



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 102-60-10930-2020  
 Name of Waterway Unnamed Northern Tributary 2 to Paul Young (see map) USGS Name  Local Name   
 Addition  Deletion  Correction  Backup Information

For Office Use

Nomination # <u>15-004</u>	<u>James J. Hasbrouck</u> Fisheries Scientist Date <u>5/8/2015</u>
Revision Year: <u>2016</u>	<u>W. J. [Signature]</u> Habitat Operations Manager Date <u>5/8/15</u>
Revision to: Atlas <input type="checkbox"/> Catalog <input type="checkbox"/>	<u>[Signature]</u> AWC Project Biologist Date <u>5/14/15</u>
Both <input checked="" type="checkbox"/>	<u>T.R.</u> Cartographer Date <u>5/14/15</u>
Revision Code: <u>A-1</u>	

OBSERVATION INFORMATION

(5)

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho Salmon	June 26 & August 28, 2014		X	X	X
Dolly Varden	August 28, 2014			X	
Cutthroat Trout	August 28, 2014				

**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 creek w/ Coho Salmon Rearing*

*nom ref #15-005*

Name of Observer (please print): Robina Moyer Date: 10/7/14  
 Signature: [Signature]  
 Agency: Kai Environmental Consulting Services, LLC  
 Address: 9000 Glacier Hwy, Suite 302  
Juneau, AK 99801

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: OCT 13 2014

## **Supplemental Information for Paul Young Creek – Northern Tributary 2**

In the summer of 2014 a stream crew from the Organized Village of Kasaan (OVK) mapped habitat and trapped minnows in Paul Young Creek and its tributaries. Stream mapping and survey data was taken for two reaches on Tributary 2 to Paul Young Creek. Reach data is included in this packet and the corresponding locations are shown on the attached figure.

On June 26, 2014 one baited minnow trap was set at the mouth of the unnamed tributary on the northern side Paul Young Creek (AWC 102-60-10930-2020) at GPS point 334 and soaked for seven hours. The trap caught two coho salmon (75mm and 80mm) and six sculpin which were not measured. On August 28, 2014 two minnow traps were set further upstream in this tributary at GPS points 971 and 1001; these traps were soaked for 3-4 hours. The trap at location 971 caught one coho salmon (80mm). The trap at location 1001 caught three cutthroat trout (70mm, 100mm, 130mm), five Dolly Varden (80mm, 90mm, 110mm, 120mm) and five coho salmon (55mm, 70mm, 70mm, 75mm, 90mm). It is unknown if the Dolly Varden caught in this trap are anadromous. An ADF&G fish trapping permit data sheet is attached to this nomination packet which includes further details on fish trapping in Paul Young Creek. The attached map shows trap locations.

Traps were not set above GPS location 1001 due to time limitations on August 28<sup>th</sup>. GPS point 1017 represents the upper extent of stream mapping done by the field crew. The upper extent of the tributary became a single, narrow channel which passed through a section of grasses and sedges before changing back into a wooded area. Although no traps were set minnows were observed within 100 meters of the top of the mapped area. It is not believed that the crew reached the upper extent of fish habitat. The location of trap 1001 is approximately 0.5 miles above the currently mapped stream layer in the AWC.



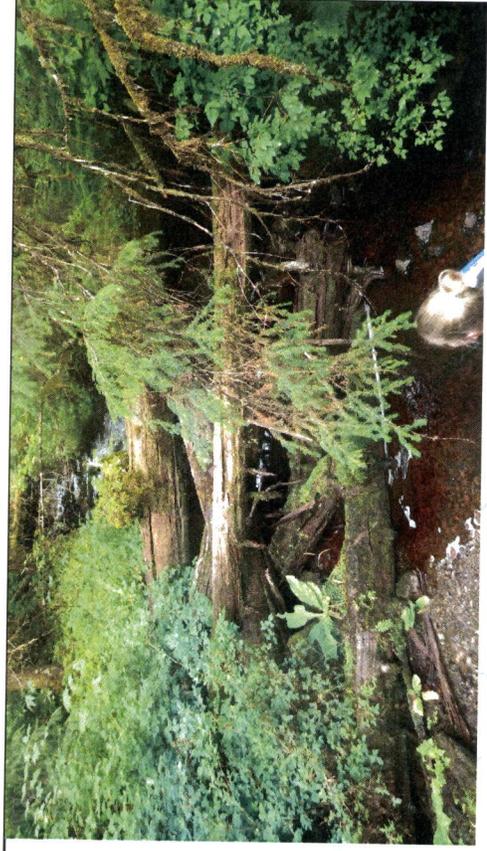
**Photo 1: Upper extent of mapped habitat, minnows were observed in the reach shown above.**

