



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

Nomination Form
Anadromous Waters Catalog

SE

Region: Southeastern

USGS Quad(s): Juneau B-3 *SE NE*

2055

Anadromous Waters Catalog Number of Waterway: 111-50-10100-XXX1

Name of Waterway: Peterson Creek

Is this a USGS Name X OR Local Name _____?

Type of Nomination (Circle One): Addition

Deletion Correction Backup Information
For Office Use

Nomination # <u>120161</u>	<u>ul CP</u> Fisheries Scientist	<u>11/2/12</u> Date
Revision Year: <u>2013</u>	<u>[Signature]</u> Habitat Operations Manager	<u>11/2/12</u> Date
Revision to: Atlas _____ Catalog _____ Both <u>X</u>	<u>96</u> AWC Project Biologist	<u>10/5/12</u> Date
Revision Code: <u>C-9, A-1, B-1</u>	<u>[Signature]</u> Cartographer	<u>11/7/12</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Chum salmon	5/29/2008		Yes; count = 2	Yes; count = 2	Yes
Coho salmon	7/12/2007, 8/3/2007, 10/12-10/14/2007, 5/28/2008		Yes; count = 708	Yes; count = 708	Yes
Cutthroat trout	10/14/2003, 5/29/2008		Yes; count = 15	Yes; count = 15	Unknown
Dolly Varden	10/14/2003, 7/19/2007, 8/8/2007, 5/29/2008		Yes; count = 36	Yes; count = 50	Unknown
Rainbow trout	8/8/2007, 5/29/2008		Yes; count = 2	Yes; count = 10	Unknown

Revise stream hydrography, extent of Coho salmon rearing, add chum salmon present

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: All fish observations were associated with a DJ funded research project (Southeast Steelhead Habitat Carrying Capacity), exploring fish-habitat associations within Peterson Creek watershed on the mainland, north of Juneau. Fish observation methods consisted of snorkel surveys, small dip nets, and baited and sterilized Gee Minnow Traps (minimum 1 hr. soak). All fish observed were identified to the lowest taxon possible, counted, and grouped into size classes. Attachment pages/maps provide additional specific information regarding the presence of fish species, locations (lat/long), number and species captured, and additional info.

Name of Observer (please print): Kercia Schroeder

Signature: [Signature]

Date: 3/19/2012

Agency: ADF&G, Sport Fish Division

Address: Southeast Regional Office, 802 3rd Street, PO Box 110024, Juneau, AK 99811-0024

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: [Signature] Date: 3/19/12 Revision 02/08

GIS shapefile descriptions

Peterson Creek

- [PetersonCreek_AllFishObservations.shp](#) - point shapefile that includes all fish observations, for all species observed during stream habitat and fish use surveys conducted in this watershed.
- [PetersonCreek_AWC_AnadromousFish.shp](#) – point shapefile that includes all anadromous fish observations made during stream habitat and fish use surveys conducted in this watershed. Includes which AWC stream number the observation was associated with.
- [PetersonCreek_Features_All.shp](#) - point shapefile that includes all waypoints taken during stream habitat and fish use surveys in this watershed.
- [PetersonCreek_AWC_ProposedNominations_2012_dissolve.shp](#) – polyline shapefile that includes updated stream hydrography based on stream habitat and fish use surveys conducted in this watershed and is clipped to the proposed AWC extent based on observations. Also includes the AWC number associated with each stream arc.
- [PetersonCreek_UpperExtentWaypoints.shp](#) – point shapefile that includes the upper extent of anadromous fish observations made on each proposed AWC stream arc.
- [PetersonCreekBarrier_NAD83.shp](#) - point shapefile that includes the mainstem barrier where we propose to have the upper extent of the AWC moved to.

Ratz Creek:

- [OdysseyDB_FOP_Updated_2012_Ratz_2.shp](#) - point shapefile that includes all fish observations, for all species observed during stream habitat and fish use surveys conducted in this watershed.
- [RatzCreek_AWC_AnadromousFish.shp](#) - point shapefile that includes all anadromous fish observations made during stream habitat and fish use surveys conducted in this watershed. Includes which AWC stream number the observation was associated with.
- [OdysseyDB_FEATS_Updated_2012_Ratz.shp](#) – point shapefile that includes all waypoints taken during stream habitat and fish use surveys in this watershed.
- [RatzCreek_AWC_ProposedNominations_2012_clipped.shp](#) - polyline shapefile that includes updated stream hydrography based on stream habitat and fish use surveys conducted in this watershed and is clipped to the proposed AWC extent based on observations. Also includes the AWC number associated with each stream arc.
- [RatzCreek_UpperExtentWaypoints.shp](#) – point shapefile that includes the upper extent of anadromous fish observations made on each proposed AWC stream arc.

