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: 252-33-10025

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

☑ Addition ☐ Deletion ☑ Correction ☐ Backup Information

For Office Use

Nomination #	150463	James J Hasbrouck, Fisheries Scientist	10/26/2015 Date
Revision Year:	2016	Habitat Operations Manager	10/26/15 Date
Revision to: Atlas ____ Catalog ____ Both ✓		AWC Project Biologist	21 Sept 15 Date
Revision Code:	B-1, E-9	Cartographer	10/29/15 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Pink Salmon	9/12/2015	X			☑
					☐
					☐
					☐
					☐

Ref from # 15-033

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

add pink salmon spawning to creek

During an joint ANC, ADF&G AKSSF stream survey, I used a GPS to correct the location of Stream No. 252-33-10025 and located a barrier falls (IDENT 228)(Figure 1). We observed over 1,000 pink salmon spawning in the lower reach (IDENT 227). See the September 11-13, 2015 trip report.

add barrier @ top of reach

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

Signature: [signature] Date: 9/18/2015

Agency: ADF&G, Division of Habitat

Address: 333 Raspberry Road
Anchorage, AK 99518

ALASKA DEPT. OF FISH & GAME
SEP 18 2015

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

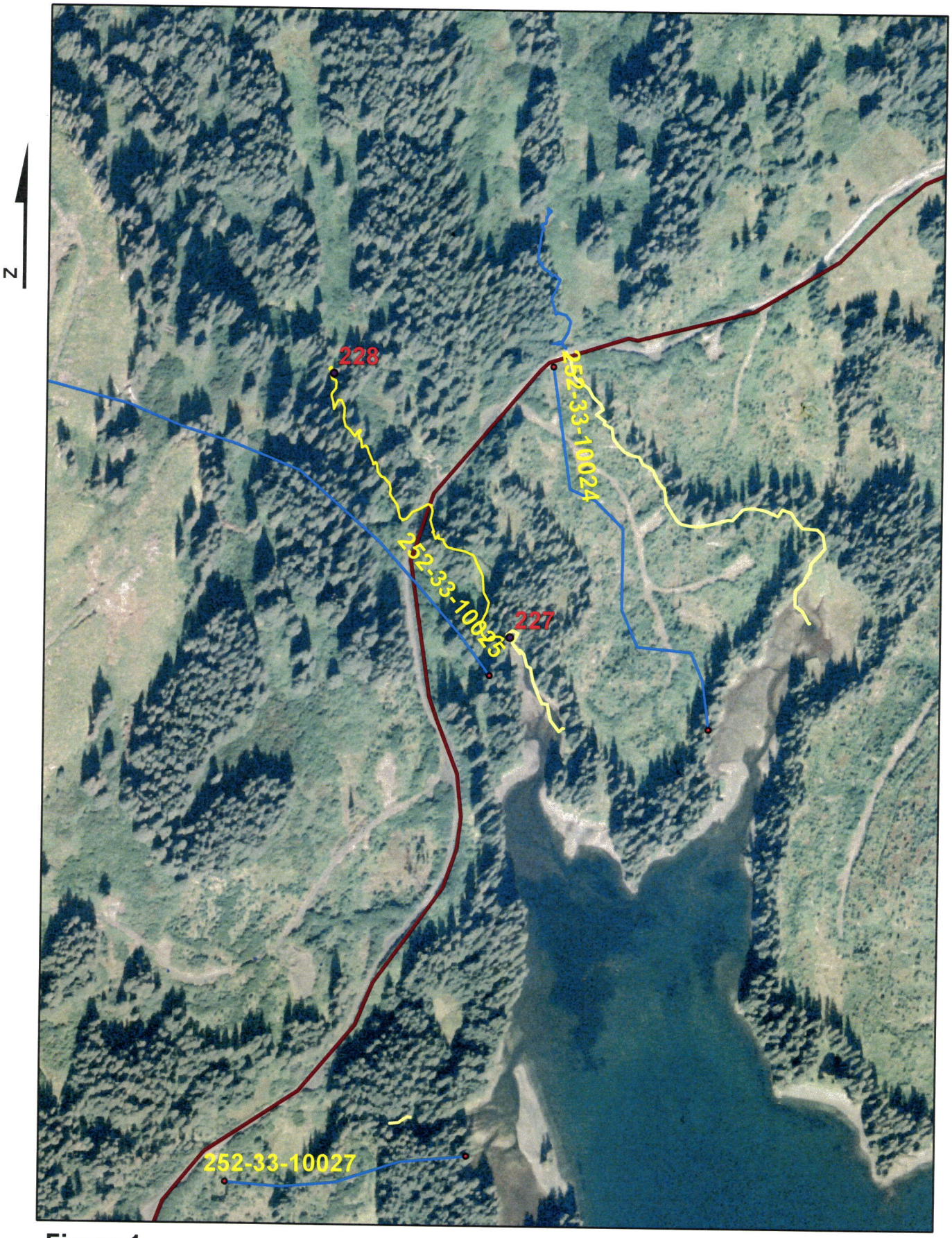

Figure 1

0 45 90 180 270 360 Meters

ADF&G

MEMORANDUM

State of Alaska

Department of Fish and Game
Division of Habitat

TO: Michael Daigneault
Central Region
Regional Supervisor

DATE: September 18, 2015

PHONE NO: 267-2813

FROM: Will Frost WF
Habitat Biologist

SUBJECT: AKSSF AWC Survey: Afognak Island
September 2015

On September 11 through 13, 2015, I joined Greg Harris, Afognak Native Corporation (ANC), Keith Coulter, Koncor, 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 timber 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 mostly sunny and warm. The water levels in the streams we sampled was low because of unseasonably dry conditions.

On the morning of September 11, Ms. Alas and I drove to the 1100 Road near mile post (MP) 12.2. We set one baited minnow trap below a perched culvert and one baited minnow trap above the culvert. The traps soaked about 4 hours. The culvert is on land managed by Koncor. The trap below the culvert captured 4 Dolly Varden (45-60 mm fork length (FL)). The trap above the culvert was empty. Juvenile coho salmon were captured about 500 meters below the 1100 Road during the July 2015 sampling effort. The stream will be sampled below the 1100 Road to the point where coho salmon were captured during the October 2015 sampling effort.