**Reach Data for Paul Young Creek Unnamed North Tributary 2**  
(AWC 102-60-10930-2020)

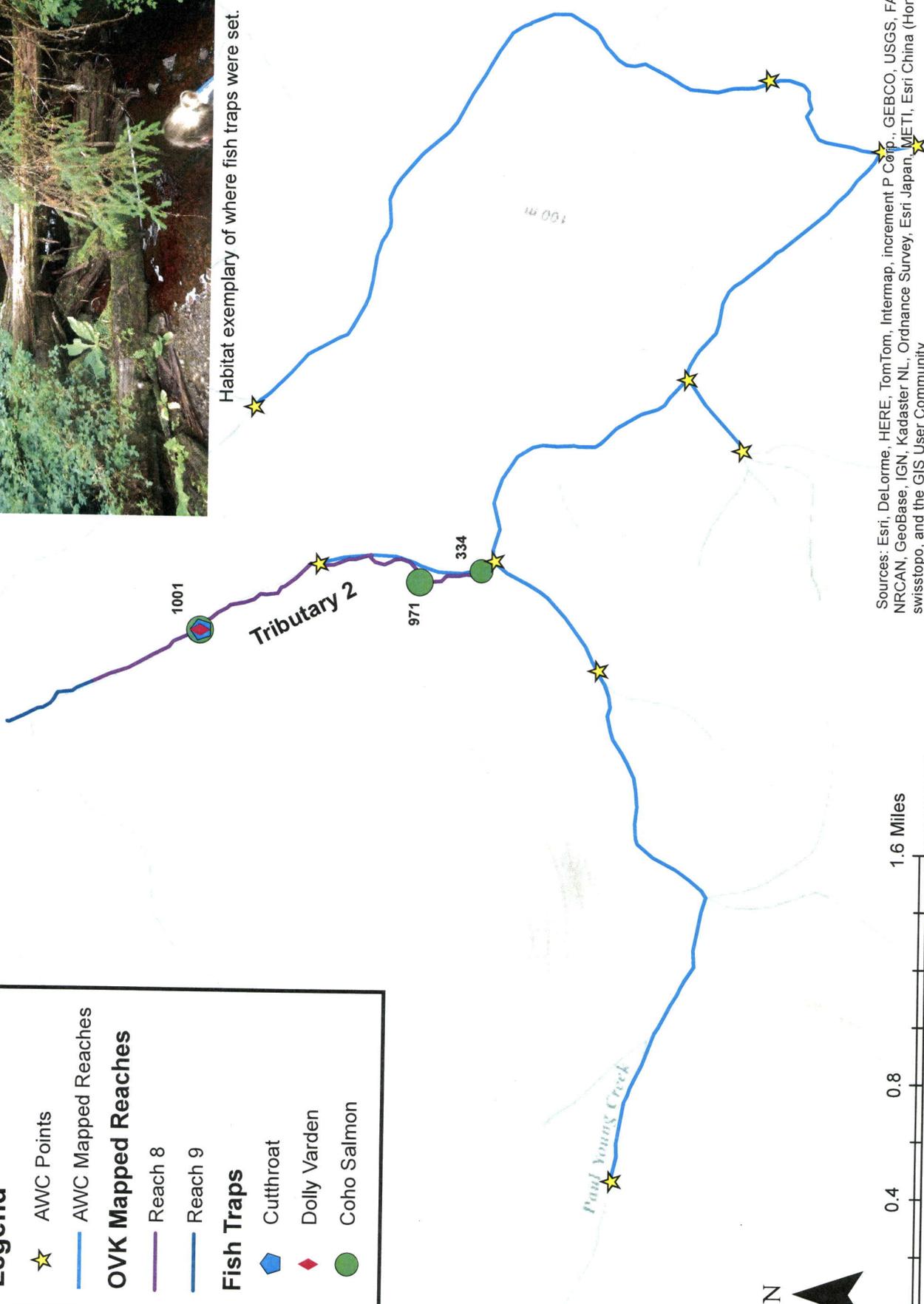
	<b>Reach 8</b>	<b>Reach 9</b>
<b>Average stream gradient</b>	1.73	3.45
<b>Average bankfull width</b>	6.8	1.2
<b>Average channel bed width</b>	2.9	2.3
<b>Average incision depth</b>	0.5	0.55
<b>Bank composition</b>	organic	organic
<b>Dominant substrate</b>	small cobble	organic
<b>Sub-dominate substrate</b>	very coarse gravel	organic
<b>Large wood count</b>	76	25
<b>Key wood count</b>	53	0
<b>Macro-pool count</b>	61	3

