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: 103-21-10180

Name of Waterway: Keete Inlet Unnamed Stream 2 upper

USGS Name Local Name

x Addition Deletion Correction Backup Information

For Office Use

Nomination # 14-509		
Revision Year: 2015	Fisheries Scientist	4/25/14 Date
Revision to: Atlas ____ Catalog ____ Both ✓	Habitat Operations Manager	4/25/14 Date
A-1	AWC Project Biologist	5/24/14 Date
Revision Code: ~~A-1~~, B-2, C-9	Cartographer	5/20/14 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho salmon			X	X	X
Cutthroat trout				X	
Rainbow trout				X	
Dolly Varden				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.

Extend 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

Ref 14-508

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: _____

ALASKA DEPT. OF FISH & GAME
JAN 10 2014

02/08 Revision

Supplemental information for Keete Inlet Stream 2 above the lake

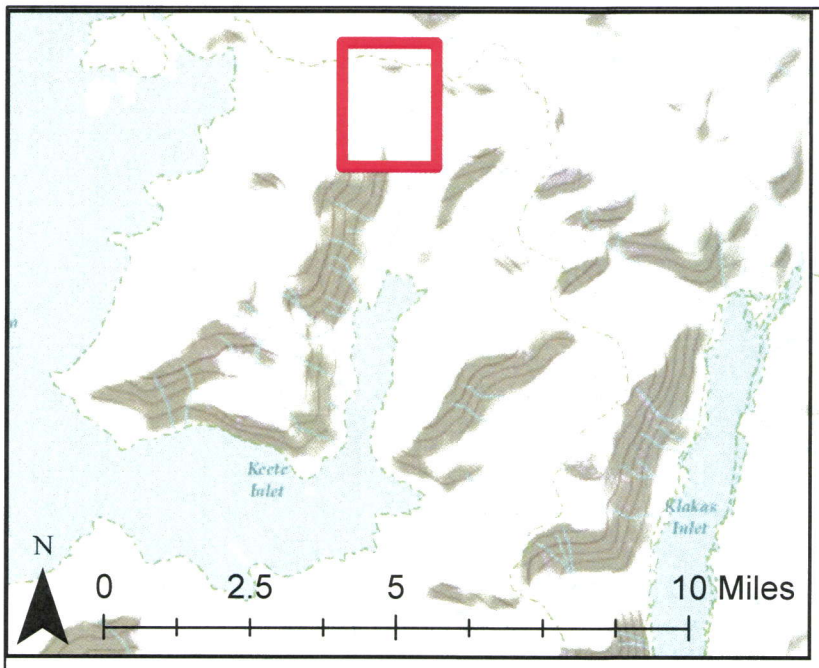
Six baited minnow traps were soaked for 2-4 hours in upper portion of Stream 2 in Keete Inlet on July 17, 2013. The attached figure shows the trap locations. Stream 2 above the lake in Keete Inlet is not listed in the Anadromous Waters Catalog. This current nomination is to include the mapped stream and add the presence and rearing of coho salmon. It is also noted that rainbow trout, cutthroat trout and Dolly Varden were present this section of the stream. 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 2 above the lake in Keete Inlet on July 17, 2013. Data was taken on four reaches (reach numbers in the tables correspond to a master dataset; see attached figure for locations). The stream survey data are in the following table:

	Reach 4	**Reach 5**	**Reach 6**	**Reach 7**
Average stream gradient	2.175	0.85	2.175	3.05
Average bankfull width	7.2	4.4	4.6	6.7
Average channel bed width	7.9	6.1	5.36	4.4
Average incision depth	0.62	0.56	0.6	0.55
Bank composition	Organic	Organic	Organic	Organic
Dominant substrate	Very course gravel	Very course gravel	Small cobble	Very course gravel
Sub-dominate substrate	Course gravel and Small cobble	Course gravel and Small cobble	Very course gravel and Large cobble	Small cobble and Course gravel
Large wood count	156	31	63	141
Key wood count	34	10	33	47
Macro-pool count	35	7	17	32

Reach 4 starts at the inlet of the lake and the reach was classified as MMS (moderate gradient mixed control). Reach 5 was classified as PAS (narrow placid flow channel). Reaches 6 and 7 were classified as MCS (moderate gradient contained). Coho were present in all four reaches, and there were no barriers to fish passage documented. The remainder of the creek was not surveyed, but likely contains additional fish habitat.

