



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

Nomination Form
Anadromous Waters Catalog

41

Region: Southwest USGS Quad(s): Afognak A-2 *NE*

Anadromous Waters Catalog Number of Waterway: 252-32-10010-2043

Name of Waterway: Unnamed tributary Little Afognak Lake USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

| | | | |
|----------------|---------------------------|----------------------------|-----------------|
| Nomination # | <u>10150</u> | <u>James J. Hasbrouck</u> | <u>9/3/2014</u> |
| Revision Year: | <u>2015</u> | Fisheries Scientist | Date |
| Revision to: | Atlas _____ Catalog _____ | <u>Wahl J. Frost</u> | <u>9/3/14</u> |
| | Both <u>X</u> | Habitat Operations Manager | Date |
| Revision Code: | <u>A-Z</u> | <u>[Signature]</u> | <u>6/3/14</u> |
| | | AWC Project Biologist | Date |
| | | <u>TA</u> | <u>9/5/2014</u> |
| | | Cartographer | Date |

OBSERVATION INFORMATION

| Species | Date(s) Observed | Spawning | Rearing | Present | Anadromous |
|------------------|------------------|----------|---------|---------|-------------------------------------|
| Coho Salmon (12) | 5/20/2014 | | X | | <input checked="" type="checkbox"/> |
| | | | | | <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 a joint AKSSF survey, I captured juvenile coho salmon in an unnamed tributary to Little Afognak Lake (Figure 1, IDENT 026). See the attached May 18-20, 2014 trip report.

Add new stream w/ Coho Salmon REARING

ref from # 14-164

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

Signature: [Signature]

Agency: ADF&G, Division of Habitat

Address: 333 Raspberry Road
Anchorage, AK 99518

Date: 5/27/2014
ALASKA DEPT. OF
FISH & GAME
MAY 29 2014

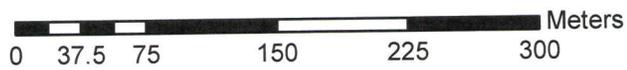
This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Anadromous Waters Catalog.

Signature of Area Biologist: _____ Date: _____ Revision 05/08

Name of Area Biologist (please print): _____



Figure 1



ADF&G

MEMORANDUM

State of Alaska

Department of Fish and Game
Division of Habitat

TO: Michael Daigneault
Central Region
Regional Supervisor

DATE: May 28, 2014

PHONE NO: 267-2813

FROM: Will Frost *WF*
Habitat Biologist

SUBJECT: AKSSF AWC Survey: Afognak Island
May 2014

On May 18 through 20, 2014, I joined Keith Coulter, Koncor, Greg Harris, Afognak Native Corporation (ANC), and Jesse Coleman, 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 unseasonably warm.

On the afternoon of May 18, Ms. Coleman, and I drove the 1100 Road near mile post (MP) 7.1 to two unnamed lakes that flow into the Portage River watershed (Stream No. 251-82-10050). The lakes are located on land managed by ANC. We set five baited minnow traps in the lakes and one trap in Stream No. 252-33-10010-2006-3001 in the NE Danger Creek (the local name is "Cold Creek") watershed (Stream No. 252-33-10010). The traps soaked about 15 hours. Traps one through three captured about 150 Stickleback and 4 Dolly Varden (115-120 mm fork length (FL)). The lake outlet may be blocked by a beaver dam. The lake outlet will be surveyed for beaver dams in June 2014. Traps four and five were located in an unnamed lake that flows over a beaver dam into the previously sampled lake (Figure 1). The trap captured about 200 stickleback (Figure 2). Trap six in Stream No. 252-33-10010-2006-3001 captured six Dolly Varden (65-95 mm FL). We determined the upper extent of the specified reach of Stream No. 252-33-10010-2006-3001 is inaccurate. We used a Garmin GPS to map the correct location of the specified reach. The correct location will be nominated for update to the Anadromous Waters Catalog.

While returning to the 1100 Road we walked up Stream No. 252-33-10010-2006-3007. We observed an unnamed tributary flowing from a lake that was blocked by a beaver dam located at the lake outlet. The tributary was 60 meters long. We observed 5 juvenile coho salmon in the tributary below the beaver dam (Figure 3). The unnamed stream will be nominated to the Anadromous Waters Catalog.

We drove the 1100 Road to MP 8.6 and set two baited minnow traps in an unnamed tributary to Stream No. 251-82-10050-2039 above the 1100 Road. The stream gradient 100 meters above the road is a barrier to fish passage. The stream flows through a 19-inch diameter culvert. The traps soaked about four hours. The stream is located on land managed by ANC. The traps captured 7 juvenile coho salmon (55-75 mm FL) (Figure 4). The unnamed stream was sampled below the 1100 Road during the April 2014 sampling effort. The additional stream reach will be nominated to the Anadromous Waters Catalog.

