



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

Nomination Form
Anadromous Waters Catalog

M *W*

Region Southwest USGS Quad(s) Kodiak C-1
 Anadromous Waters Catalog Number of Waterway 259-25-10040-2010
 Name of Waterway Big Creek USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>130104</u>	<u>[Signature]</u> Fisheries Scientist Date <u>10/29/13</u>
Revision Year: <u>2014</u>	<u>[Signature]</u> Habitat Operations Manager Date <u>10/29/13</u>
Revision to: Atlas _____ Catalog _____ Both <u>Y</u>	<u>[Signature]</u> AWC Project Biologist Date <u>6/24/13</u>
Revision Code: <u>A-1, B-6</u>	<u>[Signature]</u> Cartographer Date <u>11/21/13</u>

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
juvenile Coho Salmon (25)	6/13/2013		X		<input checked="" type="checkbox"/>
Dolly Varden	6/13/2013			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 joint AKSSF and A-1 Timber Consultant sampling, I used an electrofisher in Big Creek in the area of proposed timber harvest activities to document the presence of anadromous fish (Figures 1 through 3). See the June 13 and 14, 2013 Trip Report.

Extend stream w/ Coho Salmon REARING

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

Date: ALASKA DEPT. OF FISH & GAME
JUN 20 2013

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

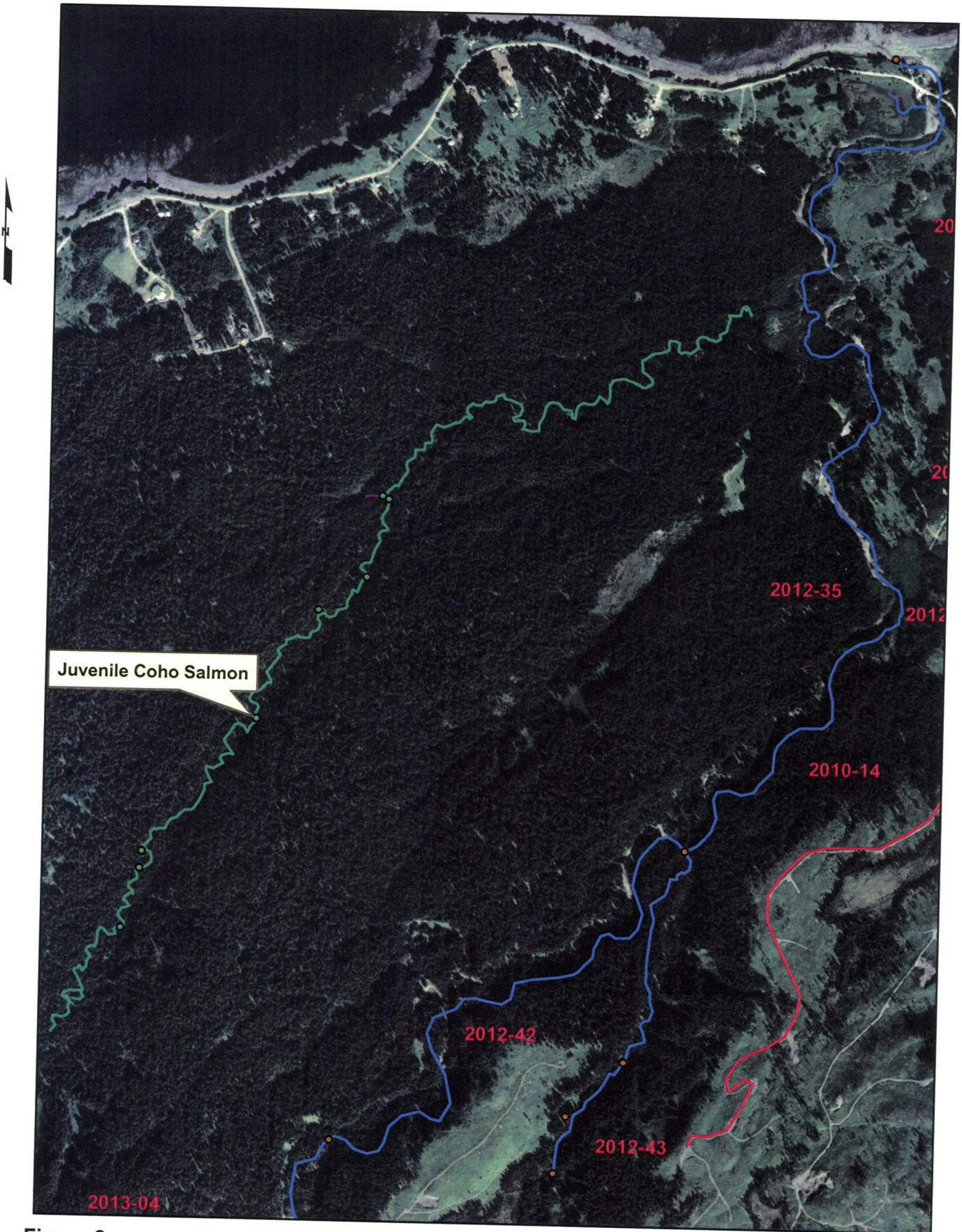


Figure 2

0 0.05 0.1 0.2 0.3 0.4 Miles

ADF&G

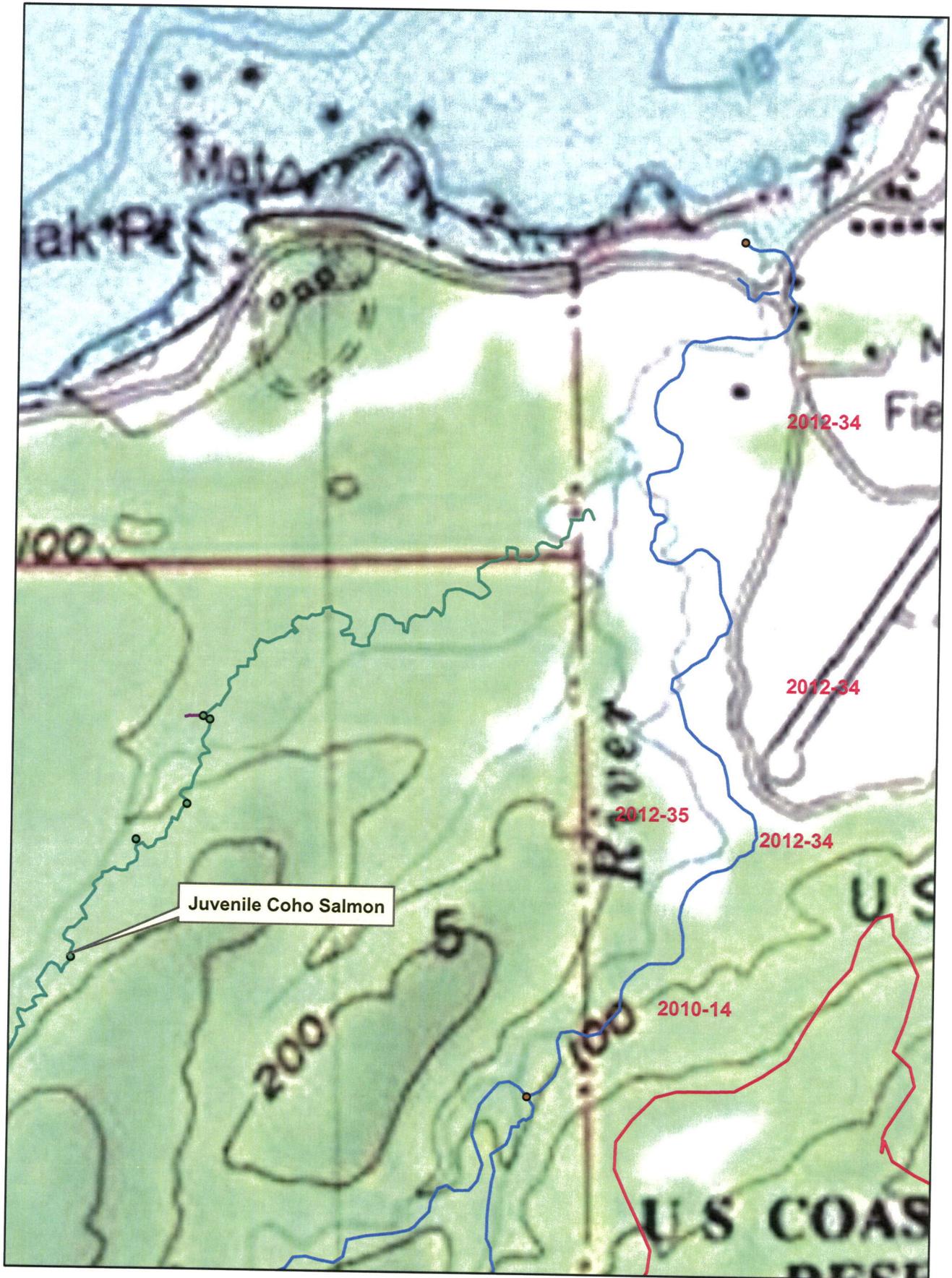


Figure 1



ADF&G

MEMORANDUM

State of Alaska

Department of Fish and Game
Division of Habitat

TO: Michael Daigneault
Central Region
Regional Supervisor

DATE: June 20, 2013

PHONE NO: 267-2813

FROM: Will Frost *WF*
Habitat Biologist

SUBJECT: AKSSF AWC Survey: Kodiak Island
June 2013

On June 13 and 14, 2013, I joined Dave Nesheim, A-1 Timber Consultants (A-1), and Dillon Shults, Alaska Department of Fish and Game (ADF&G) on Kodiak 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 clear, and warm.