Sashin Creek:

- [SAS19_FOP_All.shp](#) - point shapefile that includes all fish observations, for all species observed during stream habitat and fish use surveys conducted in this watershed.
- [SAS_Features_All.shp](#) - point shapefile that includes all waypoints taken during stream habitat and fish use surveys in this watershed.



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Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog

ME

Region Southeastern USGS Quad(s) Juneau B-3
 Anadromous Waters Catalog Number of Waterway 111-50-10100-2055
 Name of Waterway _____ USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination #	<u>11-505</u>	<u>[Signature]</u>	<u>6/13/11</u>
		Fisheries Scientist	Date
Revision Year:	<u>2012</u>	<u>[Signature]</u>	<u>6/13/11</u>
		Habitat Operations Manager	Date
Revision to:	Atlas _____	<u>[Signature]</u>	<u>20 DEC 10</u>
	Both <input checked="" type="checkbox"/>	AWC Project Biologist	Date
Revision Code:	<u>A-2</u>	<u>[Signature]</u>	<u>10/21/11</u>
		Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	05/29/2008			✓	✓
<u>(226)</u>					

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:

This stream in the Peterson Creek area was surveyed by Region V Sport Fish Division in 2008. Each point indicates a baited minnow trap that captured coho salmon. Anthony Crupi was the observer.
 Coordinates (Lat,Long): Upper(58.49265,-134.77391) Lower(58.49453,-134.77637)

