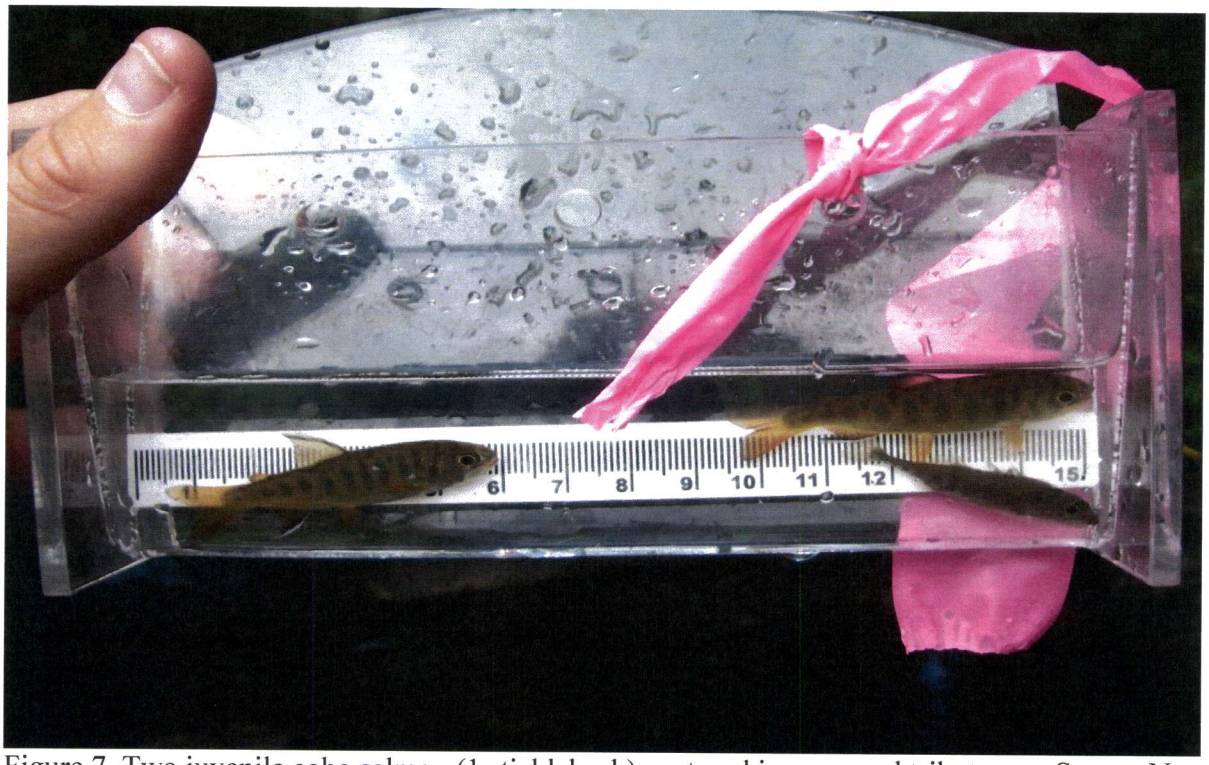


Figure 7. Two juvenile coho salmon (1 stickleback) captured in unnamed tributary to Stream No. 251-82-10050-2042-3006.

