



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 252-31-10020  
 Name of Waterway Unnamed Stream  USGS Name  Local Name  
 Addition  Deletion  Correction  Backup Information

For Office Use

Nomination # <u>120237</u>	<u>[Signature]</u> Fisheries Scientist	<u>9/11/12</u> Date
Revision Year: <u>2013</u>	<u>[Signature]</u> Habitat Operations Manager	<u>9/4/12</u> Date
Revision to: Atlas _____ Catalog _____ Both <u>✓</u>	<u>[Signature]</u> AWC Project Biologist	<u>7/5/12</u> Date
Revision Code: <u>D-1, E-9</u>	<u>[Signature]</u> Cartographer	<u>9/17/12</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
	6/15/2012				<input 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 joint Koncor sampling, I located a 12-foot high barrier 300 feet above the 200 Road. The barrier is a blockage to adult and juvenile fish. See the June 13-15, 2012 Trip Report.  
add barrier and short stream - retain species.

Name of Observer (please print): Will Frost, Habitat Biologist Date: 7/3/2012  
 Signature: [Signature]  
 Agency: ADF&G, Division of Habitat  
 Address: 333 Raspberry Road  
Anchorage, AK 99518

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

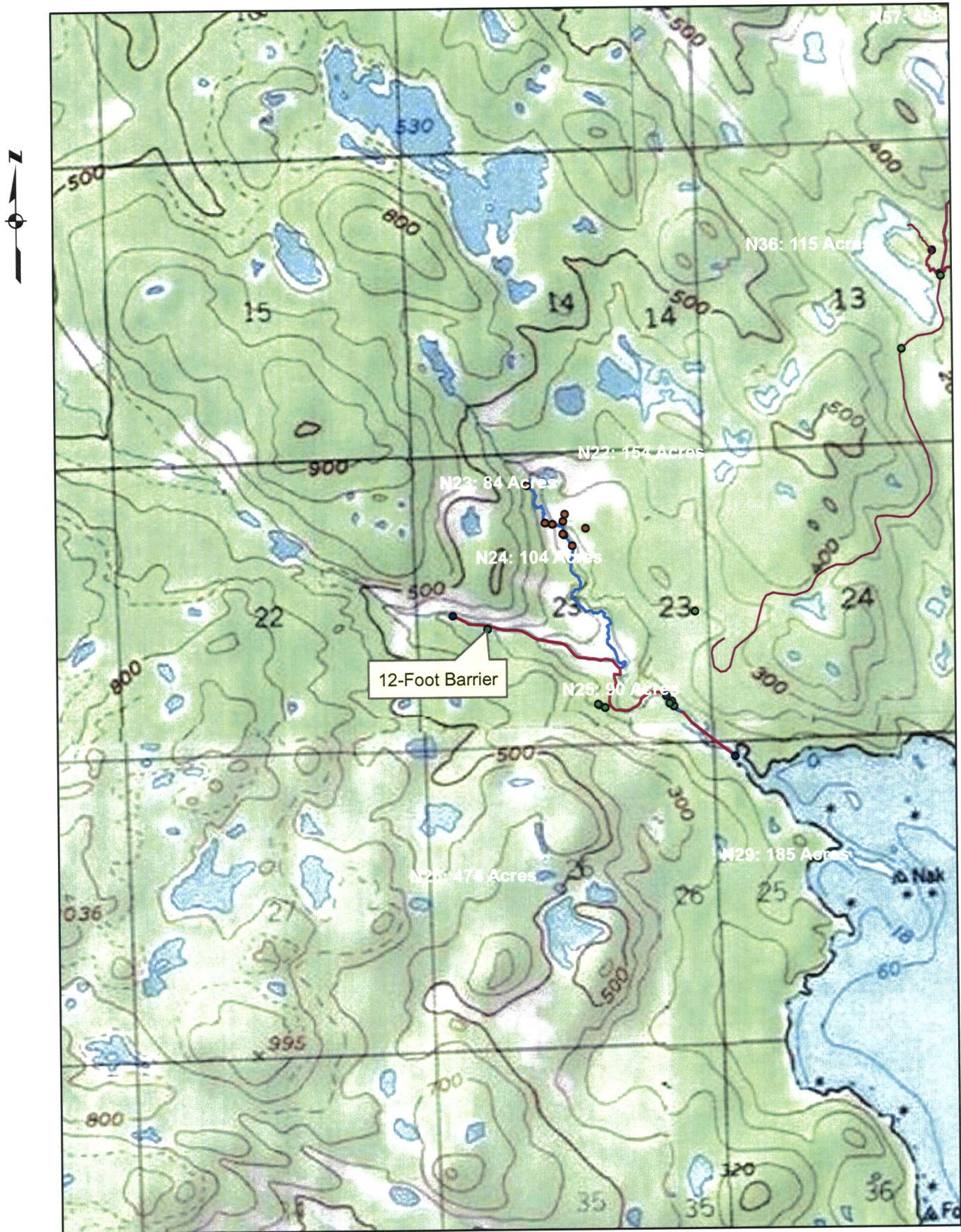


Figure 1

ADF&G



# MEMORANDUM

State of Alaska

Department of Fish and Game  
Division of Habitat

TO: Michael Daigneault  
Central Region  
Regional Supervisor

DATE: July 3, 2012

PHONE NO: 267-2813

FROM: Will Frost  
Habitat Biologist

SUBJECT: AKSSF AWC Survey: Afognak Island

On June 13 to 15, 2012, I joined Keith Coulter, Koncor, Greg Harris, Afognak Native Corporation (ANC), and Paul Blanche, 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 also afforded additional protection under State law at AS 16.05.871. The weather conditions were a mixture of rain and cool becoming sunny and mild.

On June 13, 2012, Mr. Harris, Mr. Blanche and I drove from the Evergreen Camp to the 1100 Road mile post 2.5 Spur Road. We located Stream No. 252-33-10010-2007 that flows into Cold Creek (Stream No. 252-33-10010). The headwater end point location of the stream depicted in the Anadromous Waters Catalog is incorrect. At about 2:00 p.m., Mr. Blanche and I walked down the stream below the spur road using an electrofisher to sample the stream. I used a hand held Garmin Global Positioning System (GPS) unit to locate the correct headwater end point adjacent to the road and the true stream course to Cold Creek. The true end point location for the stream is located at Section 3, Township 23 South, Range 20 West, Seward Meridian (Figure 1). Sampling below the spur road captured 6 juvenile coho salmon (55 to 85 mm fork length (FL)) and 10 Dolly Varden (55 to 100 mm FL). We walked back to the spur road and sampled above the specified end point an additional 1,500 linear feet (Figure 2). Sampling above the road captured 9 juvenile coho salmon (45 to 65 mm FL) and 25 Dolly Varden (45 to 90 mm FL). We ended our sampling when no additional coho salmon were captured. The corrected stream location and additional specified stream reach will be nominated to the Anadromous Waters Catalog.

