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

Nomination Form
Anadromous Waters Catalog

Region: Southwest

USGS Quad(s): Kodiak C-2NW

AWC Number of Water Body: 259-22-10030-2003-3012

Name of Water body: Unnamed Tributary Salonie Creek ☐ USGS Name ☑ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination # 150180

Revision Year: 2016

Revision to: Atlas ____ Catalog ____ Both X

Revision Code: A-2

James J Hasbrouck — Fisheries Scientist — 8/31/2015 Date

Habitat Operations Manager — 8/31/15 Date

AWC Project Biologist — 4 Jun 15 Date

GIS Analyst — 9/7/15 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho	5/21/2015		X		☑
Dolly Varden				X	☐
					☐
					☐
					☐

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

During a joint Kodiak Island Borough sampling effort we sampled an unnamed tributary of Salonie Creek with an electrofisher (IDENT 513) Figure 1. Please see the May 19-22, 2015 Trip Report.

ALASKA DEPT. OF FISH & GAME
JUN 01 2015

Add new creek w/ coho salmon rearing.

Name of Observer (please print): Will Frost, Habitat Biologist

Signature: _____ Date: 5/28/2015

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: _____

Name of Area Biologist (please print):

Revision 11/13

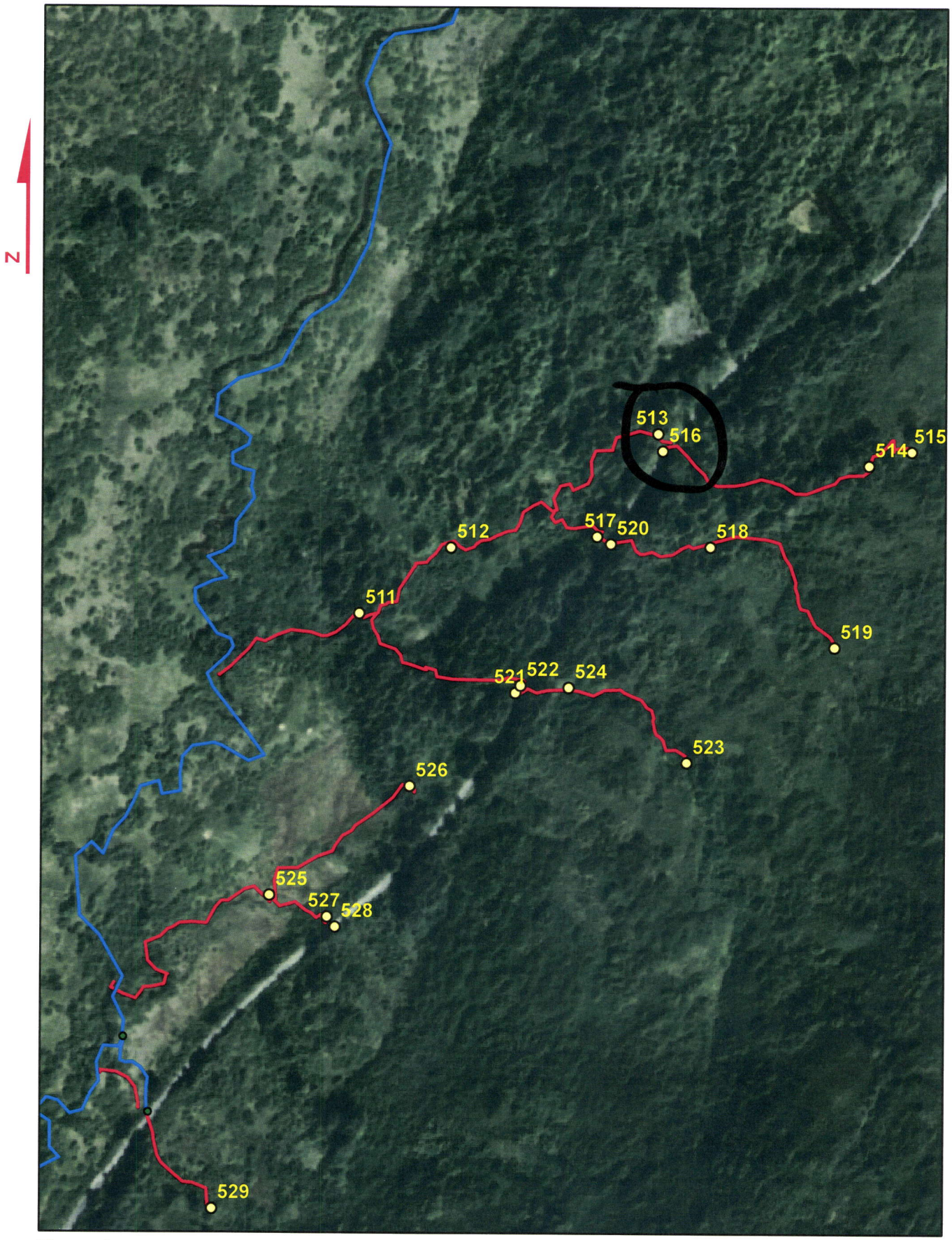


Figure 1

ADF&G

MEMORANDUM

State of Alaska
Department of Fish and Game
Division of Habitat

TO: Michael Daigneault
Central Region
Regional Supervisor

DATE: June 1, 2015

PHONE NO: 267-2813

FROM: Will Frost WF
Habitat Biologist

SUBJECT: AKSSF AWC Survey: Kodiak Island
May 2015

On May 19 through 22, 2015, I joined Janel Day, Kodiak Island Borough (KIB) on Kodiak Island for the purpose of sampling waters on KIB lands 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 50-foot riparian development setback required under the KIB code. 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 rain and cool.

On the afternoon of May 19, Ms. Day and I flew with Maritime Helicopters of Kodiak to Eagle Harbor on Kodiak Island. We landed adjacent to Stream No. 259-42-10039. We used an electrofisher to sample an unnamed tributary of the stream. We sampled about 250 meters of the stream to the headwaters located at a spring. We captured 5 juvenile sockeye salmon (45-55 mm fork length (FL)) (Figure 1). The unnamed tributary will be nominated to the Anadromous Waters Catalog.

