



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

Nomination Form
Anadromous Waters Catalog

Region Southwest USGS Quad(s) Kodiak C-1 M

Anadromous Waters Catalog Number of Waterway 259-25-10020-2075-3009

Name of Waterway Unnamed Tributary West Fork Twin Creek USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>130226</u>	<u>[Signature]</u> Fisheries Scientist	<u>10/27/13</u> Date
Revision Year: <u>2014</u>	<u>[Signature]</u> Habitat Operations Manager	<u>10/29/13</u> Date
Revision to: Atlas <input type="checkbox"/> Catalog <input type="checkbox"/> Both <input checked="" type="checkbox"/>	<u>[Signature]</u> AWC Project Biologist	<u>10/10/13</u> Date
Revision Code: <u>A-2d</u>	<u>[Signature]</u> Cartographer	<u>11/2/13</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Pink Salmon 10	9/19/2013	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" 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 add short stream based observations of carcasses and
During a AKSSF fish sampling, we observed adult pink salmon spawning in an unnamed tributary to West Fork Twin Creek. See the September 19-20, 2013 Trip Report.

ALASKA DEPT. OF FISH & GAME
SEP 25 2013
documentation
Pink Salmon
in

Name of Observer (please print): Will Frost, Habitat Biologist 259-25-10020

Signature: [Signature] Date: 9/23/2013 @ 2075

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): _____

Subject: RE: live vs. dead
Importance: High

J,

After looking at these nominations and thinking about it a bit, I think we can use most (see my comment below on nom 130218) of this information as nominations for spawning. I also think as a matter of policy that adult carcasses can only be used for a positive nomination for "spawning" if there is accompanying information on the nearby presence of redds/eggs in a stream (see Mike's criteria below). Each nomination must be judged on a case-by-case basis (i.e., carcasses by themselves do not constitute a positive nomination) along with other information in adjacent reaches or streams. As a result, carcasses cannot be used for nominations of "presence" only. I also would not accept the nomination of a dry channel as a spawning area (nom. 130218) as it cannot be confirmed that spawning occurred there. I do not believe that this change in policy would cause us to go back through all old F-noms that used carcasses, but I do believe that we should provide this policy information on our website so folks can know that they can use carcasses, but need accompanying information for a successful nomination. Thanks.

Bob

From: Johnson, J D (DFG)
Sent: Friday, October 11, 2013 1:24 PM
To: Clark, Robert A (DFG)
Subject: RE: live vs. dead

May be too big to email
I'll stick a hard copy in your "mail box" too

From: Clark, Robert A (DFG)
Sent: Friday, October 11, 2013 1:22 PM
To: Johnson, J D (DFG)
Subject: RE: live vs. dead

Sure – send 'em over – I will have a look on Monday.

From: Johnson, J D (DFG)
Sent: Friday, October 11, 2013 1:19 PM
To: Clark, Robert A (DFG)
Subject: RE: live vs. dead

I scanned all eight which I can send for your viewing pleasure or if ya want to go thru them together that works too

From: Clark, Robert A (DFG)
Sent: Friday, October 11, 2013 1:13 PM
To: Johnson, J D (DFG)
Subject: RE: live vs. dead

Sounds good J. I am busy right now, but is there a time next week that I could stop by to have a look?

Bob

From: Johnson, J D (DFG)
Sent: Friday, October 11, 2013 1:12 PM
To: Clark, Robert A (DFG)
Subject: RE: live vs. dead

I've made a copy of nom forms w/carcass observations and would welcome others review to decide whether revision to AWC is warranted.

From: Clark, Robert A (DFG)
Sent: Friday, October 11, 2013 12:46 PM
To: Johnson, J D (DFG)
Subject: FW: live vs. dead

J,

Here is Mike's thinking on the topic of carcasses and the AWC. Please let me know if there are issues with this type of guidance. Thanks.

Bob

From: Daigneault, Michael J (DFG)
Sent: Friday, October 11, 2013 12:44 PM
To: Clark, Robert A (DFG)
Subject: live vs. dead

Bob,

I looked at our criteria for nomination review and didn't see anything specifying the need for live fish observations. Seems like you and I are in general agreement that some level of judgment needs to be applied when considering AWC nominations based on adult carcass observations. Here is an attempt to provide guidance for evaluating these types of nominations – let me know what you think.