On the morning of June 14, 2012, Mr. Harris, Mr. Blanche, and I drove to the 1100 Road. ANC is planning to harvest units in the Discoverer Bay watershed. We located a 4-foot wide unnamed stream that may be Stream No. 251-82-10057-2009. The stream flows under the 1100 Road through a 24-inch diameter culvert. The stream enters Stream No. 251-82-10057-2005 about

670 feet below the 1100 Road at Section 34, Township 21 South, Range 19 West, Seward Meridian. I plan to return to this stream to determine if this is a new stream, or if Stream No. 251-82-10057-2009 is incorrectly located as a tributary to Stream No. 251-82-10057. I sampled the stream from the confluence of Stream No. 251-82-10057-2005 upstream, about 600 linear feet. I captured 5 Dolly Varden. No length measurements were taken for the Dolly Varden. I sampled Stream No. 251-82-10057-2005 from the confluence with the previous stream up to the 1100 Road. The average channel width is about 5 feet. Sampling below the road captured 5 juvenile coho salmon (70 mm FL) and 10 Dolly Varden (30-80 mm FL). The location of the stream depicted in the Anadromous Waters Catalog is incorrect. I used a hand held Garmin GPS unit to identify the correct location. The stream is located at Section 34, Township 21 South, Range 19 West, Seward Meridian. The stream flows through the 1100 Road in a perched 42-inch diameter culvert (Figure 3). In accordance with Alaska Statute (AS) 16.05.871, the culvert must be replaced with a log bridge designed for fish passage. A Fish Habitat Permit will be required to replace the culvert. Because the culvert is a barrier to fish passage, we did not sample above the 1100 Road.

We drove to Stream No. 251-82-10070. We sampled about 675 linear feet of a five-foot wide unnamed tributary to the stream at Section 23, Township 21 South, Range 19 West, Seward Meridian. Sampling captured 30 Dolly Varden (30 to 90 mm FL). No salmon were captured or observed. We located a 10-foot high barrier below a proposed harvest unit (Figure 4). We ended our sampling effort below the barrier.

We drove a number of spur roads in the Stream No. 251-82-10070 watershed to become familiar with the area. ANC has requested the ADF&G sample any tributaries to the stream for future harvest planning. We will begin sampling the remainder of the watershed during our July site visit.

