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

Nomination Form
Anadromous Waters Catalog

M E

Region: Southcentral

USGS Quad(s): Seward D-6, 5E

AWC Number of Water Body: 247-60-10232-2012-0030

Name of Water body: Seward Highway MP 81.9

☐ USGS Name ☒ Local Name

☒ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #	140789	James J. Hasbrouck, Fisheries Scientist	10/27/2014 Date
Revision Year:	2015	[signature], Habitat Operations Manager	10/27/14 Date
Revision to: Atlas ____ Catalog ____ Both X		[signature], AWC Project Biologist	10/15/14 Date
Revision Code:	A-1, B-6, A-2	TA, GIS Analyst	10/29/14 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Juvenile Coho	9/23/2014		X		☒
Stickleback				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

See attached Fish Sampling map and trip report.

Extend current listing to upstream end of pond as seen in Fish Sampling Map 1 for Coho rearing.

ref nom# 14-026 14-788

Name of Observer (please print): Jacob Cunha

Signature: Jacob Cunha

Date: 9/30/2014

Agency: ADF&G Division of Habitat

Address: 333 Raspberry Road, Anchorage, AK 99518

ALASKA DEPT. OF FISH & GAME
SEP 30 2014

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 11/13

Name of Area Biologist (please print):

Extend 247-60-10232-w/ Coho Salmon Rearing
Add new stream - 10232-2012 and give 2012-0030
w/ Coho Salmon Rearing

MEMORANDUM

State of Alaska

Department of Fish and Game
Division of Habitat

TO: Michael Daigneault
Regional Supervisor
Central Region Office

DATE: September 30, 2014

PHONE NO.: 267-2143

FROM: Jacob Cunha
Habitat Biologist
Central Region

SUBJECT: Unnamed Stream AKSSF Fish Sampling

On Tuesday September 23, 2014, Josh Brekken and I completed sampling of an unnamed stream near Portage (AWC Stream Number 247-60-10232) to document the presence of anadromous fish in the Municipality of Anchorage. The data collected will be used to submit official nominations for inclusion in the Anadromous Waters Catalog [AWC] and its companion Atlas. Inclusion in the AWC will afford protection to anadromous fish habitats under Alaska Statute (AS) 16.05.871.

This stream system was last surveyed on July 23, 2014 when it was determined that juvenile coho salmon are present in areas beyond the current listing in the AWC. This survey was intended to document the extent of coho habitat. The weather was sunny with temperatures in the mid-fifties and the water level was high.

Unnamed stream (AWC # 247-60-10232) was surveyed above the railroad tracks using minnow traps baited with cured salmon roe. The area above the railroad tracks was a flooded wetland that opened up into a pond upstream. Mr. Brekken and I launched an inflatable boat in the southeast corner of the pond and began setting minnow traps at the locations seen on the attached map (see Fish Sampling Map 1). Most of the traps did catch coho salmon including the furthest upstream trap (see Photo 1). Many coho were also observed while paddling across the pond.

We then surveyed a tributary to the unnamed stream (AWC # 247-60-10232-2007) using a backpack electrofisher. The July 23 survey found coho salmon above the railroad tracks in the tributary. We used the electrofisher to try to find the upper limit of coho habitat. The tributary quickly gained elevation moving upstream, and within 300 feet of the culvert there was a clear barrier. We did not catch any coho above where they were caught in the previous survey. We did catch and observe many Dolly Varden up to the barrier (see Photo 2). We did not sample above the barrier.

Below the railroad tracks the tributary opened up into a labyrinth of channels and flooded off-road vehicle (ORV) trails (see Photo 3 & 4). Mr. Brekken and I walked the channels and trails observing many juvenile coho along the way and catching them with the electrofisher when we