AWC nominations based on adult carcass observations will not be considered if:

- there are < 2 fish, or
- the observation is isolated (i.e., no other fish where observed nearby in the waterbody), or
- there is no other associated evidence of fish use of the habitat.

AWC nominations based on adult carcass observations will be considered if:

- there are ≥ 2 fish, and
- there is evidence of recent spawning activity (e.g., redds present, eggs observed in the gravel), or
- there are recent observations by others of live/spawning fish in the same location, or
- the waterbody is a tributary to a currently specified waterbody that supports the same species, or
- there is evidence of downstream fish use in a corresponding AWC nomination.

As with all 'judgment' decisions, multiple lines of evidence is certainly better than a single piece of information. Ultimately, if there is enough info to reasonably conclude anadromous fish use a certain waterbody, that AWC nomination is valid. If the evidence is uncertain or non-existent, the nomination cannot be defended.

Thanks,
Mike

Michael Daigneault
Alaska Dept. of Fish & Game
Division of Habitat
333 Raspberry Road
Anchorage, AK 99518

907-267-2342
michael.daigneault@alaska.gov

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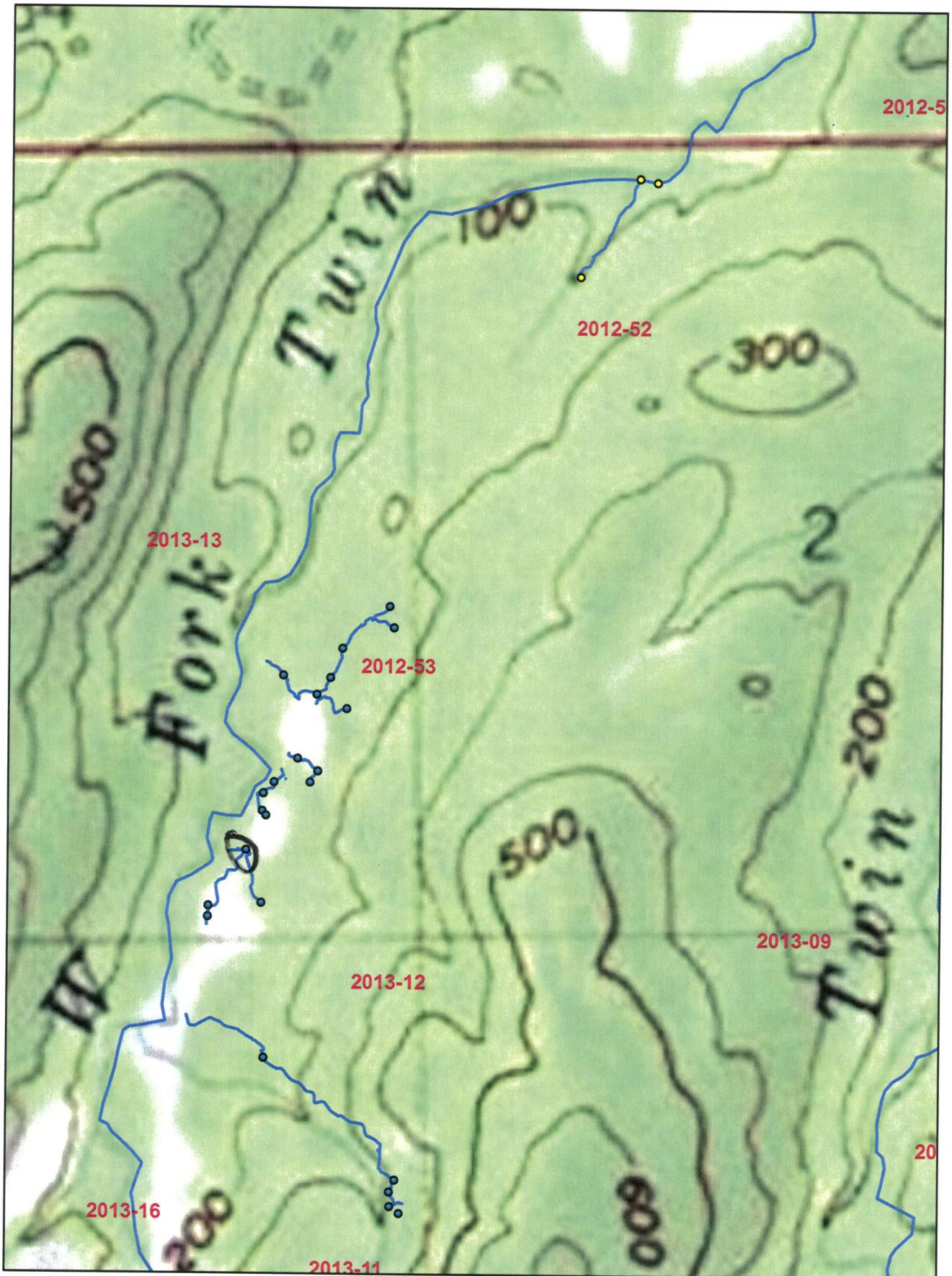


