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

Nomination Form
Anadromous Waters Catalog

Region: Southeast

USGS Quad(s): Craig C-2

Anadromous Waters Catalog Number of Waterway: 102-60-10869 -2051

Name of Waterway: Unnamed Tributary 1 to Karta River(see map) USGS Name Local Name

X Addition Deletion Correction Backup Information

For Office Use

Nomination #	15-012		
Revision Year:	2016	James J Hasbrouck	5/8/2015
Revision to: Atlas ____ Catalog ____ Both X		Fisheries Scientist	Date
		Habitat Operations Manager	5/8/15 Date
		AWC Project Biologist	30 Apr 15 Date
Revision Code:	B-2, C-9, A-2	TA Cartographer	5/13/15 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho Salmon	July 8-9, 2014		x	x	x
Cutthroat Trout	July 8-9, 2014			x	
Dolly Varden	July 8-9, 2014			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 supplemental information.

This application was prepared by Cathy Needham who may be reached at 907-723-4436 or cathy@kaienvironmental.com.

update 102-6C-10869 hydro and add coho Salmon Rearing

Add new creek 102-60-10869.2051 w/Coho Salmon Rearing

RO From # 15-013, 15-011

Name of Observer (please print): Robina Moyer

Signature: [signature] Date: 10/7/14

Agency: Kai Environmental Consulting Services, LLC

Address: 9000 Glacier Hwy, Suite 302
Juneau, AK 99801

ALASKA DEPT. OF FISH & GAME
OCT 13 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 Karta River – Unnamed Tributary 1 Coho Rearing

In the summer of 2014 a stream crew from the Organized Village of Kasaan (OVK) mapped habitat, took stream survey data and trapped minnows on the Karta River, including a southern tributary that flows into Karta Bay (AWC 102-60-10869). Stream mapping and survey data was taken for three reaches on Tributary 1. Reach data is included in this packet and the corresponding locations are shown on the attached figure.

On July 7-9, 2014 six baited minnow traps were set in this tributary and left to soak for between one and seven hours (see map for locations). The trap at GPS Point 457 caught no fish, though minnows were observed nearby. The trap at GPS Point 548 caught seven juvenile coho (55mm, 60mm, 60mm, 70mm, 70mm, 85mm, one unmeasured) and four cutthroat trout (75mm, 80mm, 90mm, 130mm). The trap at GPS Point 473 caught three scuplin, one Dolly Varden (130mm) and two juvenile coho (80mm, 100mm). The trap at GPS Point 524 caught no fish. The trap at GPS Point 531 caught six juvenile coho salmon (65mm, 70mmm, 75mm, 80mm, 85mm, 100mm). An ADF&G fish trapping permit data sheet is attached to this nomination packet which includes further details on fish trapping in Tributary 1.

The crew continued to map upstream and reached a large waterfall, approximately 15 meters tall which was documented at GPS Point 553 and shown below. The crew was unable to get above the waterfall and it is believed to be a barrier to both juvenile and adult fish passage.

