



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

Nomination Form
Anadromous Waters Catalog

11

Region Southwest USGS Quad(s) Afognak A-2
 Anadromous Waters Catalog Number of Waterway 252-32-10004 - 0010
 Name of Waterway Unnamed Stream Duck Bay USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>120305</u>	<u>[Signature]</u> Fisheries Scientist Date <u>9/4/12</u>
Revision Year: <u>2013</u>	<u>[Signature]</u> Habitat Operations Manager Date <u>9/4/12</u>
Revision to: Atlas _____ Catalog _____ Both <u>X</u>	<u>[Signature]</u> AWC Project Biologist Date <u>8/27/12</u>
Revision Code: <u>D-1, E-9, C-9</u> <u>D-2</u>	<u>[Signature]</u> Cartographer Date <u>9/12/12</u>

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Dolly Varden	8/7/2012			X	<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

I used a Garmin GPS to correct the stream location. A beach berm and log jam are blocking fish passage in two locations. See the August 6-8, 2012 Trip Report.

Shanta stream to ≤660ft, revise hydrography
Delete lake. (barrier below lake)

Name of Observer (please print): Will Frost, Habitat Biologist
 Signature: [Signature] Date: 8/16/2012
 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: _____
 Name of Area Biologist (please print): _____ Revision 05/08