Figure 1



ADF&G

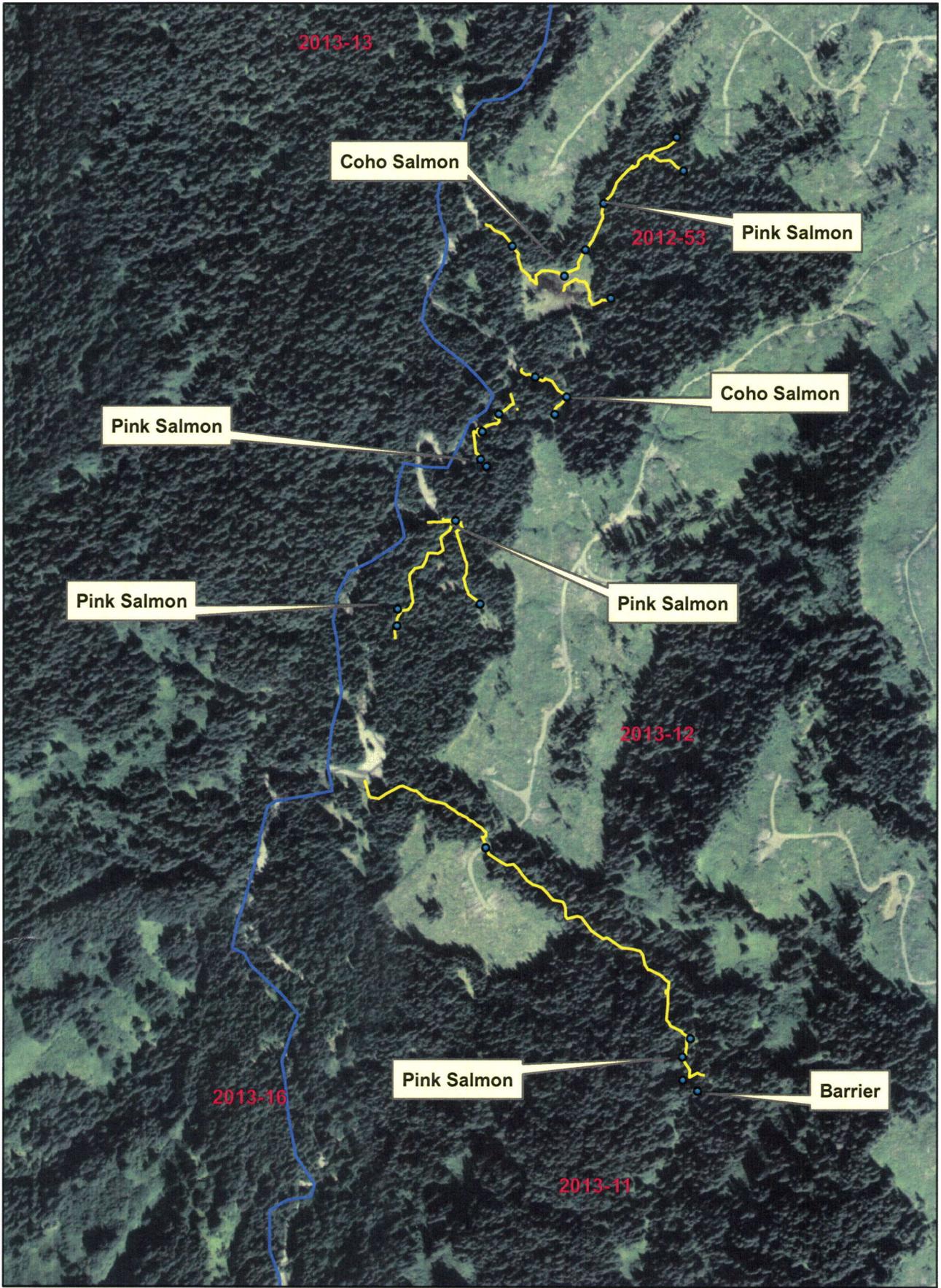


Figure 2



ADF&G

MEMORANDUM

State of Alaska

Department of Fish and Game
Division of Habitat

TO: Michael Daigneault
Central Region
Regional Supervisor

DATE: September 25, 2013

PHONE NO: 267-2813

FROM: Will Frost *WF*
Habitat Biologist

SUBJECT: AKSSF AWC Survey: Kodiak Island
September 2013

On September 19 and 20, 2013, I joined Dave Nesheim, A-1 Timber Consultants (A-1), and Jodi Estrada, 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 September 19, we drove to an unnamed tributary to Sequel Point Creek (Stream No. 259-30-10004). The stream is located on lands managed by Leisnoi Native Corporation. We walked from the Sequel Point Road downstream about 600 linear feet to Sequel Point Creek. We conducted a foot survey to determine if adult salmon were present in the stream. We observed about 20 adult pink salmon carcasses in the stream. The unnamed tributary will be nominated to the Anadromous Waters Catalog.

We walked up Sequel Point Creek about 1,500 linear feet and observed about 200 adult pink salmon spawning and carcasses throughout the reach (Figure 1). The adult pink salmon will be nominated for update to the Anadromous Waters Catalog.

We drove to West Fork Twin Creek (Stream No. 259-25-10020). We walked to an unnamed tributary located in Unit 2013-11. The lower reach of the stream was dry. Adult pink salmon carcasses were observed in the dry streambed (Figure 2). We walked about 1,500 linear feet up the stream to an 8-foot high barrier (Figure 3). Water was flowing in the upper reach of the stream. About 50 adult pink salmon were observed spawning in the flowing water. The unnamed tributary will be nominated to the Anadromous Waters Catalog.