On the morning of June 13, we drove to "Big Creek" (Figures 1 and 2). Big Creek flows into the Chiniak River (Stream No. 259-25-10040). We walked downstream about 1 linear mile into Kodiak Island Borough (KIB) land and used an electrofisher to sample upstream through the KIB land, and entered Leisnoi, Inc. owned land. Throughout the reach we captured up to 25 juvenile coho salmon (20-110 mm fork length (FL)) (Figures 3 and 4). Over 100 Dolly Varden were also captured (15-115 mm FL).

Big Creek was sampled in May 2012 about 0.5 linear miles below our June 2013 sampling effort. During the 2012 sampling effort, Juvenile coho and pink salmon were captured. The reach that was sampled in 2012 has been nominated to the Anadromous Waters Catalog. The additional reach that contained coho salmon will be nominated to the Anadromous Waters Catalog.

Near the KIB property line the stream flow became subsurface for about 0.5 linear miles (Figure 5). During a Forest Resources Practices Act inspection conducted at this location June 4, 2013, water was flowing throughout the dry reach. No physical barrier to fish passage was observed.

On the morning of June 14 we returned to Big Creek and began sampling above the dry reach at the point where stream flow was present. We sampled about 1.0 linear mile (Figure 6). We captured or observed about 600 Dolly Varden (Figure 7). Big Creek will be sampled an additional time in the fall of 2013 during a wet period to determine if adult or juvenile salmon

are present in the stream reach upstream of the dry reach.

We drove to an unnamed tributary to Roslyn Creek (Stream No. 259-25-10010). We sampled about 1,800 linear feet of the stream (Figure 8). We captured or observed about 200 juvenile coho salmon (Figures 9 and 10). The unnamed stream will be nominated to the Anadromous Waters Catalog. Additional habitat will be sampled during a later sampling effort.

The ADF&G is currently planning on returning to Kodiak for a sampling effort in July 2013.



Figure 1. Big Creek in the KIB land. View looking downstream.