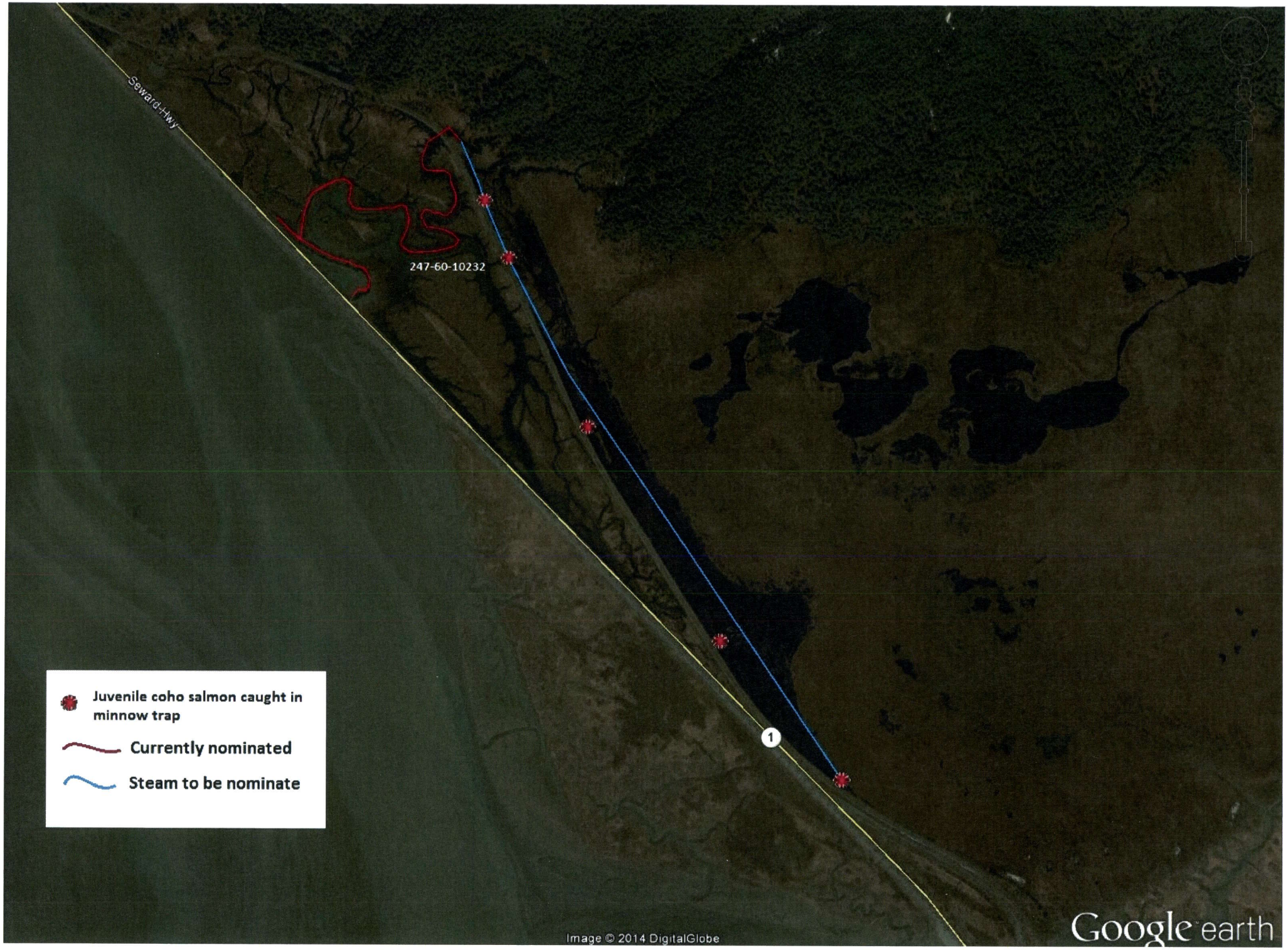
had the opportunity (see Photo 5). All the flooded areas of the tributary, including the flooded ORV trails had juvenile coho salmon in them (see Fish Sampling Map 2).