**Paul Young Creek**  
**June 26 and August 28, 2014**

- Legend**
- ★ AWC Points
  - AWC Mapped Reaches
  - OVK Mapped Reaches**
  - Reach 8
  - Reach 9
  - Fish Traps**
  - ◡ Cutthroat
  - ◊ Dolly Varden
  - Coho Salmon



Habitat exemplary of where fish traps were set.



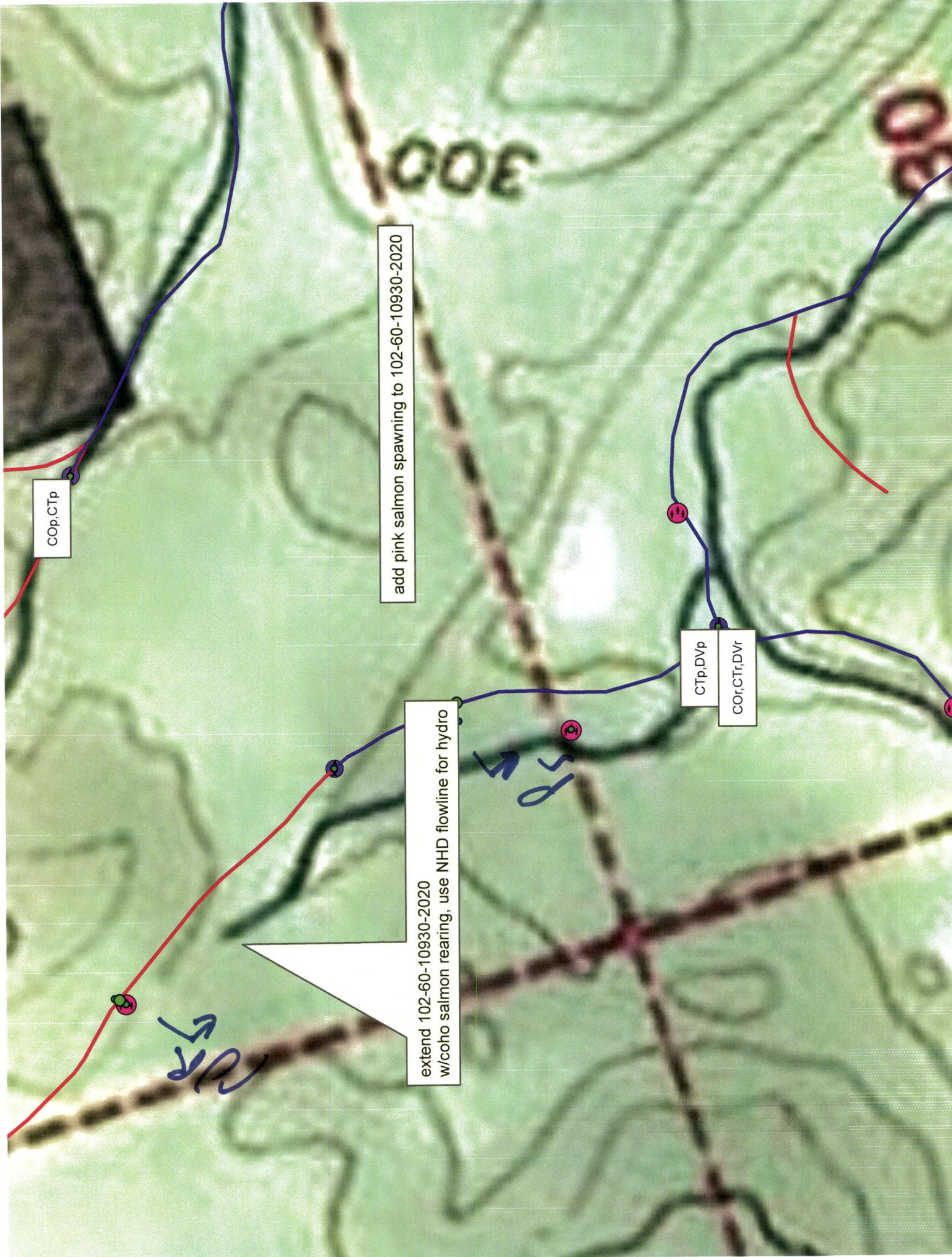
Sources: Esri, DeLorme, HERE, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