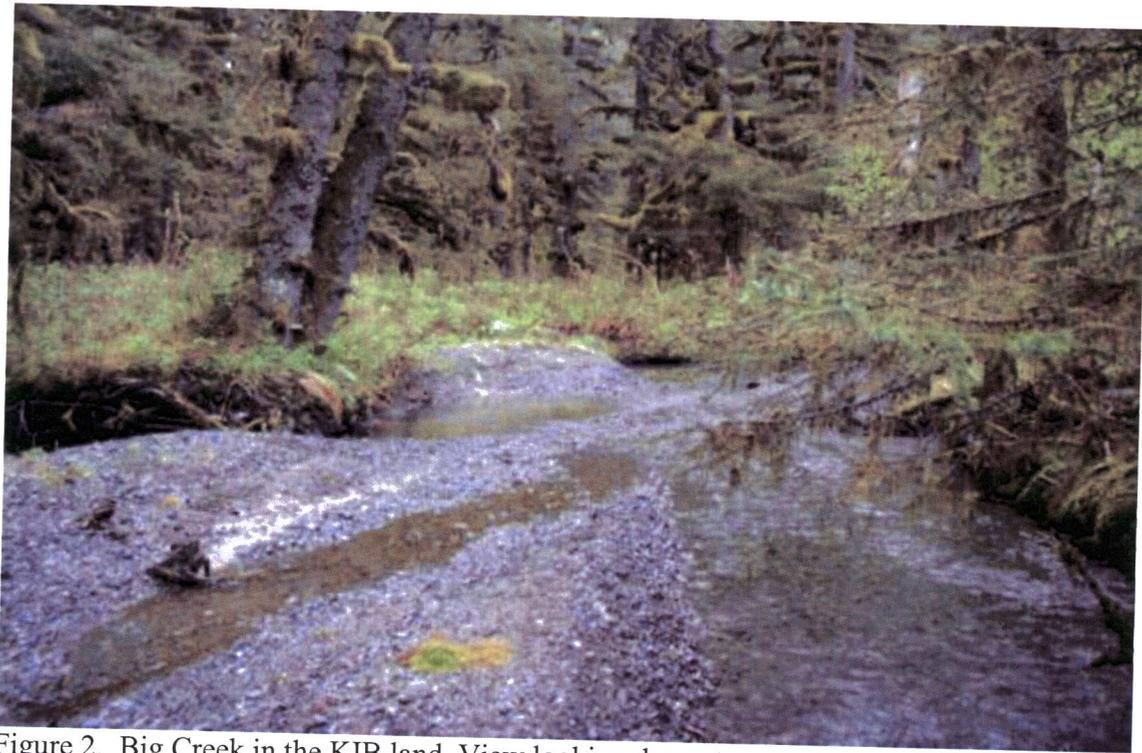


Figure 2. Big Creek in the KIB land. View looking downstream.



Figure 3. Juvenile coho salmon, Big Creek.



Figure 4. Juvenile coho salmon, Big Creek.



Figure 5. Dry reach of Big Creek. View looking upstream.

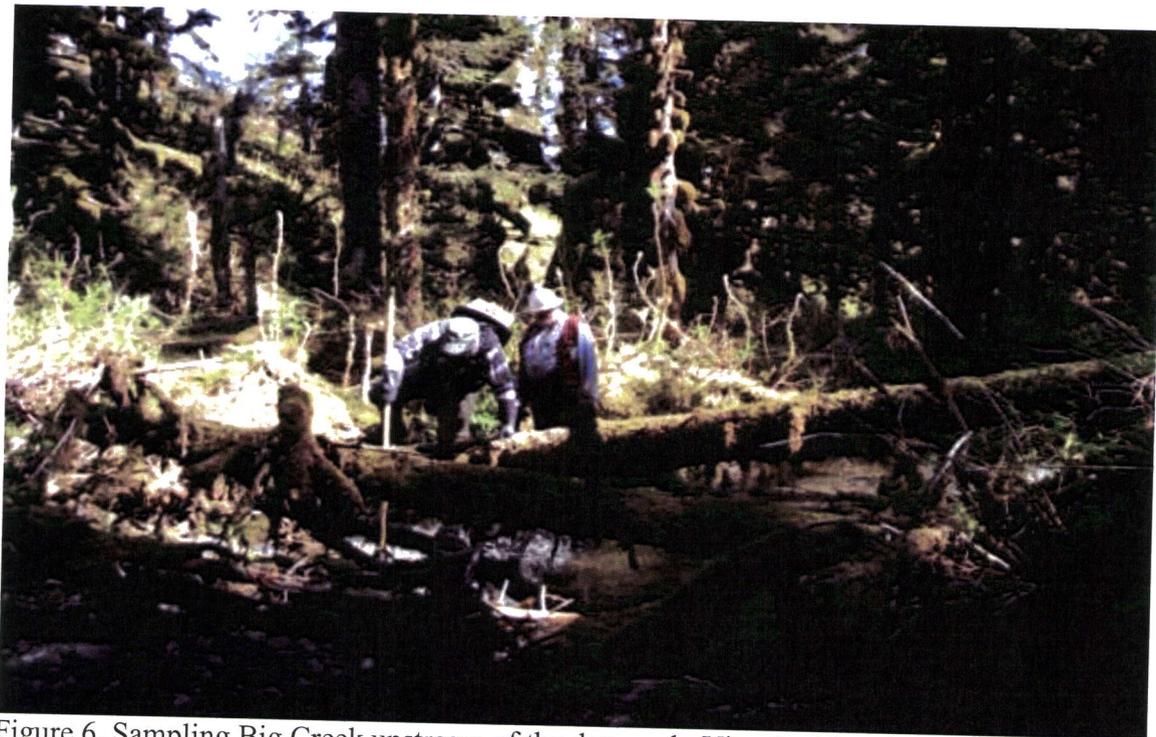


Figure 6. Sampling Big Creek upstream of the dry reach. View looking downstream.



Figure 7. Dolly Varden captured in Big Creek.



Figure 8. Sampling unnamed tributary to Roslyn Creek. View looking upstream.

