



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 NW

Anadromous Waters Catalog Number of Waterway 252-33-10020-2005

Name of Waterway Little Danger Creek USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>150031</u>	<u>James J. Hasbrouck</u> Fisheries Scientist	<u>5/8/2015</u> Date
Revision Year: <u>2016</u>	<u>Will Frost</u> Habitat Operations Manager	<u>5/8/15</u> Date
Revision to: Atlas _____ Catalog _____ Both <u>X</u>	<u>JP</u> AWC Project Biologist	<u>4/23/15</u> Date
Revision Code: <u>A-1, B-2, B-6, E-9</u>	<u>[Signature]</u> Cartographer	<u>5 2015</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho Salmon (4)	10/14/2014		X		<input checked="" type="checkbox"/>
Dolly Varden	10/14/2014			X	<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 an joint AKSSF stream survey, I captured juvenile coho salmon above the specified reach (Figure 1, IDENT 417). See the October 13-15, 2014 trip report.
Extend creek w/ coho salmon rearing. add barrier

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

Signature: [Signature] Date: 10/27/2014

Agency: ADF&G, Division of Habitat **ALASKA DEPT. OF FISH & GAME**

Address: 333 Raspberry Road
Anchorage, AK 99518 OCT 30 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): _____

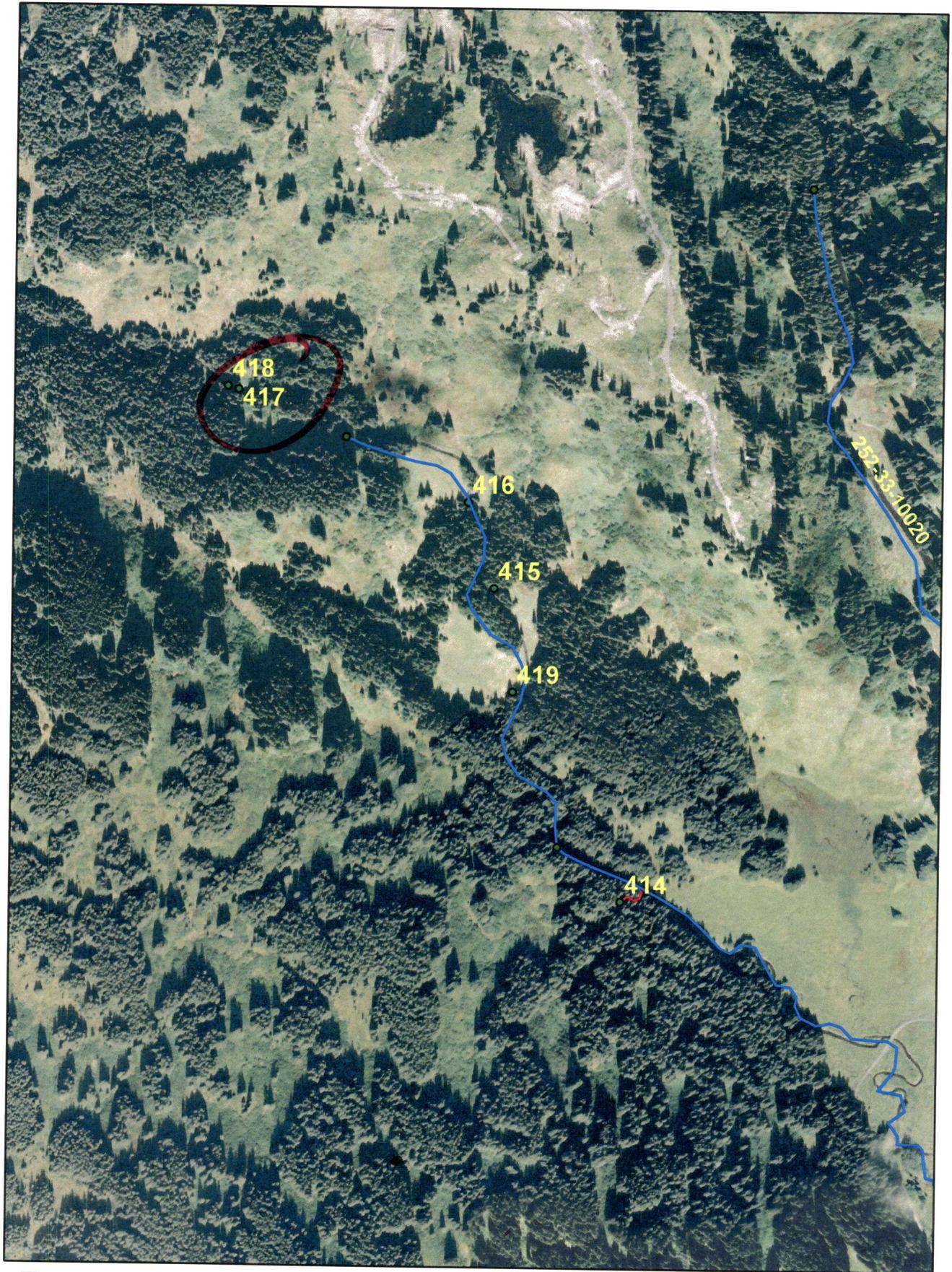


Figure 1

0 80 160 320 480 640 Meters

ADF&G

MEMORANDUM

State of Alaska

Department of Fish and Game
Division of Habitat

TO: Michael Daigneault
Central Region
Regional Supervisor

DATE: October 30, 2014

PHONE NO: 267-2813

FROM: Will Frost *WF*
Habitat Biologist

SUBJECT: AKSSF AWC Survey: Afognak Island
October 2014

On October 13 through 15, 2014, I joined Butch McGarvran, Afognak Native Corporation (ANC), Keith Coulter, Koncor, and William Gaeuman, Alaska Department of Fish and Game 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 cloudy and cool.

On the morning of October 13, Mr. Gaeuman and I drove the 1110 Road to mile post (MP) 1.5. We used an electrofisher to sample Stream No. 252-33-10005 (Figure 1). The stream is located on land managed by ANC. We sampled above the 1110 Road about 480 meters. We located an unnamed tributary with a 4-foot high barrier near the outlet (Figure 2). The Anadromous Waters Catalog indicates the unnamed tributary is Stream No. 252-33-10005. We sampled 252 meters above the barrier and 300 meters of two additional tributaries above the barrier. No fish were captured or observed. We determined the stream reach above the barrier does not support anadromous fish. We returned to the main stream and sampled about 1,600 meters of new