We drove to the 300 Road and walked into Unit N-15. The unit is on land managed by Koncor. We used an electrofisher to sample an unnamed tributary to the upper reach of Stream No. 251-82-10052 located above the 1100 Road. The stream flows through the unit into an old harvest unit that was cut in the 1970s. The brush and regenerated trees made sampling difficult (Figure 1). We located an old spur road that has caused the stream to flow subsurface, blocking fish passage (Figure 2). The ADF&G will work with Koncor to open the road for fish passage. Below the road, we captured 10 Dolly Varden (50-75 mm FL). We plan to re-sample the unnamed tributary in October 2015.

We drove the 1100 Road to MP 10. We sampled about 375 meters of an unnamed stream below the 1100 Road to Upper Portage Lake (Lake No. 251-82-10050-0020) (Figure 3). We captured 15 Dolly Varden (55-100 mm FL).

At Upper Portage Lake, we captured 3 juvenile coho salmon (55-65 mm FL) in the lake. We observed about an additional 100. The rearing coho salmon will be nominated for update to the Anadromous Waters Catalog.

We walked south along the eastside of the lakeshore and located a small 2-foot wide stream. We sampled upstream about 50 meters to a barrier. No fish were captured or observed.

We continued walking south and located an additional unnamed stream. We sampled upstream about 400 meters to the 1100 Road MP 9.9. We captured about 30 juvenile coho salmon and measured 10 fish (50-70 mm FL) (Figure 4). We captured 10 Dolly Varden and measured 5 fish (45-100 mm FL). We ended our sampling at a perched culvert on the 1100 Road (Figure 5). The culvert is a barrier to fish passage and must be removed. The ADF&G will work with Koncor to schedule the removal of the culvert and installation of a log stringer bridge. The unnamed stream will be nominated to the Anadromous Waters Catalog.

We walked downstream from the road about 40 meters and sampled an unnamed tributary to the previously sampled stream. We sampled upstream about 65 meters to a perched culvert on the 1100 Road. We captured 5 Dolly Varden. No length measurements were taken for the Dolly Varden. The culvert is a barrier to fish passage and must be removed. The ADF&G will work with Koncor to schedule the removal of the culvert and installation of a log stringer bridge.

On the morning of September 12, Mr. Harris, Ms. Alas and I drove the 1100 Road to Unit KNG-11 on Discoverer Bay. The land is managed by Koniag. We walked to an unnamed stream and located a barrier to fish passage about 30 meters above a 5 acre beaver pond. A beaver dam is located at about mean high water level to Discoverer Bay (Figure 6). No defined stream channel exists below the beaver dam and no adult fish were observed below the beaver dam or in the lake. No riparian retention area will be required along the lake.