On the morning of June 15, Mr. Coulter, Mr. Blanche and I drove to the end of the maintained 200 Road. We walked a section of the closed 200 Road to Stream No. 252-31-10020. We located a perched 42-inch diameter culvert with the inlet partially buried in gravel (Figure 5). In accordance with AS 16.05.871, the culvert must be removed or if the road is reopened, a bridge must be installed designed for fish passage. A Fish Habitat Permit will be required to remove or replace the culvert. About 300 feet above the road we located a 12-foot high barrier. The barrier is a blockage to adult and juvenile fish. The barrier location will be nominated to the Anadromous Waters Catalog as the new end point of the specified waterbody.

We walked down the stream about 4,500 linear feet to Izhut Bay. We located a 4 foot wide unnamed stream adjacent to the confluence of Stream No. 252-31-10020. The stream is located at Section 23, Township 22 South, Range 19 West, Seward Meridian (Figure 6). We sampled about 100 linear feet of the stream to the base of a 7-foot high barrier. The barrier is a blockage to adult and juvenile fish. Sampling below the barrier captured 5 juvenile coho salmon (20 mm FL) and 1 Dolly Varden, and 30 sculpin. No length measurements were taken for the Dolly Varden and sculpin. The new stream will be nominated to the Anadromous Waters Catalog.

We walked back upstream about 1,200 linear feet to a 10-foot wide unnamed tributary located on the north side of Stream No. 252-31-10020. The stream is located at Section 23, Township 22

South, Range 19 West, Seward Meridian. We sampled about 150 linear feet to the base of 7-foot high barrier. The barrier is a blockage to adult and juvenile fish. Sampling below the barrier captured 1 Dolly Varden (85 mm FL) and 10 sculpin. No length measurements were taken for the sculpin. No salmon were captured or observed.

We walked up Stream No. 252-31-10020 to the confluence with the tributary of the unnamed stream that was located during our May 2012 survey. We walked up the stream 3,200 linear feet to the 200 Road. I used a hand held Garmin GPS unit to locate the correct confluence point and the true stream course to the 200 Road. The correct stream course will be nominated to the Anadromous Waters Catalog.

The ADF&G is currently planning on returning to Afognak for a sampling effort on July 9 through 11, 2012.



Figure 1. Stream No. 252-33-10010-2007.



Figure 2. Upstream view of the new reach to be nominated to the Anadromous Waters Catalog.

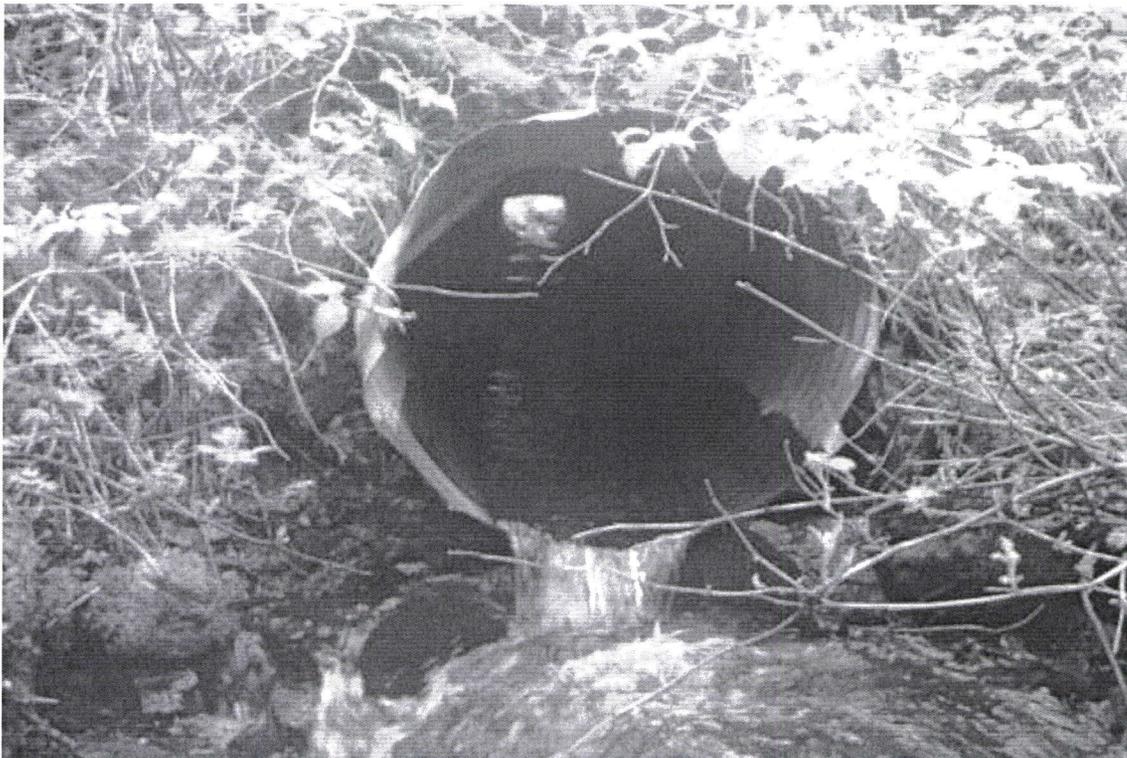


Figure 3. Outlet of perched culvert in Stream No. 251-82-10057-2005.



