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: **106-10-10100-2006**

Name of Waterway: **Ratz Creek** Is this a USGS Name X_____ OR Local Name_____?

Type of Nomination (Circle One): Addition Deletion Correction Backup Information

For Office Use

Nomination # 120136		
Revision Year: 2013	Fisheries Scientist	9/4/12 Date
	Habitat Operations Manager	9/4/12 Date
Revision to: Atlas_____ Catalog_____ Both ✓	AWC Project Biologist	6/18/12 Date
Revision Code: A-1, B-1, C-9	Cartographer	9/19/12 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Chum salmon	10/2/2009			Yes; count = 4	Yes
Coho salmon	10/2/2009, 6/29/2010		Yes; count = 33	Yes; count = 47	Yes
Pink salmon	8/18/2009, 10/2/2009			Yes; count = 6	Yes
Sockeye salmon	6/29/2010			Yes; count = 1	Yes
Steelhead	4/30/2010, 5/11/2011			Yes; count = 20	Yes
Cutthroat trout	10/2/2009, 4/30/2010, 6/29/2010		Yes; count = 10	Yes; count = 36	Unknown
Dolly Varden	10/2/2009, 6/29/2010		Yes; count = 27	Yes; count = 53	Unknown
Rainbow trout	10/2/2009, 6/29/2010, 5/11/2011		Yes; count = 172	Yes; count = 227	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. Extend w/ chum salmon present, coho salmon present, rearing, steelhead trout present, pink salmon present

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.

Ref number 12-130

Name of Observer (please print): Kercia Schroeder

Signature: Kercia Schr Date: 3/6/2012

Agency: ADF&G, Sport Fish Division

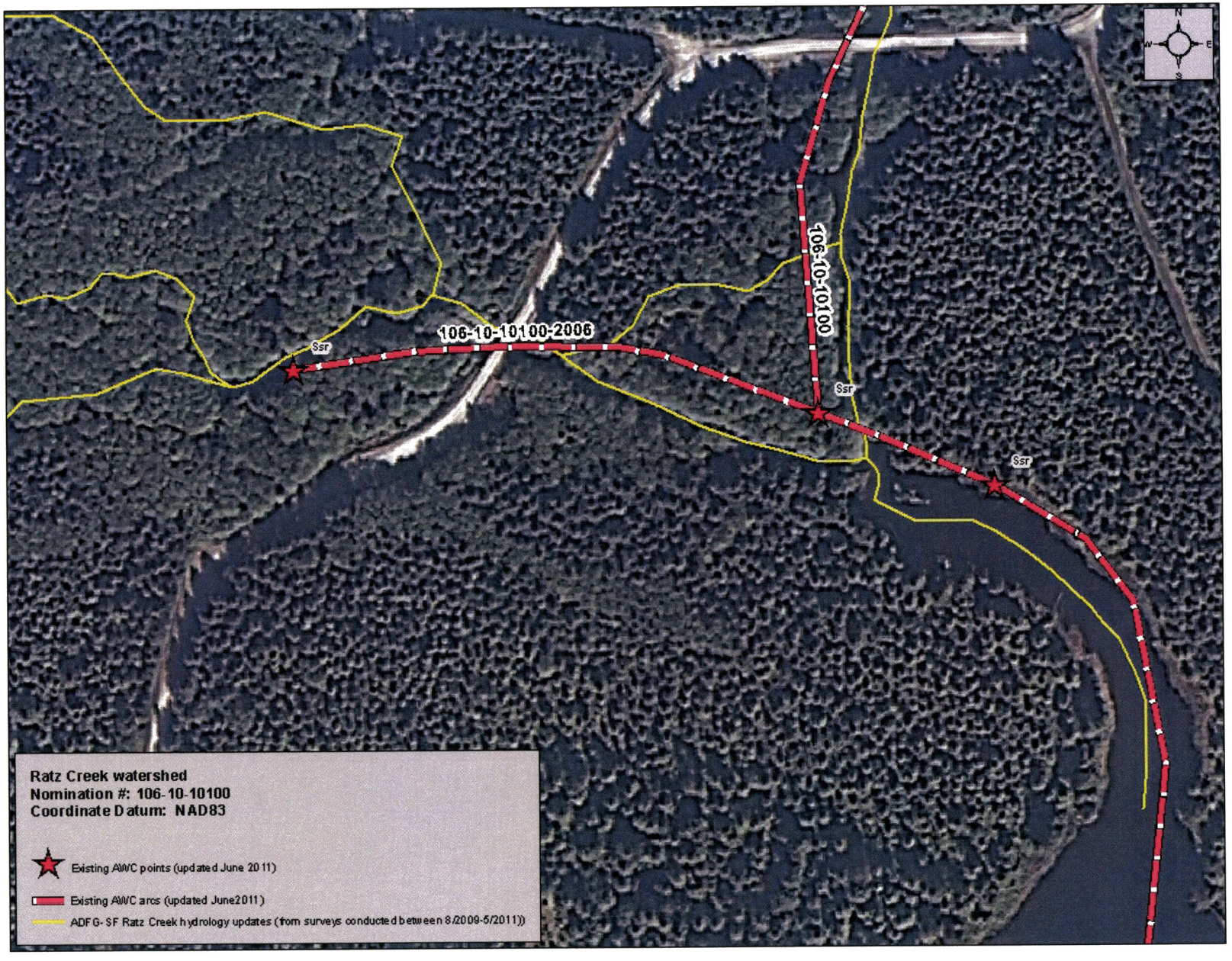
Address: Southeast Regional Office, 802 3rd Street, PO Box 110024, Douglas, AK 99811-0024