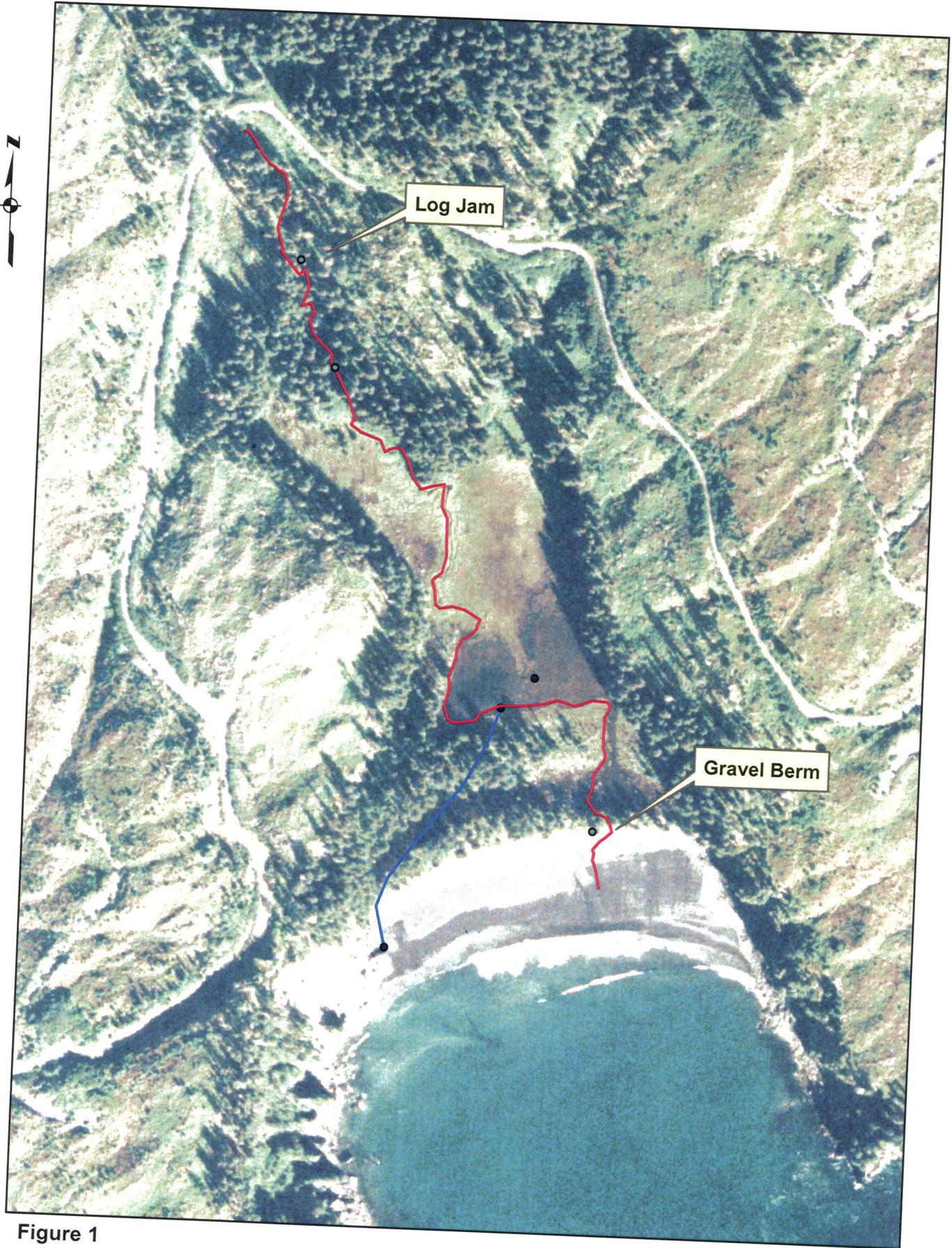


Figure 1

0 0.02 0.04 0.08 0.12 0.16 Miles

ADF&G



Figure 2



ADF&G

MEMORANDUM

State of Alaska

Department of Fish and Game
Division of Habitat

TO: Michael Daigneault
Central Region
Regional Supervisor

DATE: August 15, 2012

PHONE NO: 267-2813

FROM: Will Frost *WF*
Habitat Biologist

SUBJECT: AKSSF AWC Survey: Afognak Island
August 2012

On August 6 to 8, 2012, I joined Keith Coulter, Koncor, Greg Harris and Brent Bybee, Afognak Native Corporation (ANC), and Lisa Fox, 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 a mixture of cloudy and fog becoming partly sunny and warm.

On August 6, 2012, Mr. Bybee, Ms. Fox, and I drove from the Evergreen Camp to Stream No. 251-82-10070. We walked to the upper end of the reach that I sampled during my July sampling effort. I used an electrofisher to sample the stream moving upstream (Figure 1). I located a 1-foot wide tributary stream located at Section 23, Township 21 South, Range 19 West, Seward Meridian. The stream did not have sufficient water to sample. Because I did not observe any barriers, the tributary stream will need to have a riparian retention area during timber harvest activities. I sampled about 1,500 linear feet of Stream No. 251-82-10070 and captured 3 juvenile coho salmon (40 to 110 mm fork length (FL)) and 25 Dolly Varden (20 to 105 mm FL).

On the morning of August 7, Mr. Coulter, Ms. Fox, and I drove to the 710 Road and sampled two unnamed tributaries to Upper Portage Lake (Lake No. 251-82-10050-0030 (Figure 2)). I observed about 25 juvenile coho salmon in the stream that flows directly into Upper Portage Lake. I used a hand held Garmin Global Positioning System (GPS) unit to map the stream course of the sampled 2,500 foot reach. The stream is located at Section 26, Township 22 South, Range 20 West, Seward Meridian. We sampled about 500 linear feet of a tributary to the first stream. We captured 25 juvenile coho salmon (30-40 mm FL (Figure 3)). A beaver dam was located at the upper end of the stream reach. I sampled above the beaver dam. No coho salmon were captured or observed above the beaver dam. The two streams will be nominated to the Anadromous Waters Catalog.

We drove the 900 Road to Stream No. 252-32-10004. The stream flows into Duck Bay. A 48-inch diameter culvert is located under the road (Figure 4). The culvert length, diameter and slope are a barrier to fish passage. A damaged log structure that was installed to backwater the culvert outlet was located below the culvert (Figure 5). We walked downstream about 2,700 linear feet to the ocean. I used a hand held GPS unit to map the stream course. We encountered heavy blow down from previous timber harvest activity. The blow down created a log jam that is a barrier to fish passage. At the beach we located a beach berm consisting of gravel and logs (Figure 6). The stream is flowing through the berm and the beach berm is a barrier to fish passage. No work will be required to replace the culvert as long as the log jam and beach berm block fish passage. The corrected stream course will be updated to the Anadromous Waters Catalog.

On the morning of August 8, Mr. Bybee, Ms. Fox and I returned to Stream No. 251-82-10070. We continued sampling the stream from the point where we stopped on August 6 (Figure 7). We sampled moving upstream. We captured 5 juvenile coho salmon (40 to 110 mm FL) and 30 Dolly Varden (65 to 110 mm FL (Figure 8)). We located two tributary streams at Section 26, Township 21 South, Range 19 West, Seward Meridian (Figure 9). We captured 3 juvenile coho salmon in the first stream and seven juvenile coho salmon in the second stream (45 to 50 mm FL). Four additional streams were located in the same area but did not have sufficient water to sample. Because I did not observe any barriers, the small streams will need to have a riparian retention area during timber harvest activities. The juvenile coho salmon located in Stream No. 251-82-10070 will be updated to the Anadromous Waters Catalog. The two tributary streams will be nominated to the Anadromous Waters Catalog.