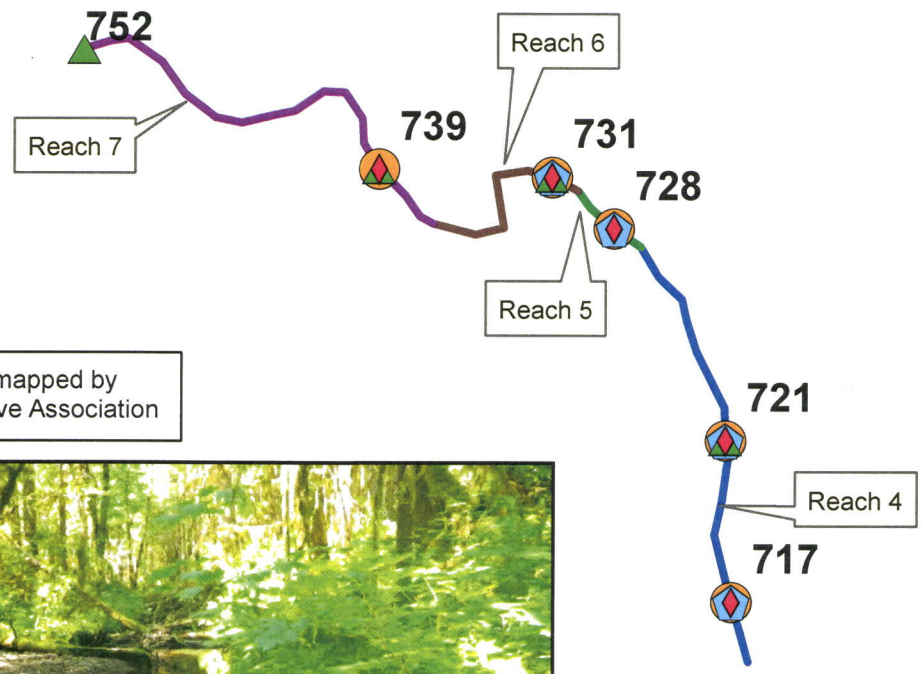
Keete Inlet
Unnamed Stream 2 Upper
July 17, 2013



Legend

Fish Traps

- Coho Salmon
- Dolly Varden
- Cutthroat Trout
- Rainbow Trout



Numbered reaches mapped by Hydaburg Cooperative Association

N

0 0.125 0.25 0.5 Miles

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)
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	139	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	75	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	98	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	90	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	87	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	82	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	88	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	92	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	78	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	105	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	81	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	65	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	91	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	100	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	stickleback-unspecified	juvenile	60	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	85	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	89	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	80	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	78	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	116	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	110	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	72	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	stickleback-unspecified	juvenile	49	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	62	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	stickleback-unspecified	juvenile	66	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	60	fork	measured and released
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	92	fork	measured and released

