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

Nomination Form
Anadromous Waters Catalog

Region: Southeast

USGS Quad(s): Craig A-2

Anadromous Waters Catalog Number of Waterway: 103-21-10256-

Name of Waterway: Keete Inlet Unnamed Stream 5

USGS Name Local Name

x Addition Deletion Correction Backup Information

For Office Use

Nomination #	140039		
Revision Year:	2015	Fisheries Scientist	4/25/14 Date
Revision to:	Atlas ____ Catalog ____ Both X	Habitat Operations Manager	4/25/14 Date
		AWC Project Biologist	3/24/14 Date
Revision Code:	A-2d	Cartographer	5/19/14 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho salmon	6/18; 7/8; 7/10 of 2013		X	X	X
Dolly Varden	6/18; 7/8; 7/10 of 2013			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.

Add new stream w/ coho salmon rearing

Name of Observer (please print): Tony Sanderson

Signature: Tony Sanderson Date: 1.9.14

Agency: Hydaburg Cooperative Association

Address: P.O. Box 349
Hydaburg, Alaska 99922

ALASKA DEPT. OF FISH & GAME
JAN 10 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 Keete Inlet Stream 5

Eight baited minnow traps were soaked for 2-4 hours in Stream 5 in Keete Inlet on June 18, July 8 and July 10, 2013. The attached figure shows the trap locations. Stream 5 in Keete Inlet is not listed in the Anadromous Waters Catalog. This current nomination is to include the presence and rearing of coho salmon in a newly mapped anadromous stream. It is also noted that Dolly Varden were present. An ADFG fish trapping permit datasheet is attached to this nomination packet for further details on fish trapping efforts.

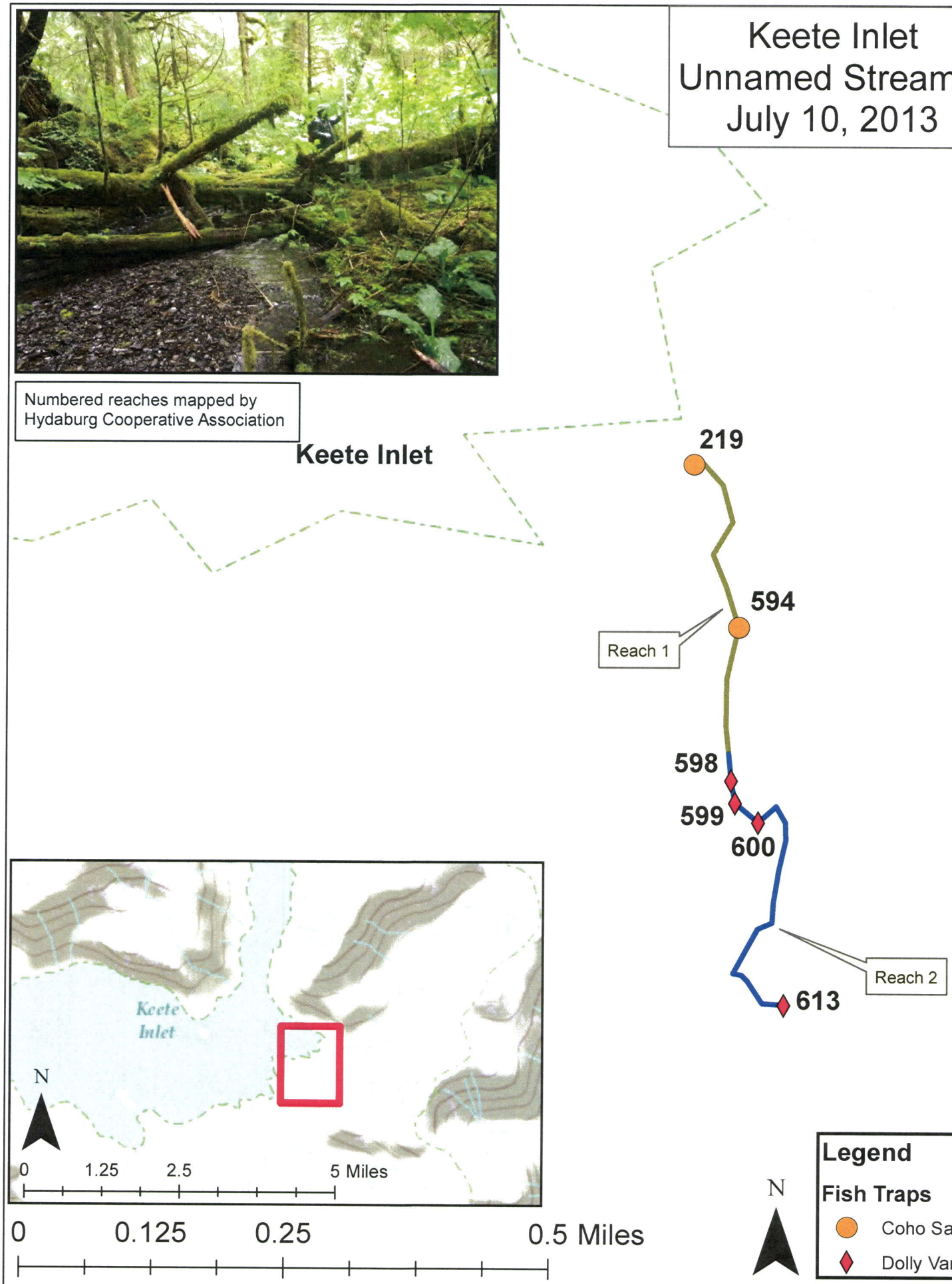
Stream mapping and survey data was collected by the Hydaburg Cooperative Association Stream Survey crew for Stream 5 on July 10, 2013. Data was taken on two reaches. The stream survey data are in the following tables:

	Reach 1	**Reach 2**
Average stream gradient	6.55	5.675
Average bankfull width	6.4	2.2
Average channel bed width	0.55	0.39
Average incision depth	3.5	2.43
Bank composition	Organic	Organic
Dominant substrate	Very course gravel	Very course gravel
Sub-dominate substrate	Course gravel and Small cobble	Small cobble and Course gravel
Large wood count	110	67
Key wood count	54	24
Macro-pool count	58	28

Reach 1 and Reach 2 were classified as AFM (moderate gradient alluvial fan). There were no barrier structures mapped on the stream. Coho salmon were found in Reach 1, but only Dolly Varden were found in Reach 2.

Keete Inlet
Unnamed Stream 5
July 10, 2013

Numbered reaches mapped by
Hydaburg Cooperative Association



Service Layer Credits: Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO,

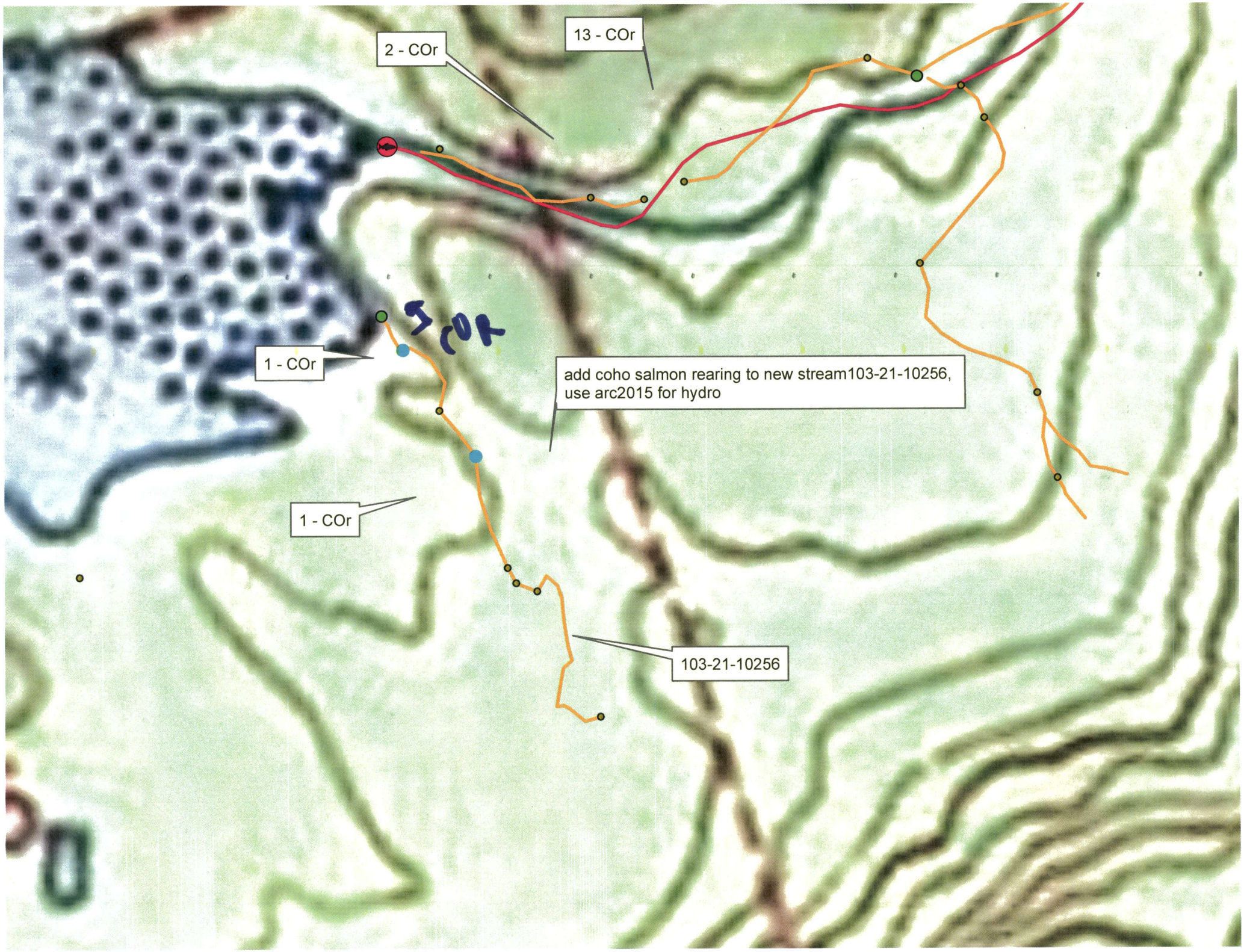
Date: 1/9/2014

ADF&G permit no. SF2013-208

Summary report of fish collection activity.

The area biologist was contacted on: 3:07pm 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 (mm) No estimates/ranges	Length method	Disposition (1)
219	55.05173301	-132.477487	WGS84	GPS	Keete	6/18/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile			ID'ed and released
594	55.05045796	-132.476863	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	78	fork	measured and released
594	55.05045796	-132.476863	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	80	fork	measured and released
594	55.05045796	-132.476863	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	80	fork	measured and released
594	55.05045796	-132.476863	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	81	fork	measured and released
594	55.05045796	-132.476863	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	67	fork	measured and released
594	55.05045796	-132.476863	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	70	fork	measured and released
594	55.05045796	-132.476863	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	70	fork	measured and released