The ORV trails bisect the floodplain of the tributary, crossing over the channels of the tributary in multiple locations before crossing the railroad tracks and heading up the hillside towards cabins. The trail has created a depression in the floodplain which has filled with water and maybe creating a stranding hazard for fish as water levels fluctuate (see Photo 6).

cc: A. Ott, ADF&G
D. Bosch, ADF&G
S. Ayers, ADF&G
M. Marie, ADF&G

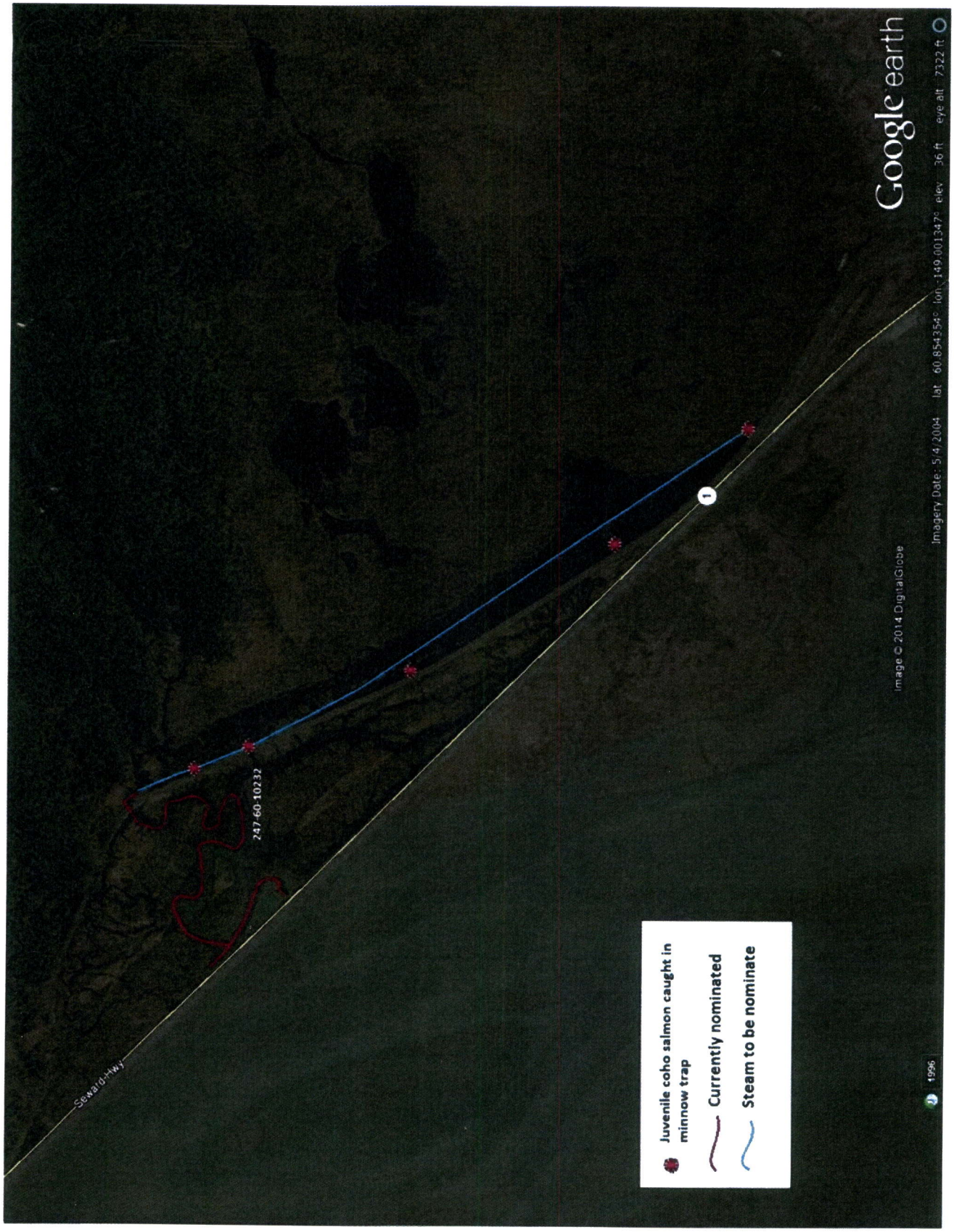
enc: Fish Survey Maps 1 & 2
Photos 1 – 6

247-60-10232


Seward Hwy
247-60-10232
1
Juvenile coho salmon caught in minnow trap
Currently nominated
Steam to be nominate
Image © 2014 DigitalGlobe
Google earth

Fish Sampling Map 1

247-60-10232



Fish Sampling Map 2
247-60-10232-2007

Photo 1. Coho salmon caught at upstream most minnow trap in the pond near the railroad tracks.