The ADF&G is currently planning on returning to Afognak for a sampling effort on September 4 through 6, 2012.

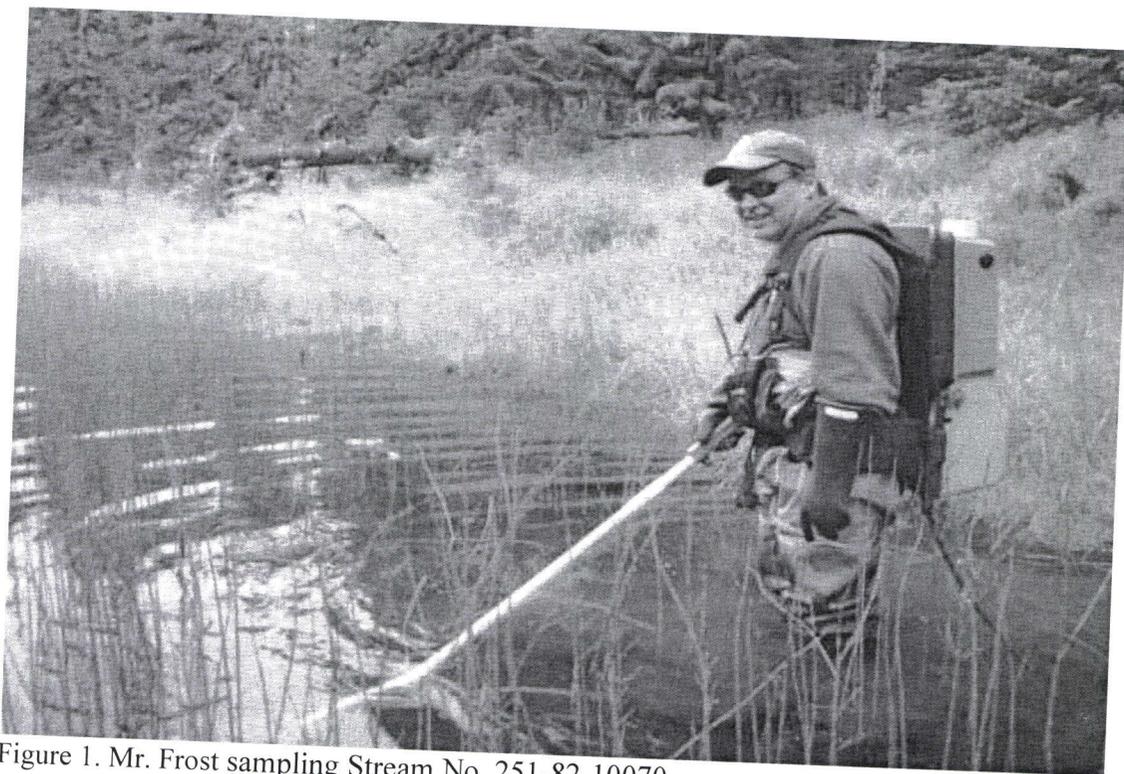


Figure 1. Mr. Frost sampling Stream No. 251-82-10070.



Figure 2. Unnamed tributary to Upper Portage Lake.