We walked to Stream No. 259-42-10040. The Anadromous Waters Catalog depicts the outlet of the stream flowing into Eagle Harbor. We attempted to locate the outlet of the stream, but no defined channel exists in the lower reach. We located the outlet of Stream No. 259-42-10040 where it flows into Stream No. 259-42-10039-2003. I used a Garmin hand held GPS to map the correct location of the outlet of Stream No. 259-42-10040. The correct outlet of Stream No. 259-42-10040 will be nominated for update to the Anadromous Waters Catalog.

We walked upstream on Stream No. 259-42-10040 and sampled about 700 meter of the stream (Figure 2). We captured 3 juvenile coho salmon (55 mm FL). About 1 kilometer above the confluence of Stream No. 259-42-10039-2003, we located an unnamed tributary to Stream No. 259-42-10040 and sampled about 350 meters to the headwater located at a pond (Figure 3). We captured 13 juvenile sockeye salmon (65-75 mm FL) (Figure 4). The unnamed tributary will be nominated to the Anadromous Waters Catalog.

We returned to the helicopter and flew about 5 kilometers up Stream No. 259-42-10040 and landed on a gravel bar (Figure 5). We sampled about 100 meters of the stream and captured 2 juvenile coho salmon (70 and 110 mm FL). The juvenile coho salmon will be nominated for update to the Anadromous Waters Catalog.

On the morning of May 20, we were unable to fly to Eagle Harbor because of poor weather conditions. Ms. Day and I drove to Salonie Creek (Stream No. 259-22-10030). The KIB may develop a gravel extraction site in the vicinity of the stream. Specified tributary streams to Salonie Creek in the proposed project area have no supporting documentation in the Anadromous Waters Catalog. The purpose of our survey was to document anadromous fish use in the project area. We walked about 2 kilometers on an existing ATV trail to Stream No. 259-22-10030-2013-3007. We observed recent bed load deposition in and along the stream channel (Figure 6). Because of the bed load, the stream flow was subsurface where the ATV trail crosses the stream. The stream habitat upstream of the ATV crossing was poor. We used a GPS to map about 580 meters of the existing stream channel from the upper extent of the specified reach downstream to where it flows into Stream No. 259-22-10030-2013. We sampled about 310 meters of Stream No. 259-22-10030-2013-3007 below the ATV crossing and captured 2 Dolly Varden (75 and 110 mm FL). We will return to the stream in late summer to re-sample the stream. The correct stream location will be nominated for update to the Anadromous Waters Catalog.

We sampled about 150 meters of Stream No. 259-22-10030-2013 (Figure 7). We captured 2 Dolly Varden (80 and 110 mm FL). Because of high water, we ended our sampling effort. We will return to the stream in late summer to determine if juvenile or adult salmon are present.

