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

Nomination Form
Anadromous Waters Catalog

Region: Southwest

USGS Quad(s): Afognak B-1

Anadromous Waters Catalog Number of Waterway: 251-82-10070-2231

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

☐ Addition ☐ Deletion ☐ Correction ☑ Backup Information

For Office Use

Nomination # 150160

Revision Year: 2016

Revision to: Atlas ____ Catalog ____ Both ____

Revision Code: F-1

	Date
Fisheries Scientist	
Habitat Operations Manager	
AWC Project Biologist	21 May 15
Cartographer	

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Juvenile Coho Salmon (2	5/5/2015		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 2 juvenile coho salmon (Figure 1, Ident 465). See the May 4-7, 2015 trip report.

Coho salmon rearing previously documented

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

Signature:

Agency: ADF&G, Division of Habitat

Address: 333 Raspberry Road
Anchorage, AK 99518

Date: 5/11/2015

ALASKA DEPT. OF FISH & GAME
MAY 12 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

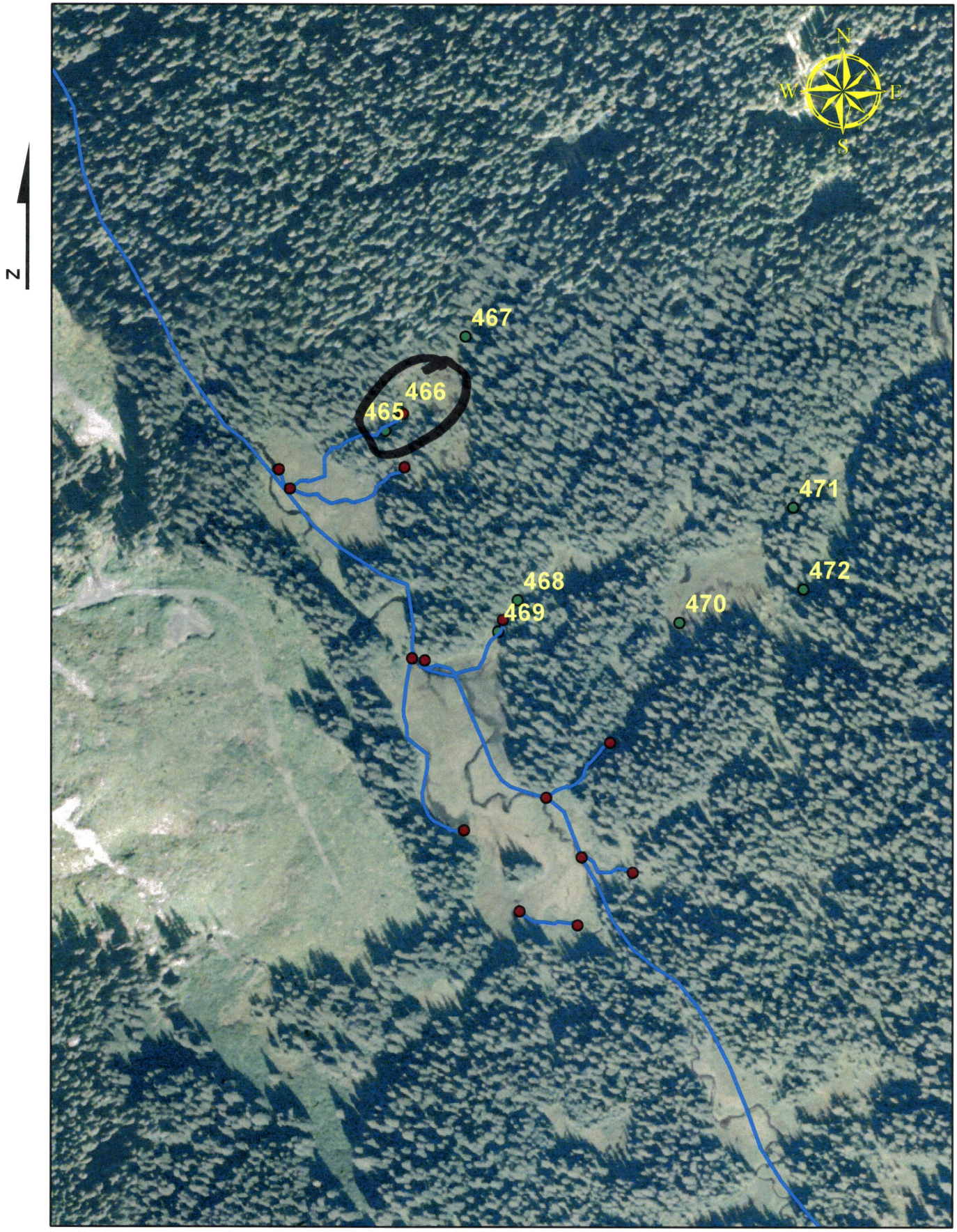
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Figure 1

MEMORANDUM

State of Alaska

Department of Fish and Game
Division of Habitat

TO: Michael Daigneault
Central Region
Regional Supervisor

DATE: May 12, 2015

PHONE NO: 267-2813

FROM: Will Frost WF
Habitat Biologist

SUBJECT: AKSSF AWC Survey: Afognak Island
May 2015

On May 4 through 7, 2014, I joined Keith Coulter, Koncor, Greg Harris, Afognak Native Corporation (ANC), and Josh Brekken, 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 rain and cool.