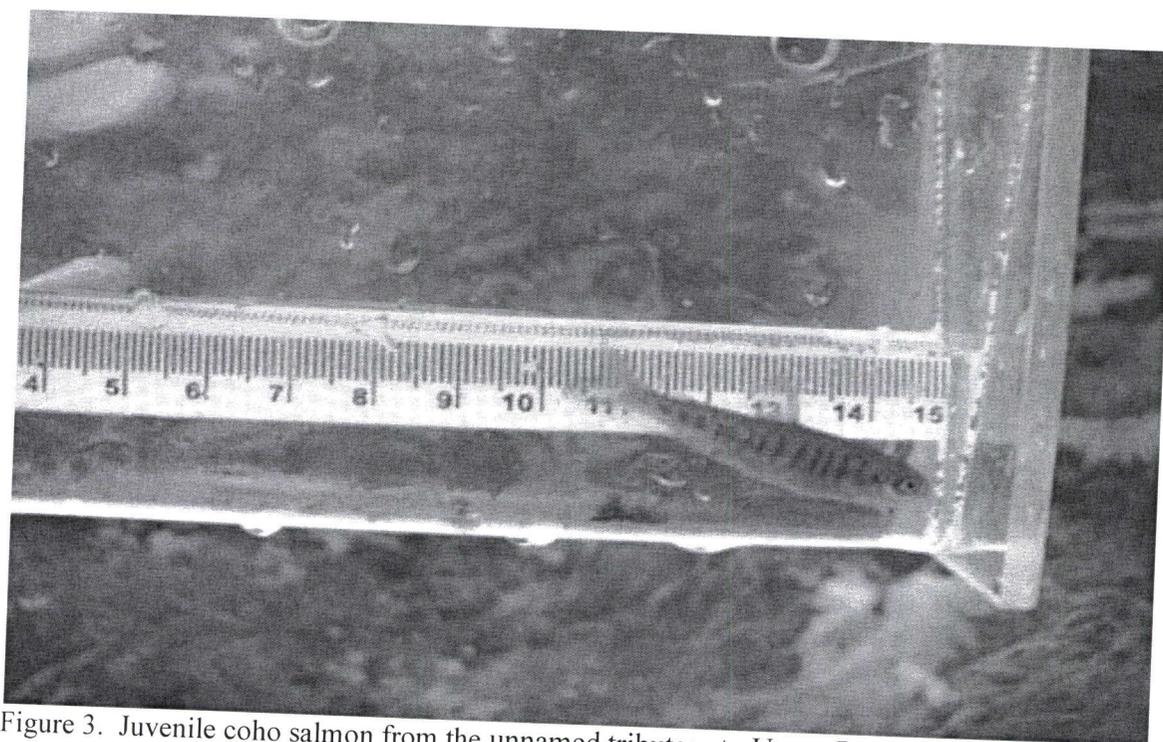


Figure 3. Juvenile coho salmon from the unnamed tributary to Upper Portage Lake.

