



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 102-60-10870-2004
 Name of Waterway Unnamed Tributary 2 to Karta River (see map) USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>15-010</u>	<u>James J. Hasbrouck</u> Fisheries Scientist	<u>5/8/2015</u> Date
Revision Year: <u>2016</u>	<u>Michelle A.</u> Habitat Operations Manager	<u>5/8/15</u> Date
Revision to: Atlas _____ Catalog _____ Both <u>✓</u>	<u>[Signature]</u> AWC Project Biologist	<u>30 Apr 15</u> Date
Revision Code: <u>B-1, A-1</u>	<u>TA</u> Cartographer	<u>5/13/15</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Pink Salmon (30+)	August 29, 2014	X		X	X
Coho Salmon (1)	August 29, 2014	X		X	X

30+ namks
15-009
15-014
15-015

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.
Extend 102-60-10870-2004 w/ pink salmon spawning and pink salmon present downstream thru lake

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 – Northern Tributary 2 Adults

On August 29, 2014 an adult foot count survey was completed on a tributary on the north side of the Karta River (AWC 102-60-10870-2004) by a stream crew from the Organized Village of Kasaan (OVK). As shown on the attached map this tributary enters the Karta River on the left bank, continues north for 0.2 miles where it flows out of a small lake before narrowing into a creek at the northeast end of the lake. The crew walked upstream from the Karta River, skirted the lake and continued the survey up the creek. During the survey the crew counted dead and live adult salmon in and out of the water. From the mouth of the stream to GPS Point 1023 one live adult coho, ten live pink salmon and four pink salmon carcasses were recorded. From GPS Point 1023 to 1024 20 live adult pink salmon and 29 carcasses were counted. The stream crew continued their survey until the large cascade at GPS Point 1025 (shown below); no more adult salmon were observed. The crew did a brief survey up a tributary on the left bank which they mapped in July, this survey ended at GPS Point 1026 and no adult fish were observed. It is likely that there were additional adults in the lake but due to dark and deep water none were observed.

During habitat mapping and minnow trapping in July 2014 no minnows were trapped above the cascade at GPS Point 1025. It is believed that it is a potential barrier to both adult and juvenile fish passage and that the upper extent of fish habitat on this tributary was reached.