We drove to Ursus Creek (Stream No. 251-82-10050-2021) on land managed by Koncor. We used an electrofisher to sample a specified reach above a series of cascades that was determined to be a barrier to fish passage. The upper cascade was about 20-25% gradient over a 25-50 foot distance (Figures 5 and 6). No pools were located below the cascade. We sampled about 750 meters of the stream above the cascades. We captured 21 Dolly Varden (70-135 mm FL) and observed an additional 100 Dolly Varden (Figure 7). The specified reach above the barrier was sampled two times in September 2013 and Dolly Varden were captured above the barrier. No anadromous fish were captured or observed during the sampling efforts. The specified reach above the barrier will be reclassified as resident fish habitat and updated to the Anadromous Waters Catalog.

On the morning of May 20, Mr. Coulter, Ms. Coleman, and I drove the 900 road to Little Afognak Lake (Lake No. 252-32-10010-0020) in Unit O58. We sampled 312 meters of an unnamed tributary stream that flows to the lake. We captured 10 young-of-year coho salmon and 2 coho salmon (55 and 65 mm FL). We ended our survey where the stream gradient became a barrier to fish passage. The unnamed stream will be nominated to the Anadromous Waters Catalog.

We walked to the outlet of Stream No. 252-32-10010-2021. The location of the outlet is incorrectly mapped in the Anadromous Waters Catalog. I used a GPS to locate the correct location. The correct location will be updated to the Anadromous Waters Catalog.

We walked to an additional unnamed stream that flows into the lake. We sampled about 380 meters of the stream to the headwater located at a spring. We captured 5 young-of-year coho salmon and observed about 800 young-of-year coho salmon. The unnamed stream will be nominated to the Anadromous Waters Catalog.

Ms. Coleman and I drove to the 1100 Road MP 8.0 and sampled an unnamed pond that flows to Stream No. 251-82-10050-2039 using two minnow traps (Figure 8). The traps soaked about two hours. The traps captured 4 juvenile coho salmon (55-75 mm FL) and 6 Dolly Varden (70-125 mm FL). The unnamed pond will be nominated to the Anadromous Waters Catalog.

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



Figure 1. Unnamed lake that flows to Portage River.



Figure 2. Stickleback captured in unnamed lake that flows to Portage River.



Figure 3. Ms. Coleman observing juvenile coho salmon in unnamed tributary that flows to Stream No. 252-33-10010-2006-3007.

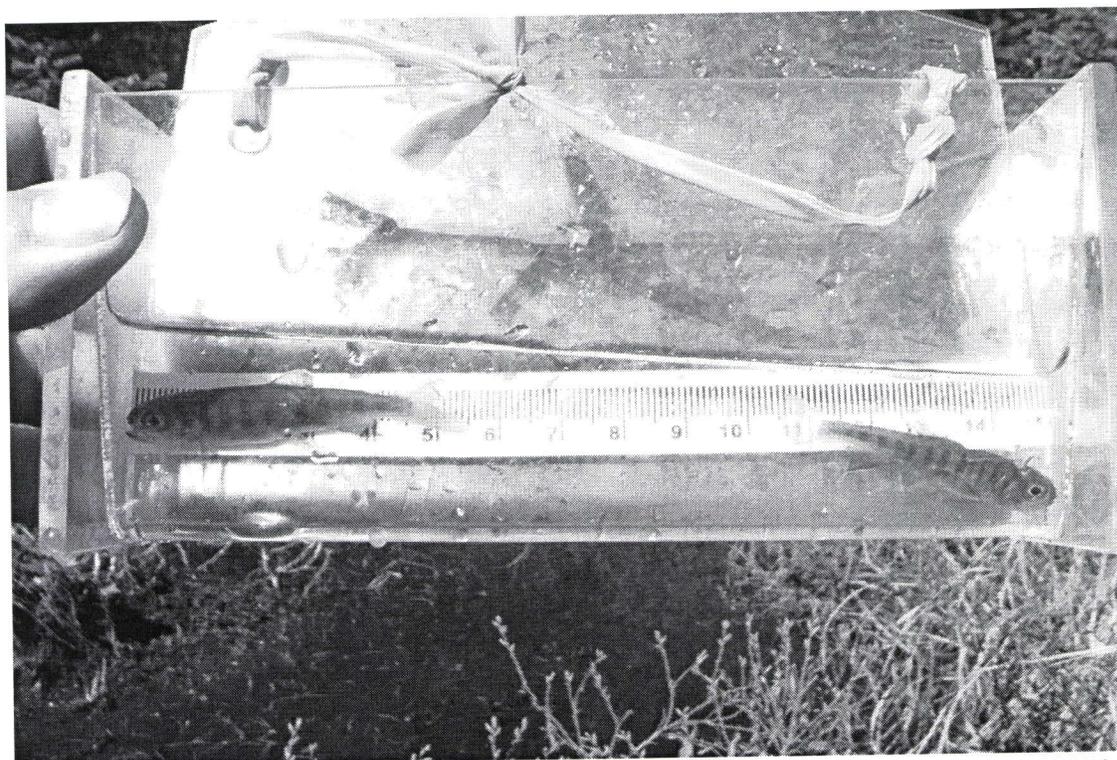


Figure 4. Juvenile coho salmon captured in unnamed tributary to Stream No. 251-82-10050-2039.



