



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

Nomination Form  
Anadromous Waters Catalog

M E

Region Southwest USGS Quad(s) Afognak B-2  
 Anadromous Waters Catalog Number of Waterway 251-82-10050-2021-3021  
 Name of Waterway Little Ursus Creek  USGS Name  Local Name  
 Addition  Deletion  Correction  Backup Information

For Office Use

Nomination # <u>130234</u>	<u>[Signature]</u> Fisheries Scientist	<u>10/29/13</u> Date
Revision Year: <u>2014</u>	<u>[Signature]</u> Habitat Operations Manager	<u>10/29/13</u> Date
Revision to: Atlas _____ Catalog _____ Both <u>X</u>	<u>[Signature]</u> AWC Project Biologist	<u>10/10/13</u> Date
Revision Code: <u>A-2</u>	<u>[Signature]</u> Cartographer	<u>11/5/13</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Adult Coho Salmon (2)	9/18/2013			X	<input checked="" type="checkbox"/>
Dolly Varden (15)	9/18/2013			X	<input checked="" 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 a AKSSF sampling effort, I used an electrofisher to sample the stream (Figures 1 and 2). See the September 16-18, 2013, Trip Report.

Add new stream w/ coho salmon present

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

ALASKA DEPT. OF  
FISH & GAME  
Date: 9/23/2013  
SEP 25 2013

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): \_\_\_\_\_



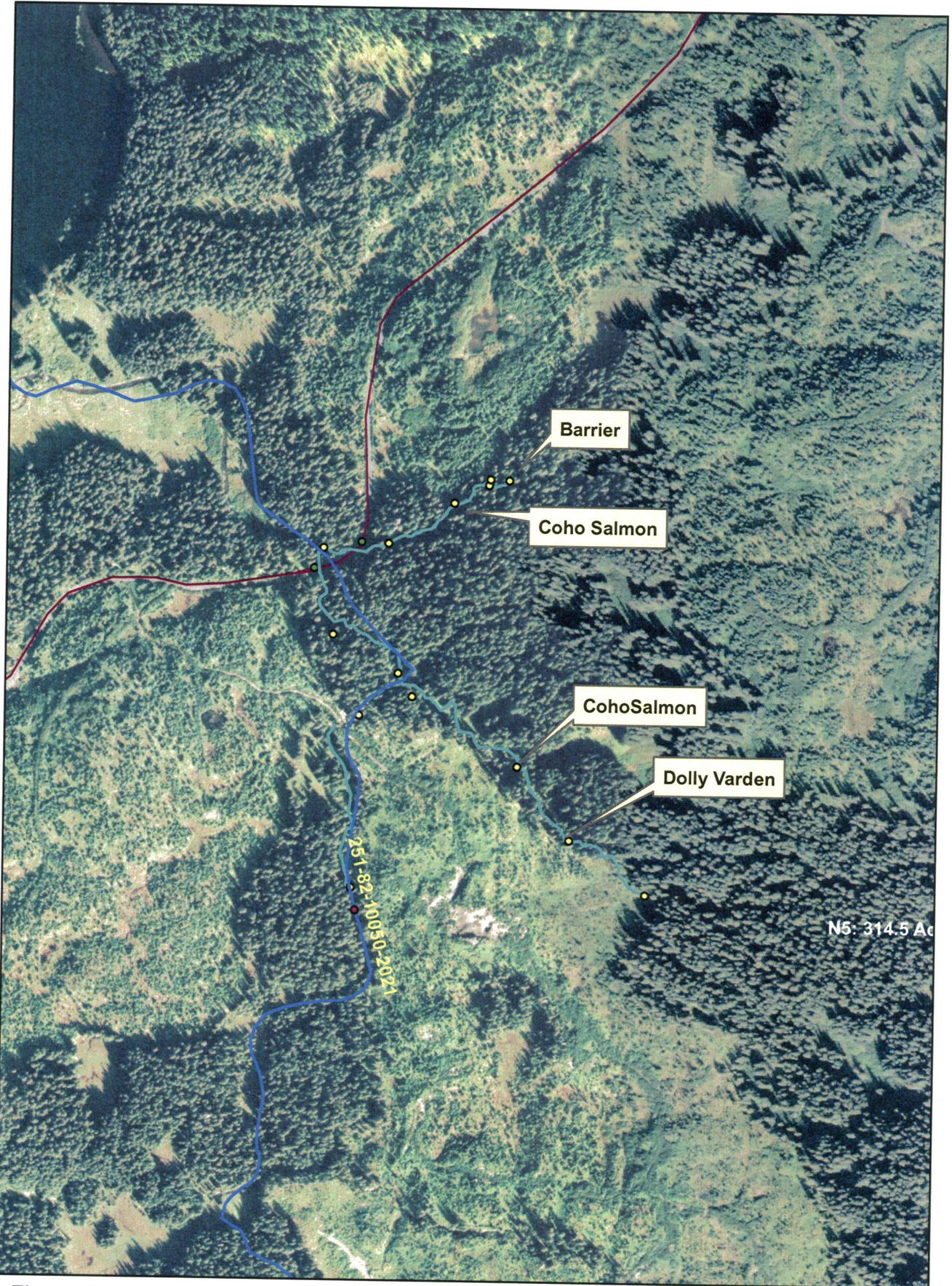


Figure 2



ADF&G

# MEMORANDUM

State of Alaska

Department of Fish and Game  
Division of Habitat

TO: Michael Daigneault  
Central Region  
Regional Supervisor

DATE: September 25, 2013

PHONE NO: 267-2813

FROM: Will Frost *WF*  
Habitat Biologist

SUBJECT: AKSSF AWC Survey: Afognak Island  
September 2013

On September 16 to 18, 2013, I joined Keith Coulter, Koncor, Greg Harris, Afognak Native Corporation (ANC), and Jodi Estrada, 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 clear and cool.