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.

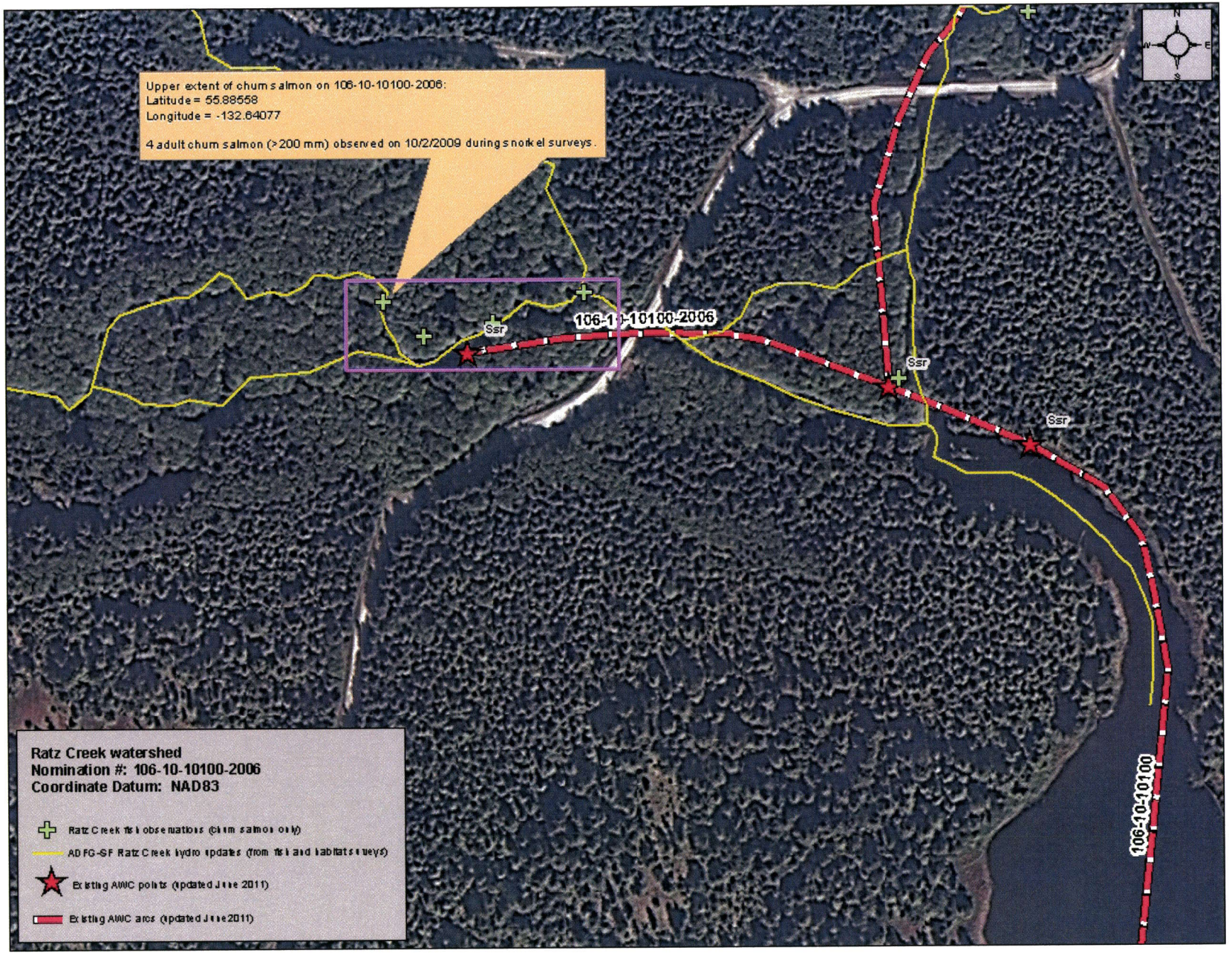
Signature of Area Biologist: _____ Date 3/6/12 Revision