We drove to the 1110 Road to Stream No. 252-33-10025. The stream is on land managed by ANC. We walked about 200 meters below the 1110 Road and observed about 1,000 adult pink salmon spawning below a 4-foot high barrier (Figure 7). Fish were observed spawning in the stream about 120 meters below the barrier. We walked upstream to the 1110 Road and sampled above the road about 200 meters to a 30-foot high falls (Figure 8). I used a Garmin GPS to correct the location of the stream. No adult or juvenile fish were captured or observed above the 1110 Road. The spawning pink salmon, correct stream location, and barrier will be nominated for update to the Anadromous Waters Catalog.

We drove the 1110 Road to MP 10.2. We sampled an unnamed tributary to Stream No. 251-40-10030. The stream is on land managed by ANC. We captured 4 juvenile coho salmon (70-100 mm FL) below a perched culvert (Figure 9). About 250 meters below the 1110 Road we located an abandoned log stringer bridge (Figure 10). The bridge is overgrown with alder. The bridge must be removed. The ADF&G will work with ANC to schedule the removal of the log stringer

bridge.
We sampled an additional 230 meters of the stream above the 1110 Road. We captured 5 juvenile coho salmon (55-110 mm FL). We captured 10 Dolly Varden (40-110 mm FL). The culvert is a partial barrier to fish passage and must be removed. The ADF&G will work with ANC to schedule the removal of the culvert and installation of a log stringer bridge.

On the morning of September 13, Ms. Alas and I located about 40 adult pink salmon spawning in an unnamed stream located in the ANC camp. The salmon were below a perched culvert located on a camp road (Figure 11). The culvert is directly below a natural barrier. The pink salmon will be nominated to the Anadromous Waters Catalog.

We located an additional stream adjacent to the old school house location in the ANC camp. About 200 adult pink salmon were spawning below a natural barrier. The pink salmon will be nominated to the Anadromous Waters Catalog.

We drove the 1100 Road to MP 10.3. We sampled about 450 meters of an unnamed stream that flows into Portage River (Stream No. 251-82-10050). The stream gradient was steep. About 60 meters above Portage River we captured 3 juvenile coho salmon (65-70 mm FL). We ended our sampling when we encountered a brown bear near the mouth of the stream. The unnamed stream will be nominated to the Anadromous Waters Catalog.

We drove the 1100 Road to MP 9.6 and sampled an unnamed stream that flows to the stream located at MP 9.9. We captured 3 juvenile coho salmon (55-65 mm FL) below a perched culvert. The culvert is a barrier to fish passage and must be removed. The ADF&G will work with Koncor to schedule the removal of the culvert and installation of a log stringer bridge. The unnamed tributary stream will be nominated to the Anadromous Waters Catalog.

The ADF&G is currently planning on returning to Afognak for a sampling effort in October 2015.

cc: S. Schrof, ADF&G
N. Svoboda, ADF&G
D. Tracy, ADF&G
A. Ott, ADF&G
C. Curtis, ADF&G
K. Hanley, ADEC
H. Rinke, ADOF
B. Cassidy, KIB
K. Coulter, Koncor
G. Harris, ANC
T. Rackley, ANC
M. Van Daele, Koniag

Figure 1. Heavy brush below Unit N-15.

Figure 2. Subsurface stream flow below an abandoned logging road.