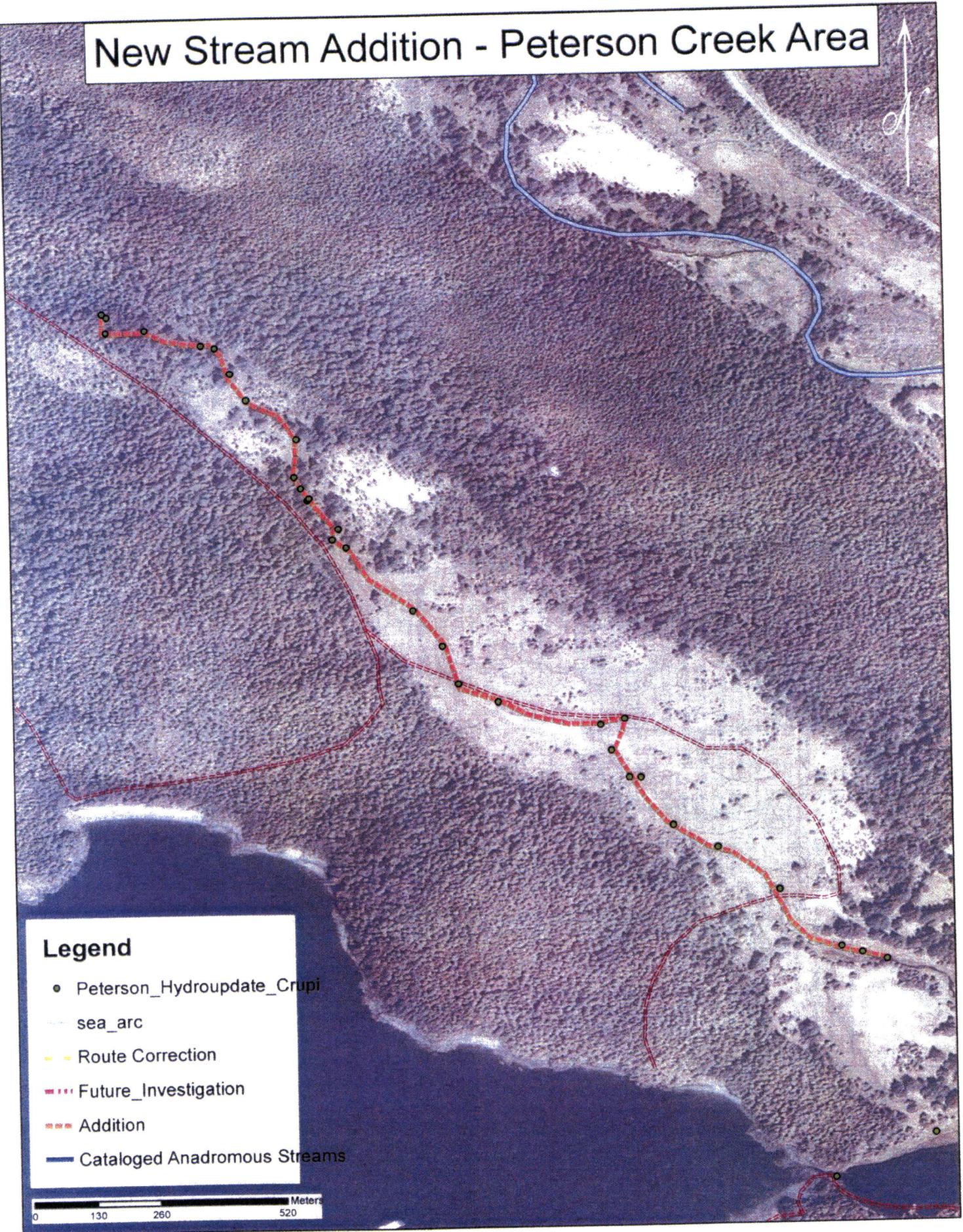
Add new stream of coho salmon present

Name of Observer (please print): Tess Quinn
 Signature: 146.63.139.55 (Web Nomination) Date: 12/01/2010
 Agency: _____
 Address: PO Box 35032 PO Box 35032
Juneau, AK 99803

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.

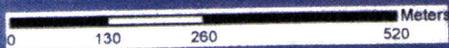
Signature of Area Biologist: _____ Date: _____ Revision 02/08
 Name of Area Biologist (please print): _____

New Stream Addition - Peterson Creek Area



Legend

- Peterson_Hydroudate_Crupi
- sea_arc
- Route Correction
- Future_Investigation
- Addition
- Cataloged Anadromous Streams





-2055

Add new stream
w/ catchment area

111-5 - 10100 -
2055

CCP

ANADROMOUS WATERS CATALOG/ATLAS
CORRECTION FORM

ME

CORRECTION TO: Atlas X Catalog X

Region: SEA

Map: JNK B-3

Water Body Number: 111-50-10100-2079

Describe Change(s): change coho salmon life stage

 from present to rearing life stage change

 after further examination of name

Change Requested By: Johnson

 3/15/2012

Drafted/Digitized By: [Signature]

 3/19/12
Date

Revision Code: C-8

Nomination Number: 11-506

****ATTACH THIS FORM TO EXISTING NOMINATION FORM****

Johnson, J D (DFG)

From: Glynn, Brian J (DFG)
Sent: Wednesday, February 22, 2012 1:28 PM
To: Johnson, J D (DFG)
Subject: RE: 2012_glynn_noms.xlsx

Thanks.

From: Johnson, J D (DFG)
Sent: Wednesday, February 22, 2012 1:22 PM
To: Glynn, Brian J (DFG)
Subject: RE: 2012_glynn_noms.xlsx

Observations of all fish observed are fine to submit to AWC however only those fishes readily identifiable as anadromous are eligible for inclusion in catalog and on maps.

J

From: Glynn, Brian J (DFG)
Sent: Wednesday, February 22, 2012 1:06 PM
To: Johnson, J D (DFG)
Subject: RE: 2012_glynn_noms.xlsx

J.

The only comment I have on these is a general one. That being, I noticed inconsistency in whether coho salmon were identified as "present" or "rearing". In most cases, juvenile salmon were observed it was not indicated that they were rearing fish. I think having a little "r" included in the information portion of the mapping program would be helpful as opposed to simply indicating that fish were present. While this information could often be obtained by digging deeper into the nomination, simply having it available on the atlas would make for less work when investigating fish presence in a particular stream.

Regarding the rearing vs present issue, I won't take the time to add any additional information to these nominations, since in many cases you took the liberty to assume that the coho were rearing fish (as indicated by your notes on the nomination form)...and as I mentioned, this question could be answered by digging deeper into the nomination forms themselves.