On the morning of September 16, Ms. Estrada and I drove the 1125 Road to an unnamed tributary to the Paramanof River (Stream No. 251-40-10030). The stream is on land managed by ANC. The stream was sampled in April and July 2013. Because of ice in the stream in April and low water in July, no salmon were captured. We conducted a foot survey to determine if adult salmon were present in the stream. We observed about 10 adult pink salmon carcasses in the stream channel about 500 feet above the stream mouth. The unnamed stream will be nominated to the Anadromous Waters Catalog.

We walked to Stream No. 251-40-10030-2008. The stream was sampled in April and July 2013. Because of ice in the stream in April, no salmon were captured. One juvenile coho salmon was captured using an electrofisher in July. We began a foot survey from the upper extent of the specified reach and walked upstream to a barrier to determine if adult salmon were present in the stream (Figure 1). We observed about 25 adult pink salmon carcasses in the stream channel and along the streambanks. The adult pink salmon will be nominated for update to the Anadromous Waters Catalog.

We drove the 1125 Road to Stream No. 251-40-10030-2020. We walked downstream about 1,500 linear feet from the road to conduct a foot survey to determine if adult salmon were present in the stream. We did not observe any adult salmon. We located a 7-foot high barrier about 300 linear feet below the road (Figure 2). The upper extent of the specified reach of Stream No. 251-40-10030-2020 may be located at the barrier. We used an electrofisher to sample the stream

from above the barrier about 550 linear feet upstream to an abandoned beaver dam. We captured one juvenile steelhead/rainbow trout (90 mm fork length (FL)) and 10 Dolly Varden (85-250 mm FL) (Figure 3).

We drove the 1125 Road to Stream No. 251-40-10030. We walked downstream about 1,000 feet from the road and conducted a foot survey to determine if adult salmon were present in the stream. No adult salmon were observed.

On the morning of September 17, I drove the 500 Road to "Ursus" Creek" (Stream No. 251-82-10050-2021). I set two baited minnow traps above the specified reach. The traps soaked about four hours and captured 5 Dolly Varden. No length measurements were taken for the Dolly Varden.