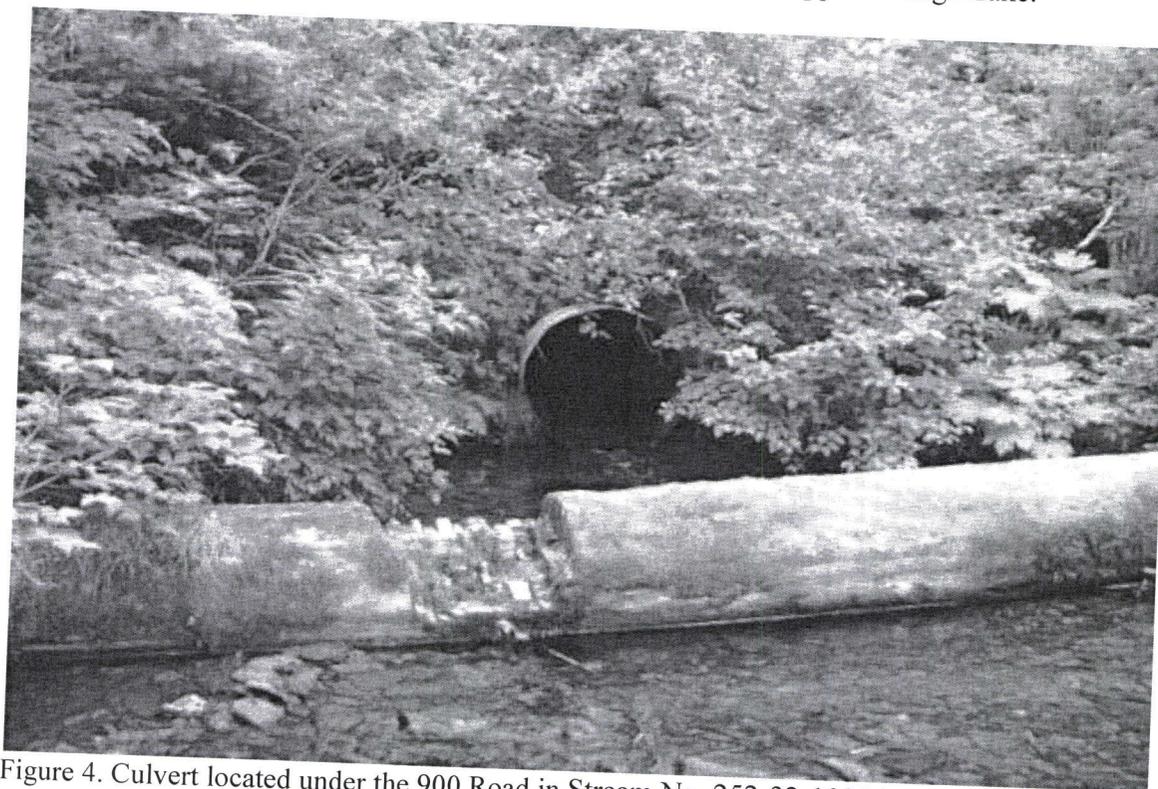


Figure 4. Culvert located under the 900 Road in Stream No. 252-32-10004.

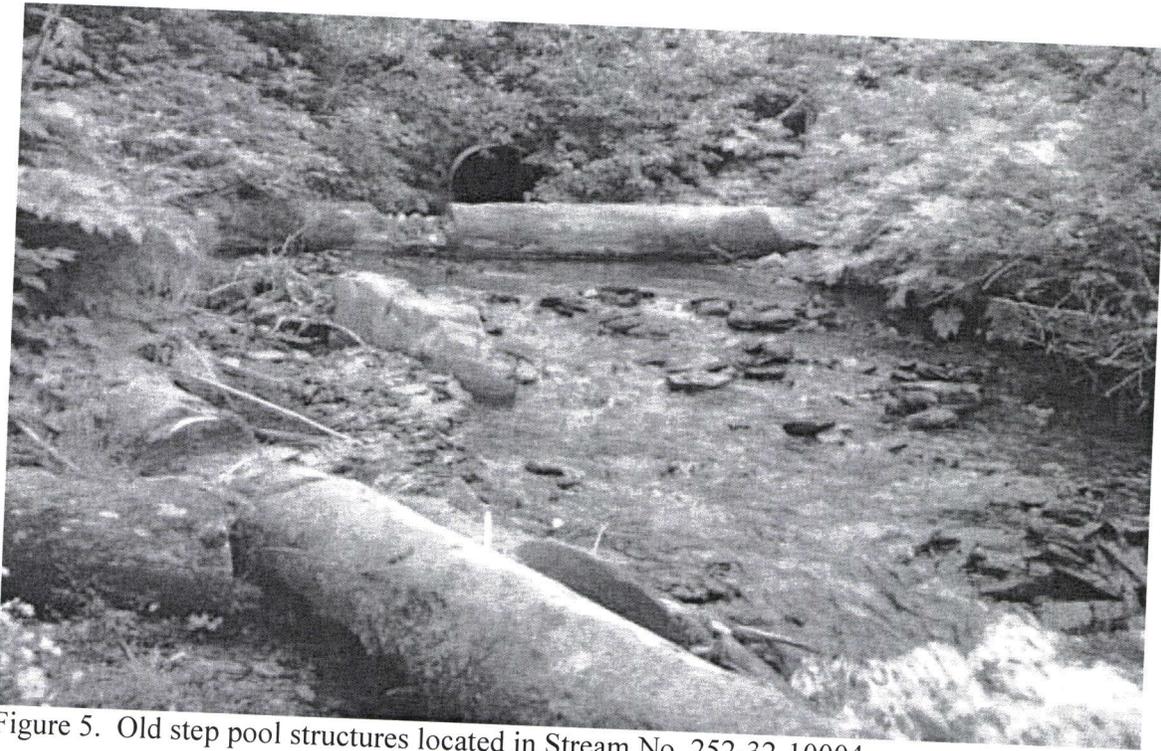


Figure 5. Old step pool structures located in Stream No. 252-32-10004.