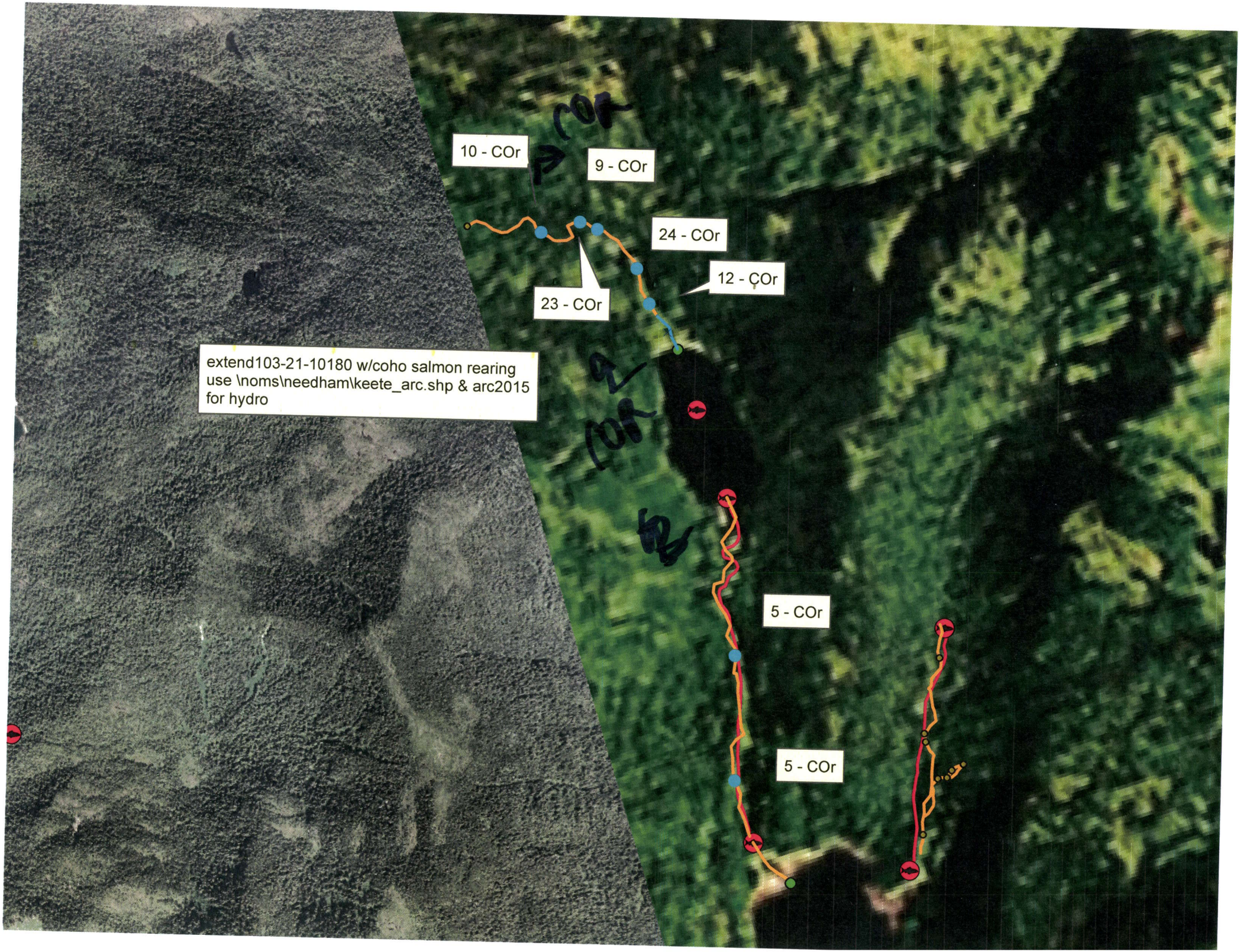
717	55.10624204	-132.482091	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	75	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	105	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	70	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	132	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	60	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	92	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	89	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	72	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	71	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	98	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	80	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	cutthroat trout	juvenile	77	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	110	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	100	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	89	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	70	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	77	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	102	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	72	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	65	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	72	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	105	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	cutthroat trout	juvenile	70	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	55	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	92	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	cutthroat trout	juvenile	72	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	76	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	73	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	60	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	57	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	85	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	cutthroat trout	juvenile	77	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	68	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	62	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	55	fork	measured and released

721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	65	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	59	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	70	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	60	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	80	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	54	fork	measured and released
721	55.10766403	-132.482187	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	52	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	93	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	80	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	60	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	90	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	80	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	111	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	70	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	90	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	117	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	95	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	90	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	75	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	97	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	115	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	80	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	93	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	68	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	69	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	71	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	92	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	99	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	79	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	112	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	89	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	92	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	100	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	71	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	80	fork	measured and released

728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	62	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	66	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	110	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	78	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	75	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	94	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	81	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	87	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	66	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	72	fork	measured and released
728	55.10953303	-132.483917	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	67	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	cutthroat trout	juvenile	120	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	85	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	cutthroat trout	juvenile	115	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	120	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	130	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	73	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	75	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	85	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	116	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	80	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	72	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	78	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	77	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	77	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	66	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	74	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile			ID'ed and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	67	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	66	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	80	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	75	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	cutthroat trout	juvenile	102	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	75	fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	no fish				

731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	cutthroat trout	juvenile	105 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	73 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	75 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	84 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile		ID'ed and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	85 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	75 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	70 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	110 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	72 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	68 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	73 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	70 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	90 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	110 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	66 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	90 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	79 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	78 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	82 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	81 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	90 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	70 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	cutthroat trout	juvenile	80 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	62 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	65 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	85 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	90 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	rainbow trout	juvenile		ID'ed and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	85 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	85 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	80 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	83 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	85 fork	measured and released
731	55.10998699	-132.484883	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	76 fork	measured and released

739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	120	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	60	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	89	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	cutthroat trout	juvenile			ID'ed and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	75	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	121	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	63	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile			ID'ed and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	80	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	50	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	53	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	90	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	60	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	70	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	80	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	70	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	95	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	51	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	87	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile			ID'ed and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	62	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	103	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	81	fork	measured and released
739	55.11005304	-132.487558	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	sculpin-unspecified		92	fork	measured and released
752	55.11110698	-132.492114	WGS84	GPS	Keete	7/17/2013	Tony Sanderson	Minnow Trap	cutthroat trout	juvenile	120	fork	measured and released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extend103-21-10180 w/coho salmon rearing use \noms\needham\keete_arc.shp & arc2015 for hydro
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