Figure 5. Upper cascade located in Ursus Creek.



Figure 6. Upper cascade located in Ursus Creek.

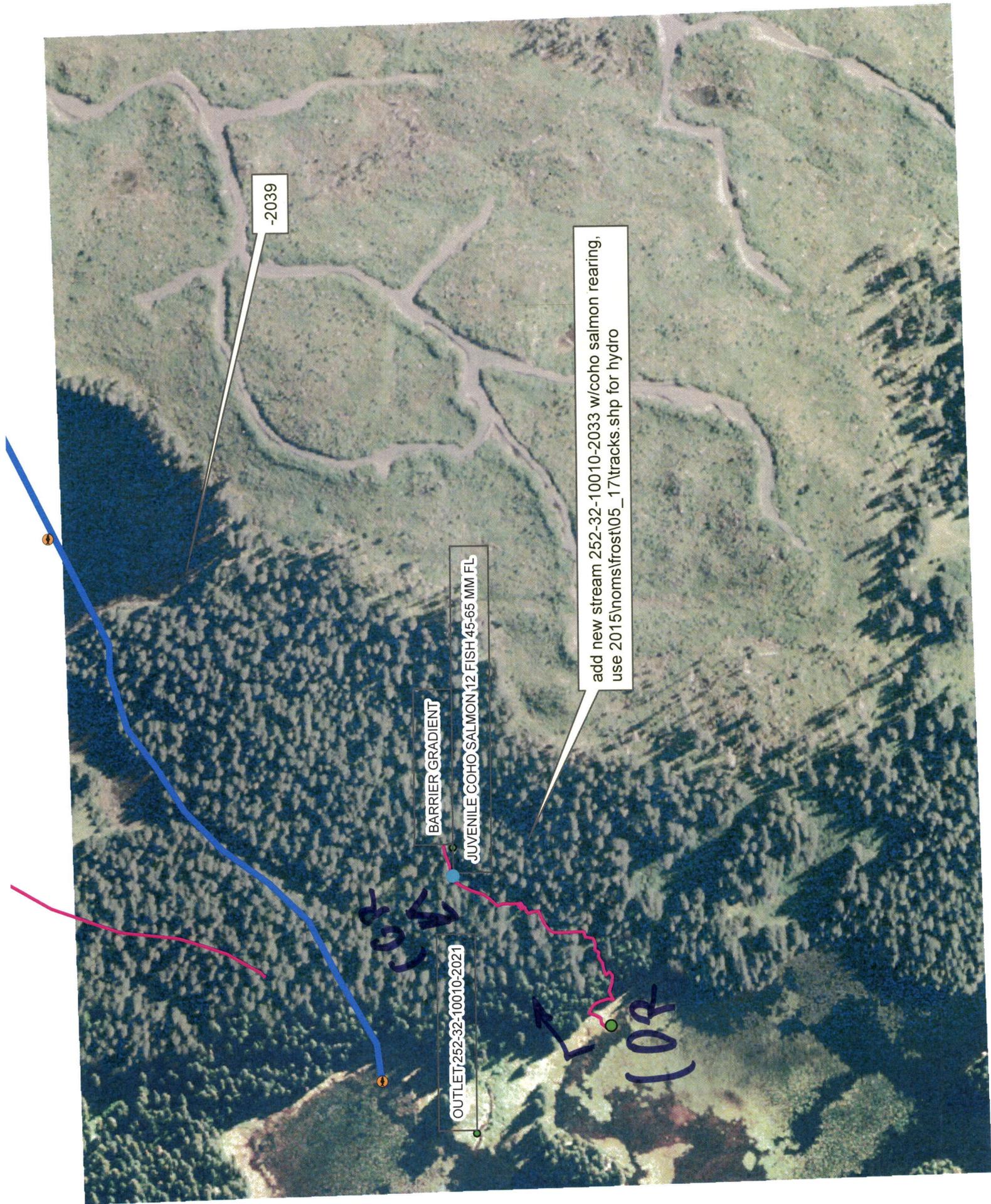


Figure 7. Dolly Varden captured in Ursus Creek above the cascades.



Figure 8. Trap soaking in unnamed pond that flows to Stream No. 251-82-10050-2039.

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



-2039

add new stream 252-32-10010-2033 w/coho salmon rearing,
use 2015\noms\frost\05_17\tracks.shp for hydro

BARRIER GRADIENT
JUVENILE COHO SALMON 12 FISH 45-65 MM FL

OUTLET 252-32-10010-2021

(OR)

(OR)