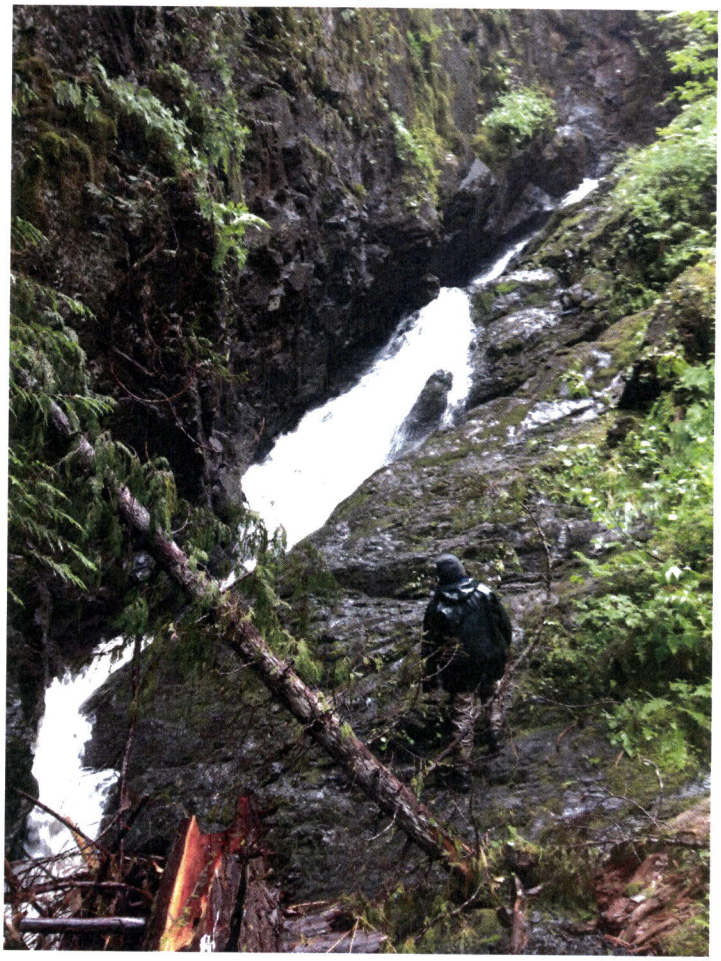
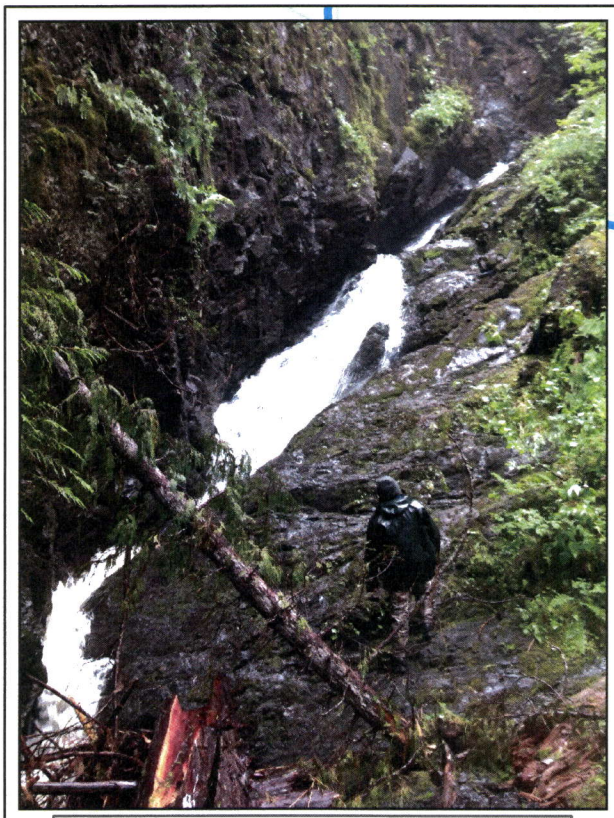


Photo 1: Waterfall at GPS Point 553.

Reach Data for Unnamed Southern Tributary 1 to Karta River
(AWC 102-60-10869)

	Reach 1	Reach 2	Reach 3
Average stream gradient	2.6	2.15	6.55
Average bankfull width	5.1	3.4	8
Average channel bed width	12.7	3.5	6.23
Average incision depth	0.95	0.4	0.75
Bank composition	organic	organic	organic
Dominant substrate	small cobble	very coarse gravel	very coarse gravel
Sub-dominate substrate	very coarse gravel	bedrock	small cobble
Large wood count	179	113	104
Key wood count	13	38	52
Macro-pool count	26	20	7

