



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

Nomination Form
Anadromous Waters Catalog



Region: Southeastern

USGS Quad(s): Juneau B-3

Anadromous Waters Catalog Number of Waterway: 111-50-10100-2102-XXX1 **3011**

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>120151</u>	<u>col CP</u> Fisheries Scientist Date <u>11/2/12</u>
Revision Year: <u>2013</u>	<u>[Signature]</u> Habitat Operations Manager Date <u>11/2/12</u>
Revision to: Atlas _____ Catalog _____ Both <u>X</u>	<u>[Signature]</u> AWC Project Biologist Date <u>10/26/12</u>
Revision Code: <u>C-9</u>	<u>[Signature]</u> Cartographer Date <u>11/2/12</u>

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho salmon	<u>7/18/2007, 8/8/2007</u>		Yes; count = 31	Yes; count = 31	Yes

Revise map/eg map

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. **Ref num # 12 - 149**

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

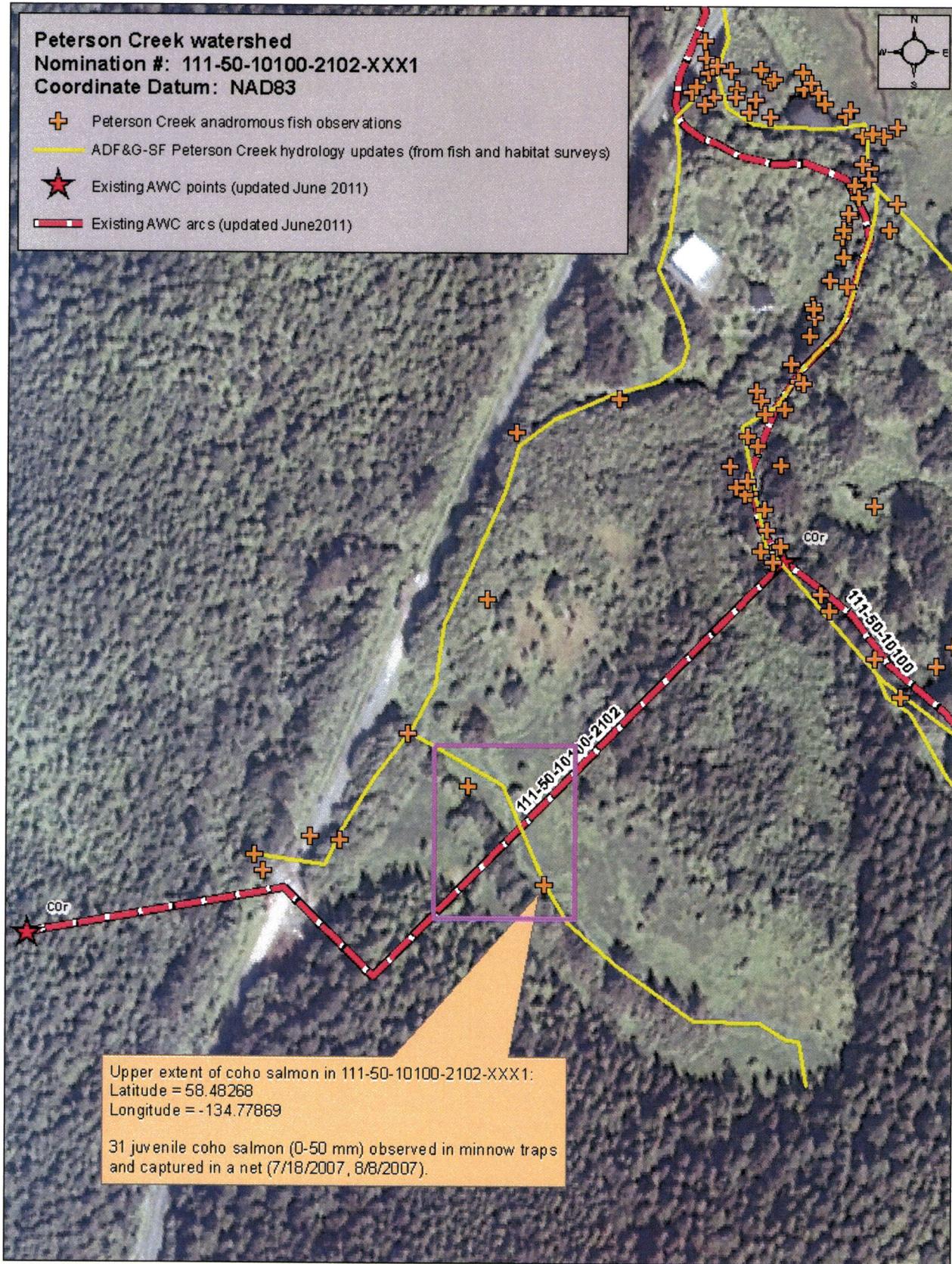
This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Anadromous Waters Catalog.

