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

Nomination Form
Anadromous Waters Catalog

Region: Southeast

USGS Quad(s): Craig A3

Anadromous Waters Catalog Number of Waterway: 103-25-10090-2029

Name of Waterway: unnamed tributary 1 ☐ USGS Name ☒ Local Name

☒ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #	130034		
Revision Year:	2014	Fisheries Scientist	8/27/13 Date
Revision to:	Atlas ____ Catalog ____ Both X	Habitat Operations Manager	8/27/13 Date
		AWC Project Biologist	1/24/13 Date
Revision Code:	A-2	Cartographer	9/5/13 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho	June 27, 2012		X	X	X
Dolly Varden	June 27, 2012			X	☐
					☐
					☐
					☐

Add new stream w/coho salmon Rearing

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: One baited minnow trap was set in the new mapped tributary and soaked for 6 hours at GPS location 58 (see attached map and attached datasheets). GPS 58 trap caught 2 juvenile coho (80mm, 95mm) and 3 juvenile Dolly Varden (110mm, 75mm, 95mm). This tributary did not previous exist in the AWC, therefore coho salmon and Dolly Varden can be listed as present. In addition, given the timing of data collection and life stage of coho salmon show that juveniles are using this reach for rearing habitat. The attached dataset for stream habitat gives the characteristics of this new reach and the other dataset is from the fish handling permit data submitted to ADFG Sportfish. This application was prepared by Cathy Needham (907-723-4426, cathy@kaienvironmental.com for additional information.

Name of Observer (please print): Tony Sanderson

Signature: [signature]

Agency: Hydaburg Cooperative Association

Address: P.O. Box 349

Hydaburg, Alaska 99922

Date: Jan. 11, 2013

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.

ALASKA DEPT. OF FISH & GAME JAN 18 2013

Signature of Area Biologist: _____ Date: _____ Revision

02/08

Eek Unnamed Tributary 1
June 27, 2012

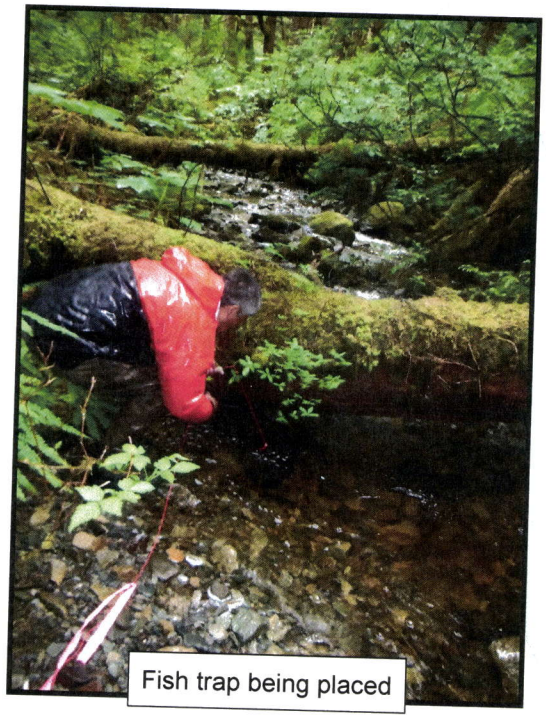
Legend

- Fish Trap - Coho Salmon and Dolly Varden
- New Mapped Reach

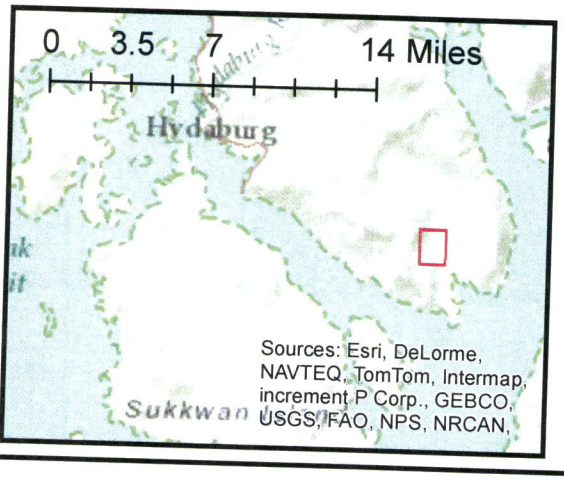
N

Eek Lake

58



Fish trap being placed



0 0.04 0.08 0.16 Miles

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), and the GIS User Community

Eek Unnamed Tributary 1 Minnow Trapping Data (2012)

ADF&G permit no. SF2012-193

Summary report of fish collection activity.

