



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

Nomination Form
Anadromous Waters Catalog

25 4

Region Southeast USGS Quad(s) Craig A-2
 Anadromous Waters Catalog Number of Waterway 103-25-10470-2003
 Name of Waterway unnamed USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>130022</u>	Fisheries Scientist _____ Date _____
Revision Year: <u>2014</u>	Habitat Operations Manager _____ Date _____
Revision to: Atlas _____ Catalog _____	AWC Project Biologist _____ Date <u>1/20/13</u>
Both: _____	Cartographer _____ Date _____
Revision Code: <u>F-1</u>	

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
<u>Coho Salmon</u> <u>one fish</u>	<u>June 21, 2012</u>		<u>X</u>		<input checked="" type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

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 set for 2 hours at GPS location 86 (see map and attached datasets) caught one coho juvenile (<100mm), one rainbow trout (<100mm) and one rainbow trout (100-200mm). Timing of data collection and life stage of coho salmon show that juveniles are using this reach for rearing habitat. Attached dataset for stream habitat gives characteristics of stream for the trap location, the other dataset is from the fish handling permit data submitted to ADFG Sportfish. This application was prepared by Cathy Needham (907)723-4426 or cathy@kaienvironmental.com for additional information.

Substantiates coho salmon in 103-25-10470-2003

Name of Observer (please print): Tony Sanderson
 Signature: Tony Sanderson Date: Jan. 7, 2013
 Agency: Hydaburg Cooperative Association
 Address: P.O. Box 349
Hydaburg, Alaska 99922

ALASKA DEPT. OF
FISH & GAME

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.

JAN 18 2013

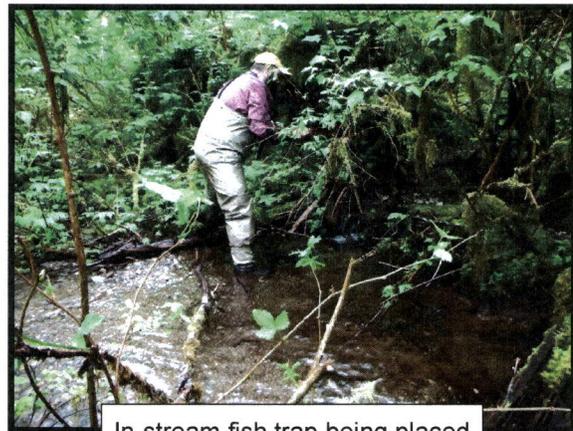
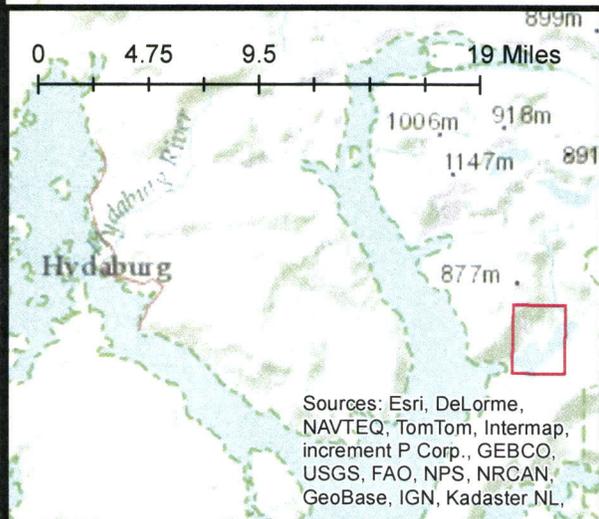
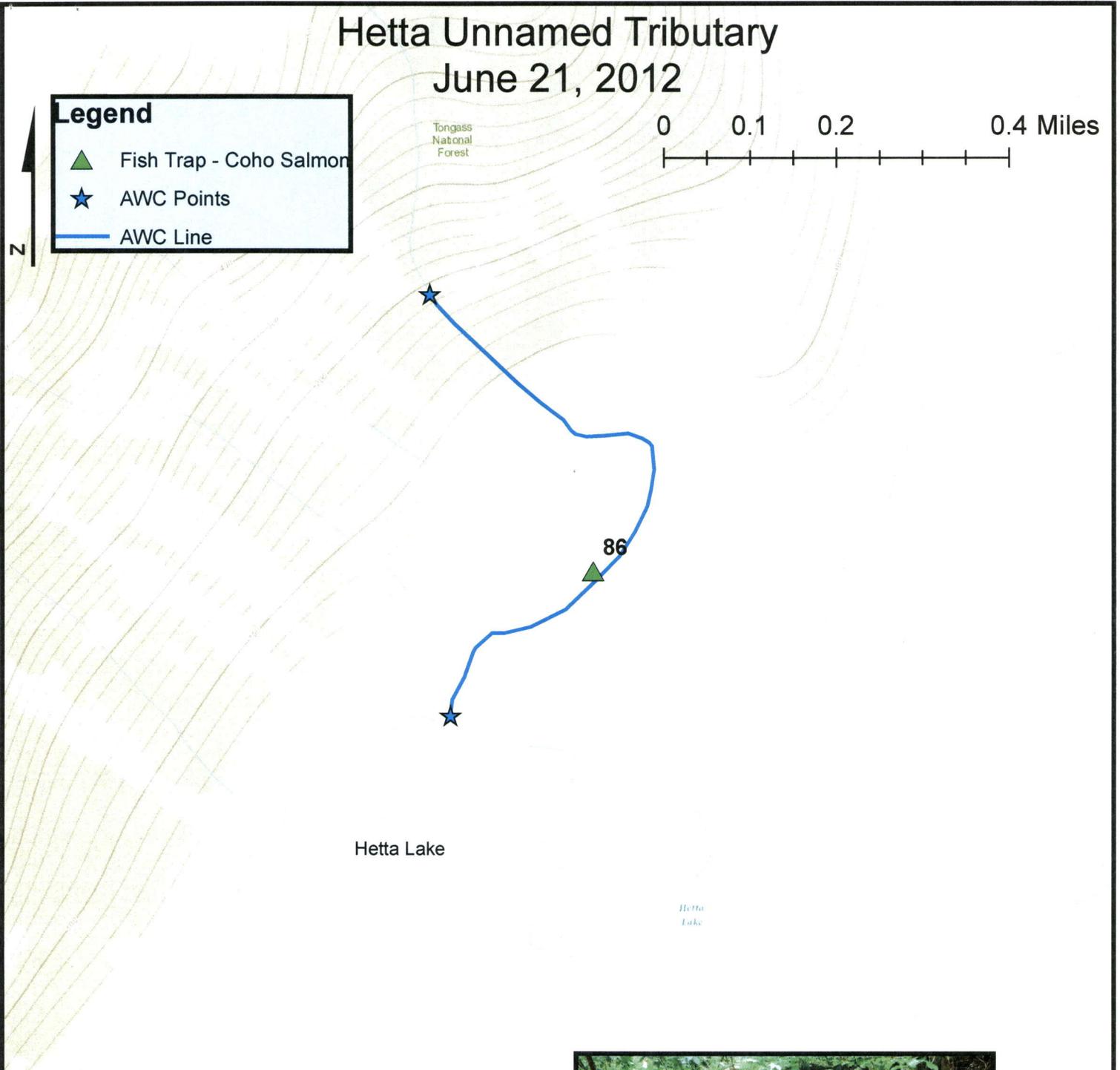
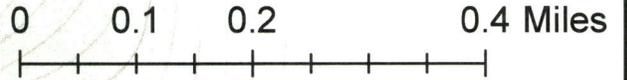
Signature of Area Biologist: _____ Date: _____ Revision: _____