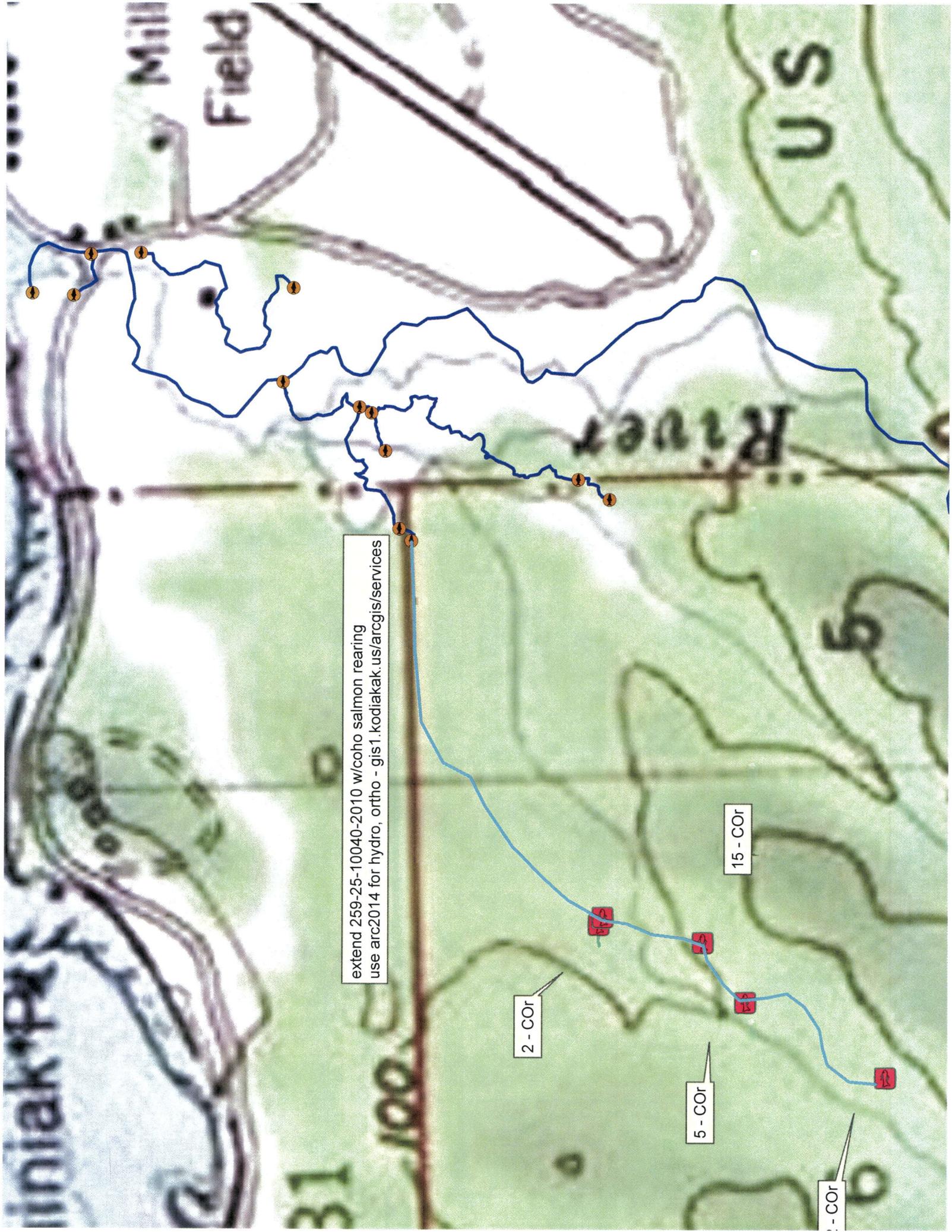


Figure 9. Juvenile coho salmon, unnamed tributary to Roslyn Creek.



Figure 10. Juvenile coho salmon, unnamed tributary to Roslyn Creek.

cc: S. Schrof, ADF&G
L. Van Daele, ADF&G
D. Tracy, ADF&G
T. Polum, ADF&G
A. Ott, ADF&G
C. Curtis, ADF&G
K. Hanley, ADEC
J. Winters, DOF
B. Cassidy, KIB
B. Scholze, KIB
D. Nesheim, A-1
T. Loushin, A-1
V. Veeh, Leisnoi Inc.
C. Schmidt, Leisnoi Inc.
D. Lukin, Leisnoi Inc.
K. Potts, Leisnoi Inc.



extend 259-25-10040-2010 w/coho salmon rearing
use arc2014 for hydro, ortho - gis1.kodiakak.us/arcgis/services

2 - COr

5 - COr

15 - COr

COr

extend 259-25-10040-2010 w/coho salmon rearing
use arc2014 for hydro, ortho - gis1.kodiakak.us/arcgis/services

2 - COr

15 - COr

5 - COr

2 - COr