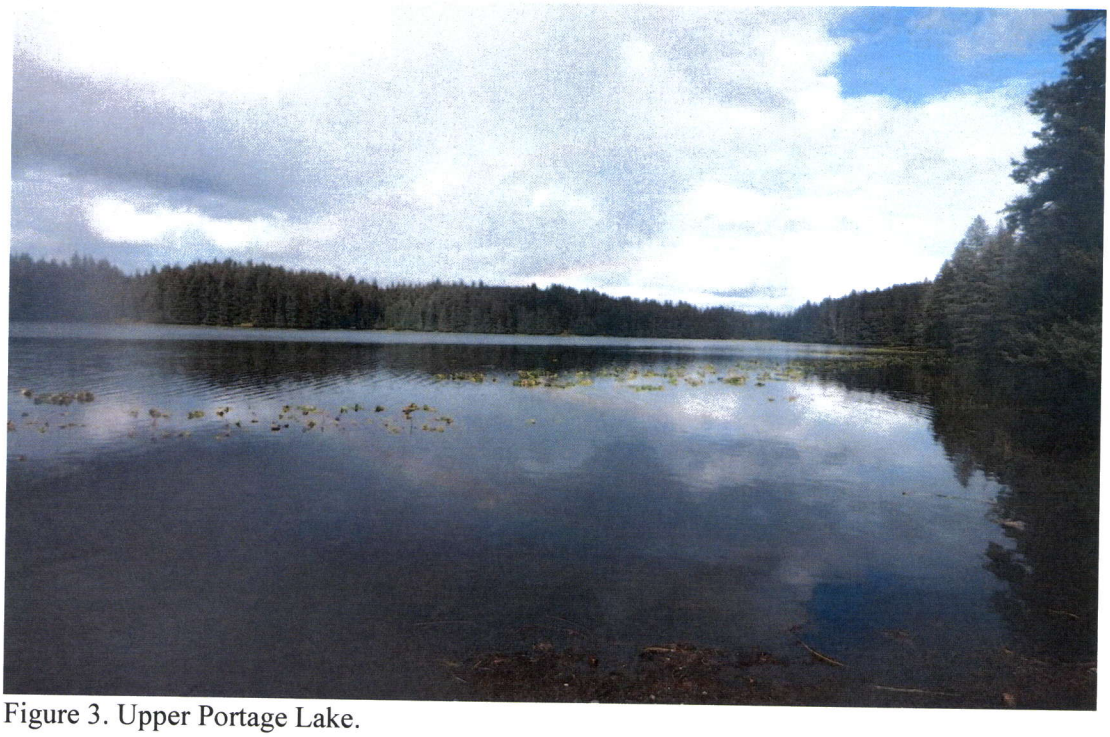

Figure 3. Upper Portage Lake.

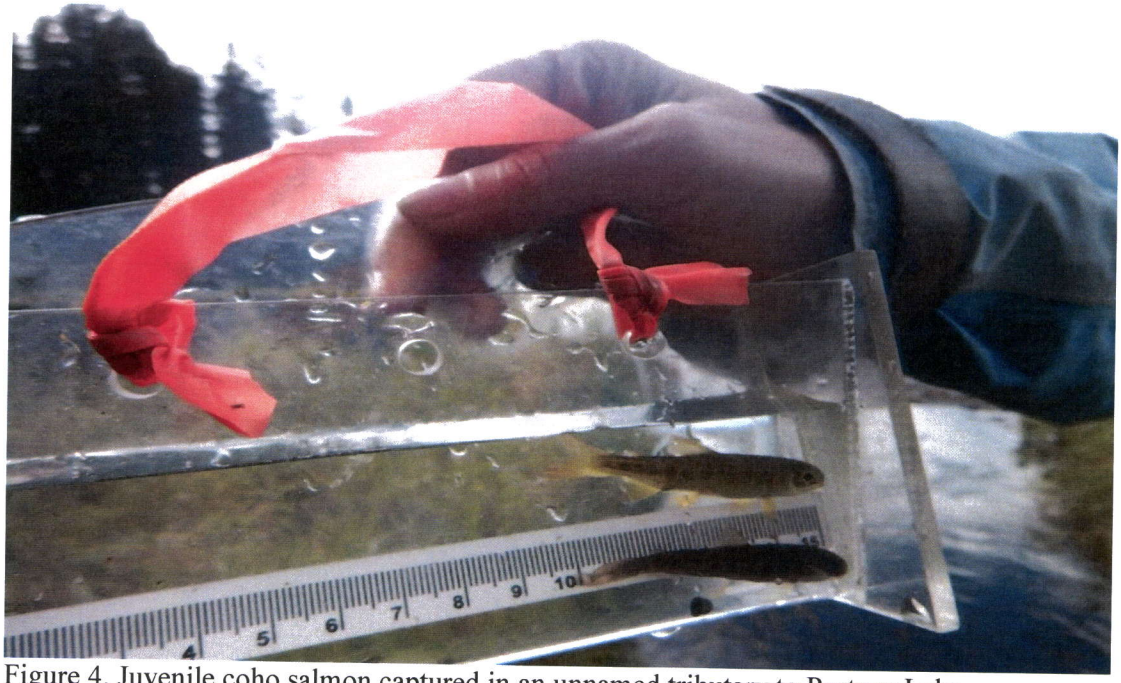

Figure 4. Juvenile coho salmon captured in an unnamed tributary to Portage Lake.

Figure 5. Mr. Frost below perched culvert, 1100 Road MP 9.9.

Figure 6. Beaver dam at tidewater in Unit KNG-11.

Figure 7. Adult pink salmon spawning in Stream No. 252-33-10025.

Figure 8. Barrier falls on Stream No. 252-33-10025.

Figure 9. Perched culvert on unnamed tributary to Stream No. 251-40-10030.

Figure 10. Abandoned log bridge on unnamed tributary to Stream No. 251-40-10030.

Figure 11. Pink salmon spawning in unnamed stream in ANC camp.

add pink salmon spawning to 252-33-10025,
add barrier @ top of reach
Pp
Ps
Pp
Ps
Ps
Ps
barrier
Ps
500
100
8
378
esri, ADFG