We walked down West Fork Twin Creek to Unit 2013-13. We walked up an unnamed tributary to West Fork Twin Creek and observed about 150 adult pink salmon spawning and carcasses were present. We also walked up the tributary to the main unnamed tributary and observed 10 adult pink salmon carcasses (Figure 4). The streams were about 700 linear feet. The streams headwaters flow from springs under the forest floor (Figure 5). The streams will be nominated to the Anadromous Waters Catalog.

We walked down West Fork Twin Creek in Unit 2013-13 to another unnamed tributary. We walked up the unnamed tributary about 500 linear feet. We observed about 15 adult pink salmon spawning. The stream headwaters flow from a spring under the forest floor. The stream will be nominated to the Anadromous Waters Catalog.

We walked down West Fork Twin Creek in Unit 2013-13 to another unnamed tributary. We walked up the unnamed tributary about 300 linear feet. I used an electrofisher to sample the stream. We captured 7 juvenile coho salmon (50-100 mm FL). The stream headwaters flow from a spring under the forest floor. The stream will be nominated to the Anadromous Waters Catalog.

On the morning of September 20, we returned to West Fork Twin Creek in Unit 2013-53 and sampled another unnamed tributary. We observed about 150 adult pink salmon spawning and pink salmon carcasses in the lower reach. I used an electrofisher in reaches with no live pink salmon (Figure 6). We captured 4 juvenile coho salmon (40-65 mm FL). About 1,500 linear feet of the stream was sampled. We ended the survey where the stream gradient became a barrier to fish passage. The stream will be nominated to the Anadromous Waters Catalog. We sampled a tributary to the main unnamed tributary. No salmon were captured or observed.

We drove to an unnamed tributary to Roslyn Creek. We walked up an unnamed tributary about 1 mile. We observed about 5,000 adult pink salmon spawning and carcasses were present.