Photo 2. Dolly Varden caught electrofishing in the tributary.

Photo 3. Flooded wetland area downstream of the railroad tracks.

Photo 4. Flooded wetlands and trails downstream of the railroad tracks.

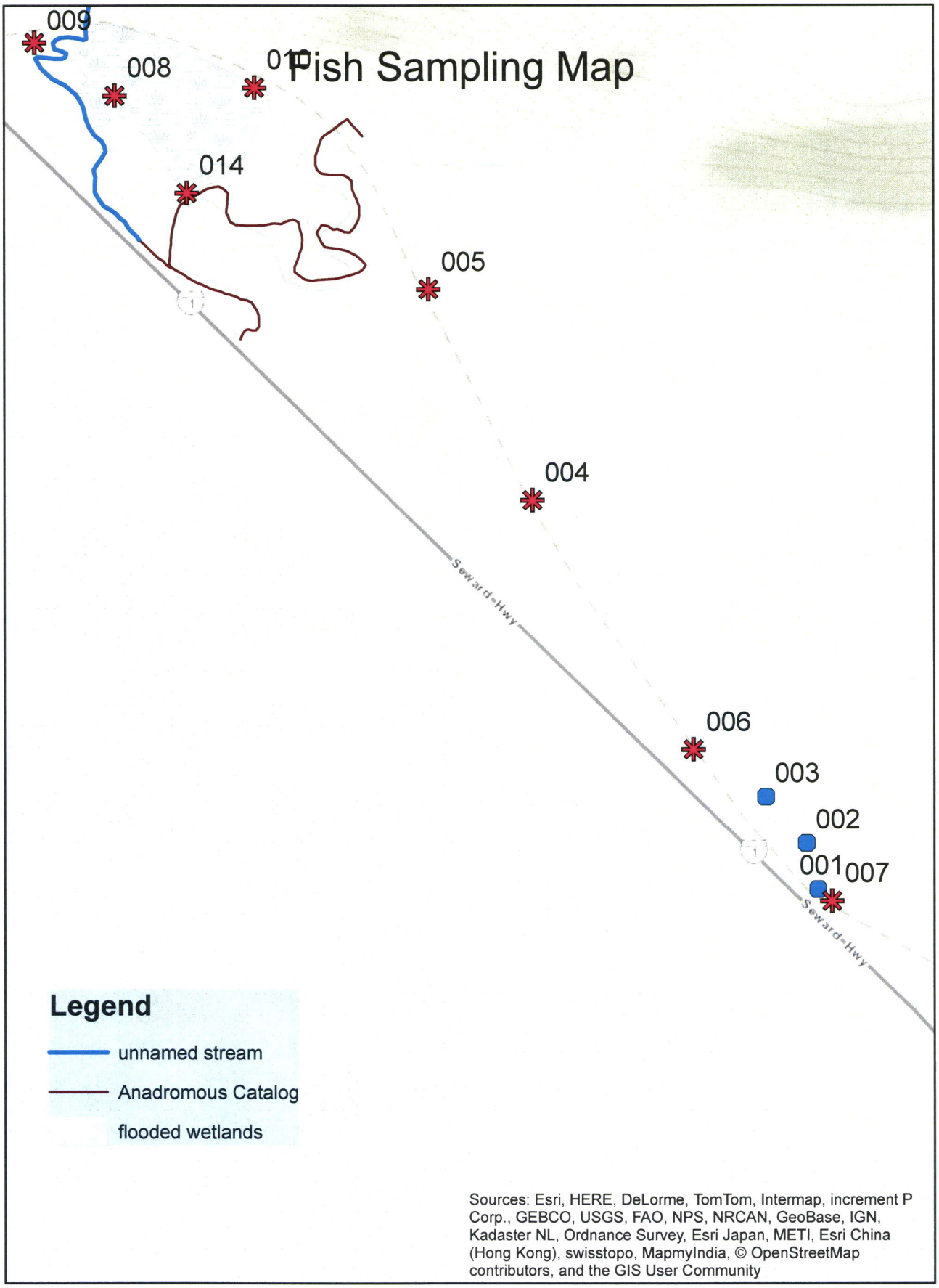
Photo 5. Coho captured below the railroad tracks in the flooded wetland area.