Lastly, a question.....While discussing these nominations with the observer, they suggested to me that if CT or DV are the only fish observed during a trapping survey of an uncataloged stream, those observations can't be submitted to the AWC since it is not clear that they fish are anadromous. Is this true?



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Region Southeastern USGS Quad(s) Juneau B-3
 Anadromous Waters Catalog Number of Waterway 111-50-10100-2079
 Name of Waterway _____ USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination #	<u>11-506</u>		<u>6/13/11</u>
		Fisheries Scientist	Date
Revision Year:	<u>2012</u>		_____
		Habitat Operations Manager	Date
Revision to:	Atlas _____ Both <input checked="" type="checkbox"/>		<u>20 DEC 10</u>
		AWC Project Biologist	Date
Revision Code:	<u>A-2</u>		<u>10/24/11</u>
		Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	08/08/2010			✓	✓
<u>(506)</u>					

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:

This stream in the Peterson Creek area was surveyed by Region V Sport Fish Division in August 2007. All points indicate an observation location of coho presence. The surveys were conducted by Anthony Crupi.
 Coordinates (Lat,Long): Upper(58.49725,-134.76822) Lower(58.49048,-134.77461)

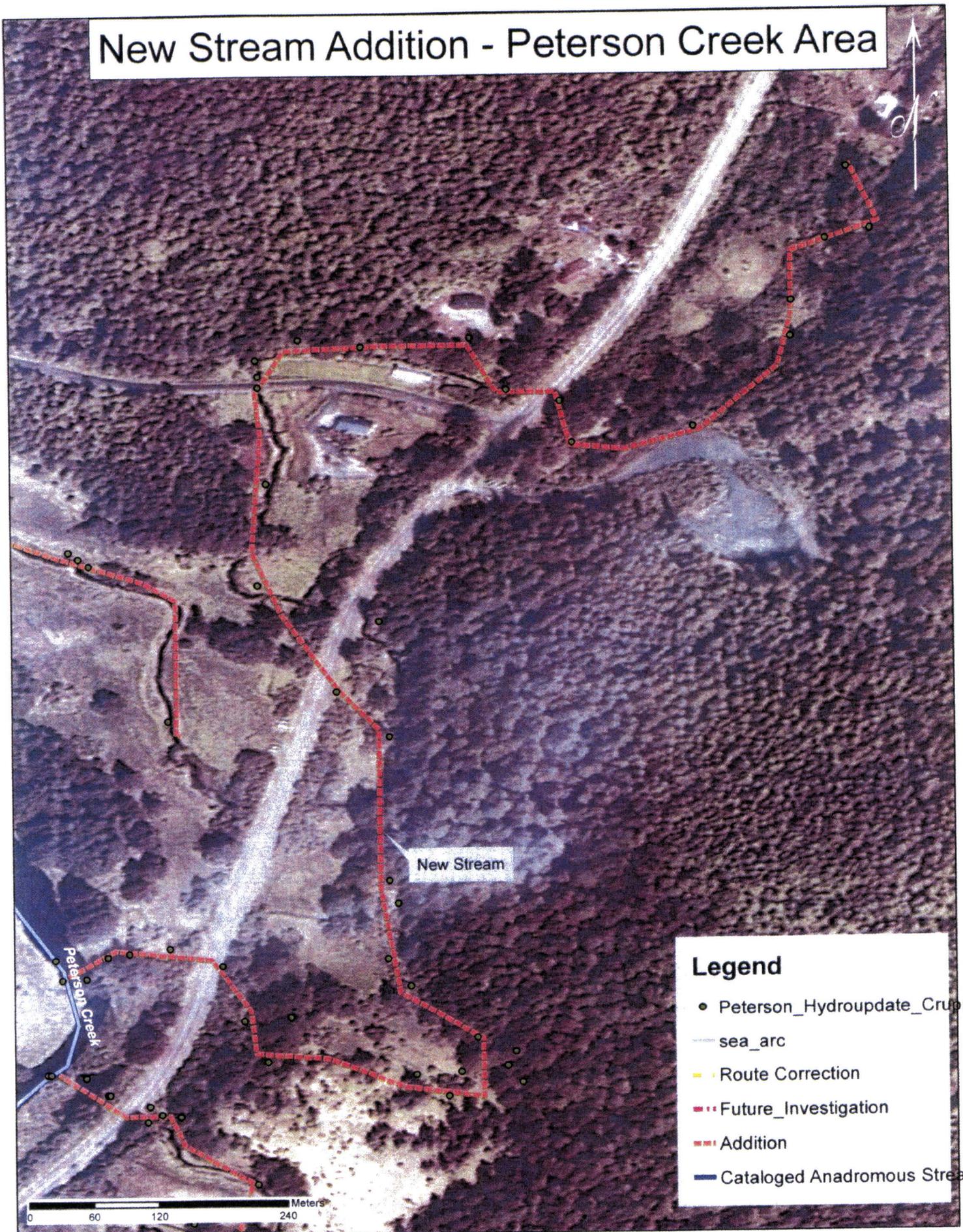
Add new stream w/ coho salmon present

Name of Observer (please print): Tess Quinn
 Signature: 146.63.139.55 (Web Nomination) Date: 12/02/2010
 Agency: _____
 Address: PO Box 35032 PO Box 35032
Juneau, AK 99803

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 02/08
 Name of Area Biologist (please print): _____