We sampled about 100 linear feet of an unnamed tributary to the main tributary (Figure 7). The sampling ended at a barrier. Five Dolly Varden were captured. No length measurements were taken for the Dolly Varden.

We walked down the main tributary about 1,300 linear feet and sampled another unnamed tributary to the main tributary. We sampled about 1,700 linear feet until the stream gradient became a barrier to fish passage. We captured 4 juvenile coho salmon (50 mm FL). We observed 25 adult pink salmon spawning. The stream will be nominated to the Anadromous Waters Catalog.

We walked down the main tributary about 1,000 linear feet and sampled another unnamed tributary to the main tributary. We sampled about 70 linear feet until the stream gradient became a barrier to fish passage. No juvenile salmon were captured. We observed 10 adult pink salmon carcasses. The stream will be nominated to the Anadromous Waters Catalog.

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

cc: S. Schrof, ADF&G
N. Svoboda, ADF&G
L. Van Dale, 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.



Figure 1. Pink salmon in Sequel Point Creek.



Figure 2. Pink salmon carcasses in unnamed tributary West Fork Twin Creek.

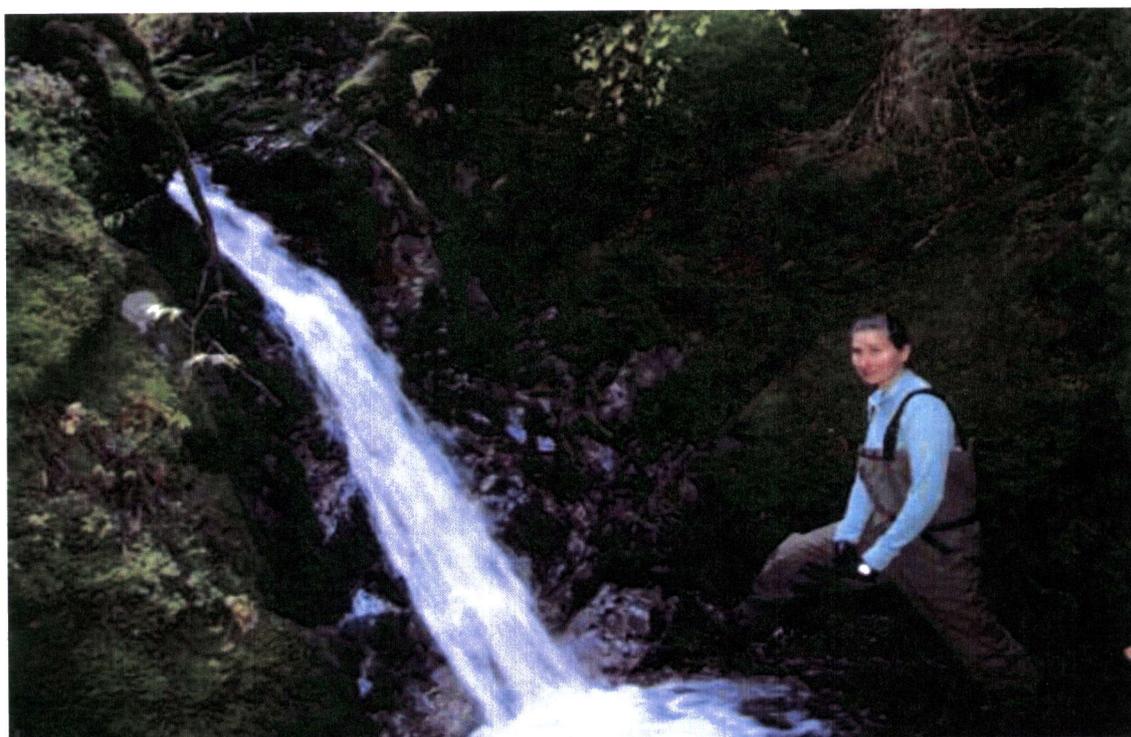


Figure 3. Jodi Estrada, ADF&G below barrier in unnamed tributary West Fork Twin Creek.



Figure 4. Unnamed tributary West Fork Twin Creek.