The area biologist was contacted on: TIME/DATE **6/14/12 at 8:37 P.M.**

Location_ID	GPS_Point	Latitude	Longitude	Datum	Coordinate_determination_method	Name_of_water_body	Date	Fish_collection_method	Species	Life stage	Length	Length_method	Disposition	Disposition	Comments
EEK12	58	55.166493	-132.681282	WGS84	GPS	Eek	6/27/2012	Minnow Trap	Dolly Varden	juvenile	110	fork	ID'ed and r	measured and released	
EEK12	58	55.166493	-132.681282	WGS84	GPS	Eek	6/27/2012	Minnow Trap	coho salmon	juvenile	95	fork	ID'ed and r	measured and released	
EEK12	58	55.166493	-132.681282	WGS84	GPS	Eek	6/27/2012	Minnow Trap	coho salmon	juvenile	80	fork	ID'ed and r	measured and released	
EEK12	58	55.166493	-132.681282	WGS84	GPS	Eek	6/27/2012	Minnow Trap	Dolly Varden	juvenile	75	fork	ID'ed and r	measured and released	
EEK12	58	55.166493	-132.681282	WGS84	GPS	Eek	6/27/2012	Minnow Trap	Dolly Varden	juvenile	95	fork	ID'ed and r	measured and released	

Eek Unnamed Tributary 1 Stream Habitat Mapping Data 2012

Project Code: Eek12 6/26/2012 Channel Type: HCL GPS: KAI02 Upstream

Waypoint	Coordinates		Error (ft)	Feature	Locale	Locator
48	55.166587	-132.681167	12	INL	MCH	SS
48	55.166587	-132.681167	12	BSS	MCH	SS
48	55.166587	-132.681167	12	CBW	MCH	SS
49	55.166482	-132.681234	21	CBW	MCH	SS
50	55.166265	-132.681349		MAP	MCH	SS
51	55.166227	-132.681401	9	MAP	MCH	SS
52	55.165916	-132.681944	15	MAP	MCH	SS
53	55.1657	-132.682047		MAP	MCH	SS
54	55.165698	-132.682114	21	BRK	MCH	SS
55	55.165928	-132.681978	20	CTV	MCH	SS
58	55.166493	-132.681282	17	FOP	MCH	SS
59	55.165922	-132.682024	21	FOP	MCH	SS

Bottom of Reach Waypoint	CTV Waypoint	Top of Reach Waypoint	Avg Stream Gradient (%)	Incision Depth (m)	Bankful Width (m)	Bank Composition	Channel Pattern
48	55	53	6.6	0.42	3.5	Mixed	Multiple

Stream Gradient Measure		
		dist (m)
Bottom of Reach (up)	1	9.1
CTV (down)	-8	10
CTV (up)	1	13.7
Top of Reach (up)	-5	9

Riparian Vegetation Codes		
	Left Bank	Right Bank
0-5m	IA1e	IA1e
5-10m	IA2b	IA1e
10-20m	IA1e	IA1e
23-30m	IA1e	IA1e

Substrate and Geology	
Dominant	VCG
Sub-dominant	CGR
Next sub-dominant	SC

Avg. Channel Bedwidth (m)	3.5

Reach Counts	
Large Wood	40
Key Wood	11
Macro Pools	20

KAI ENVIRONMENTAL CONSULTING SERVICES, LLC

January 14, 2013

ADF&G Sportfish Division Regional Office
ATTN: J. Johnson
333 Raspberry Road
Anchorage, AK 99518