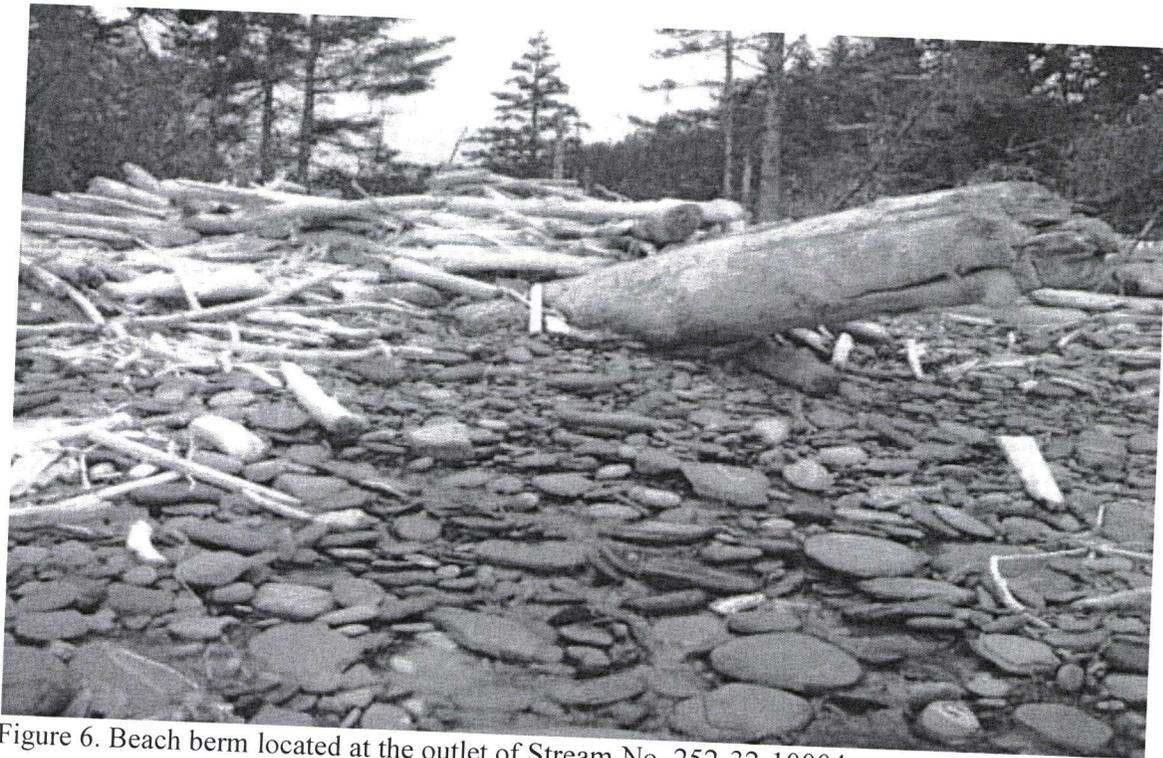


Figure 6. Beach berm located at the outlet of Stream No. 252-32-10004.