On the afternoon of May 4, Mr. Brekken and I drove the 1100 Road near mile post (MP) 7.3 to Stream No. 252-33-10010-2006-3007. The stream is on land managed by ANC. An ANC employee reported adult steelhead trout were observed in streams along the 1100 Road. We walked about 300 meters above the 1100 Road to a barrier. We did not observe any steelhead trout. We walked about 600 meters below the 1100 Road and did not observe any steelhead trout (Figure 1).

We drove the 1100 Road to MP 7.5 to Stream No. 251-82-10050-2039. We walked about 150 meters above the 1100 Road to a beaver pond. We did not observe any steelhead trout.

On the morning of May 5, Mr. Brekken and I drove the 900 Road to Stream No. 252-32-10008. Koncor reported that a barrier to fish passage is located about 800 meters below the specified reach. I sampled the stream above and below the 900 Road in 2012 and 2014 and did not capture or observe any adult or juvenile salmon. Mr. Brekken and I walked down the stream below the 900 Road to the beach and located an 8-foot high barrier and a 6-foot high barrier about 515 meters upstream of the beach (Figure 2). About 350 meters above the beach we observed about 100 young-of-year pink salmon in pool habitat (Figure 3). I used a Garmin hand held GPS to correct the location of the stream below the barrier. The young-of-year pink salmon, correct stream location, and barrier to fish passage will be nominated for update to the Anadromous Waters Catalog.

We drove the 1100 Road to MP 7.5, to Stream No. 251-82-10050-2039. We set 4 baited minnow traps in a beaver pond above the specified reach. The traps soaked about 24 hours. The traps captured 3 Dolly Varden (100-120 mm Fork Length (FL)).

We drove the 1100 Road to Discoverer Bay and met Mr. Harris at Unit 11. The unit is on land managed by Koniag, Inc. 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 4). I will return in late summer to determine if adult salmon are present in the pond.

We drove to Stream No. 251-82-10070 located in Unit 7. Mr. Harris requested we determine if barriers are located above the specified reach of Stream Nos. 251-82-10070-2231, 251-82-10070-2231-3006, 251-82-10070-2251, 251-82-10070-2251, and 251-82-10070-2261. We determined the upper extent of suitable fish habitat ends in muskeg meadows above the specified reaches, and I collected a GPS location of the end of suitable fish habitat for each stream (Figure 5). We used an electrofisher to sample Stream No. 251-82-10070-2231. We captured 2 juvenile coho salmon (55 and 75 mm FL), and 5 Dolly Varden (45-90 mm FL) in the specified reach. We sampled Stream No. 251-82-10070-2251. We captured 2 juvenile coho salmon (55 mm FL) in the specified reach. The juvenile coho salmon will be updated for backup information to the Anadromous Waters Catalog.

On the morning of May 6, Mr. Brekken and I drove the 700 Road to the south end of Portage Lake. We walked about 3 miles north along the east shore of the lake to the lake outlet (Figure 6). We used a Garmin GPS to document 13 tributary streams to Portage Lake that are not specified in the Anadromous Waters Catalog.

We sampled 6 of the Portage Lake tributary streams. The first stream sampled was about 3-feet wide and we sampled about 70 meters of the stream. No fish were captured or observed. The second stream sampled was about 4-feet wide and we sampled about 270 meters of the stream (Figure 7). We captured 3 juvenile coho salmon (55 mm FL) and 1 juvenile rainbow trout (50 mm FL). The third stream sampled was about 4-feet wide and we sampled about 175 meters of the stream. We captured 4 juvenile coho salmon (45-55 mm FL) and 8 Dolly Varden (45-80 mm FL). The fourth stream sampled was about 8-feet wide and we sampled about 60 meters to a 3-foot high barrier. We captured 2 juvenile coho salmon (55 and 65 mm FL), 2 juvenile rainbow trout (65 mm FL), and 5 Dolly Varden (40-85 mm FL). The fifth stream sampled was about 4-feet wide and we sampled about 130 meters of the stream (Figure 8). We captured 2 juvenile coho salmon (55 and 85 mm FL). The sixth stream sampled was about 6-feet wide and we sampled about 150 meters of the stream. We captured 8 juvenile coho salmon (55-70 mm FL). The 5 streams where we captured juvenile coho salmon will be nominated to the Anadromous Waters Catalog. The remaining 7 tributary streams will be sampled in the summer of 2015.

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

Figure 1. Mr. Brekken looking for adult steelhead trout in Stream No. 252-33-10010-2006-3007.

Figure 2. Eight foot high barrier in Stream No. 252-32-10008.

Figure 3. Young-of-year pink salmon in Stream No. 252-32-10008.

Figure 4. Beaver dam at outlet of lake in Unit 11, Discoverer Bay.

Figure 5. Typical muskeg habitat adjacent to Stream No. 251-82-10070-2261.

Figure 6. Portage Lake, view looking northeast.

Figure 7. Second tributary stream of Portage Lake.

Figure 8. Fifth tributary stream of Portage Lake.

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