Dear Mr. Johnson,

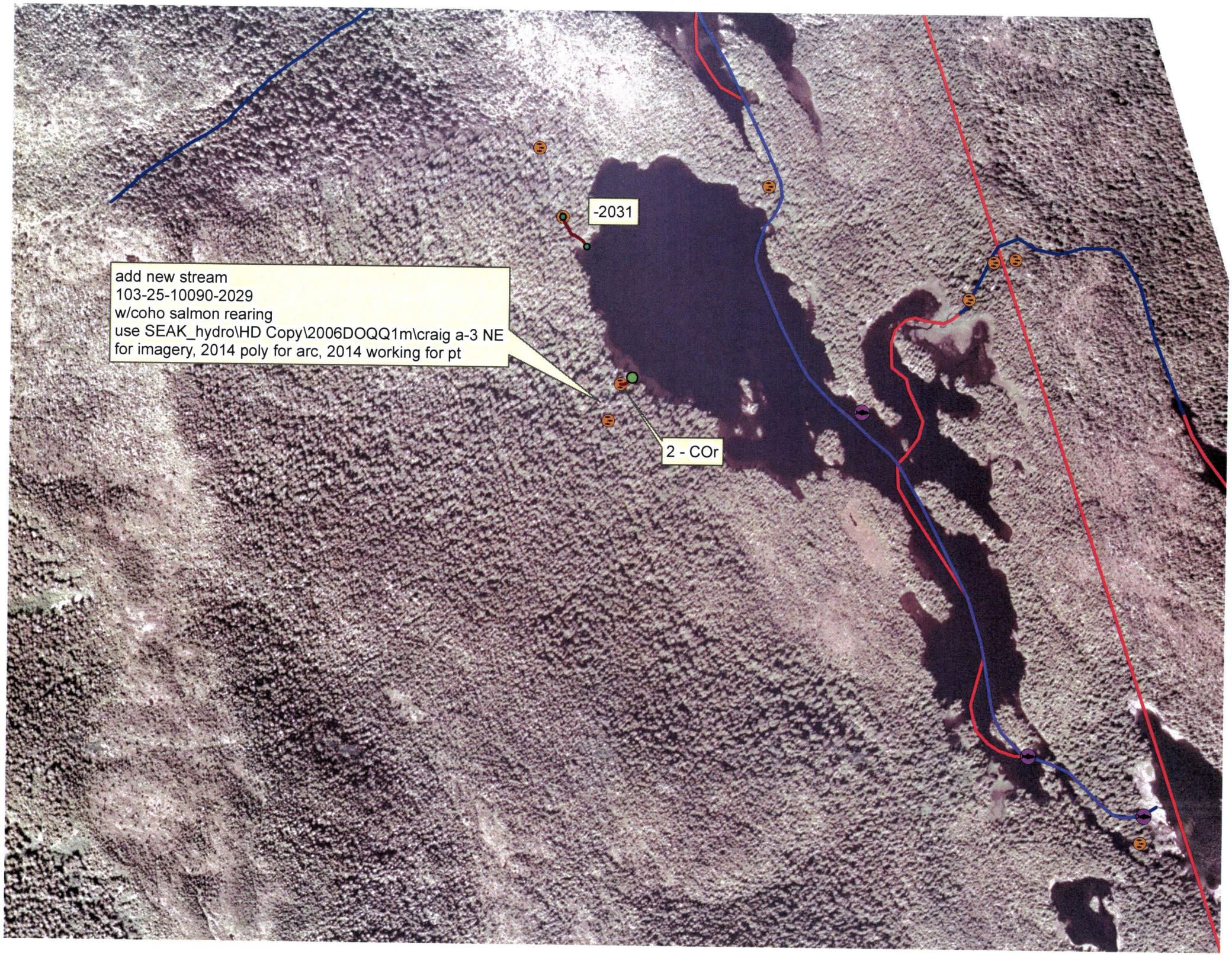
On behalf of the Hydaburg Cooperative Association (HCA) and The Nature Conservancy (TNC), I have completed and enclosed 7 nomination packages for the Anadromous Waters Catalog (AWC). In 2012, TNC received a Southeast Sustainable Salmon Fund grant from the State of Alaska, Department of Fish and Game, to conduct stream habitat surveys in two important subsistence watersheds near Hydaburg, Alaska. These watersheds include Hetta Lake (4 nominations) and Eek Lake (3 nominations). During stream habitat surveys, additional data for documenting fish and fish habitat use was also taken (in the form of minnow trapping and adult foot surveys). While 5 of the nominations are for adding the spawning and/or rearing designation to existing cataloged stream reaches and Hetta Lake, 2 of the nominations are for new stream designations. The new stream designations are in Eek Lake.