I drove the 1100 Road to an unnamed tributary to Ursus Creek (Figure 4). I set one baited minnow trap about 350 linear feet above the confluence with Ursus Creek. The trap soaked about one hour and captured 5 juvenile coho salmon (45-65 mm FL). I walked upstream an additional 675 linear feet until I located a barrier consisting of five, 5-8-foot high cascades. The unnamed stream will be nominated to the Anadromous Waters Catalog.

I walked up Ursus Creek above the 1100 Road about 1,000 linear feet until I located a barrier consisting of seven, 4-7-foot high cascades (Figures 5 and 6). The Anadromous Waters Catalog depicts the upper extent of the specified reach of Ursus Creek about 1.3 miles above the barrier.

I drove to an unnamed stream located below the marina access road adjacent to the ANC camp. I walked up the stream from Danger Bay to a 10-foot high barrier. The stream is about 350 linear feet. I observed 5 adult pink salmon carcasses in the stream. The unnamed stream will be nominated to the Anadromous Waters Catalog.

On the morning of September 18, Mr. Coulter and I returned to the unnamed tributary to Ursus Creek. I used an electrofisher to sample the stream from the location where the coho salmon were captured on September 17, upstream about 700 linear feet to the barrier. I captured an additional 4 juvenile coho salmon (60 mm FL).

We walked up Ursus Creek and I showed Mr. Coulter the barrier. We walked above the barrier and sampled about 900 linear feet of Ursus Creek (Figure 7). We captured 5 Dolly Varden. No length measurements were taken for the Dolly Varden. Because only Dolly Varden were captured above the barrier on September 17 and 18, additional sampling will be conducted in October 2013 to determine if the barrier is a blockage to anadromous fish. The upper extent of the specified waterbody may be reduced to the location of the barrier.

We located an additional tributary to Ursus Creek ("Little Ursus Creek") about 300 linear feet below the barrier (Figure 8). We sampled about 1,500 linear feet of the stream. We captured and observed about 15 anadromous Dolly Varden and observed 2 adult coho salmon. No length measurements were taken for the Dolly Varden. Little Ursus Creek will be nominated to the Anadromous Waters Catalog.

The ADF&G is currently planning on returning to Afognak for a sampling effort in October 2013.

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. Pink salmon carcasses located in Stream No. 251-40-10030-2008.

