



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

Nomination Form
Anadromous Waters Catalog

Region: Southeastern

USGS Quad(s): Craig D-2

Anadromous Waters Catalog Number of Waterway: 106-10-10100

Name of Waterway: Ratz Creek

Is this a USGS Name OR Local Name _____?

Type of Nomination (Circle One): Addition

Deletion Correction Backup Information
For Office Use

Nomination # <u>120130</u> Revision Year: <u>2013</u> Revision to: Atlas _____ Catalog _____ Both <input checked="" type="checkbox"/> Revision Code: <u>B-6, B-2, A-1</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; text-align: center; border-bottom: 1px solid black;"><u>[Signature]</u></td> <td style="width: 40%; text-align: center; border-bottom: 1px solid black;"><u>9/4/12</u></td> </tr> <tr> <td style="text-align: center;">Fisheries Scientist</td> <td style="text-align: center;">Date</td> </tr> <tr> <td style="text-align: center; border-bottom: 1px solid black;"><u>[Signature]</u></td> <td style="text-align: center; border-bottom: 1px solid black;"><u>9/4/12</u></td> </tr> <tr> <td style="text-align: center;">Habitat Operations Manager</td> <td style="text-align: center;">Date</td> </tr> <tr> <td style="text-align: center; border-bottom: 1px solid black;"><u>[Signature]</u></td> <td style="text-align: center; border-bottom: 1px solid black;"><u>6/10/12</u></td> </tr> <tr> <td style="text-align: center;">AWC Project Biologist</td> <td style="text-align: center;">Date</td> </tr> <tr> <td style="text-align: center; border-bottom: 1px solid black;"><u>[Signature]</u></td> <td style="text-align: center; border-bottom: 1px solid black;"><u>9.18.12</u></td> </tr> <tr> <td style="text-align: center;">Cartographer</td> <td style="text-align: center;">Date</td> </tr> </table>	<u>[Signature]</u>	<u>9/4/12</u>	Fisheries Scientist	Date	<u>[Signature]</u>	<u>9/4/12</u>	Habitat Operations Manager	Date	<u>[Signature]</u>	<u>6/10/12</u>	AWC Project Biologist	Date	<u>[Signature]</u>	<u>9.18.12</u>	Cartographer	Date
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OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Chum salmon	8/18/2009, 9/29/2009, 9/30/2009			Yes; count = 12	Yes
Coho salmon	8/18-8/20/2009, 9/29-10/2/2009, 4/27-4/28/2010, 6/26-6/28/2010, 5/11/2011		Yes; count = 3,518	Yes; count = 3,783	Yes
Pink salmon	8/19/2009, 9/29/2009, 10/2/2009			Yes; count = 948	Yes
Sockeye salmon	8/18-8/20/2009, 9/30-10/2/2009, 4/28/2010, 6/26-6/27/2010, 5/11/2011		Yes; count = 46	Yes; count = 383	Yes
Steelhead	9/29/2009, 4/27-4/28/2010, 5/11/2011			Yes; count = 192	Yes
Cutthroat trout	4/29/2010, 6/28/2010, 5/11/2011		Yes; count = 3	Yes; count = 49	Unknown
Dolly Varden	8/20/2009, 10/1/2009, 6/28/2010		Yes; count = 35	Yes; count = 175	Unknown
Rainbow trout	10/1/2009, 4/29/2010, 6/28/2010		Yes; count = 14	Yes; count = 21	Unknown

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 Ratz Creek watershed on Prince of Wales Island. Fish observation methods consisted primarily of snorkel surveys, but also included 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