**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) estimates/ranges	Length method	Disposition (1)
334	55.603161	-132.600711	WGS84	GPS	Paul Young	6/26/2014	Minnow Trap	coho salmon	juvenile	75	Fork	measured and released
334	55.603161	-132.600711	WGS84	GPS	Paul Young	6/26/2014	Minnow Trap	sculpin-unspecified				ID'ed and released
334	55.603161	-132.600711	WGS84	GPS	Paul Young	6/26/2014	Minnow Trap	sculpin-unspecified				ID'ed and released
334	55.603161	-132.600711	WGS84	GPS	Paul Young	6/26/2014	Minnow Trap	coho salmon	juvenile	80	Fork	measured and released
334	55.603161	-132.600711	WGS84	GPS	Paul Young	6/26/2014	Minnow Trap	sculpin-unspecified				ID'ed and released
334	55.603161	-132.600711	WGS84	GPS	Paul Young	6/26/2014	Minnow Trap	sculpin-unspecified				ID'ed and released
334	55.603161	-132.600711	WGS84	GPS	Paul Young	6/26/2014	Minnow Trap	sculpin-unspecified				ID'ed and released
971	55.604908	-132.601294	WGS84	GPS	Paul Young	6/26/2014	Minnow Trap	sculpin-unspecified				ID'ed and released
1001	55.611162	-132.603826	WGS84	GPS	Paul Young	8/28/2014	Minnow Trap	coho salmon	juvenile	80	Fork	measured and released
1001	55.611162	-132.603826	WGS84	GPS	Paul Young	8/28/2014	Minnow Trap	cutthroat trout	juvenile	130	Fork	measured and released
1001	55.611162	-132.603826	WGS84	GPS	Paul Young	8/28/2014	Minnow Trap	Dolly Varden	juvenile	90	Fork	measured and released
1001	55.611162	-132.603826	WGS84	GPS	Paul Young	8/28/2014	Minnow Trap	Dolly Varden	juvenile	120	Fork	measured and released
1001	55.611162	-132.603826	WGS84	GPS	Paul Young	8/28/2014	Minnow Trap	coho salmon	juvenile	90	Fork	measured and released
1001	55.611162	-132.603826	WGS84	GPS	Paul Young	8/28/2014	Minnow Trap	Dolly Varden	juvenile	80	Fork	measured and released
1001	55.611162	-132.603826	WGS84	GPS	Paul Young	8/28/2014	Minnow Trap	Dolly Varden	juvenile			ID'ed and released
1001	55.611162	-132.603826	WGS84	GPS	Paul Young	8/28/2014	Minnow Trap	coho salmon	juvenile	70	Fork	measured and released
1001	55.611162	-132.603826	WGS84	GPS	Paul Young	8/28/2014	Minnow Trap	coho salmon	juvenile	75	Fork	measured and released
1001	55.611162	-132.603826	WGS84	GPS	Paul Young	8/28/2014	Minnow Trap	coho salmon	juvenile	70	Fork	measured and released
1001	55.611162	-132.603826	WGS84	GPS	Paul Young	8/28/2014	Minnow Trap	coho salmon	juvenile	55	Fork	measured and released
1001	55.611162	-132.603826	WGS84	GPS	Paul Young	8/28/2014	Minnow Trap	cutthroat trout	juvenile	70	Fork	measured and released
1001	55.611162	-132.603826	WGS84	GPS	Paul Young	8/28/2014	Minnow Trap	cutthroat trout	juvenile	100	Fork	measured and released
1001	55.611162	-132.603826	WGS84	GPS	Paul Young	8/28/2014	Minnow Trap	Dolly Varden	juvenile	110	Fork	measured and released



COp,C Tp

add pink salmon spawning to 102-60-10930-2020

extend 102-60-10930-2020  
w/coho salmon rearing, use NHD flowline for hydro

C Tp,DVp

COr,C Tr,DVr