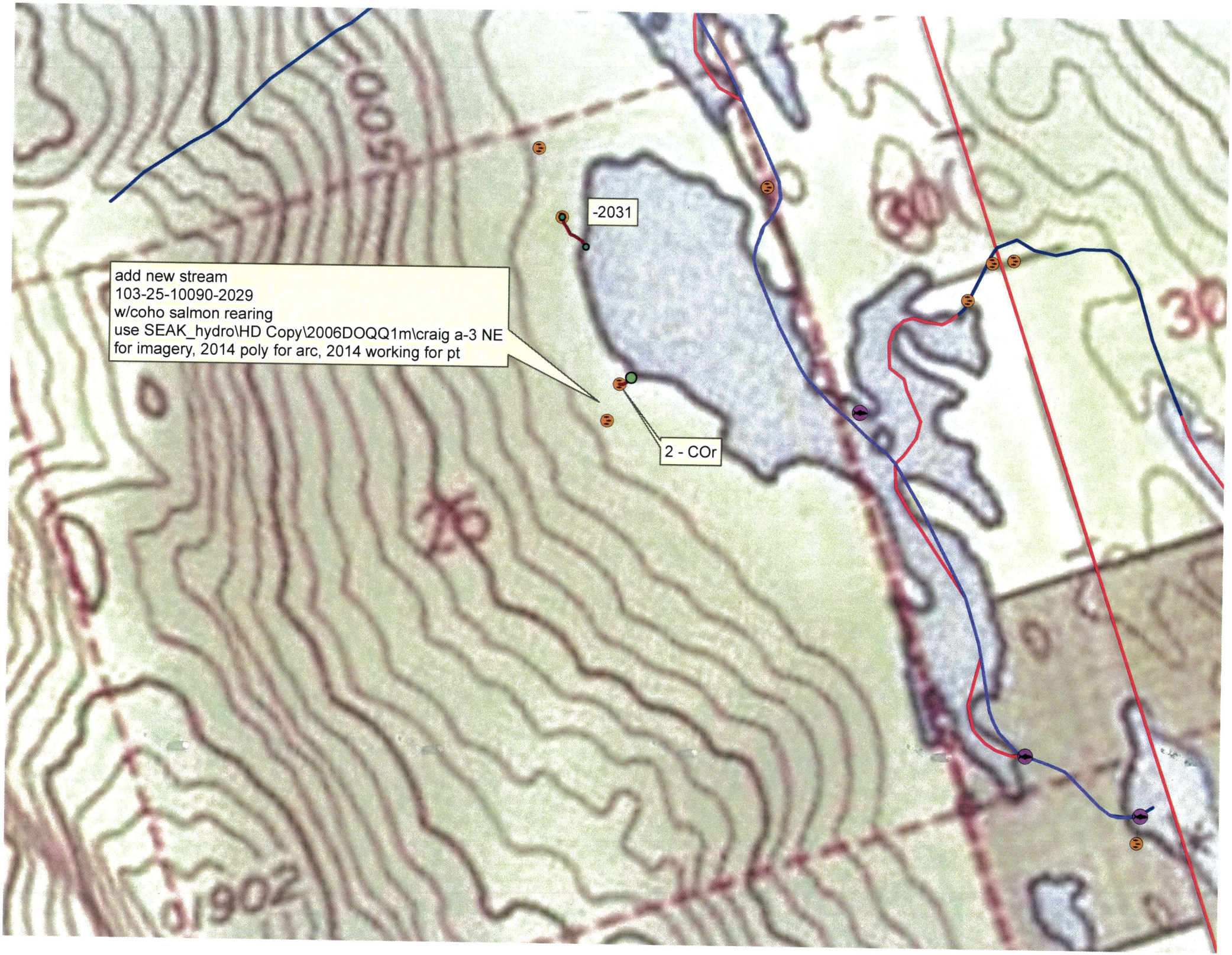
You will note that the nomination packages are signed by Tony Sanderson of Hydaburg Cooperative Association. Mr. Sanderson was the field lead for the project, and is therefore signing as the observer. My role under this collaborative project was to train the field crews, compile the data for various uses, and prepare the nomination packages. Because all of the data resides in my offices in Juneau, if you have questions, need clarification, or need additional information please do not hesitate to contact me at the phone number listed below or at cathy@kaienvironmental.com. Thanks!

Sincerely,

Cathy A. Needham

9000 GLACIER HIGHWAY, SUITE 302, JUNEAU, AK 99801
(907)723-4426 (P); (866)422-4462


-2031
add new stream
103-25-10090-2029
w/coho salmon rearing
use SEAK_hydro\HD Copy\2006DOQQ1m\craig a-3 NE
for imagery, 2014 poly for arc, 2014 working for pt
2 - COr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