We walked to the location of Stream No. 259-22-10030-2013-3003 as depicted in the Anadromous Waters Catalog. No stream channel exists in the location depicted in the Anadromous Waters Catalog. We walked an additional 320 meters and located recent bed load deposition in the forest above the ATV trail (Figure 8). We walked about 225 meters above the trail and no flowing surface water was present. We walked about 150 meters below the trail to Salonie Creek. No defined stream channel was present and no evidence of surface water flow was observed. Stream No. 259-22-10030-2013-3003 will be nominated for removal from the Anadromous Waters Catalog.

We sampled a 150 meter reach of a branch to Salonie Creek and captured 35 young-of-year coho salmon. No length measurements were taken for the coho salmon. The coho salmon will be nominated for update to the Anadromous Waters Catalog.

On the morning of May 21 we sampled 5 unnamed tributaries to Stream No. 259-22-10030-2003. The streams flow across the Salonie Creek Rifle Range Road through culverts that have been surveyed for fish passage. The survey data is located in the Alaska Department of Fish and Game (ADF&G) Fish Resource Monitor.* The first stream sampled flows through culvert (SCRRR02) (Figure 9). We sampled downstream of the road about 375 meters to Stream No. 259-22-10030-2003. We captured 10 juvenile coho salmon (65-110 mm FL). We captured 20 Dolly Varden. We measured 5 Dolly Varden (35-100 mm FL). We sampled upstream of the road about 200 meters to a 5-feet high barrier. We captured 4 Dolly Varden. No length measurements were taken for the Dolly Varden. The unnamed stream will be nominated to the Anadromous Waters Catalog.

* Complete culvert survey data located at: http://extra.sf.adfg.state.ak.us/FishResourceMonitor/?mode=awc

We sampled 2 tributaries to the previously sampled tributary that flow through culverts (SCRRR03 and SCRRR04). We sampled downstream from culvert SCRRR03 about 40 meters to the confluence of the previously sampled stream (Figure 10). We captured 10 Dolly Varden. No length measurements were taken for the Dolly Varden. We sampled about 200 meters upstream of the road to a gradient barrier. We captured 5 Dolly Varden (45-70 mm FL). We sampled downstream from culvert SCRRR04 about 130 meters to the confluence of the first stream sampled (Figure 11). We captured about 30 young-of-year Dolly Varden. No length measurements were taken for the Dolly Varden. We sampled about 150 meters upstream to a gradient barrier. We captured 10 Dolly Varden. No length measurements were taken for the Dolly Varden. The ADF&G recommends culverts SCRRR02, SCRRR03, and SCRRR04 to be replaced with culverts designed for fish passage.

We sampled an additional unnamed tributary to Stream No. 259-22-10030-2003. The stream flows through a perched plastic culvert. The culvert is not documented in the ADF&G Fish Resource Monitor. We sampled about 215 meters downstream of the road to the confluence with Stream No. 259-22-10030-2003. We captured 12 juvenile coho salmon (47-75 mm FL). We observed an additional 50 juvenile coho salmon. No sampling was conducted upstream of the road. The stream flows from wetlands located above the road. We sampled about 130 meters of a tributary to the previously sampled stream. We ended our sampling effort at the headwater located at a spring. We captured 5 juvenile coho salmon (45-55 mm FL). The unnamed stream and tributary stream will be nominated to the Anadromous Waters Catalog.

On the afternoon of May 21, we set 4 baited minnow traps about 600 meters above the specified reach of Stream No. 259-22-10032 (Figure 12). On the morning of May 22 we removed the traps. The traps soaked about 17 hours. The traps captured 4 juvenile coho salmon (70-75 mm FL). The traps captured about 8 Dolly Varden. No length measurements were taken for the Dolly Varden. The juvenile coho salmon will be nominated for update to the Anadromous Waters Catalog.

The ADF&G is currently planning on returning to Kodiak for a sampling effort in July 2015.

cc: S. Schrof, ADF&G
N. Svoboda, ADF&G
D. Tracy, ADF&G
T. Polum, ADF&G
A. Ott, ADF&G
G. O'Doherty, ADF&G
C. Curtis, ADF&G
J. Day, KIB
B. Cassidy, KIB
B. Brown, KSWCD

Figure 1. Juvenile sockeye salmon captured in an unnamed tributary to Stream No. 259-42-10039.

Figure 2. Mr. Frost sampling Stream No. 259-42-10040.

Figure 3. Sampling unnamed tributary to Stream No. 259-42-10040.

Figure 4. Juvenile sockeye salmon captured in unnamed tributary to Stream No. 259-42-10040.

Figure 5. Ms. Day and Mr. Frost sampling upper reach of Stream No. 259-42-10040.

Figure 6. Bed load deposition on Stream No. 259-22-10030-2013-3007.