Karta River Southern Tributary 1 July 7-9, 2014



Stream crew part-way up the approximately 15 meter tall cascade at GPS Point 553

Karta Bay

Karta River

457

458

473

Tributary 1

547

553

531

524

Legend

- AWC Points
- AWC Mapped Reaches

OVK Mapped Reaches

- Reach 1
- Reach 2
- Reach 3
- Side Channel

Fish Trapping Data

- Cutthroat Trout
- Dolly Varden
- Coho Salmon
- No Fish

N

0 0.1 0.2 0.4 Miles

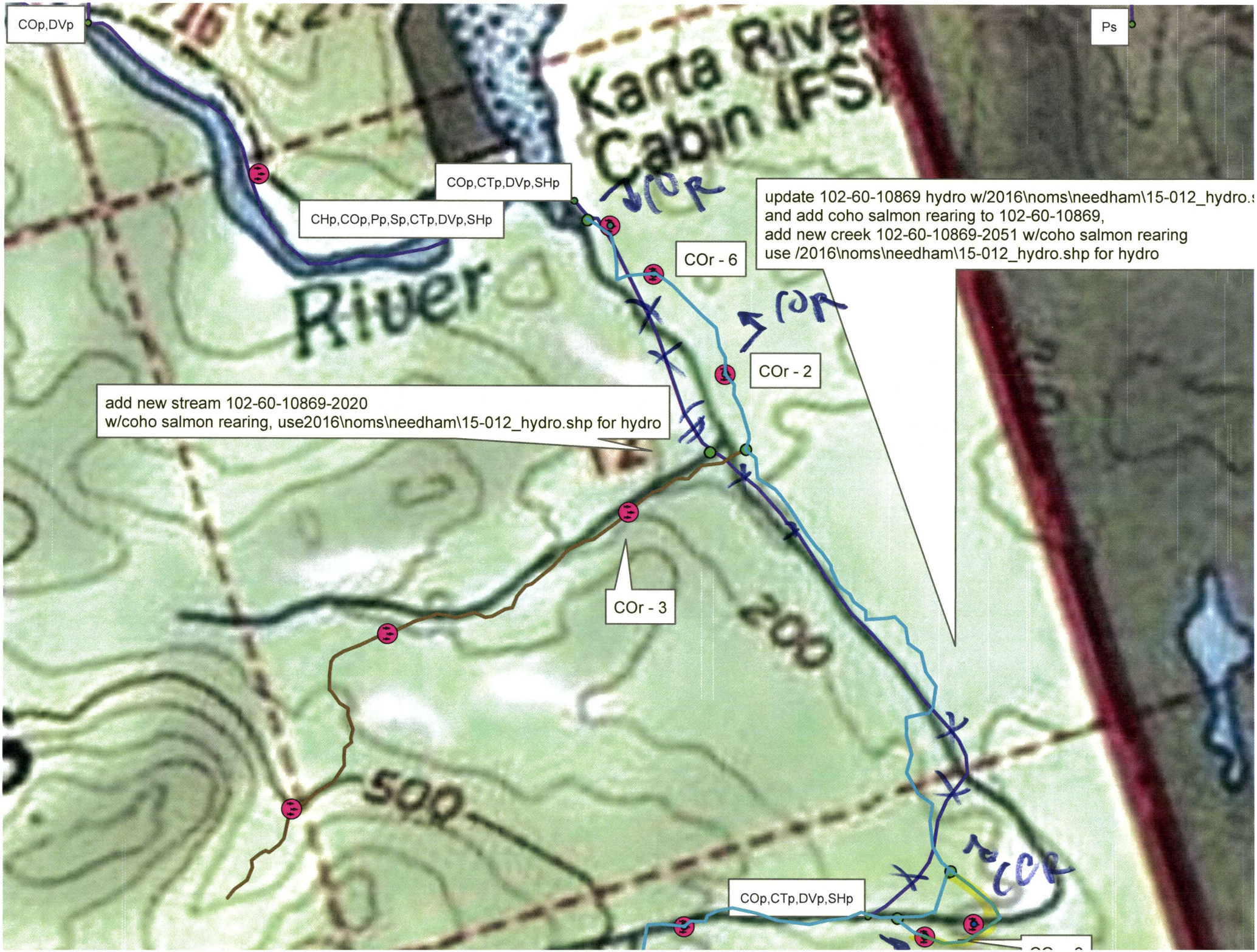
Sources: Esri, DeLorme, HERE, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

ADF&G permit no. SF2014-130

Summary report of fish collection activity.