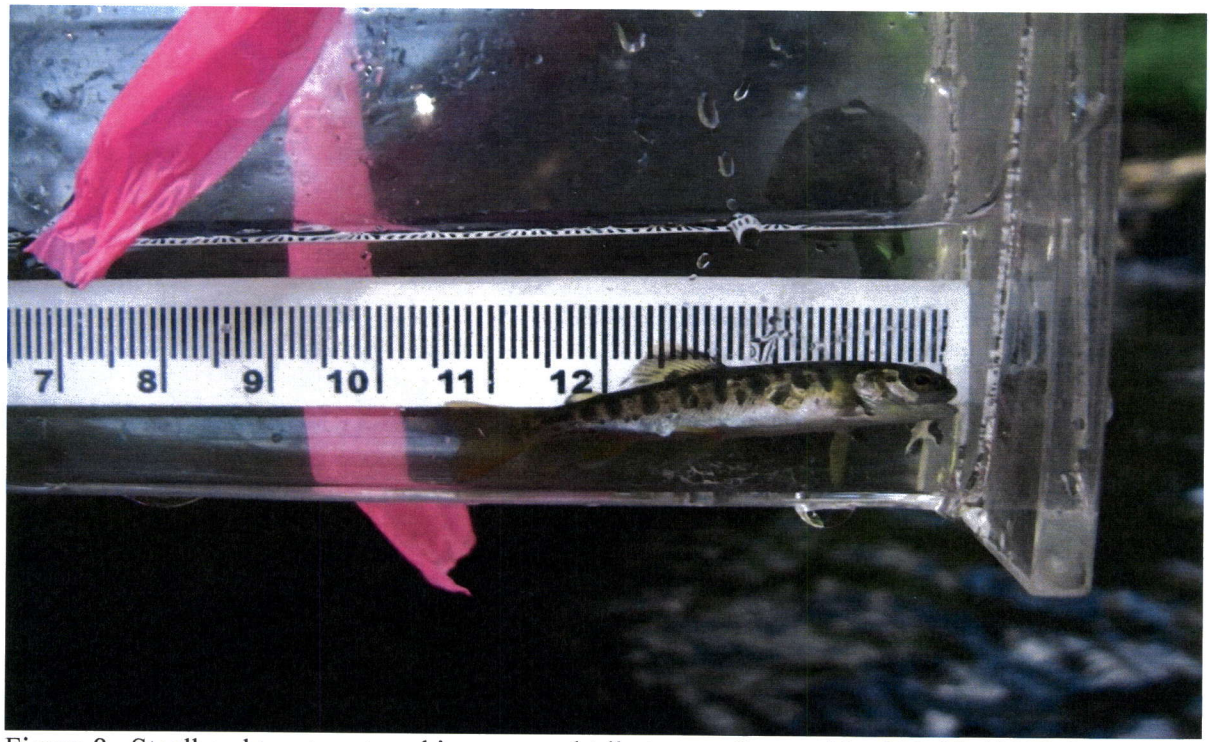


Figure 8. Steelhead trout captured in unnamed tributary to Stream No. 251-82-10050-2042-3006.

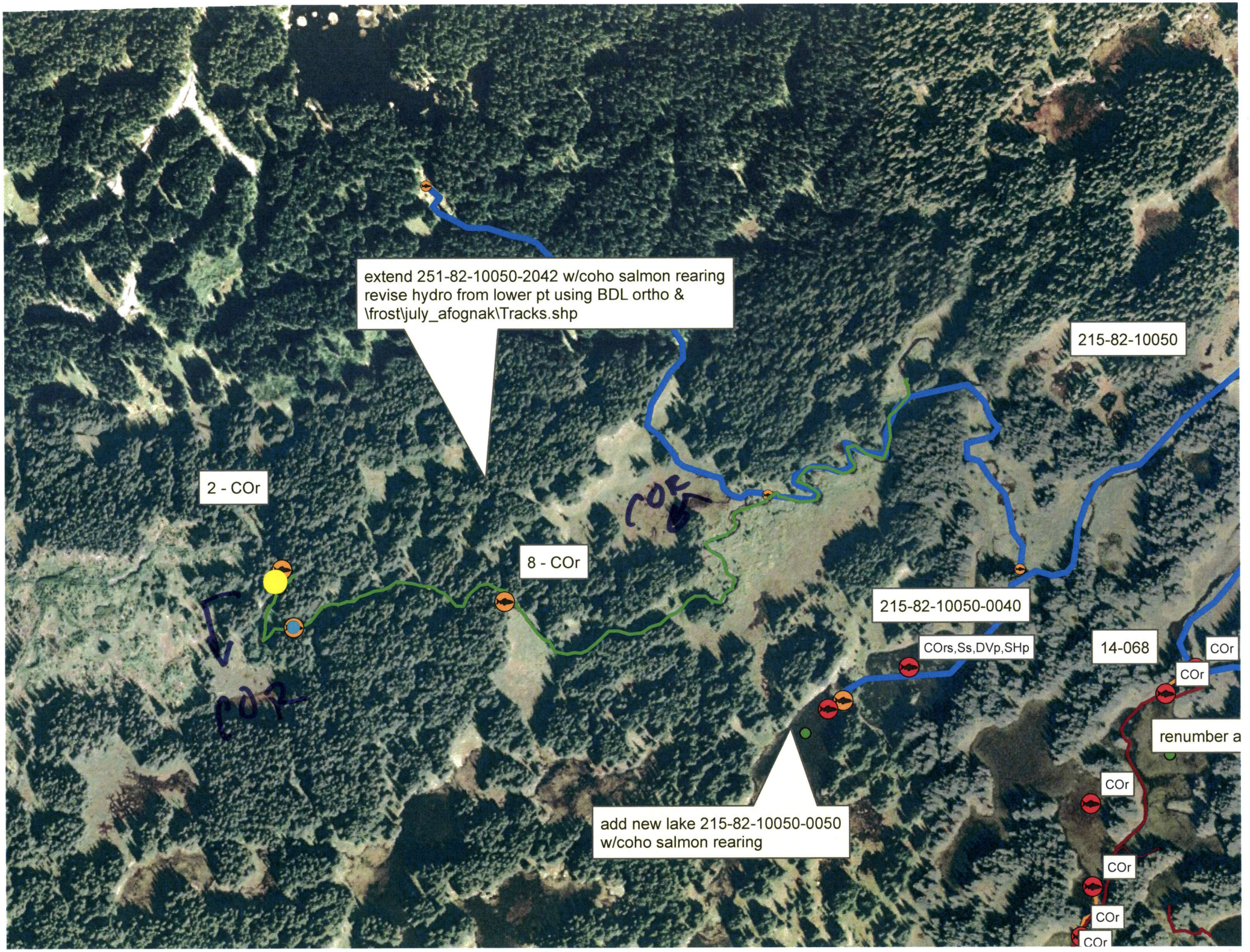
Figure 9. Unnamed pond located above the specified reach of Stream No. 252-32-10010-2009.

Figure 10. Algal growth on the stream bottom of the unnamed tributary stream to Stream No. 252-32-10010.

Figure 11. Unnamed stream that flows into Little Afognak Lake.

Figure 12. Ms. Ashcroft measuring juvenile coho salmon captured in an unnamed stream that flows into Little Afognak Lake.

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


extend 251-82-10050-2042 w/coho salmon rearing
revise hydro from lower pt using BDL ortho &
\frost\july_afognak\Tracks.shp
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add new lake 215-82-10050-0050
w/coho salmon rearing