Signature of Area Biologist: [Signature]

Date: 3/19/12

Revision

Attachment Pages and Supporting Information



Map identifying locations where **coho salmon** were observed in 111-50-10100-2102-XXX1. These observations support an anadromous stream addition (111-50-10100-2102-XXX1) to the Peterson Creek watershed.

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.
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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.

Johnson, J D (DFG)

From: Schroeder, Kercia L (DFG)
Sent: Thursday, June 28, 2012 8:48 AM
To: Johnson, J D (DFG)
Cc: Quinn, Tess (DFG)
Subject: FW: 111-50-10100-2102

J.

Below is the input/info that Anthony provided regarding the conflict between the hydrography we provided with our nomination and the hydrography that Tess provided with her nomination. I realize you won't likely have access to the photos that Anthony refers to in his email, but I can send them to you if you think they will be useful at all.

A few points of clarification regarding things Anthony mentioned in his email. The "Phase I" survey he referred to was the habitat mapping portion of his steelhead project. He used waypoints taken during our habitat mapping surveys to update the hydrography for the watershed. As Anthony mentioned, we believe the hydrography we provided with our nominations is accurate, but might be shifted slightly due to GPS accuracy. That said, we conducted our steelhead surveys in the Peterson Creek watershed between 2007 and 2008. It is possible that the hydrography has changed slightly since we were last out there and I believe that Tess conducted her Juneau area AWC surveys in 2010, which is more recent than our surveys. I'm not sure how they go about their surveys and updating their hydrography, but I'm sure they stand behind their updates as well. Perhaps going with the most recent version might be best? Just an idea to consider to be able to consistently address any other conflicts in hydrography that might come up as you review the rest of the Peterson Creek watershed.

The other point of clarification I want to make regarding Anthony's email is that the "PAO-10" that he mentioned is just the naming system we used for his steelhead surveys to identify the different sections of stream with a particular stream channel type. PAO-10 is the 111-50-10100-2102-XXX1 tributary that I submitted a nomination form for.

So, ultimately it will depend on how you want to proceed and on what Tess has to say. I know we definitely stand behind our hydrography updates, but will understand if you decide to use Tess's more recently collected hydrography and just include our fish observations as supplemental/supporting data instead.

Please let me know if you have any further questions or if you would like me to provide you with photos from our habitat survey or if you would like a map with all waypoints taken on that section of stream during our surveys.

Thanks,
Kercia

From: Crupi, Anthony P (DFG)
Sent: Wednesday, June 27, 2012 4:13 PM

To: Schroeder, Kercia L (DFG)
Subject: RE: 111-50-10100-2102

Hi Kercia-

I went thru the AWC files. Water did not follow the 11-509 track when I surveyed it in 2007 and I think it is doubtful that it changed. Photos from the Phase I survey are in here

[V:\Projects\PTR17\photos](#) starting at IMGPO067 and then continuing up to the culvert in photo 93 with a trip up the PA0-10 (87-90) thereabouts.

From my memory the stream essentially follows the road and the photos show the road. The hydro update is accurate but shifted a bit b/c GPS accuracy and an effort at times to force the arc through the points, it should be a little further from the house(the point there is identified as permanent metal bridge PMB and FOP) , but you can see the bridge for their driveway in photo68.

I support the findings of you nomination.

Anthony P. Crupi
Washed up fisheries biologist

From: Schroeder, Kercia L (DFG)
Sent: Wednesday, June 27, 2012 3:12 PM
To: Crupi, Anthony P (DFG)
Subject: FW: 111-50-10100-2102

Anthony.

Thanks so much for taking a look at this. Is it ok with you if I forward your comments on to J?

