



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

Nomination Form  
Anadromous Waters Catalog

*M* *E*

Region Southeast USGS Quad(s) Craig B-3  
 Anadromous Waters Catalog Number of Waterway 103-40-10350 - 2055  
 Name of Waterway Natzuhini River  USGS Name  Local Name  
 Addition  Deletion  Correction  Backup Information

For Office Use

Nomination #	<u>140087</u>	<u>James J. Harbrow</u>	<u>9/3/2014</u>
Revision Year:	<u>2015</u>	Fisheries Scientist	Date
Revision to:	Atlas _____ Catalog _____	<u>Mark J. ...</u>	<u>9/3/14</u>
	Both _____	Habitat Operations Manager	Date
Revision Code:	<u>A-2, C-9, B.2</u>	<u>[Signature]</u>	<u>5/30/14</u>
		AWC Project Biologist	Date
		<u>TA</u>	<u>9/16/14</u>
		Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho Salmon	August 12, 2013		X		<input checked="" type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

REF num #  
14-089  
14-090  
14-085  
14-088  
14-086

**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 supplemental information.  
 This application was prepared by Cathy Needham, who may be reached at 907-723-4436 or cathy@kaienvironmental.com  
update hydrography and add coho salmon rearing to 103-40-10350  
add new stream 103-40-10350-2055 w/ coho salmon rearing

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

Date: 5/12/14  
 ALASKA DEPT. OF  
 FISH & GAME  
 MAY 19 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 \_\_\_\_\_  
 02/08

### Supplemental information for Natzuhini River (Unnamed Tributary 9)

One baited minnow trap, soaked for 2 hours, was set in an unnamed tributary of the Natzuhini River in August of 2013. The attached figure shows the trap location. This tributary to the Natzuhini River mainstem is not currently listed or mapped in the Anadromous Waters Catalog. The portion of the river in this packet is being nominated for rearing of coho salmon. This current nomination is to add an additional tributary to the river as coho rearing habitat, as shown by the number of juvenile coho salmon caught throughout the survey area. An ADFG fish trapping permit datasheet is attached to this nomination packet for further details on fish trapping efforts.

Stream mapping and survey data was collected by the Hydaburg Cooperative Association Stream Survey crew for this tributary of the Natzuhini River from August 12-13, 2013. Data was taken on one reach (reach numbers in the tables correspond to a master dataset; see attached figures for locations). The stream crew reached the upper extent of fish habitat and completed mapping this tributary to the Natzuhini River. Upper extent was determined based on lack of water flow as the stream became muskeg at the top of the reach. Stream survey data taken are included in the following table:

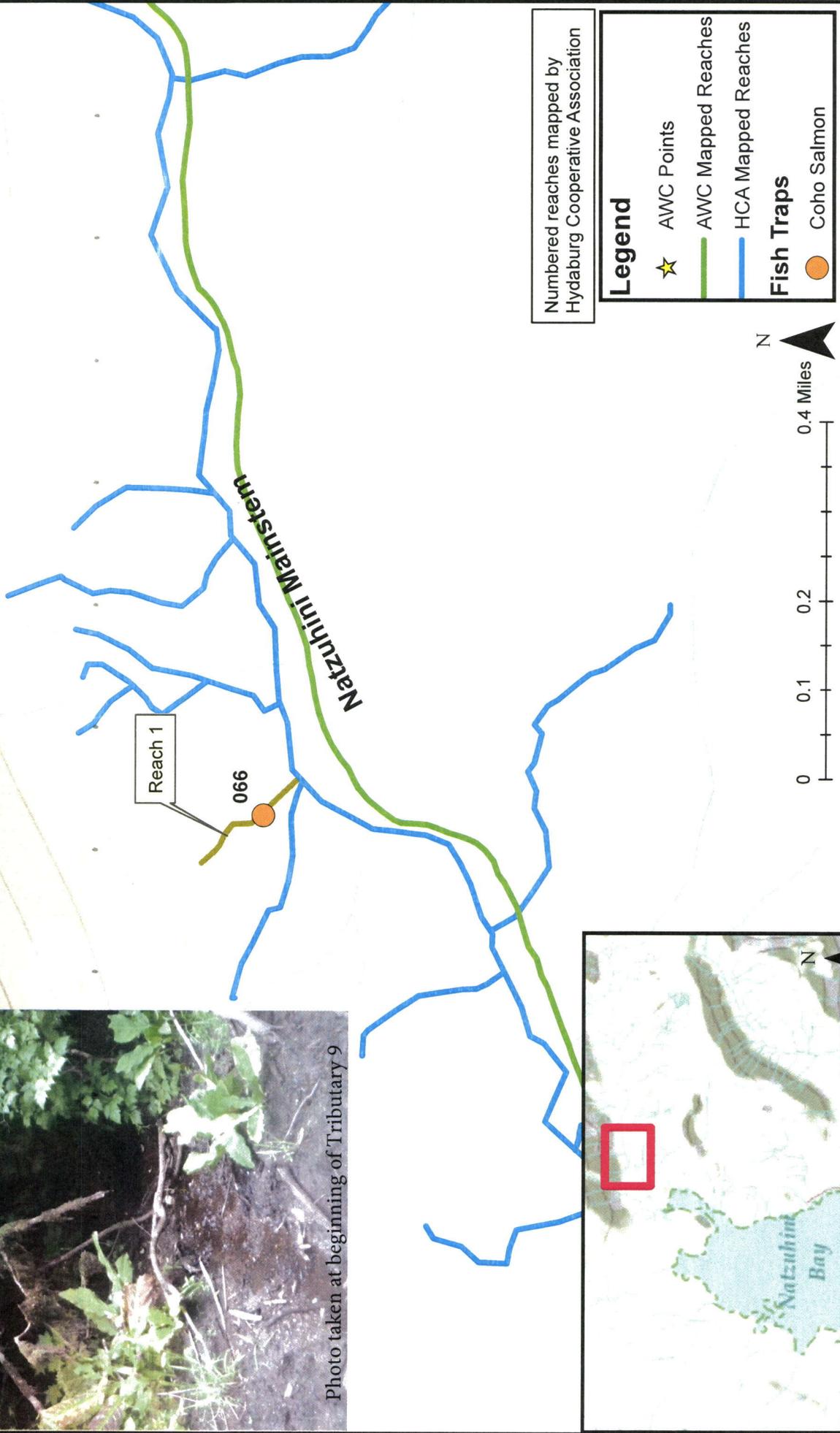
	<b>Reach 1</b>
<b>Average stream gradient</b>	7
<b>Average bankfull width</b>	1
<b>Average channel bed width</b>	1.6
<b>Average incision depth</b>	0.34
<b>Bank composition</b>	Organic
<b>Dominant substrate</b>	Coarse Gravel
<b>Sub-dominant substrate</b>	Very Coarse Gravel
<b>Large wood count</b>	51
<b>Key wood count</b>	17
<b>Macro-pool count</b>	12

This reach was classified as a MM1 (small moderate gradient mixed control channel).

Natzuhini River  
Tributary 9  
August 2013



Photo taken at beginning of Tributary 9



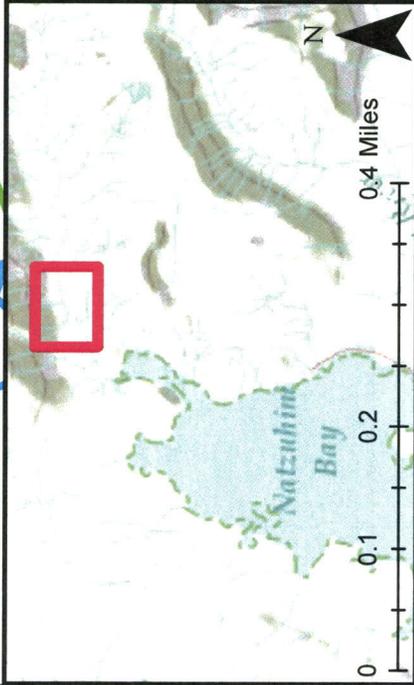
Numbered reaches mapped by  
Hydaburg Cooperative Association