New Stream Addition - Peterson Creek Area



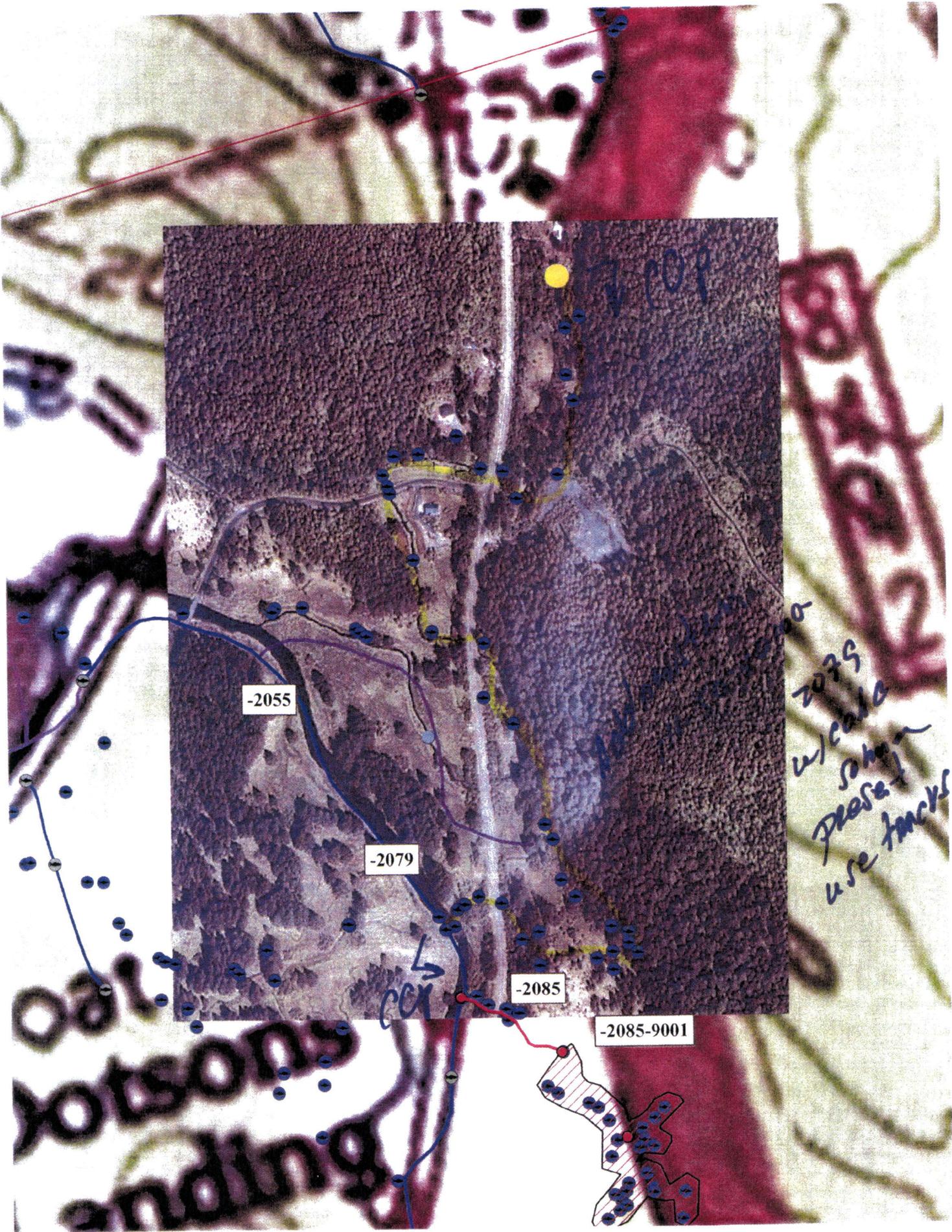
New Stream

Peterson's Creek

Legend

- Peterson_Hydroudate_Crubi
- sea_arc
- Route Correction
- - - Future_Investigation
- - - Addition
- Cataloged Anadromous Stream

0 60 120 240 Meters



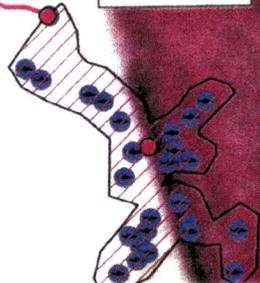
-2055

-2079

-2085

-2085-9001

2079
w/cade
soka
pless
use tracks



Johnson, J D (DFG)

From: Schroeder, Kercia L (DFG)
Sent: Thursday, June 28, 2012 10:27 AM
To: Johnson, J D (DFG)
Subject: RE: 111-50-10100-xxx3 (nom # 12-155)
Attachments: IMGPO100.JPG; IMGPO113.JPG

J,

In taking a closer look at this hydrography conflict, I again will stand behind the hydrography edits that Anthony made and that were submitted with our nominations. If you look closely at the imagery, I think you will see that the stream arc we provided for our nomination 111-50-10100-XXX1 closely follows the stream you can see on the imagery. This is a fairly significant trib, in that our channel bed width measurements were between 2.0 – 3.5 m for the entire stretch of stream we submitted an AWC nomination for. This trib has a very distinct, well defined channel, so I would be very surprised if it changed that much in the two years that passed between the time we were conducting surveys in the Peterson Creek watershed and when Tess did. I have attached a couple of photos that were taken during our stream habitat mapping surveys. The photos were taken at the first road crossing on the arc we provided you with. On the map you sent, they were taken just downstream of where Tess's stream arc comes together with our stream arc and we have an anadromous fish observation there, with a "20" next to it. Anyways, you will be able to see that this is a fairly significant and well defined stream channel. The first photo was taken facing downstream and the second photo was taken facing upstream, looking toward the culvert.