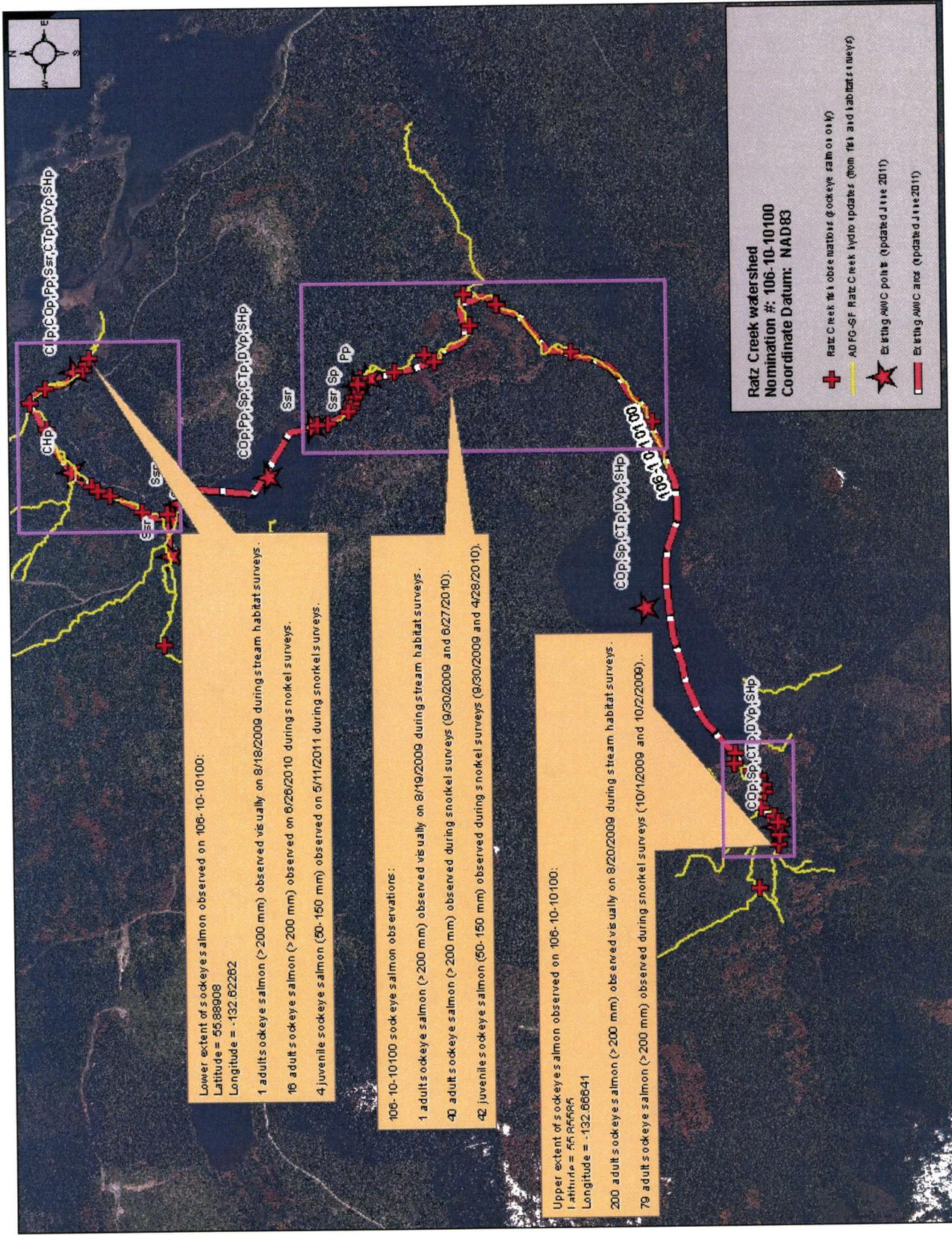
Signature: [Signature]