Figure 4. Barrier in unnamed tributary to Stream No. 251-82-10070.

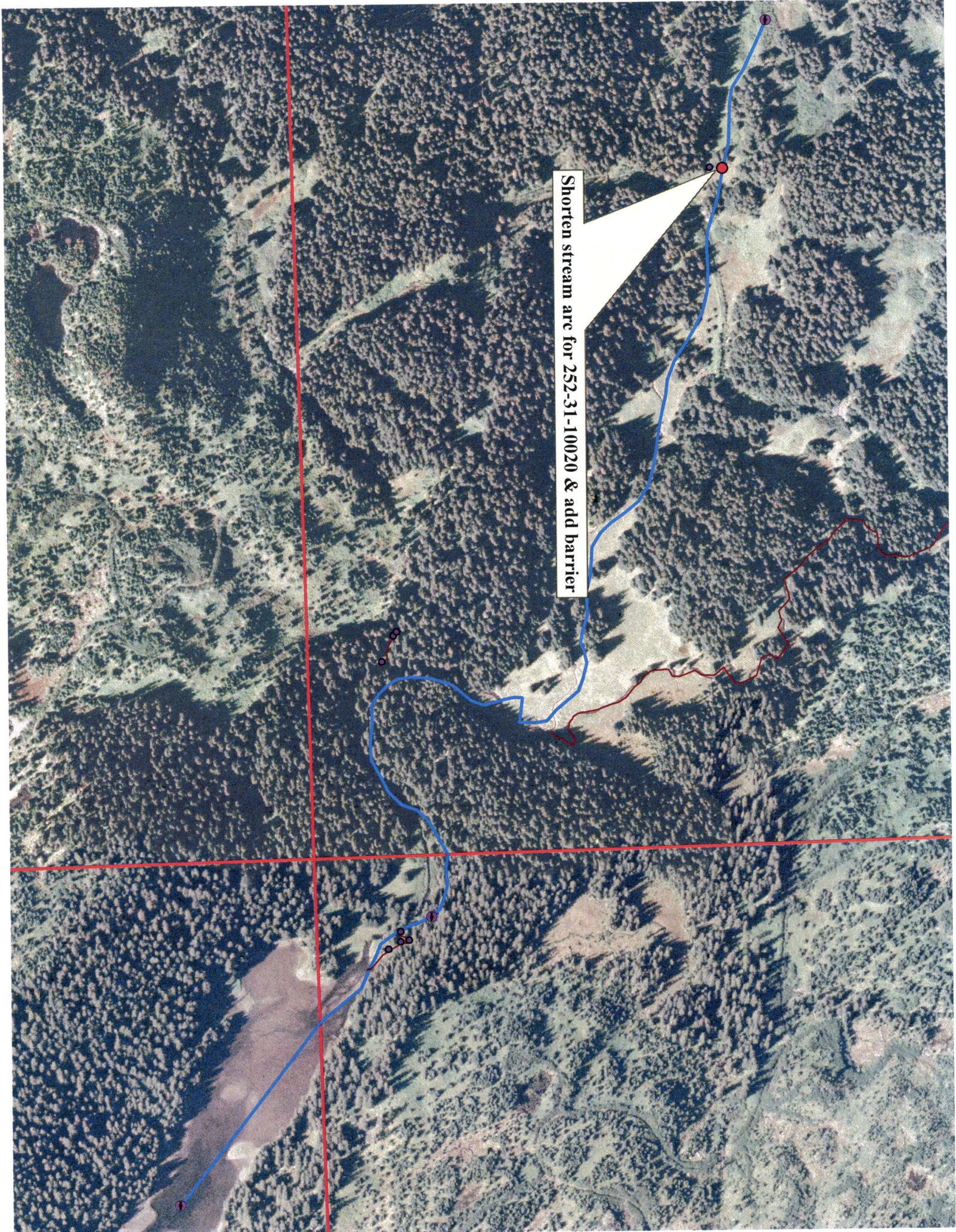


Figure 5. Inlet view of culvert located in Stream No. 252-31-10020 on the closed 200 Road.



Figure 6. New stream that flows into Izhut Bay. View looking downstream.

- cc: S. Schrof, ADF&G  
L. Van Daele, 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



Shorten stream arc for 252-31-10020 & add barrier