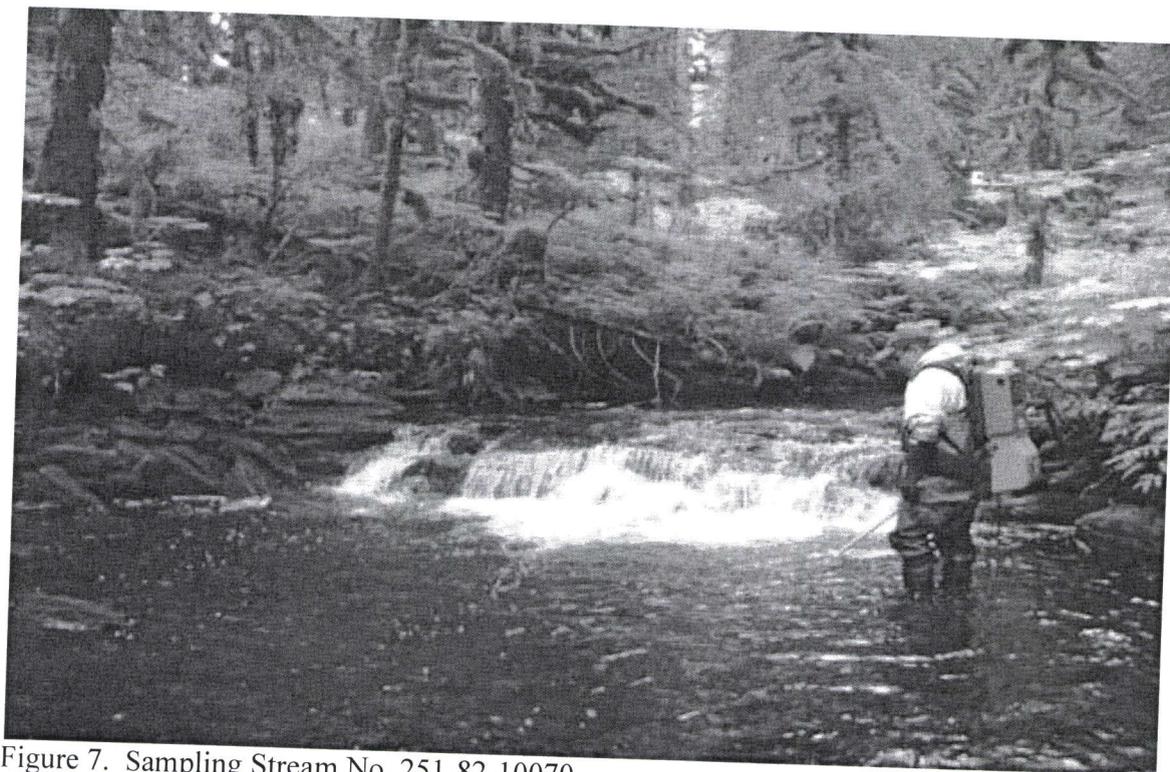


Figure 7. Sampling Stream No. 251-82-10070.

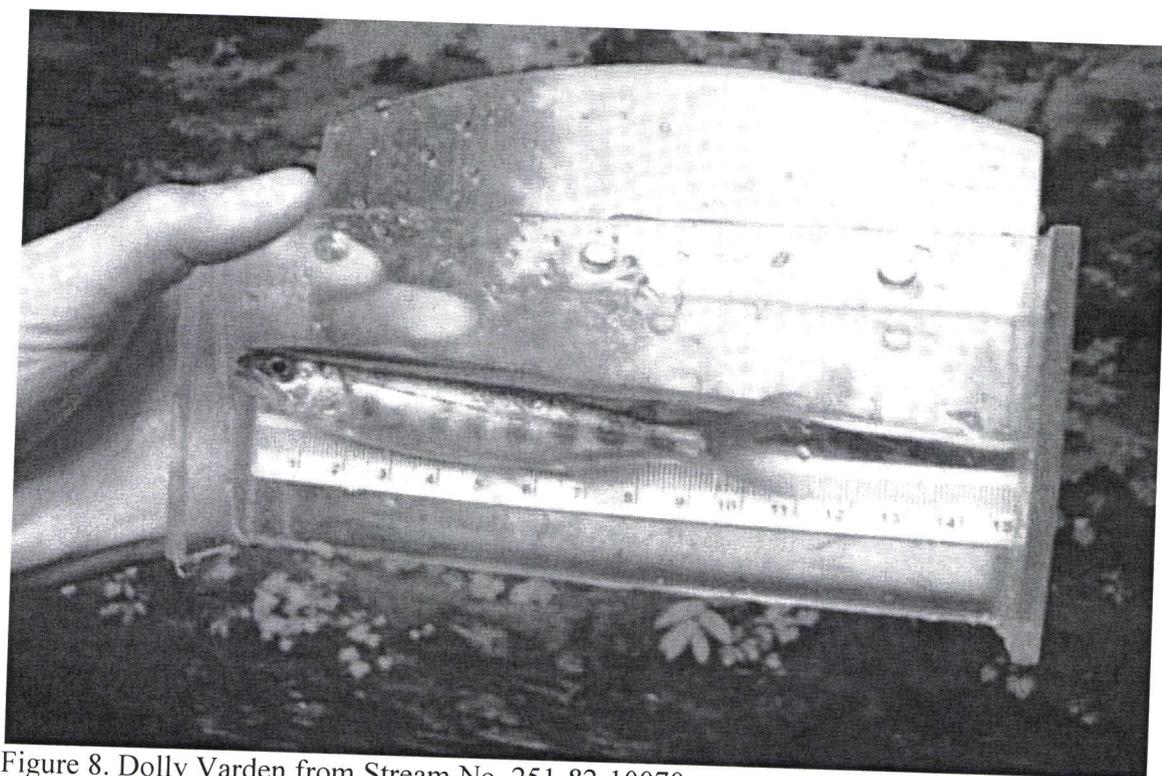


Figure 8. Dolly Varden from Stream No. 251-82-10070.



Figure 9. Sampling unnamed tributary of Stream No. 251-82-10070.

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



revise hydrography for 252-32-10004
shorten stream, add barrier, retain species

COr