We also have photos for the nomination we submitted for 111-50-10100-XXX3, but that is a much smaller stream with a lot of surrounding vegetation, so the photos aren't as easy to decipher. Anyways, I can try to find some good ones to send you if that is at all helpful. It is my understanding that Tess's crew delineates their hydrography off of the tracks they record on their GPS units during their surveys. I could be wrong, and we'll see what Tess has to say, but I have a feeling that their group followed the smaller trib (111-50-10100-XXX3) up to the end and when they ran out of water they cut over/continued on to the larger trib (111-50-10100-XXX1).

Anyways, hopefully some of this information will help you decide what to do. I understand that you want to wait for Tess to respond before proceeding and that makes total sense. Please let me know if I can provide any more input for you.

Thanks,
Kercia

From: Johnson, J D (DFG)
Sent: Thursday, June 28, 2012 7:28 AM
To: Schroeder, Kercia L (DFG); Quinn, Tess (DFG)
Subject: 111-50-10100-xxx3 (nom # 12-155)

ANADROMOUS WATERS CATALOG/ATLAS
CORRECTION FORM

ME

CORRECTION TO: Atlas X Catalog X

Region: SEA

Map: JWA B-3

Water Body Number: 111-50-10100-2055

Describe Change(s): change coho salmon life stage

from present to rearing

life stage changed after further

examination of user fence

Change Requested By: Johnson

3/15/2012

Drafted/Digitized By: [Signature]