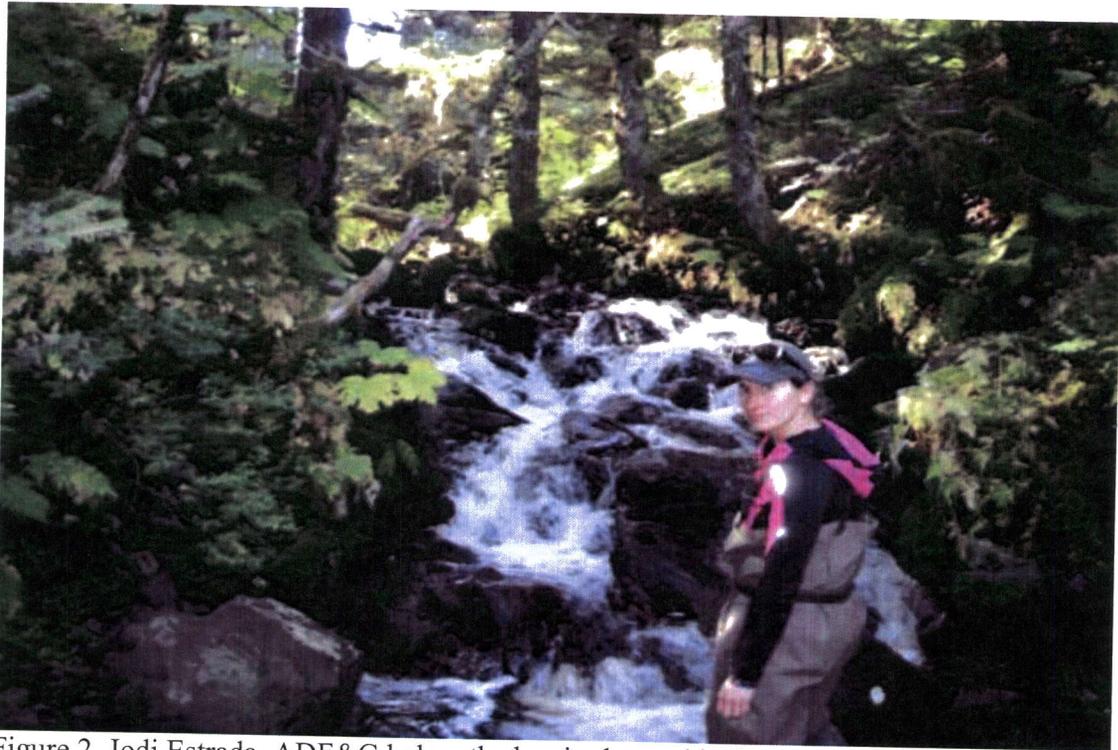


Figure 2. Jodi Estrada, ADF&G below the barrier located in Stream No. 251-40-10030-2020.



Figure 3. Dolly Varden captured in Stream No. 251-40-10030-2020.



Figure 4. Unnamed tributary to Ursus Creek. View looking upstream.



Figure 5. Barrier in Ursus Creek. View looking upstream.



Figure 6. Barrier in Ursus Creek. View looking upstream.



Figure 7. Will Frost, Habitat Biologist, sampling above the barrier in Ursus Creek.