habitat above the unnamed tributary. We captured 23 juvenile coho salmon (65-100 mm Fork Length (FL)) and 15 Dolly Varden (55-120 mm FL). We ended our sampling in a burned over unit (Figure 3). The unnamed tributary above the barrier will be reclassified as not supporting fish and removed from the Anadromous Waters Catalog. The main stream channel above the unnamed tributary will be nominated to the Anadromous Waters Catalog; coho salmon rearing will also be nominated for Stream No. 252-33-10005.

We walked downstream and sampled 81 meters of an unnamed tributary to Stream No. 252-33-10005. We ended our sampling at a spring. We captured 3 juvenile coho salmon (68-85 mm FL). We sampled 262 meters of an additional unnamed tributary to the main stream. We ended our sampling where the stream gradient became a barrier. We captured 8 juvenile coho salmon (65-100 mm FL). The two unnamed tributaries to Stream No. 252-33-10005 will be nominated to the Anadromous Waters Catalog.

On the morning of October 14, Mr. McGarvran, Mr. Gaeuman, and I drove the 1110 Road to Stream No. 252-33-10020-2005 located in Danger Meadows (Figure 4). The stream is on lands managed by ANC and Koncor. We walked about 525 meters above the 1110 Road and located an unnamed tributary. We sampled 61 meters. We captured 4 Dolly Varden (90-150 mm FL). We continued walking up Stream No. 252-33-10020-2005 and located a 3-foot high barrier. We sampled about 970 meters above the barrier and captured 7 juvenile coho salmon (65-85 mm FL) and 10 Dolly Varden (50-200 mm FL). We ended our sampling at a 20-foot high barrier located about 250 meters above the upper extent of the specified stream reach (Figure 5). The additional stream reach and juvenile coho salmon will be nominated to the Anadromous Waters Catalog.

We drove the 1110 Road to MP 5.3 and drove down a closed spur road into Unit 89-24 on land managed by ANC. We located an unnamed stream that flows under the spur road through a perched 32-inch culvert (Figure 6). We walked 838 meters down the stream to Kazakof Bay looking for adult pink salmon. We observed juvenile salmonids in pool habitat. No adult pink salmon were observed. Under AS 16.05.841, the perched culvert may not provide fish passage. The perched culvert will be required to be removed within 12 months.

We drove the 1110 Road to MP 6.0. We walked from the road down Stream No. 252-33-10025 about 250 meters to Kazakof Bay. I used a hand held GPS to map the correct location of the stream. The correct stream location will be nominated for update to the Anadromous Waters Catalog.