Figure 7. Sampling Stream No. 259-22-10030-2013.

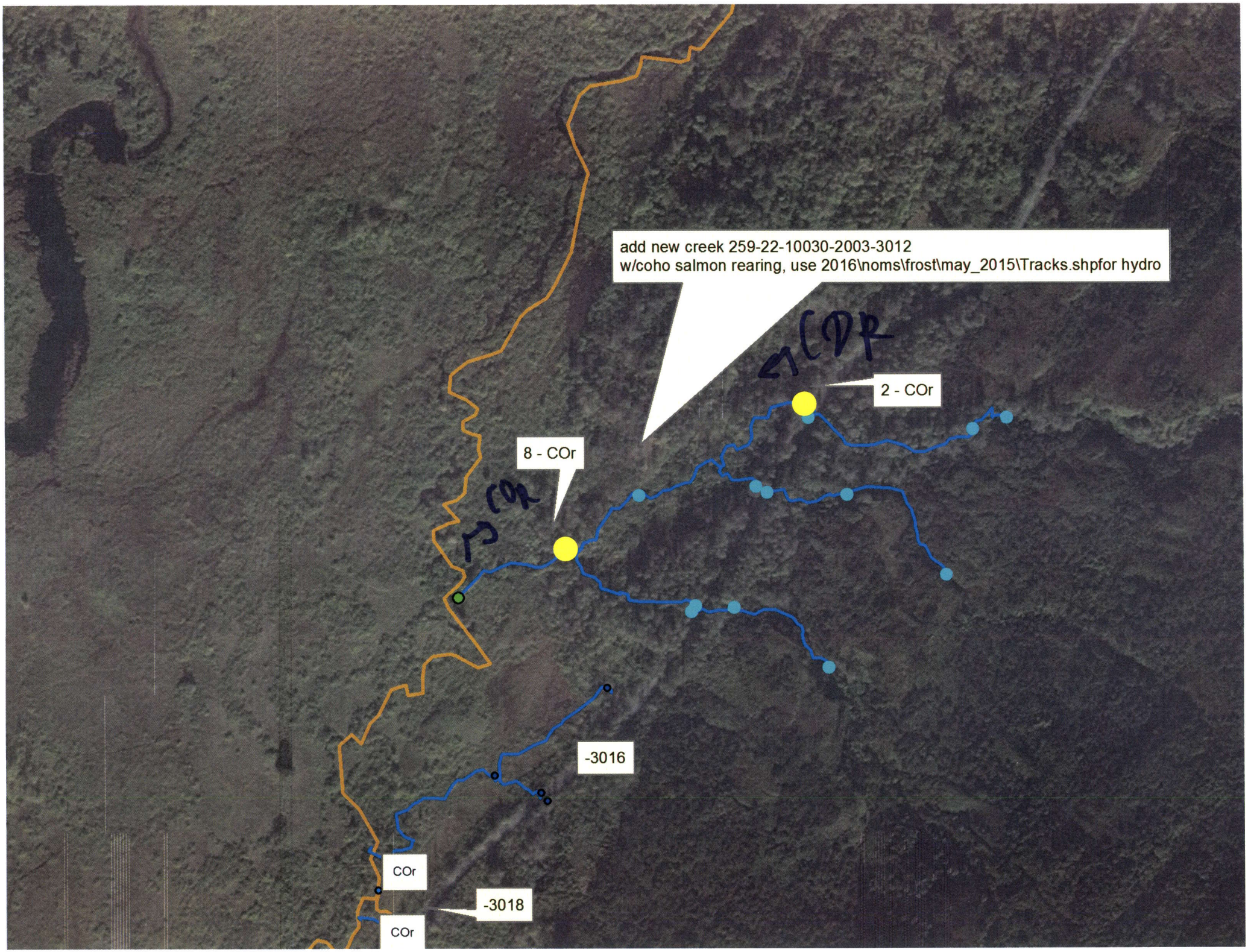
Figure 8. Dry streambed in Stream No. 259-22-10030-2013-3003.

Figure 9. Unnamed tributary flowing through culvert SCRRR02.

Figure 10. Unnamed tributary flowing through culvert SCRRR03.

Figure 11. Unnamed tributary flowing through culvert SCRRR04.

Figure 12. Ms. Day setting minnow traps above the specified reach of Stream No. 259-22-10032.


add new creek 259-22-10030-2003-3012
w/coho salmon rearing, use 2016\noms\frost\may_2015\Tracks.shpfor hydro
COR
2 - COr
8 - COr
COR
-3016
COr
-3018
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