02/08

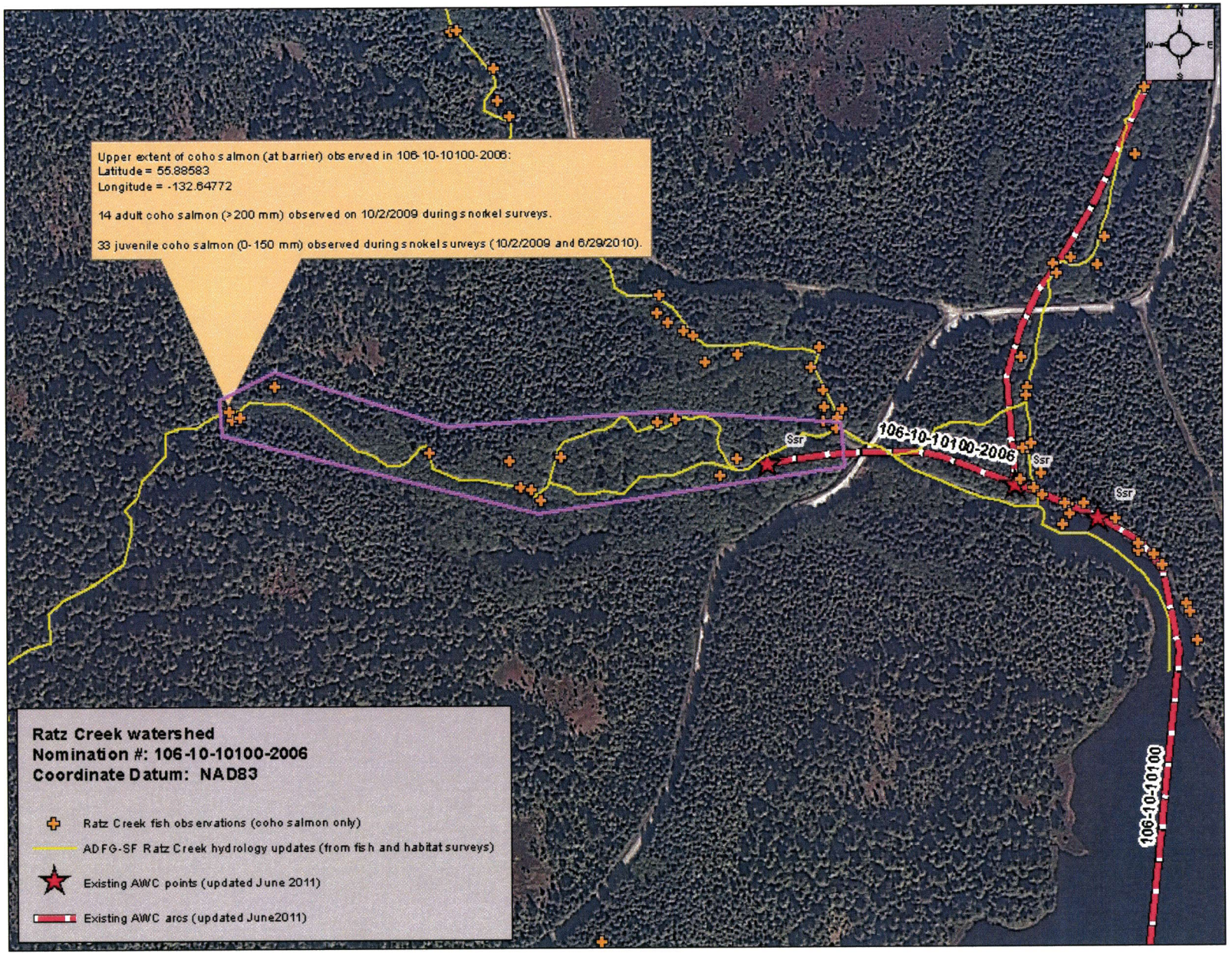
Attachment Pages and Supporting Information