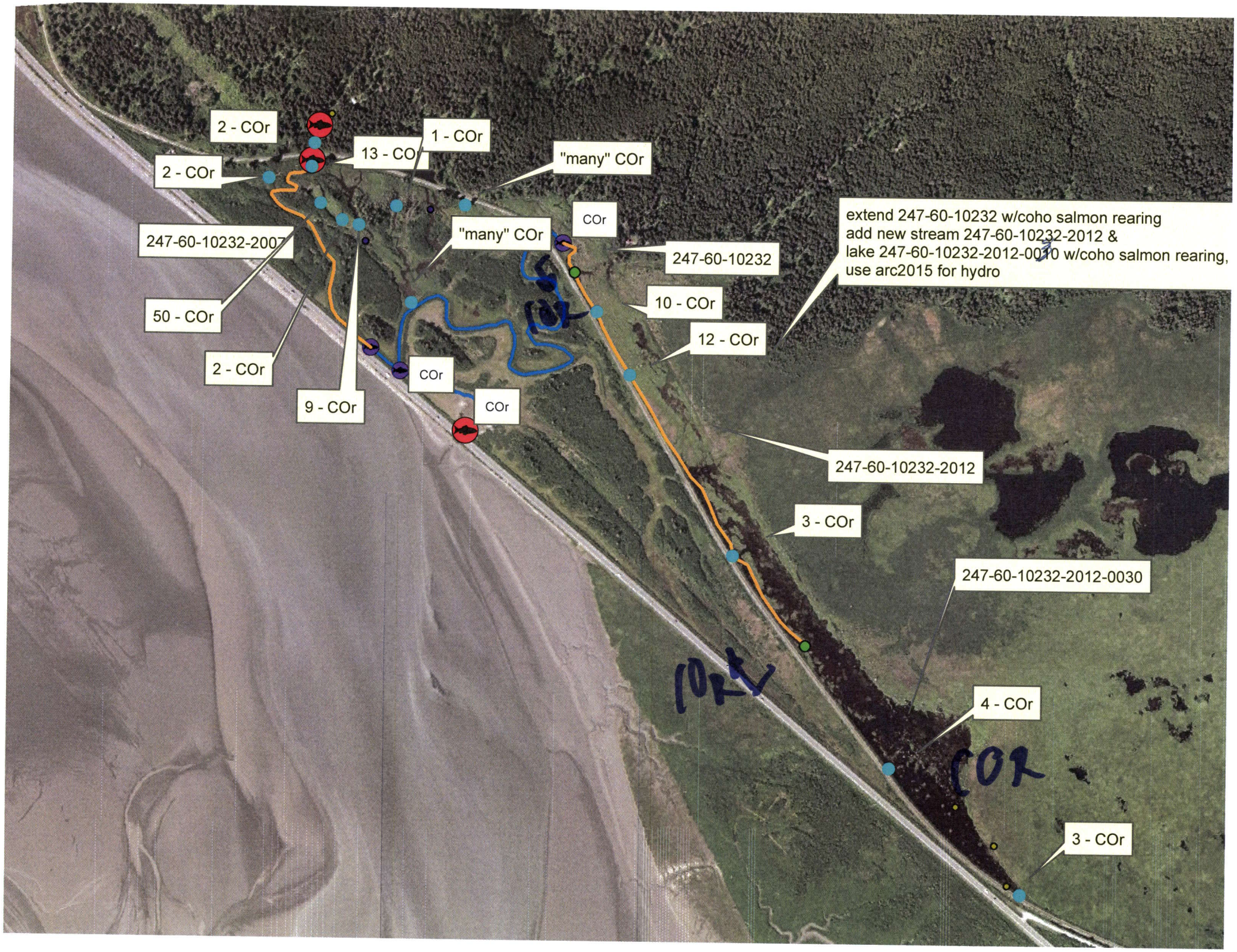
Photo 6. Example of one of the many flooded ORV trails.