Date: 3/6/2012

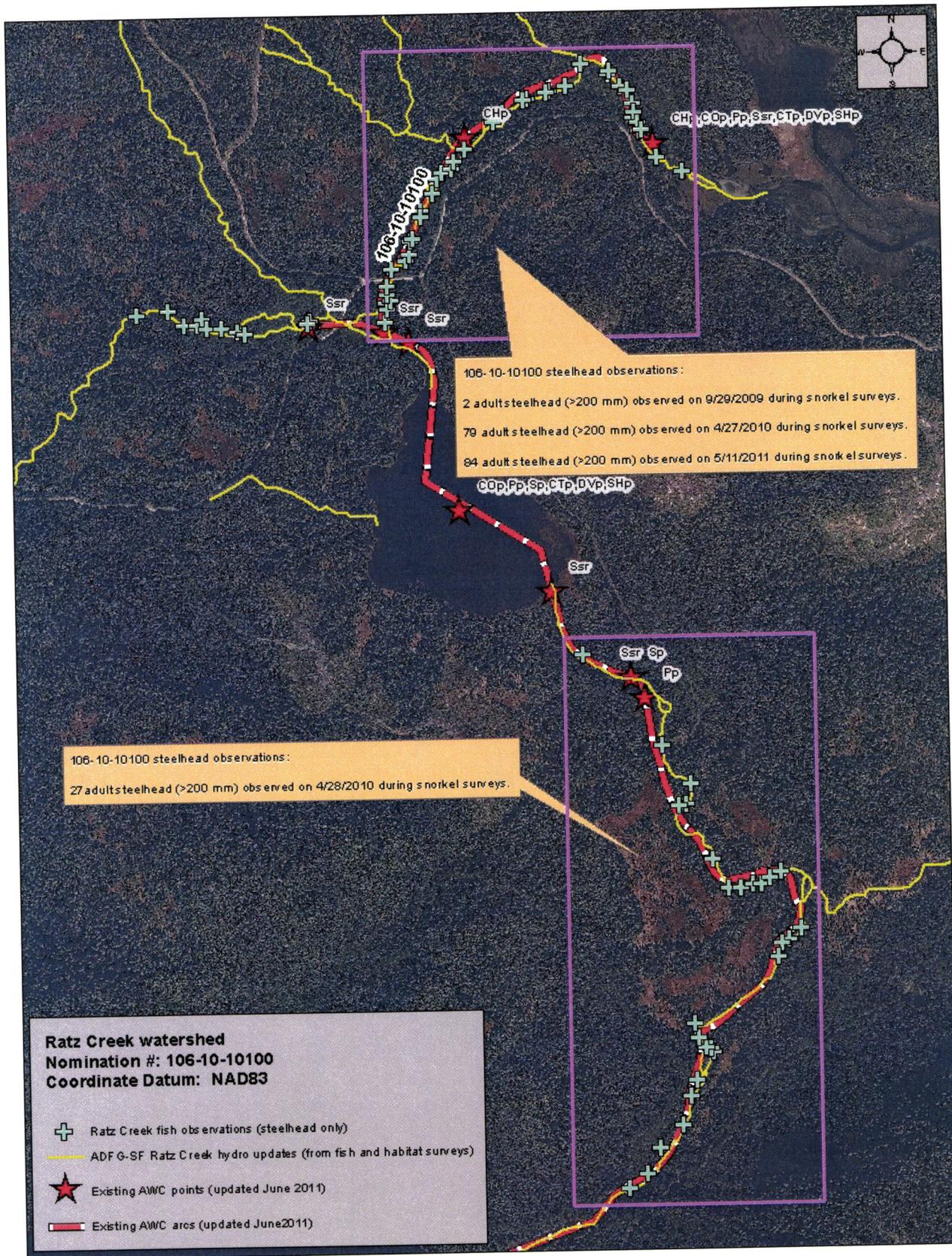
Agency:

ADF&G, Sport Fish Division

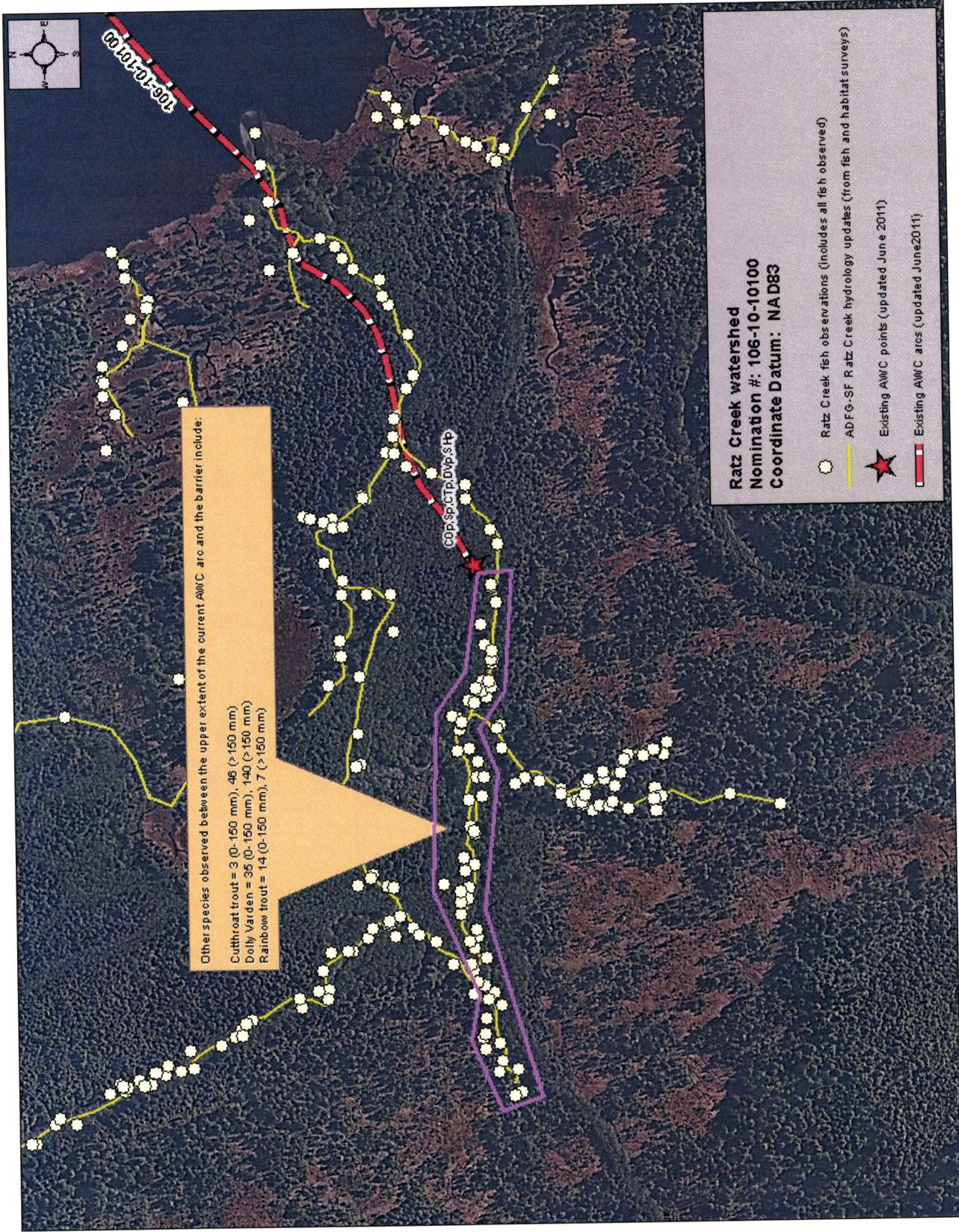
add - Extend sockeye salmon rearing in stream
Extend coho salmon rearing
Extend chum salmon present
Extend pink salmon present
Extend coho salmon present
Extend steelhead w/ sockeye salmon present



Map identifying locations where sockeye salmon were observed in 106-10-10100. These observations support extending the current upper extent for sockeye salmon in the existing AWC.



Map identifying locations where **steelhead** were observed in 106-10-10100. These observations provide backup information to support the existing AWC; however, they do not extend the current extent for steelhead in the existing AWC.



Map identifying locations where **other species** were observed in 106-10-10100. Surveys stopped at a barrier falls (barrier height was approximately 4.8 m).