594	55.05045796	-132.476863	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	80	fork	measured and released
594	55.05045796	-132.476863	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	78	fork	measured and released
594	55.05045796	-132.476863	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	72	fork	measured and released
594	55.05045796	-132.476863	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	65	fork	measured and released
598	55.04926002	-132.476959	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	105	fork	measured and released
598	55.04926002	-132.476959	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	95	fork	measured and released
598	55.04926002	-132.476959	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	108	fork	measured and released
599	55.04908299	-132.476902	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	115	fork	measured and released
599	55.04908299	-132.476902	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	110	fork	measured and released
599	55.04908299	-132.476902	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	112	fork	measured and released
600	55.04893396	-132.47659	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	115	fork	measured and released
600	55.04893396	-132.47659	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	112	fork	measured and released
609	55.04775203	-132.476919	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	no fish				
613	55.04750703	-132.476232	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	115	fork	measured and released
613	55.04750703	-132.476232	WGS84	GPS	Keete	7/8/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	85	fork	measured and released
592	55.05104	-132.47720	WGS84	GPS	Keete	7/10/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	60	fork	measured and released
592	55.05104	-132.47720	WGS84	GPS	Keete	7/10/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	65	fork	measured and released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1 COR
add coho salmon rearing to new stream103-21-10256, use arc2015 for hydro
1 - COr
103-21-10256