3/19/12
Date
Date

Revision Code: C-8

Nomination Number: 11-505

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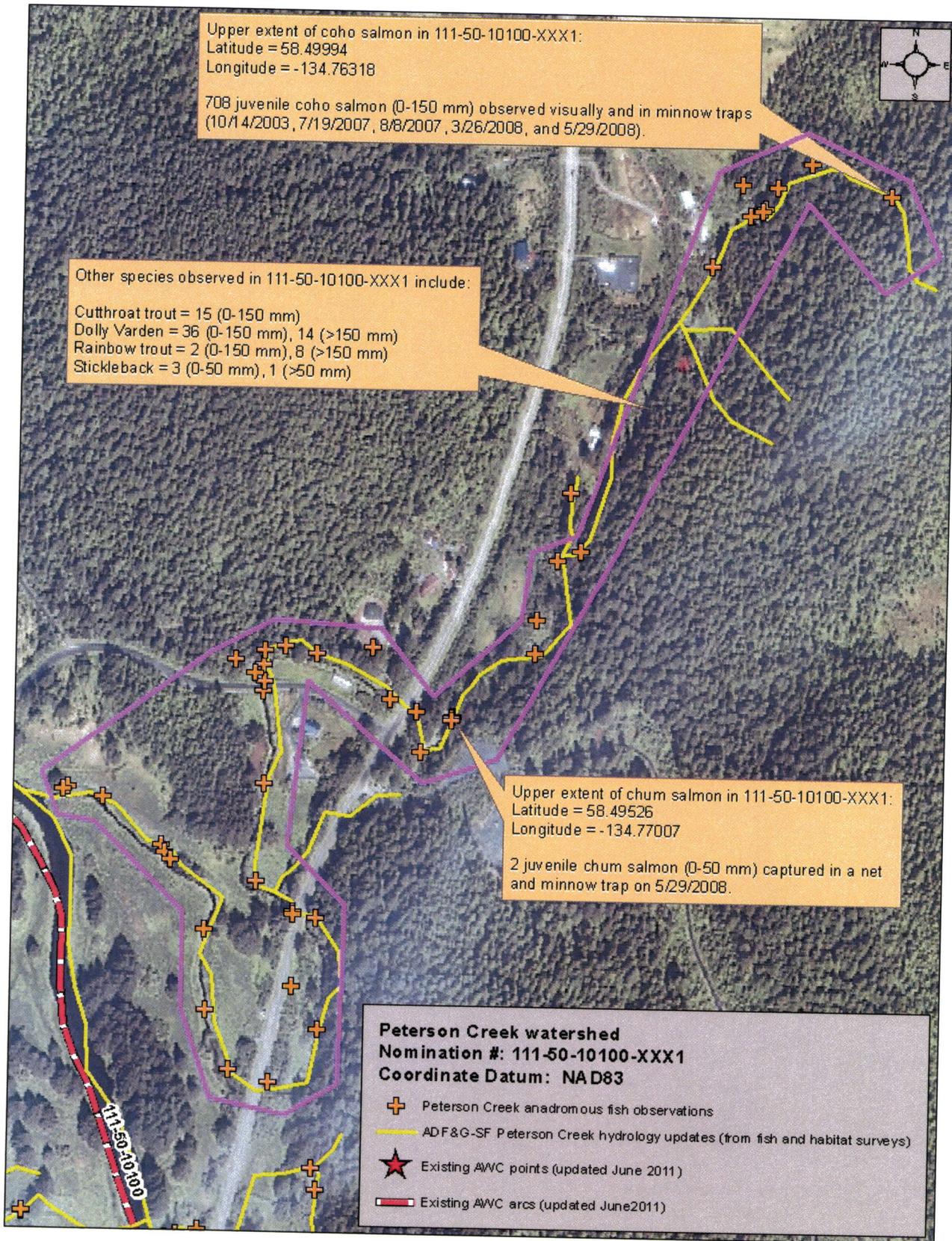
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Attachment Pages and Supporting Information