Waypoint	Lat	Long	Fish Caught	Fork Lengths	Other	Note
12a	60.85917	149.00783	10 coho	85-123	1 three spined stickleback	
13	60.86006	149.01347			no fish	
14	60.86196	149.02086			no fish	
15	60.86064	149.01594			1 three spined stickleback	
16	60.86111	149.01354			2 three spined stickleback	
17	60.86121	149.01475	1 coho	47	1 three spined stickleback; 1 nine spined stickleback	
18	60.86093	149.01614	9 coho	45-88	15 three spined stickleback; 21 nine spined stickleback	
19	60.86199	149.0177	13 coho	50-93	5 Dolly Varden (80-108)	
20	60.86239	149.01754	2 coho	80-83	3 Dolly Varden (110-125)	Upper Limit
21	60.84862	148.99401			1 nine spined stickleback	
22	60.86135	149.01746	many coho (50 +, visual)			visual
1	60.848795	148.994509				
2	60.849503	148.994866				
3	60.850217	148.996152				
4	60.854796	149.00351	3 coho	104-140		
5	60.858044	149.006789	12 coho	45-126	21 nine spined stickleback	
6	60.850954	148.99843	4 coho	110-130		
7	60.84862	148.994062	3 coho	96-117		upper Limit
8	60.861031	149.016722	2 coho	67-69		
9	60.861843	149.019255	2 coho	67-69		
10	60.861153	149.012296	many coho			visual
11	60.862655	149.0174			1 Dolly Varden (150)	
12	60.862881	149.016851			1 Dolly Varden (127)	
13	60.862521	149.017419			1 Dolly Varden (95)	
14	60.859531	149.014434	many coho			visual

14-0004 (unnamed stream), 10/14/2014, Page 1

FID	Shape	Survey_ID	Date	Waypoint	Anadromous	Species	Method	Personal	POINT_X	POINT_Y
0	Point ZM	14-0004	9/23/2014	001	No		MT	JPC, JB	-148.994509	60.848795
1	Point ZM	14-0004	9/23/2014	002	No		MT	JPC, JB	-148.994866	60.849503
2	Point ZM	14-0004	9/23/2014	003	No		MT	JPC, JB	-148.996152	60.850217
3	Point ZM	14-0004	9/23/2014	004	Yes	CO	MT	JPC, JB	-149.00351	60.854796
4	Point ZM	14-0004	9/23/2014	005	Yes	CO	MT	JPC, JB	-149.006789	60.858044
5	Point ZM	14-0004	9/23/2014	006	Yes	CO	MT	JPC, JB	-148.99843	60.850954
6	Point ZM	14-0004	9/23/2014	007	Yes	CO	MT	JPC, JB	-148.994062	60.84862
7	Point ZM	14-0004	9/23/2014	008	Yes	CO	EF	JPC, JB	-149.016722	60.861031
8	Point ZM	14-0004	9/23/2014	009	Yes	CO	EF	JPC, JB	-149.019255	60.861843
9	Point ZM	14-0004	9/23/2014	010	Yes	CO	EF	JPC, JB	-149.012296	60.861153
10	Point ZM	14-0004	9/23/2014	011	No	DV	EF	JPC, JB	-149.0174	60.862655
11	Point ZM	14-0004	9/23/2014	012	No	DV	EF	JPC, JB	-149.016851	60.862881
12	Point ZM	14-0004	9/23/2014	013	No	DV	EF	JPC, JB	-149.017419	60.862521
13	Point ZM	14-0004	9/23/2014	014	Yes	CO	EF	JPC, JB	-149.014434	60.859531


Fish Sampling Map
009
008
014
005
004
006
003
002
001
007
Seward Hwy
Seward Hwy
Legend
unnamed stream
Anadromous Catalog
flooded wetlands
Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community


2 - COr
2 - COr
13 - COr
1 - COr
"many" COr
247-60-10232-2007
"many" COr
COr
247-60-10232
extend 247-60-10232 w/coho salmon rearing
add new stream 247-60-10232-2012 &
lake 247-60-10232-2012-0030 w/coho salmon rearing,
use arc2015 for hydro
50 - COr
10 - COr
12 - COr
2 - COr
COr
9 - COr
COr
247-60-10232-2012
3 - COr
247-60-10232-2012-0030
4 - COr
3 - COr