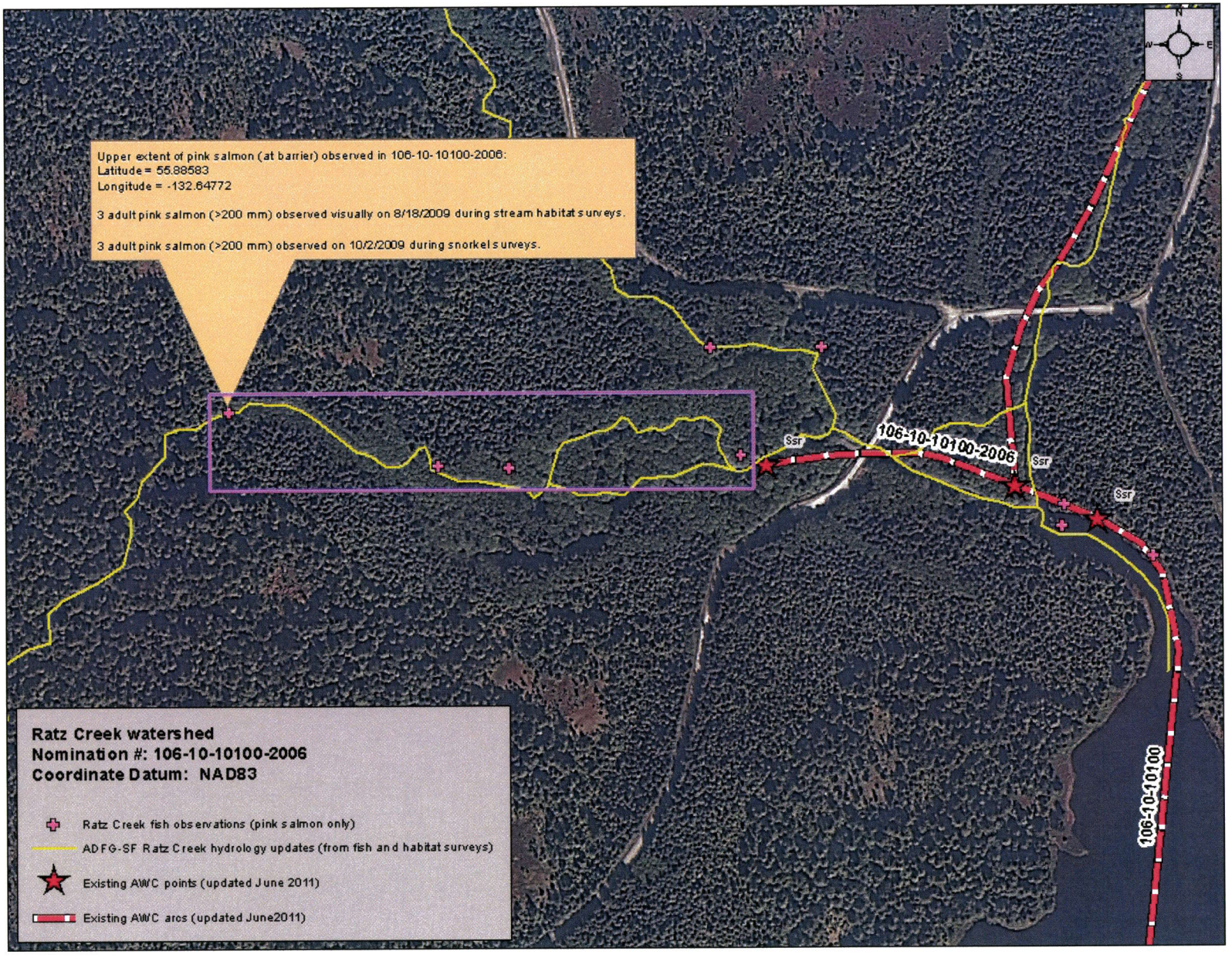
Map showing existing AWC points and arcs in AWC stream 106-10-10100-2006 in Ratz Creek watershed (106-10-10100). Map also shows updated stream hydrography based on 724 waypoints taken throughout the watershed during stream habitat surveys conducted for this project.