We walked along shoreline of Kazakof Bay to Stream No. 252-33-10024. We walked 491 meters up the stream to the 1110 Road near MP 5.8. I used a GPS to map the correct stream location. The specified reach ends at the 1110 Road. At the 1110 Road the stream flows through a failed 24-inch diameter culvert. Much of the stream was flowing under the culvert. Under AS 16.05.871, the failed culvert may not provide fish passage. The failed culvert will be required to be replaced with a log culvert within 12 months. The correct stream location will be nominated for update to the Anadromous Waters Catalog.

We drove the 1110 Road to MP 6.4. We walked down Stream No. 252-33-10027. The Anadromous Waters Catalog depicts the upper extent of the specified reach ending about 35 meters below the 1110 Road. We located a series of 20-foot high barriers about 200 meters below the 1110 Road. The correct upper extent of the specified reach will be nominated for update to the Anadromous Waters Catalog.

On the morning of October 15, Mr. Coulter, Mr. Mr. Gaeuman, and I drove the 1100 Road to Little Portage Creek (Stream No. 251-82-10050-2005). The stream is on land managed by Koncor. A 10-foot and 15-foot high barrier is located about 325 meters below the 1100 road (Figures 7 and 8). The specified reach above the barrier was sampled in September 2014 and Dolly Varden were captured above the barrier. No anadromous fish were captured or observed during the sampling effort. During the October survey, we walked from the 1100 Road down to the barriers. No adult salmon were observed. The specified reach above the barrier will be reclassified as resident fish habitat and updated to the Anadromous Waters Catalog.

This was the final sampling effort on Afognak Island under this project.



Figure 1. Stream No. 252-33-10005. View looking upstream.

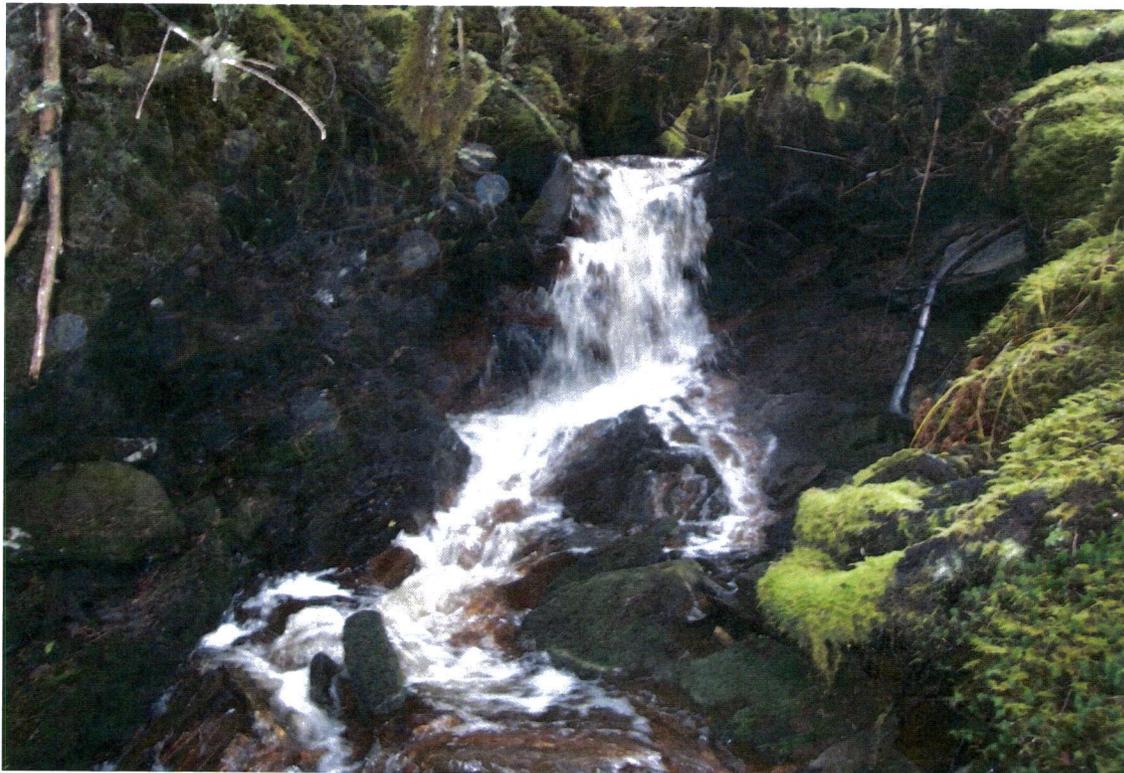


Figure 2. Barrier on unnamed tributary to Stream No. 252-33-10005. View looking upstream.



Figure 3. Stream No. 252-33-10005. View looking upstream.



Figure 4. Danger Meadows. View to north.



Figure 5. Barrier on Stream No. 252-33-10020-2005. View looking upstream.