Hetta Unnamed Tributary

June 21, 2012

Legend

-  Fish Trap - Coho Salmon
-  AWC Points
-  AWC Line



In-stream fish trap being placed

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

Hetta Unnamed Creek Minnow Trapping Data (2012)

ADF&G permit no. SF2012-193

Summary report of fish collection activity.

6/14/12 at
8:37 P.M.

The area biologist was contacted on: TIME/DATE

Location_ID	GPS_Point	Latitude	Longitude	Datum	Coordinate_determination_method	Name_of_waiver_body	Date	Fish_collection_method	Species	Life stage	Length	Length_method	Disposition	Disposition	Comments
HET12	86	55.182492	-132.550330	WGS84	GPS	Hetta	6/21/2012	Minnow Trap	rainbow trout	juvenile			ID'ed and released		
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HET12	86	55.182492	-132.550330	WGS84	GPS	Hetta	6/21/2012	Minnow Trap	coho salmon	juvenile			ID'ed and released		

Hetta Unnamed Creek Stream Habitat Mapping Data (2012)

Project Code: Het12

6/21/2012 Channel Type: MMS

GPS: KAI01

Upstream

Waypoint	Coordinates		Error (ft)	Feature	Locale	Locator
85	55.182162	-132.550439	18	BSS	MCH	SS
86	55.182492	-132.55033	17	FOP	MCH	SS
88	55.182698	-132.550671		MAP	MCH	SS
89	55.182901	-132.550843	26	MAP	MCH	SS
90	55.183167	-132.551204		MAP	MCH	SS
91	55.183517	-132.551289	39	BRK	MCH	SS
96	55.18281	-132.550874	19	CTV	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
85	96	91	5.2	0.57	4.2	Mixed	Singular
<u>Stream Gradient Measure</u>			<u>Riparian Vegetation Codes</u>				
		dist (m)		Left Bank	Right Bank		
Bottom of Reach (up)	1	9	0-5m	IB1a	IB1a		
CTV (down)	-3	8.2	5-10m	IB1a	IB1a		
CTV (up)	1	9.1	10-20m	IC1	IB1a		
Top of Reach (up)	-7	15	23-30m	IA1b	IB1a		
<u>Substrate and Geology</u>		<u>Avg. Channel Bedwidth (m)</u>		2.4			
Dominant	MGR						
Sub-dominant	CGR						
Next sub-dominant	VCG						
<u>Reach Counts</u>							
Large Wood	22						
Key Wood	9						
Macro Pools	4						



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