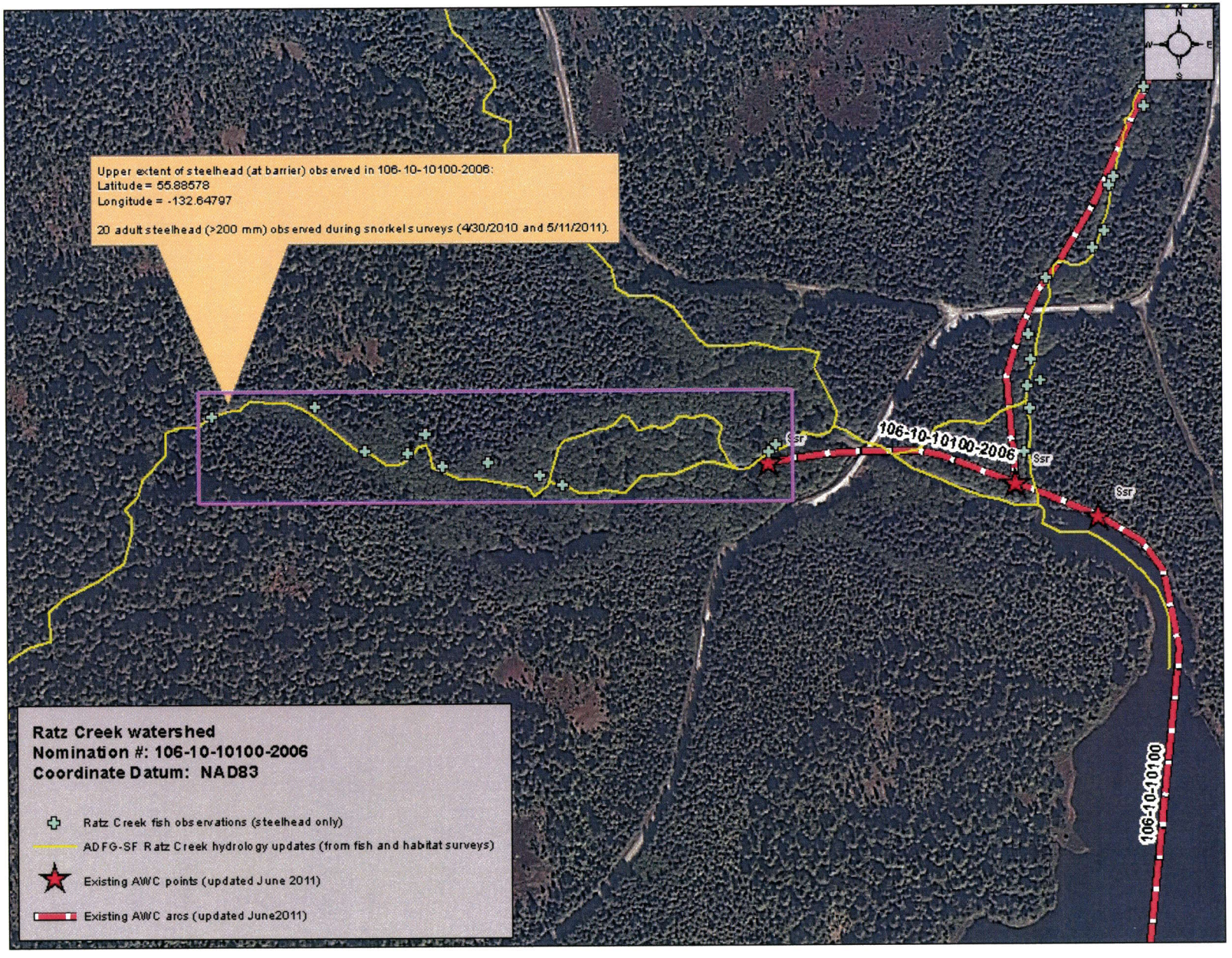
Map identifying locations where **chum salmon** were observed in 106-10-10100-2006. These observations support the addition of chum salmon to 106-10-10100-2006 and should extend the current upper extent for the existing AWC.