GIS shapefile descriptions

Peterson Creek

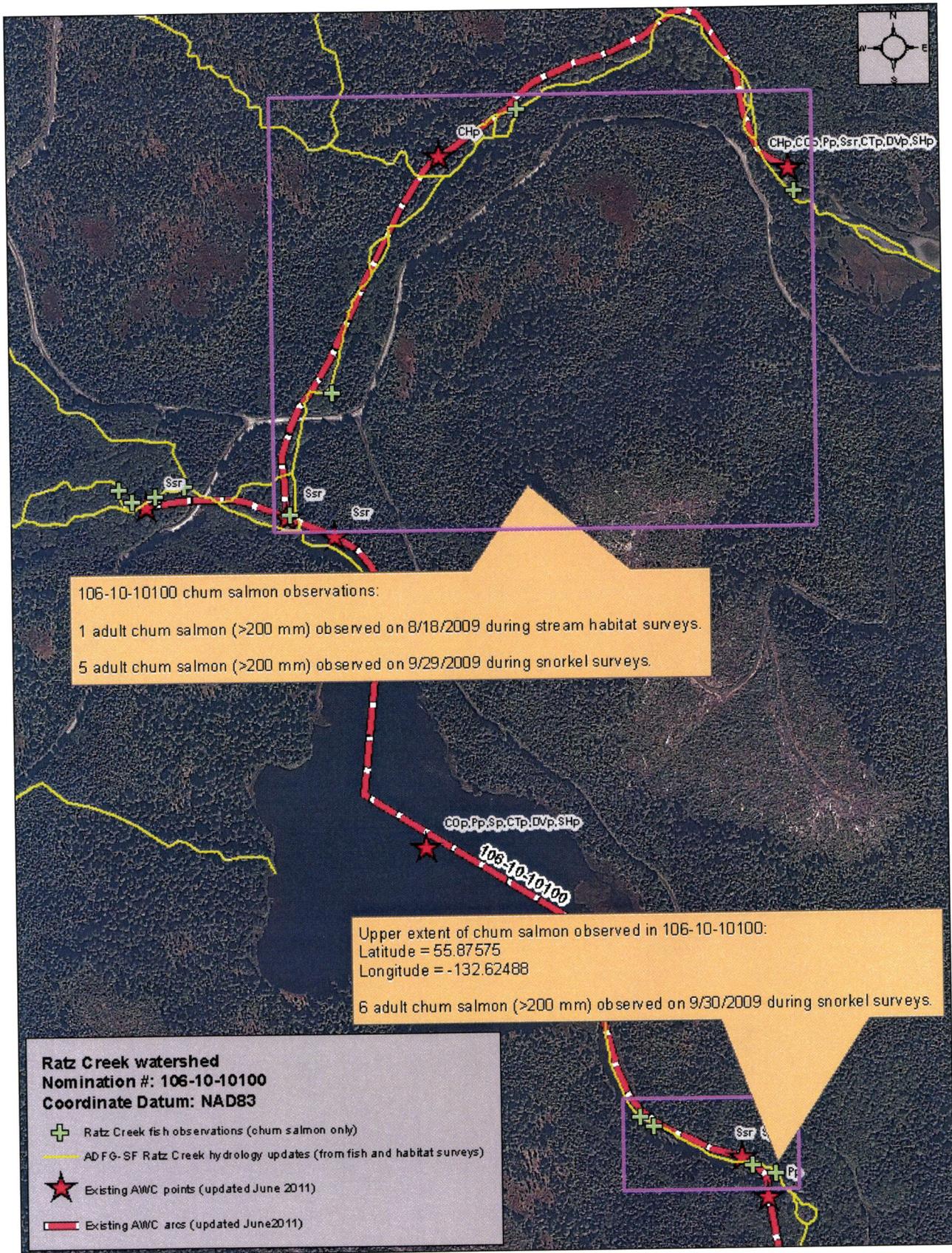
- [PetersonCreek_AllFishObservations.shp](#) - point shapefile that includes all fish observations, for all species observed during stream habitat and fish use surveys conducted in this watershed.
- [PetersonCreek_AWC_AnadromousFish.shp](#) – point shapefile that includes all anadromous fish observations 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:

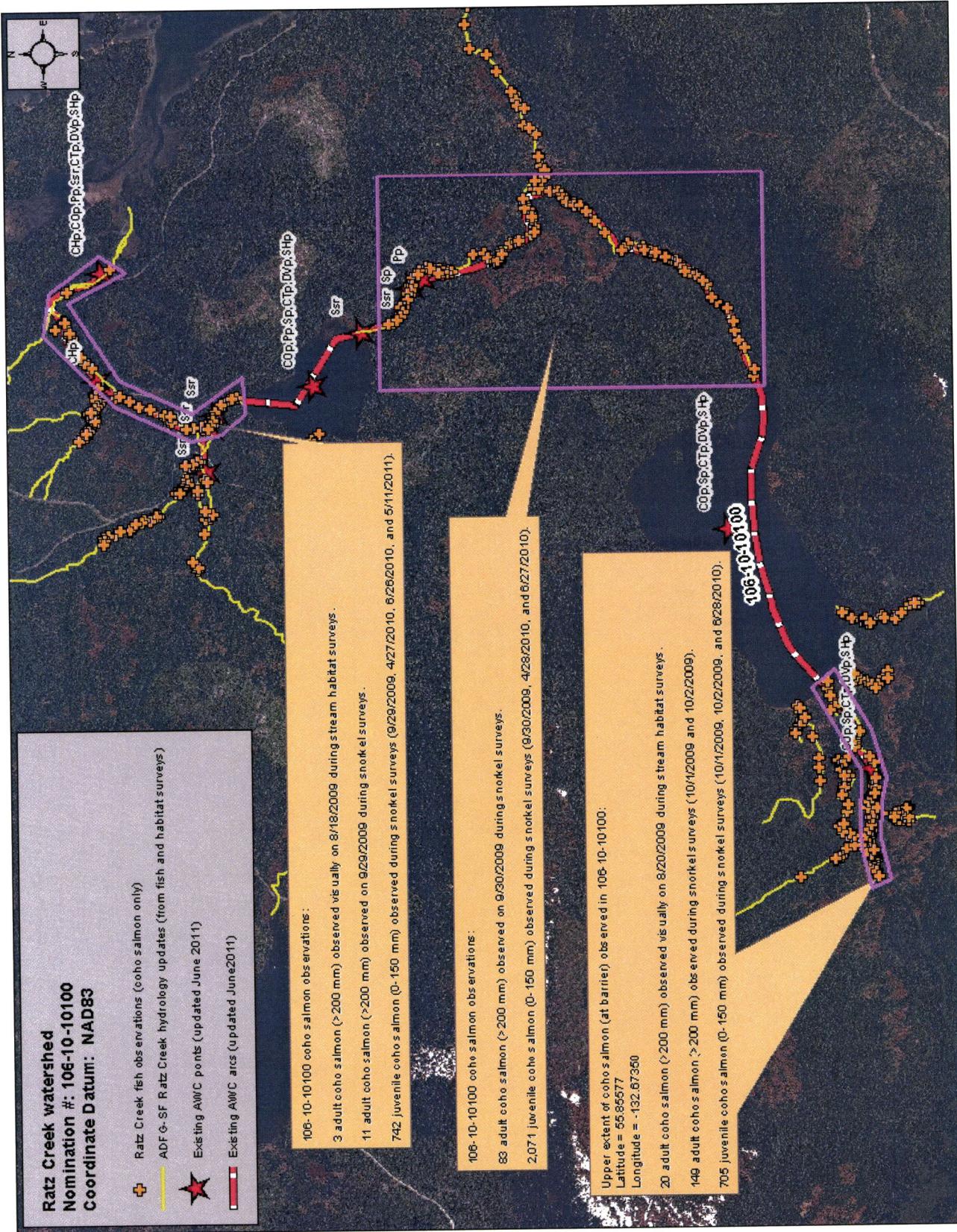
- [OdysseyDB_FOP_Updated_2012_Ratz_2.shp](#) - point shapefile that includes all fish observations, for all species observed during stream habitat and fish use surveys conducted in this watershed.
- [RatzCreek_AWC_AnadromousFish.shp](#) - point shapefile that includes all anadromous fish observations 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:

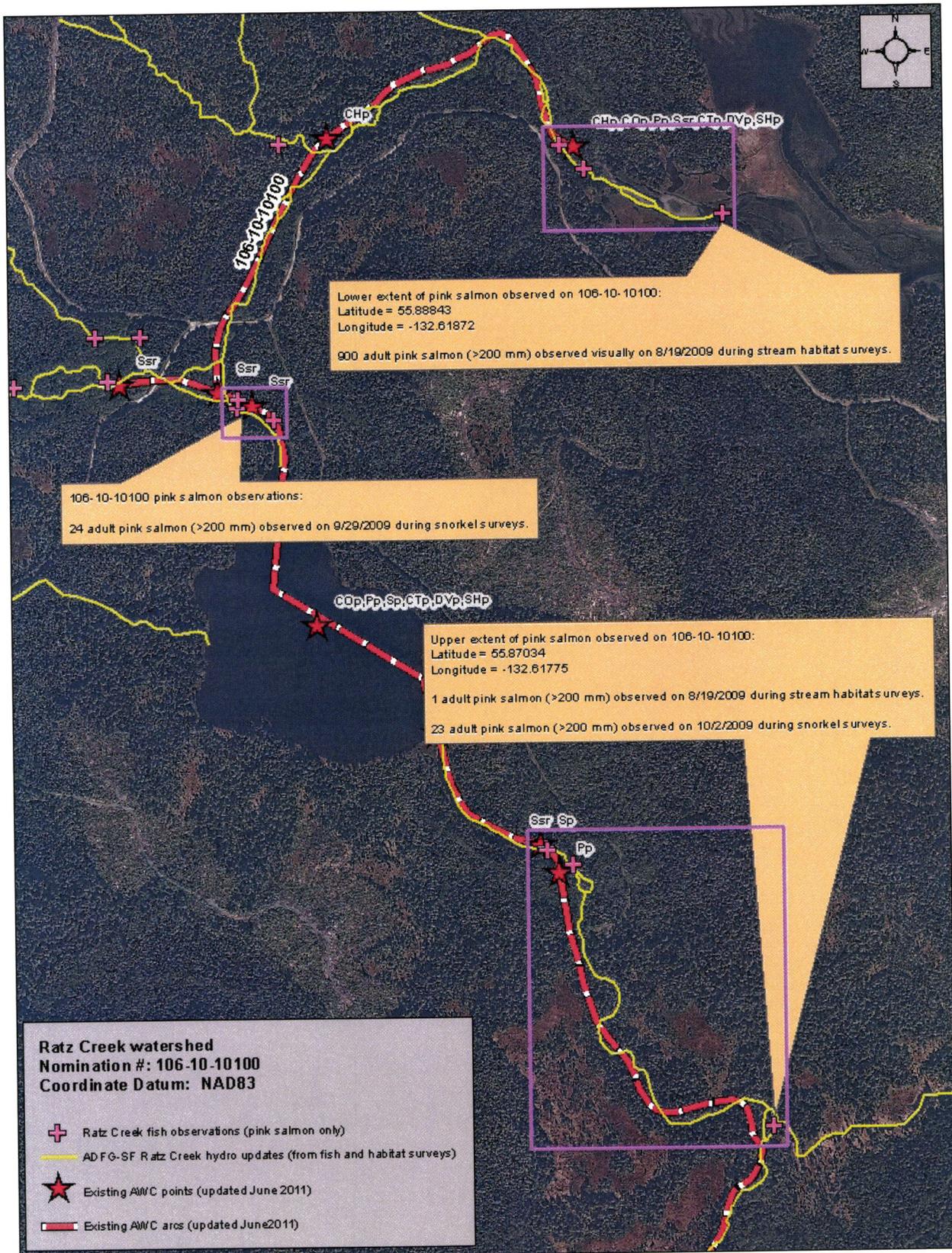
- [SAS19_FOP_All.shp](#) - point shapefile that includes all fish observations, for all species observed during stream habitat and fish use surveys conducted in this watershed.
- [SAS_Features_All.shp](#) - point shapefile that includes all waypoints taken during stream habitat and fish use surveys in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



Map identifying locations where **chum salmon** were observed in 106-10-10100. These observations support extending the current upper extent for chum salmon in the existing AWC.



Map identifying locations where coho salmon were observed in 106-10-10100. These observations support extending the current upper extent for coho salmon in the existing AWC. Surveys stopped at a barrier falls (barrier height was approximately 4.8 m).

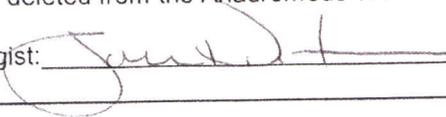


Map identifying locations where **pink salmon** were observed in 106-10-10100. These observations support extending the current upper extent for pink salmon in the existing AWC. This also contains the lowest waypoint taken during surveys, which is lower than the lowest existing AWC point for this stream.