The area biologist was contacted on: 6:43am/May 30, 2014

Location ID (optional)	Latitude	Longitude	Datum	Coordinate determination method	Name of water body	Date	Fish collection method	Species	Life stage	Length (mm) No estimates/ranges	Length method	Disposition (1)
457	55.558407	-132.575390	WGS84	GPS	Karta	7/7/2014	Minnow Trap	no fish collected or observed				
458	55.557339	-132.574557	WGS84	GPS	Karta	7/7/2014	Minnow Trap	cutthroat trout	juvenile	130	Fork	measured and released
458	55.557339	-132.574557	WGS84	GPS	Karta	7/7/2014	Minnow Trap	cutthroat trout	juvenile	90	Fork	measured and released
458	55.557339	-132.574557	WGS84	GPS	Karta	7/7/2014	Minnow Trap	coho salmon	juvenile	55	Fork	measured and released
458	55.557339	-132.574557	WGS84	GPS	Karta	7/7/2014	Minnow Trap	coho salmon	juvenile	60	Fork	measured and released
458	55.557339	-132.574557	WGS84	GPS	Karta	7/7/2014	Minnow Trap	coho salmon	juvenile			ID'ed and released
458	55.557339	-132.574557	WGS84	GPS	Karta	7/7/2014	Minnow Trap	coho salmon	juvenile	70	Fork	measured and released
458	55.557339	-132.574557	WGS84	GPS	Karta	7/7/2014	Minnow Trap	cutthroat trout	juvenile	80	Fork	measured and released
458	55.557339	-132.574557	WGS84	GPS	Karta	7/7/2014	Minnow Trap	cutthroat trout	juvenile	75	Fork	measured and released
458	55.557339	-132.574557	WGS84	GPS	Karta	7/7/2014	Minnow Trap	coho salmon	juvenile	85	Fork	measured and released
458	55.557339	-132.574557	WGS84	GPS	Karta	7/7/2014	Minnow Trap	coho salmon	juvenile	60	Fork	measured and released
458	55.557339	-132.574557	WGS84	GPS	Karta	7/7/2014	Minnow Trap	coho salmon	juvenile	70	Fork	measured and released
473	55.555232	-132.573409	WGS84	GPS	Karta	7/7/2014	Minnow Trap	sculpin-unspecified				ID'ed and released
473	55.555232	-132.573409	WGS84	GPS	Karta	7/7/2014	Minnow Trap	sculpin-unspecified				ID'ed and released
473	55.555232	-132.573409	WGS84	GPS	Karta	7/7/2014	Minnow Trap	sculpin-unspecified				ID'ed and released
473	55.555232	-132.573409	WGS84	GPS	Karta	7/7/2014	Minnow Trap	Dolly Varden	juvenile	130	Fork	measured and released
473	55.555232	-132.573409	WGS84	GPS	Karta	7/7/2014	Minnow Trap	coho salmon	juvenile	100	Fork	measured and released
473	55.555232	-132.573409	WGS84	GPS	Karta	7/7/2014	Minnow Trap	coho salmon	juvenile	80	Fork	measured and released
524	55.544478	-132.571478	WGS84	GPS	Karta	7/8/2014	Minnow Trap	no fish collected or observed				
531	55.544540	-132.573075	WGS84	GPS	Karta	7/8/2014	Minnow Trap	coho salmon	juvenile	100	Fork	measured and released
531	55.544540	-132.573075	WGS84	GPS	Karta	7/8/2014	Minnow Trap	coho salmon	juvenile	85	Fork	measured and released
531	55.544540	-132.573075	WGS84	GPS	Karta	7/8/2014	Minnow Trap	coho salmon	juvenile	75	Fork	measured and released
531	55.544540	-132.573075	WGS84	GPS	Karta	7/8/2014	Minnow Trap	coho salmon	juvenile	65	Fork	measured and released
531	55.544540	-132.573075	WGS84	GPS	Karta	7/8/2014	Minnow Trap	coho salmon	juvenile	80	Fork	measured and released
531	55.544540	-132.573075	WGS84	GPS	Karta	7/8/2014	Minnow Trap	coho salmon	juvenile	70	Fork	measured and released
547	55.546072	-132.580173	WGS84	GPS	Karta	7/8/2014	Minnow Trap	no fish collected or observed				


COp,DVp
Ps
Karta River
Cabin (FS)
River
COp,CTp,DVp,SHp
CHp,COp,Pp,Sp,CTp,DVp,SHp
COr - 6
COr - 2
COr - 3
update 102-60-10869 hydro w/2016\noms\needham\15-012_hydro.s
and add coho salmon rearing to 102-60-10869,
add new creek 102-60-10869-2051 w/coho salmon rearing
use /2016\noms\needham\15-012_hydro.shp for hydro
add new stream 102-60-10869-2020
w/coho salmon rearing, use2016\noms\needham\15-012_hydro.shp for hydro
COp,CTp,DVp,SHp
200
500