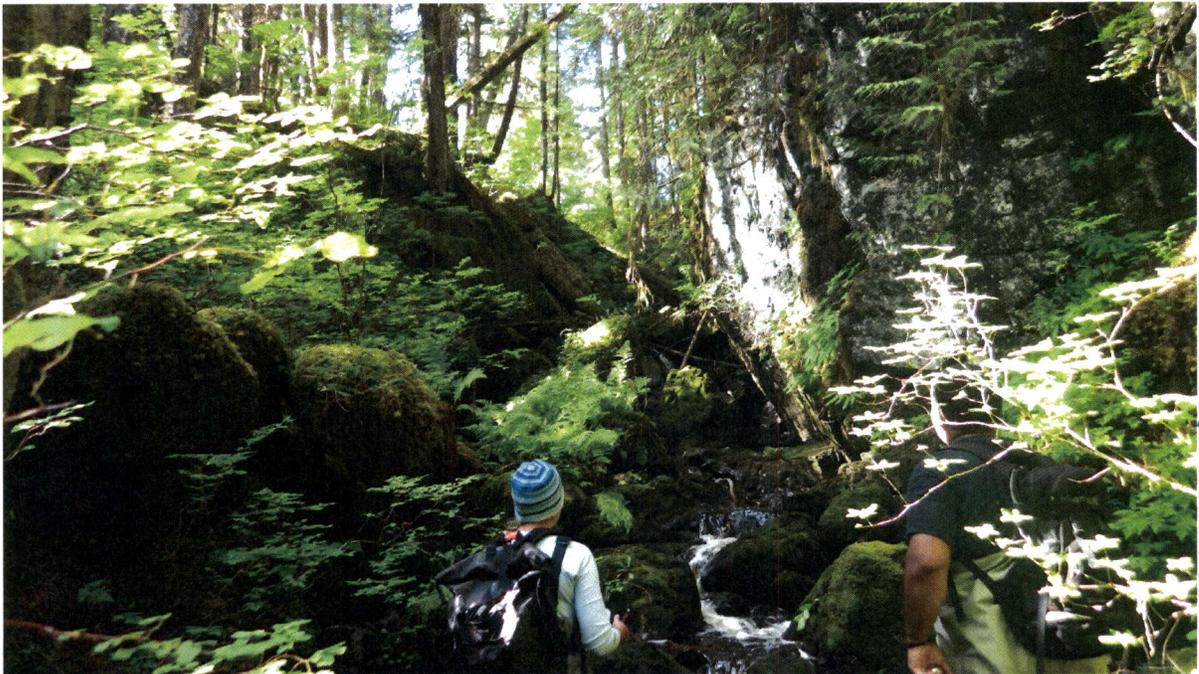
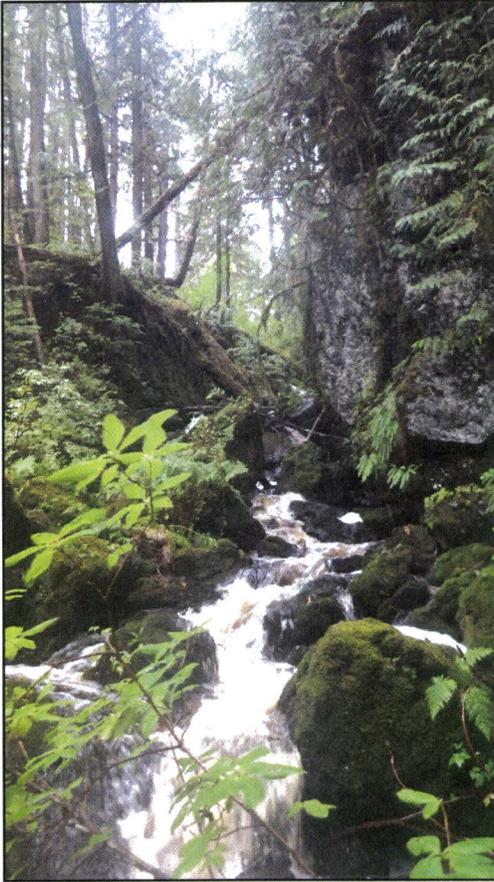
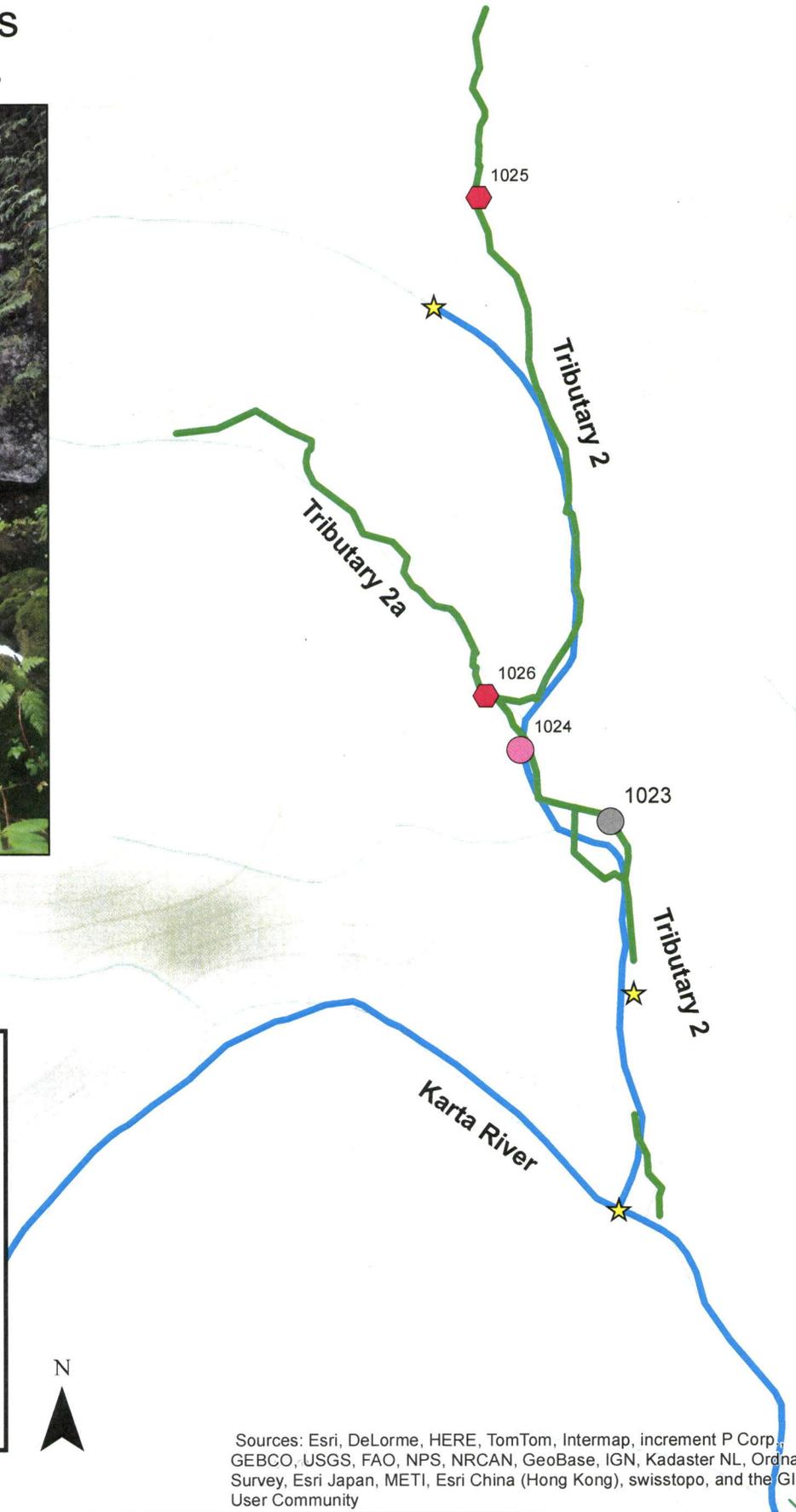