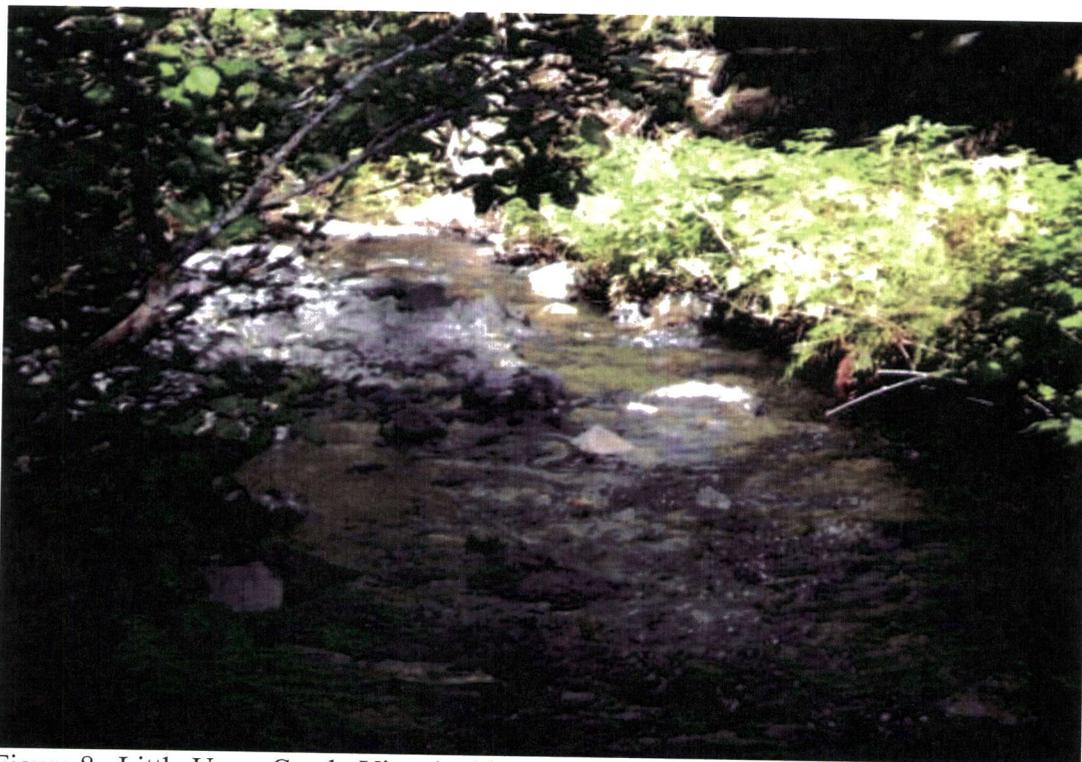
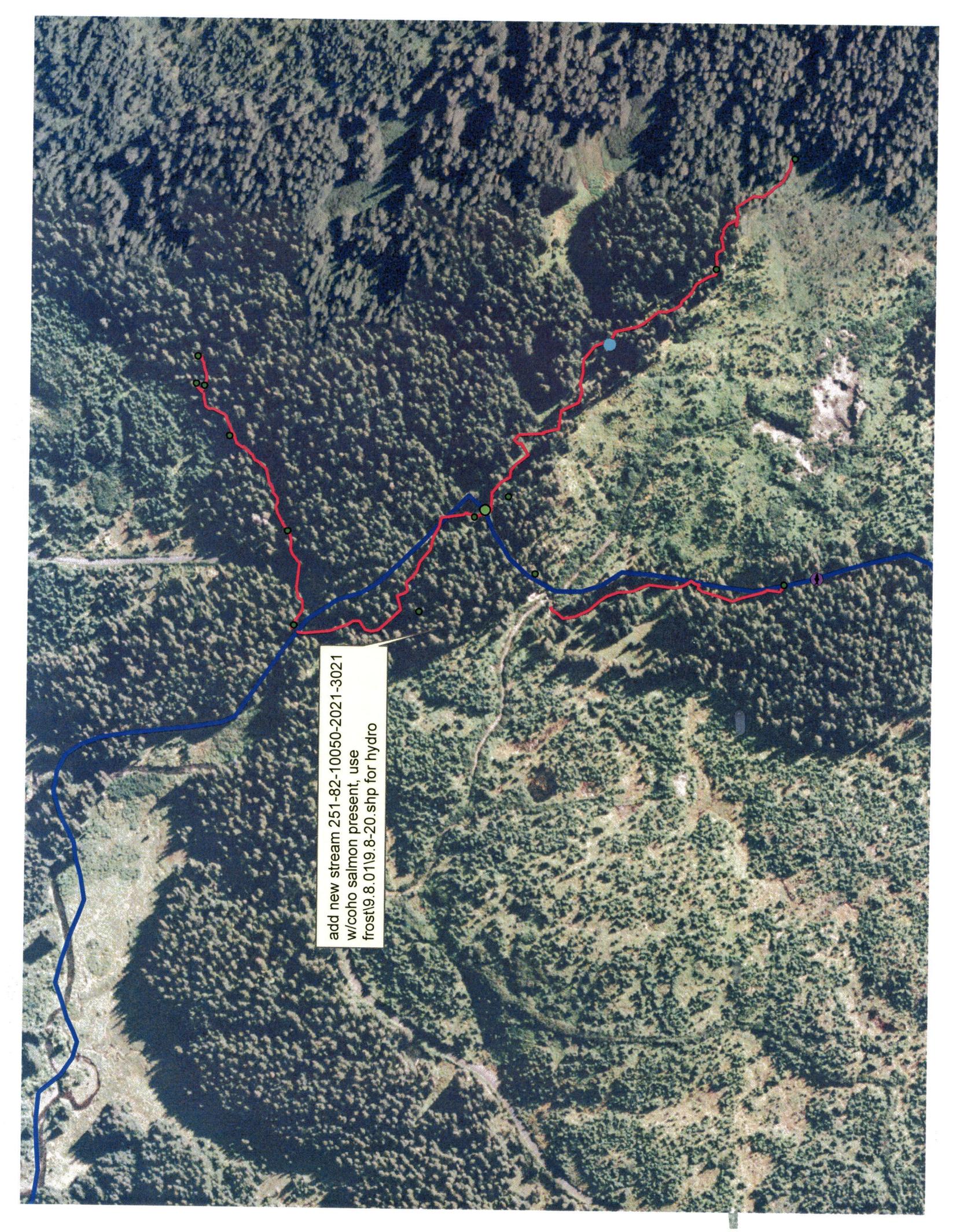


Figure 8. Little Ursus Creek. View looking downstream.



add new stream 251-82-10050-2021-3021  
w/coho salmon present, use  
frost\9.8.01\9.8-20.shp for hydro