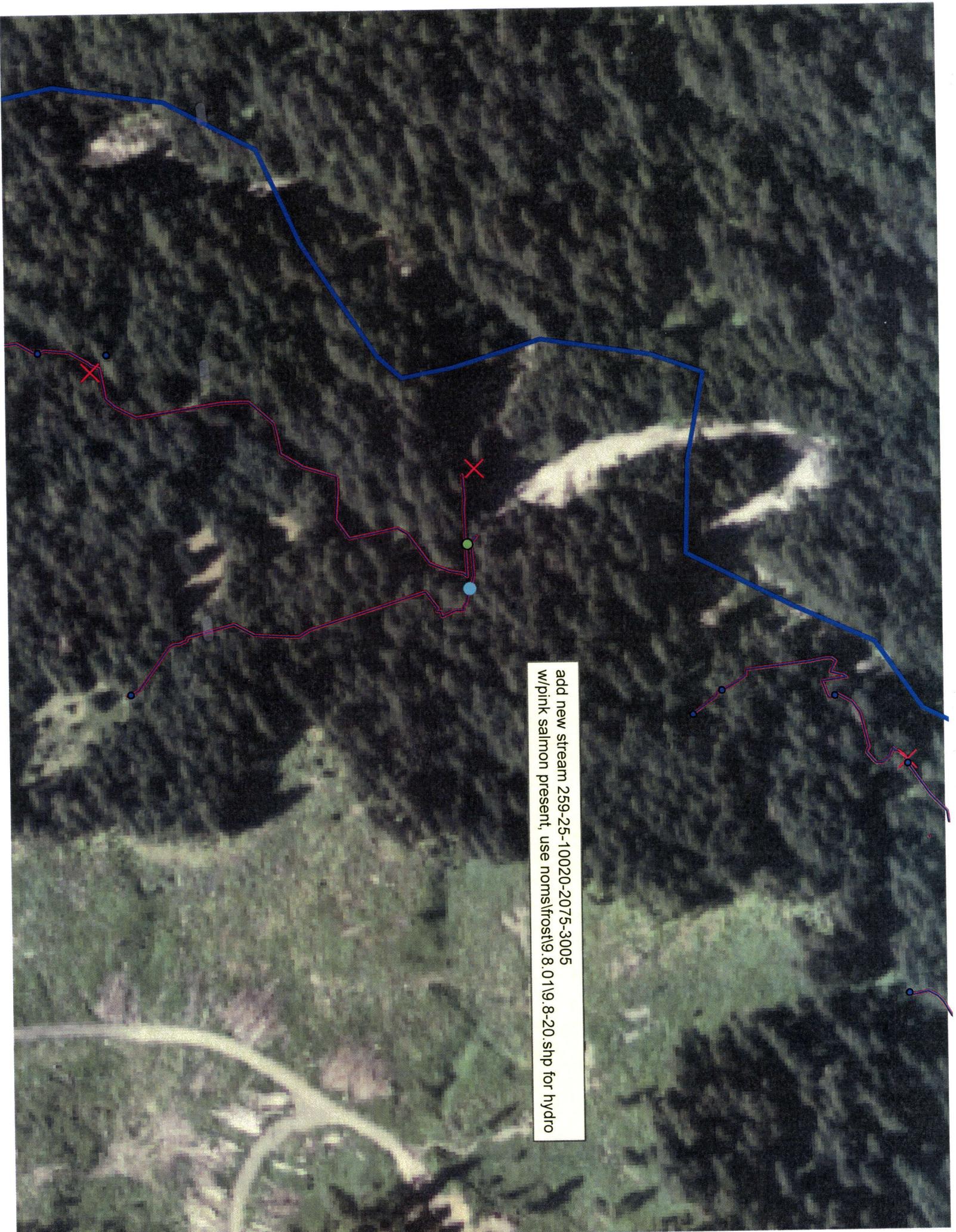
Figure 5. Spring flowing from forest floor in unnamed tributary West Fork Twin Creek.



Figure 6. Will Frost, Habitat Biologist sampling unnamed tributary West Fork Twin Creek.



Figure 7. Jodi Estrada, ADF&G sampling unnamed tributary Roslyn Creek.



add new stream 259-25-10020-2075-3005
w/pink salmon present, use nomslfrost19.8.0119.8-20.shp for hydro