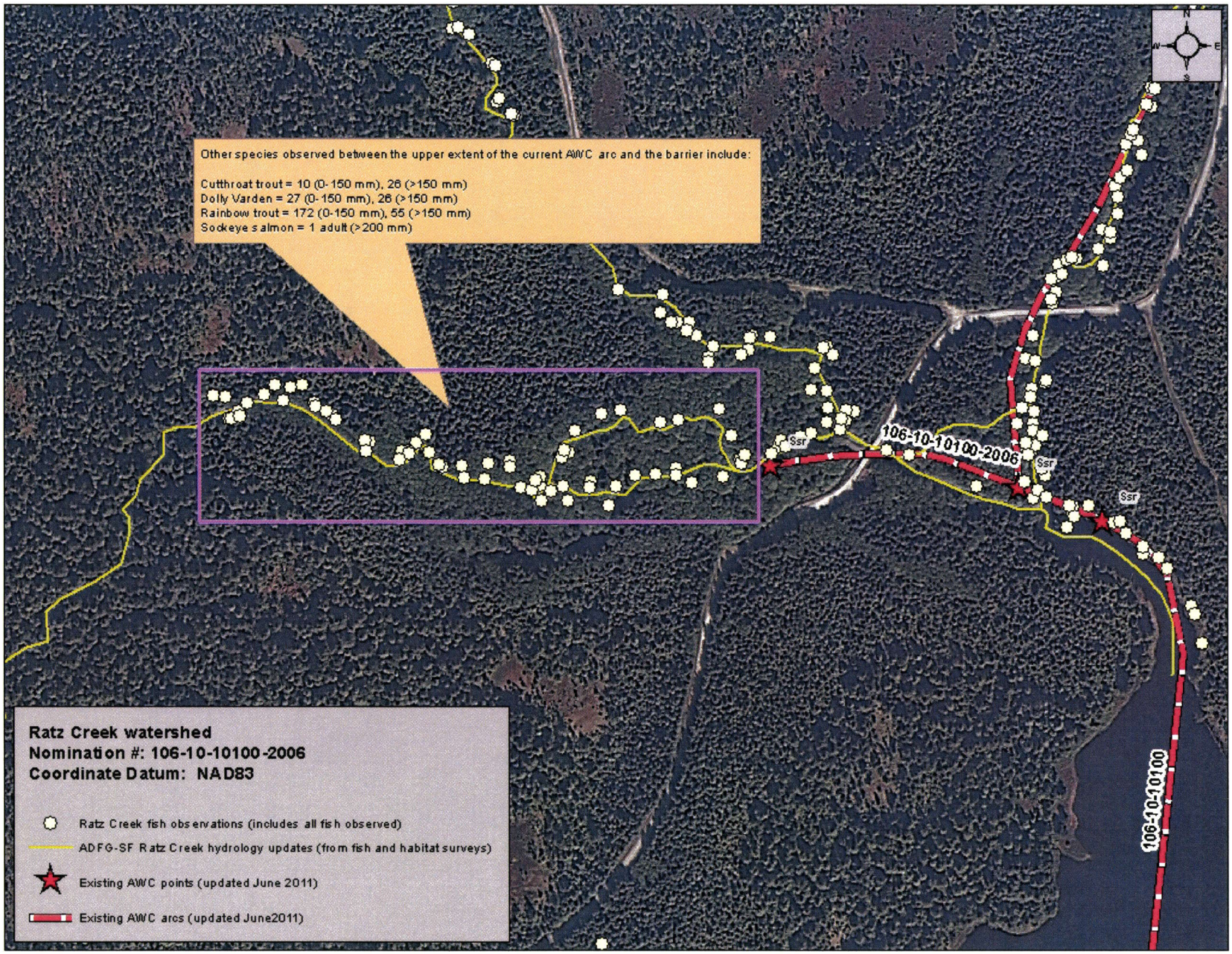
Map identifying locations where **coho salmon** were observed in 106-10-10100-2006. These observations should support the addition of coho salmon to 106-10-10100-2006 and should extend the current upper extent for the existing AWC. Surveys stopped at a barrier falls (barrier height was approximately 4.0 m).