Photo 1: Partway up the cascade believed to be a barrier to fish passage on the northern tributary to Karta River

Karta River Tributary 2 Adult Foot Counts August 29, 2014



Cascade at GPS Point 1025



Legend

- ★ AWC Points
- AWC Mapped Reaches
- OVK Mapped Reaches

Adult Foot Count Data

- Last Adult Coho
- Last Adult Pink
- ⬡ End of Survey



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

FISH ESCAPEMENT COUNTS

Organized Village of Kasaan Stream Habitat Surveys

Fish Habitat permit: SF2014-130 (various stream)

Date of Survey	Watershed	Stream/Tributary	Survey Start GPS	Survey End GPS Point
8/29/2014	Karta	Karta River to Top of Lake	1021	1023

Index Area	Pink Salmon		Chum Salmon		Coho Salmon		Sockeye Salmon		Other	
	Live	Carcass	Live	Carcass	Live	Carcass	Live	Carcass	Live	Carcass
Mount										
Intertidal										
In Stream	10				2					
Riparian					2					
TOTAL NUMBERS	10				4					
Upper GPS Point	1023				1023					

Observers	Wind	Weather	Water	Visibility	Bottom	Additional Comments
Si Fawcett, Robina Moyer	light	steady drizzle	mid to high	lots of tanins	organic	Riparian carcasses seen in grass next to lake