Figure 6. Perched culvert located in Unit 89-24. View looking upstream.

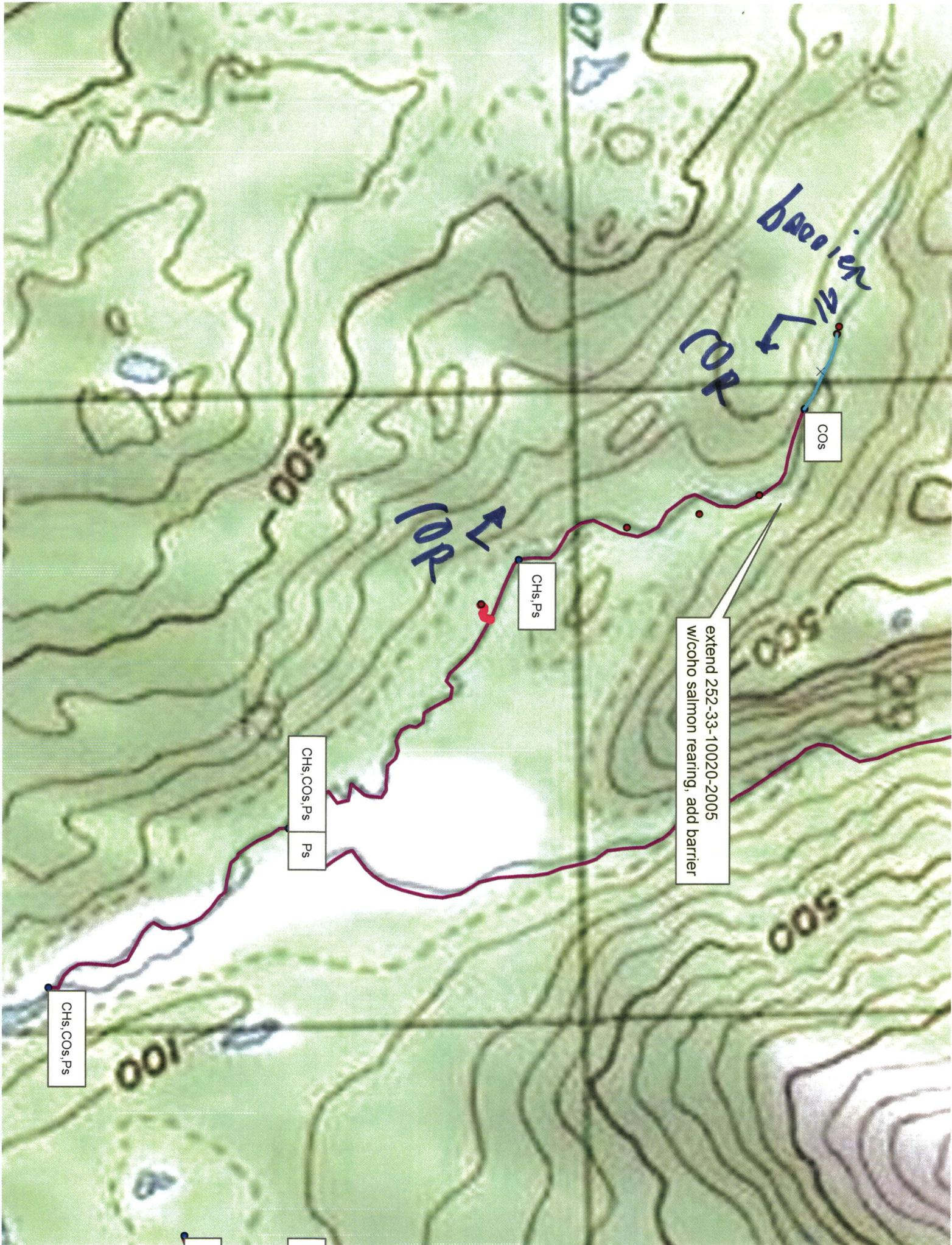


Figure 7. Ten foot high barrier on Little Portage Creek.



Figure 8. Fifteen foot high barrier on Little Portage Creek.

cc: S. Schrof, ADF&G
N. Svoboda, ADF&G
D. Tracy, ADF&G
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C. Curtis, ADF&G
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J. Winters, ADOF
B. Cassidy, KIB
B. Scholze, KIB
K. Coulter, Koncor
G. Harris, ANC
T. Rackley, ANC
N. Lepschat, TransPac
D. Pluard, Evergreen Timber



extend 252-33-10020-2005
w/coho salmon rearing, add barrier

COS

CHs, Ps

CHs, COs, Ps
Ps

CHs, COs, Ps

barrier

COR

COR

500

500

500

100