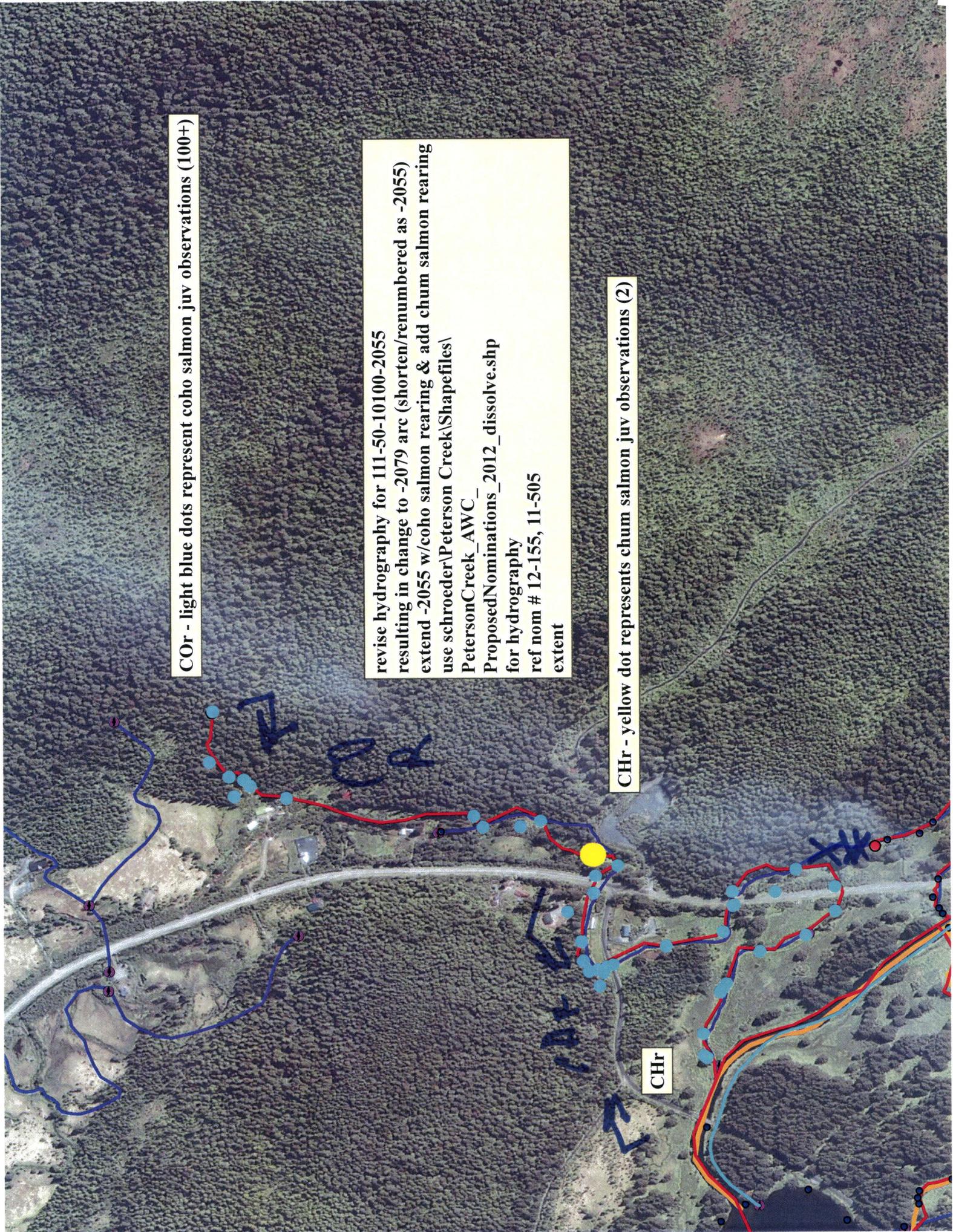


Map identifying locations where **coho salmon** and **chum salmon** were observed in 111-50-10100-XXX1. These observations support an anadromous stream addition (111-50-10100-XXX1) to the Peterson Creek watershed. Cutthroat trout, Dolly Varden, rainbow trout, and stickleback were also observed in this stream.

COr - light blue dots represent coho salmon juv observations (100+)

revise hydrography for 111-50-10100-2055
resulting in change to -2079 arc (shorten/renumbered as -2055)
extend -2055 w/coho salmon rearing & add chum salmon rearing
use Schroeder\Peterson Creek\Shapefiles\
PetersonCreek_AWC_
ProposedNominations_2012_dissolve.shp
for hydrography
ref nom # 12-155, 11-505
extent

CHr - yellow dot represents chum salmon juv observations (2)



CHr