FISH ESCAPEMENT COUNTS

Organized Village of Kasaan Stream Habitat Surveys

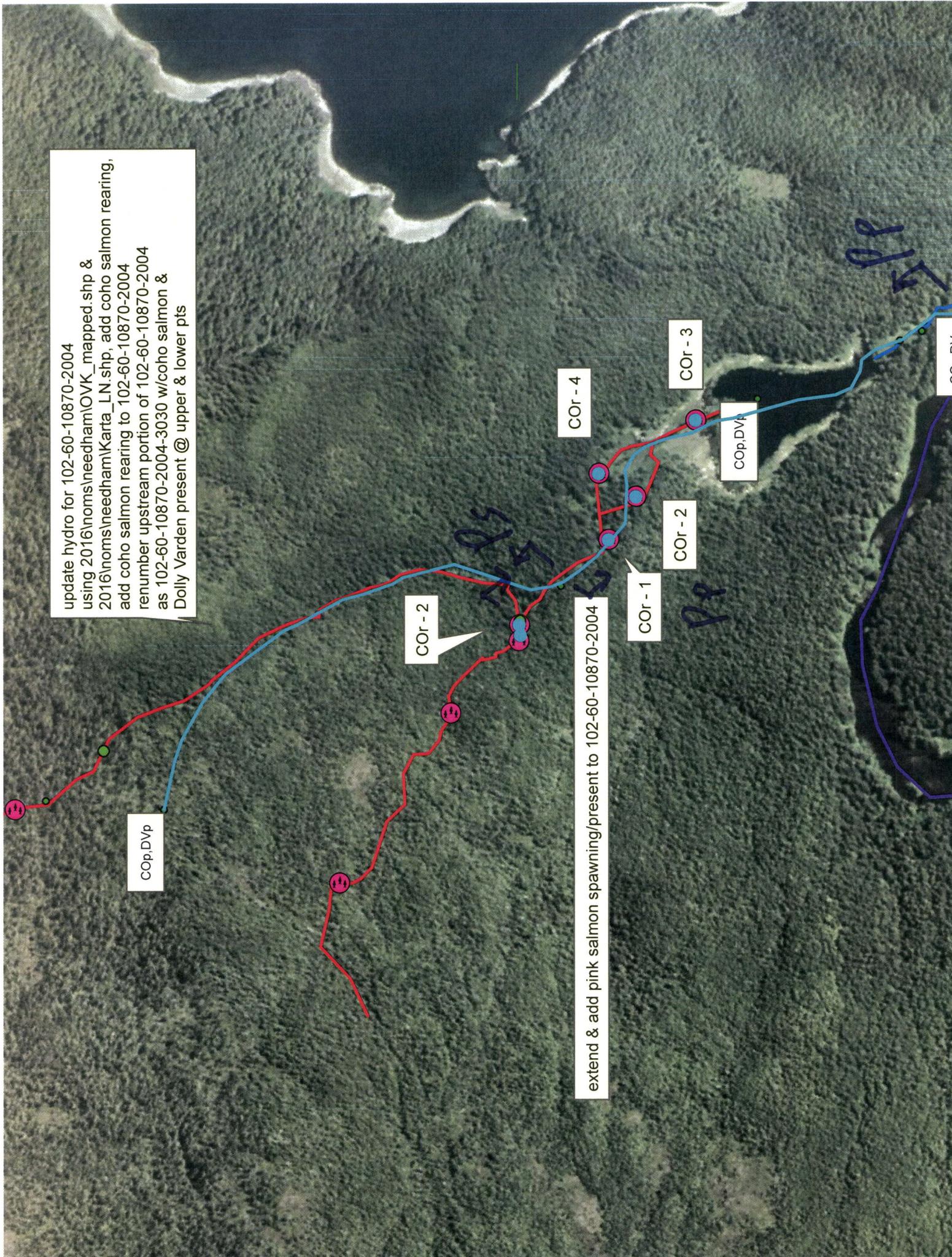
Fish Habitat permit: SF2014-130 (various stream)

Date of Survey	Watershed	Stream/Tributary	Survey Start GPS	Survey End GPS Point
8/29/2014	Karta	Lake Tributary	1023	1025

Index Area	Pink Salmon		Chum Salmon		Coho Salmon		Sockeye Salmon		Other	
	Live	Carcass	Live	Carcass	Live	Carcass	Live	Carcass	Live	Carcass
Mount										
Intertidal										
In Stream	20		3		1					
Riparian			26							
TOTAL NUMBERS	20	29			1					
Upper GPS Point	1024	1024			1023					

Observers	Wind	Weather	Water	Visibility	Bottom	Additional Comments
Si Fawcett, Robina Moyer	light	steady drizzle	mid to high	lots of tanins	small cobbles	Adult fish were not seen very far upstream, there were none by the time we got to the RB tributary we mapped earlier in the summer

update hydro for 102-60-10870-2004
using 2016\noms\needham\OVK_mapped.shp &
2016\noms\needham\Karta_LN.shp, add coho salmon rearing,
add coho salmon rearing to 102-60-10870-2004
renumber upstream portion of 102-60-10870-2004
as 102-60-10870-2004-3030 w/coho salmon &
Dolly Varden present @ upper & lower pts



extend & add pink salmon spawning/present to 102-60-10870-2004

COP.DVp

COR-2

COR-1

COR-2

COR-4

COR-3

COP.DVt

PP

PP