Thanks,
Kercia

From: Johnson, J D (DFG)
Sent: Wednesday, June 27, 2012 2:42 PM
To: Schroeder, Kercia L (DFG); Quinn, Tess (DFG)
Subject: 111-50-10100-2102

Got a puzzler

Tess submitted nom () last year to change hydrography and lower pt location. Kercia's submission for -2102 (12-050) changes hydro and mouth pt but changes on 11-509 don't match changes on 12-150. Shall we flip a coin?

Johnson, J D (DFG)

From: Schroeder, Kercia L (DFG)
Sent: Monday, October 08, 2012 8:24 AM
To: Johnson, J D (DFG)
Subject: FW: AWC nomination questions for Peterson Creek

J,

Below is Tess's response regarding the questions you had about 111-50-10100-2102 and 2102-xxx1. Hopefully that includes enough information for you to go off of? I used the data that Anthony collected to put together my nominations, so it sounds like it might be best to go off of those to delineate these tribbs. Please let me know if you have any more questions or if you would like to have Tess look into it more. I can always resend the archived emails.

Thanks,
Kercia

From: Quinn, Tess (DFG)
Sent: Monday, October 08, 2012 8:13 AM
To: Schroeder, Kercia L (DFG)
Subject: RE: AWC nomination questions for Peterson Creek

Good morning!

So all my emails from June are archived, but I remember using Anthony's data to digitize streams in the Peterson area and I very well could have misrepresented the extents. If Anthony provided you with more detailed info about the area and it conflicts with what I interpreted, I'd go with whatever he says.

Thanks!
Tess

From: Schroeder, Kercia L (DFG)
Sent: Monday, October 08, 2012 8:07 AM
To: Quinn, Tess (DFG)
Subject: RE: AWC nomination questions for Peterson Creek

Tess,

No worries! Thanks for looking into it.

Kercia

From: Quinn, Tess (DFG)
Sent: Monday, October 08, 2012 8:01 AM
To: Schroeder, Kercia L (DFG)
Subject: RE: AWC nomination questions for Peterson Creek

Hi Kercia,
I totally forgot about those questions...I'll look into it. Thanks for reminding me!

Tess

From: Schroeder, Kercia L (DFG)
Sent: Friday, October 05, 2012 1:30 PM
To: Quinn, Tess (DFG)
Cc: Johnson, J D (DFG)
Subject: AWC nomination questions for Peterson Creek

Tess,

Earlier today I received an email from J Johnson to follow up on an email he sent to both of us back in June, asking about AWC nominations that we submitted for Peterson Creek. I know you were out of town during our email exchange, but it sounds like he still hasn't heard back from you and is hoping to get your input before he proceeds. I heard you are out sick today, but hopefully when you return we can get this resolved. I should be around most of next week, so let me know if you have any questions or if you need me to resend any of the emails from our exchange in June.

Thanks,
Kercia

Kercia Schroeder
ADF&G - SF Div.
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Juneau, AK 99811-0024
(907)465-8546 (phone)
(907)465-2034 (fax)
kercia.schroeder@alaska.gov

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Sportfish Division

Nomination Form
Anadromous Waters Catalog

ME

Region Southeastern USGS Quad(s) Juneau B-3

Anadromous Waters Catalog Number of Waterway 11-50-10100-2102

Name of Waterway _____ USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination #	<u>11-509</u>	<u>[Signature]</u>	<u>6/13/11</u>
Revision Year:	<u>2012</u>	Fisheries Scientist	Date
Revision to:	Atlas _____	<u>[Signature]</u>	<u>6/13/11</u>
	Both <u>X</u>	Habitat Operations Manager	Date
Revision Code:	<u>C-9</u>	<u>[Signature]</u>	<u>12/03/10</u>
		Area Project Biologist	Date
		<u>[Signature]</u>	<u>10/24/11</u>
		Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	10/09/2007			✓	✓

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Comments:

This stream in the Peterson/Caroline creek area was surveyed by Region V Sport Fish Division in October 2009. All points indicate an observation location of coho salmon. The observer was Anthony Crupi.
Coordinates (Lat.Long): Upper(58.48536,-134.77635) Lower(58.48272,-134.78127)

Revise hydrography no tracks use points

Name of Observer (please print): Tess Quinn

Signature: _____ Date: 12/03/2010

Agency: 146.63.139.55 (Web Nomination)

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): _____



111-50-10100-2102

revise hydrography for 111-50-10100-2102-3011
using schroeder\Peterson Creek\Shapefiles\PetersonCreek_AWC_ProposedNominations_2012_dissolve.shp (fid 2)