Address: Southeast Regional Office, 802 3rd Street, PO Box 110024, Douglas, 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:



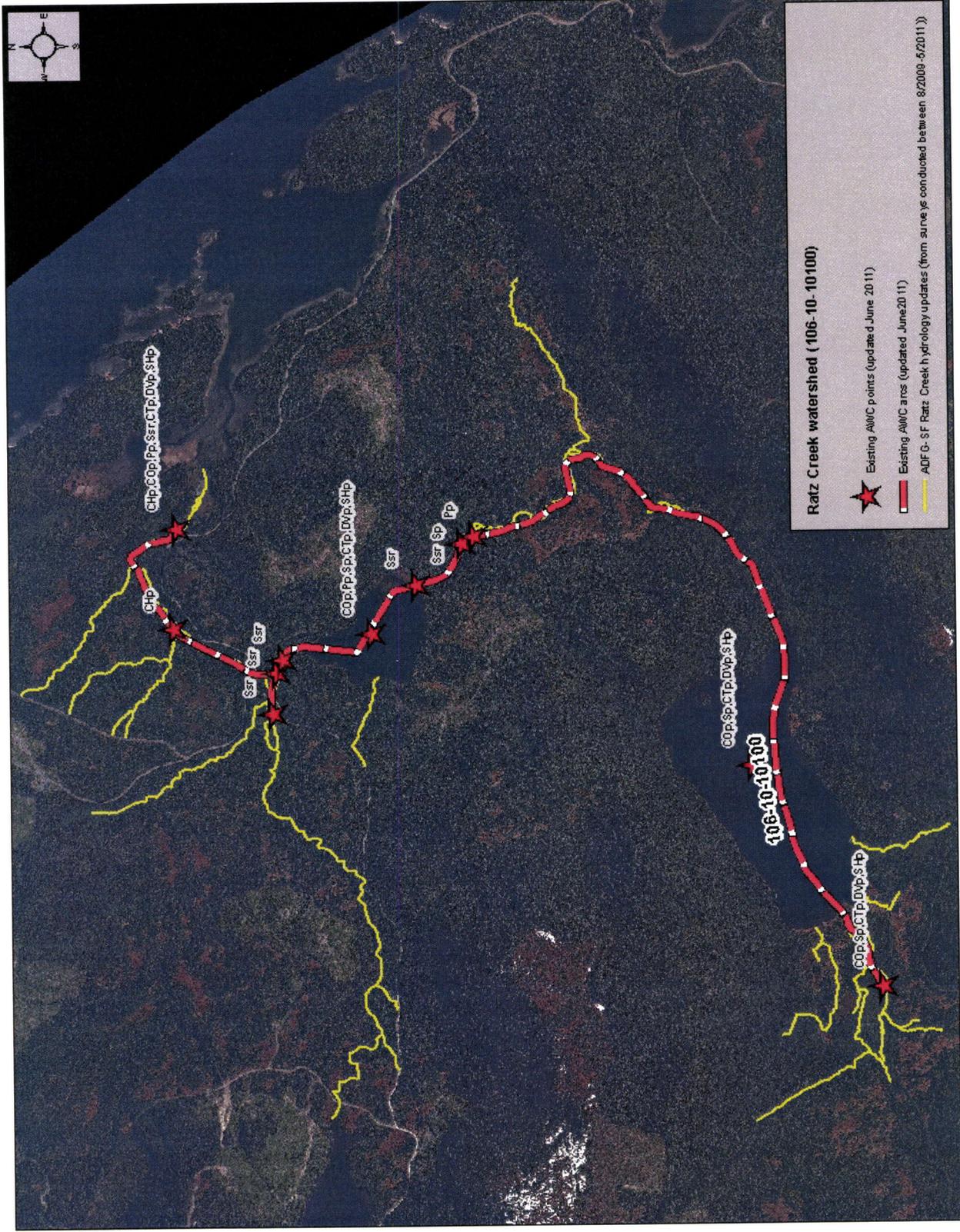
Date

3/6/12

Revision

02/08

Attachment Pages and Supporting Information



Map showing existing AWC points and arcs in Ratz Creek watershed (106-10-10100). Map also shows updated stream hydrography based on 724 waypoints taken throughout the watershed during stream habitat surveys conducted for this project.

Add coho salmon rearing to 106-10-10100 and extend stream, extend sockeye salmon rearing & present extend pink salmon, chum salmon, coho salmon, and Steelhead Trout present, move lower pt downstream, update hydrography using RatzCreek_AWC_ProposedNominations_2012_clipped