Map identifying locations where **pink salmon** were observed in 106-10-10100-2006. These observations should support the addition of pink salmon to 106-10-10100-2006 and should extend the current upper extent for the existing AWC. Surveys stopped at a barrier falls (barrier height was approximately 4.0 m).



Map identifying locations where **steelhead** were observed in 106-10-10100-2006. These observations should support the addition of steelhead to 106-10-10100-2006 and should extend the current upper extent for the existing AWC. Surveys stopped at a barrier falls (barrier height was approximately 4.0 m).



Map identifying locations where **other species** were observed in 106-10-10100-2006. Surveys stopped at a barrier falls (barrier height was approximately 4.0 m).

GIS shapefile descriptions

Peterson Creek

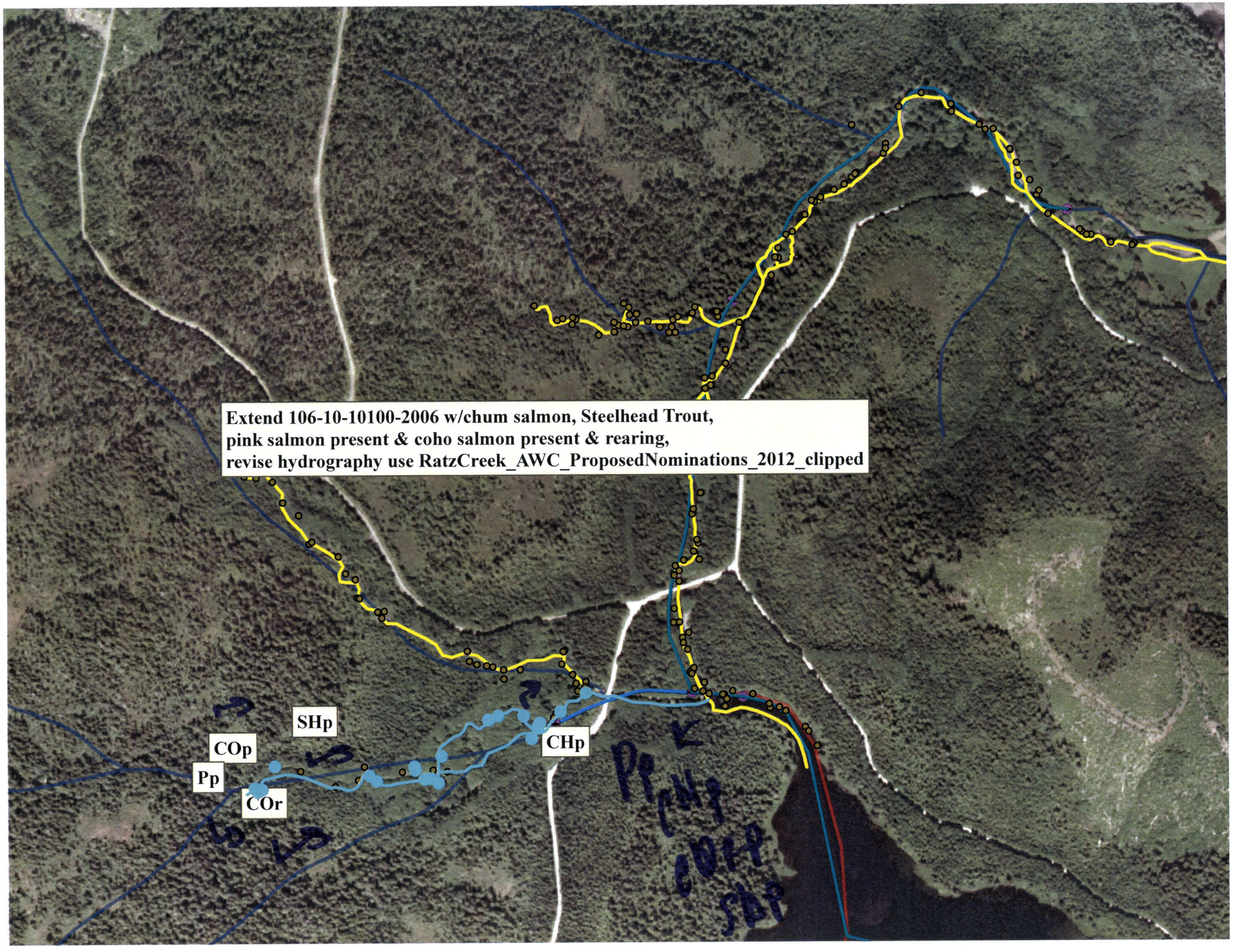
- PetersonCreek_AllFishObservations.shp - point shapefile that includes all fish observations, for all species observed during stream habitat and fish use surveys conducted in this watershed.
- PetersonCreek_AWC_AnadromousFish.shp – point shapefile that includes all anadromous fish observations made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


Extend 106-10-10100-2006 w/chum salmon, Steelhead Trout,
pink salmon present & coho salmon present & rearing,
revise hydrography use RatzCreek_AWC_ProposedNominations_2012_clipped
SHp
COp
Pp
COr
CHp