**Legend**

- ★ AWC Points
- AWC Mapped Reaches
- HCA Mapped Reaches

**Fish Traps**

- Coho Salmon



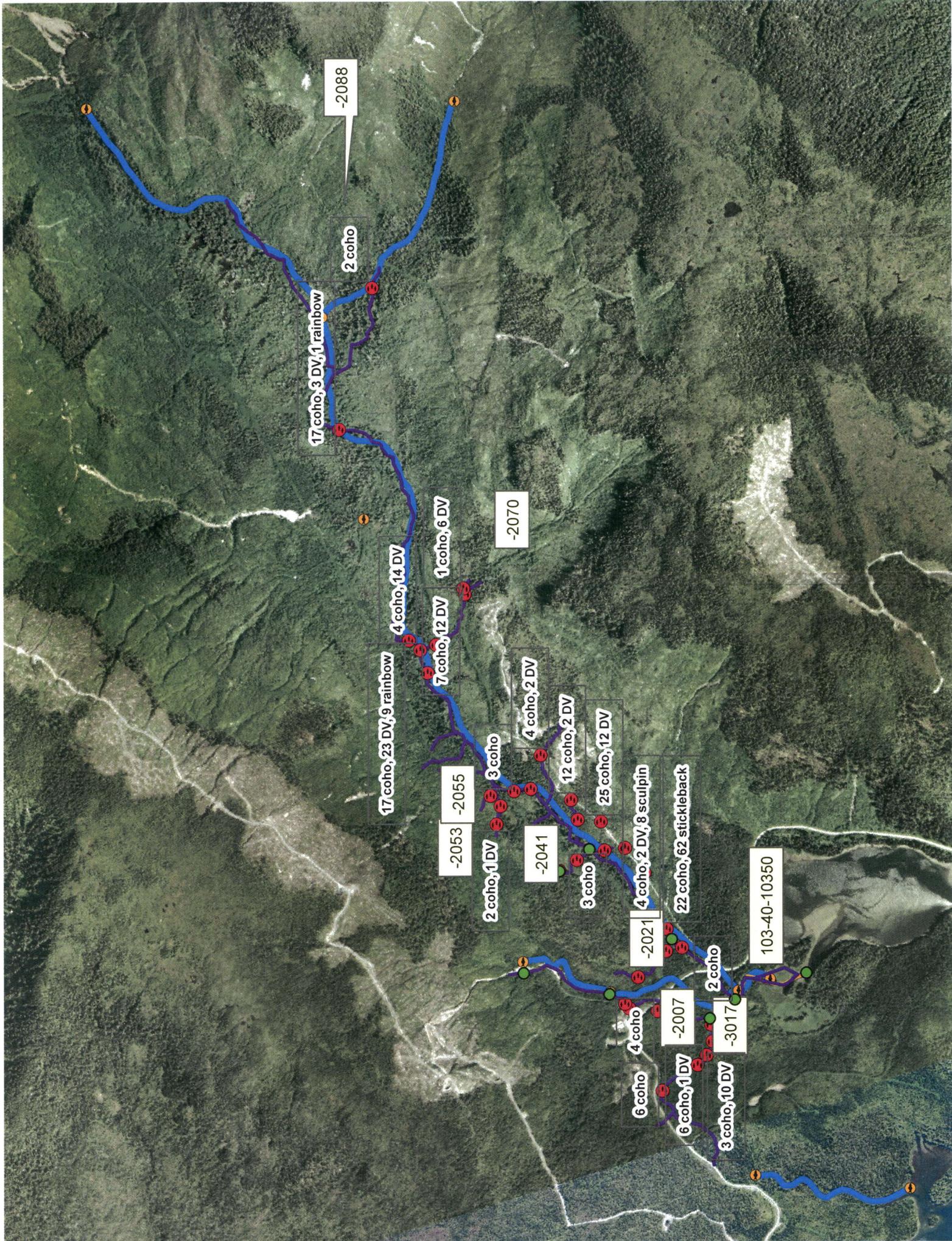
Service Layer Credits: Sources: Esri, DeLorme, HERE, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China

**ADF&G permit no. SF2013-208**

**Summary report of fish collection activity.**

**The area biologist was contacted on: 3:09pm on 5/29/13**

Location ID (optional)	Latitude	Longitude	Datum	Coordinate determination method	Name of water body	Date	Observer name (first name, middle initial, last name)	Fish collection method	Species	Life stage	Length estimates/ranges (mm)	Length method	Disposition (1)
66	55.290448	-132.810226	WGS84	GPS	Natzuhini	8/12/2013	Cathy Needham	Minnow Trap	coho salmon	juvenile	70	fork	measured and released
66	55.290448	-132.810226	WGS84	GPS	Natzuhini	8/12/2013	Cathy Needham	Minnow Trap	coho salmon	juvenile	65	fork	measured and released
66	55.290448	-132.810226	WGS84	GPS	Natzuhini*	8/12/2013	Cathy Needham	Minnow Trap	coho salmon	juvenile	70	fork	measured and released



add new stream 103-40-10350-2055 w/coho salmon rearing  
add coho salmon rearing to 103-40-10350 & revise hydro  
use arc2015 (gold line) for new hydro & replacement of existing AWC (blue line) hydro

