



State of Alaska  
Department of Fish and Game  
Sportfish Division

Nomination Form  
Anadromous Waters Catalog

ME

Region Southeastern USGS Quad(s) Skagway B-4 ~~Northwest~~ <sup>NE</sup>

Anadromous Waters Catalog Number of Waterway 115-32-10250-2077-3082

Name of Waterway 33 Mile Creek  USGS Name  Local Name  
 Addition  Deletion  Correction  Backup Information

For Office Use

Nomination #	<u>11-528</u>	<u>[Signature]</u>	<u>10/28/10</u>
		Fisheries Scientist	Date
Revision Year:	<u>2012</u>	<u>[Signature]</u>	<u>10/28/11</u>
		Habitat Operations Manager	Date
Revision to:	Atlas <u>        </u>	<u>[Signature]</u>	<u>9/26/11</u>
	Both <u>X</u>	AWC Project Biologist	Date
Revision Code:	<u>C-9, C-7</u>	<u>[Signature]</u>	<u>11/29/11</u>
		Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	08/01/2011		✓	✓	✓
coho salmon	08/14/2011		✓	✓	✓
coho salmon	08/15/2011		✓	✓	✓

**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:**  
 Coordinates (Lat,Long): Upper(59.429219,-136.176015) Lower(59.425948,-136.137112)  
*Revise hydrography, Reposition upper & lower pts*

Name of Observer (please print): Tess Quinn  
 Signature: 146.63.61.200 (Web Nomination) Date: 09/13/2011  
 Agency: \_\_\_\_\_  
 Address: PO Box 240927 PO Box 240927  
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: \_\_\_\_\_ Revision 02/08  
 Name of Area Biologist (please print): \_\_\_\_\_

**115-32-10250-2077-3082 Tributary**

*Stream:* 33 Mile Creek (115-32-10250-2077-3082, COsr)

*Watershed:* Takhin

*USGS Quadrangle:* Skagway B-4 Northeast

*MTRS:* Section 24, Township 28S, Range 54E

*Date Surveyed:* August, 2011

*Findings:* The route of 33 Mile Creek mainstem differs from that illustrated in the AWC. The headwaters are in a different location than is currently cataloged, and the mouth enters the Chilkat in a different area.

*Recommendations:* Update the route, upper, and lower limit of this stream in the AWC.

*Nomination Form Submitted:* Yes.

*Nomination Status:*

*Notes:*

**Table 1: 8/14/2011 33 Mile Survey Data**

Waypoint	lat	long	Notes	Survey Effort	Survey Results
1	59.42995	-136.16136	Where tributary that we tracked earlier enters. Going to continue up the main stem and tracking up.		
2	59.429914	-136.16171	Tributary entering from creek right. Going to track up the tributary.		
3	59.42941	-136.16379	Electrofished at 300v, 30Hz and Duty Cycle of 3. Got one Dolly Varden at about 55mm.	Electrofished	1 Dolly Varden about 55mm
4	59.429257	-136.1641	Electrofished at 300v, 30Hz and Duty Cycle of 3. Got one Dolly Varden at about 50mm.	Electrofished	1 Dolly Varden about 50mm
5	59.42928	-136.16443	Electrofished at 300v, 30Hz and Duty Cycle of 3. Got two Dolly Varden that were 50-55mm.	Electrofished	2 Dolly Varden about 50-55mm
6	59.429167	-136.16504	Electrofished at 300v, 30Hz and Duty Cycle of 3. Got one Dolly Varden that was 85mm.	Electrofished	1 Dolly Varden that was 85mm
7	59.429308	-136.16705	Electrofished at 300v, 30Hz and duty cycle of 3. And got nothing. But able to make a visual identification on one Dolly Varden and it was 50mm. Also where creek goes under ground. Looks like it has a hole big enough for adult fish to be able to pass. Continuing up.	Electrofished and visual identification	1 Dolly Varden that was 50mm
8	59.429345	-136.16728	Electrofished above the covered part of the stream and got one Dolly Varden at 100mm.	Electrofished	1 Dolly Varden that was 100mm
9	59.429334	-136.16844	Top of the tributary. Pools at the top with not much flow out. The pools have iron deposits that are on the bottom.		

10	59.429974	-136.16461	Tributary entering from creek left. Going to track up tributary.		
11	59.42999	-136.16499	Electrofished at 300v, 30Hz and duty cycle of 3. Got one Dolly Varden that was 55mm.	Electrofished	1 Dolly Varden that was 55mm
12	59.429999	-136.16577	Top of the tributary. It pools near the point and just comes out of the ground. Able to make a visual identification on three Dolly Varden that were about 80mm.	Visual identification	3 Dolly Varden that were 80mm
13	59.429692	-136.16542	Netted one Coho that was 55mm.	Net	1 Coho that was 55mm
14	59.429586	-136.16591	Tributary entering creek right. Tracking up.		
15	59.429458	-136.16619	Top of the tributary. Just pools up and comes to a end. Water coming up out of the ground.		
16	59.429768	-136.16757	Netted one Coho that was 50mm.	Net	1 Coho that was 50mm
17	59.429835	-136.16812	Tributary entering from creek left. Half of the flow that is in creek is coming from the tributary. Which turned out to be side channel. Tracking up. The water channel appears to be new, no defined channel, just flowing over the forest floor.		
18	59.429782	-136.17025	Where beaver dam is. The water that comes out at WPT#17 is just water from 33 Mile creek that is over flowing the banks where dam is at and flowing through woods to reconnect with 33 Mile main stem. Track up main stem.		
19	59.429795	-136.17238	Another beaver dam, has pretty good flow over the banks that make up side. Continuing up.		
20	59.429693	-136.17265	Possible tributary entering from creek left. Not going to track going to continue up main stem.		
21	59.429729	-136.17327	Beaver dam with pretty good flow through it. Continue up main stem.		
22	59.429219	-136.17601	Have come to point where there is flow coming in from all directions. Basically a beaver complex that is spread out over a large area. With very thick willows making tracking hard. Going to call this top for now.		

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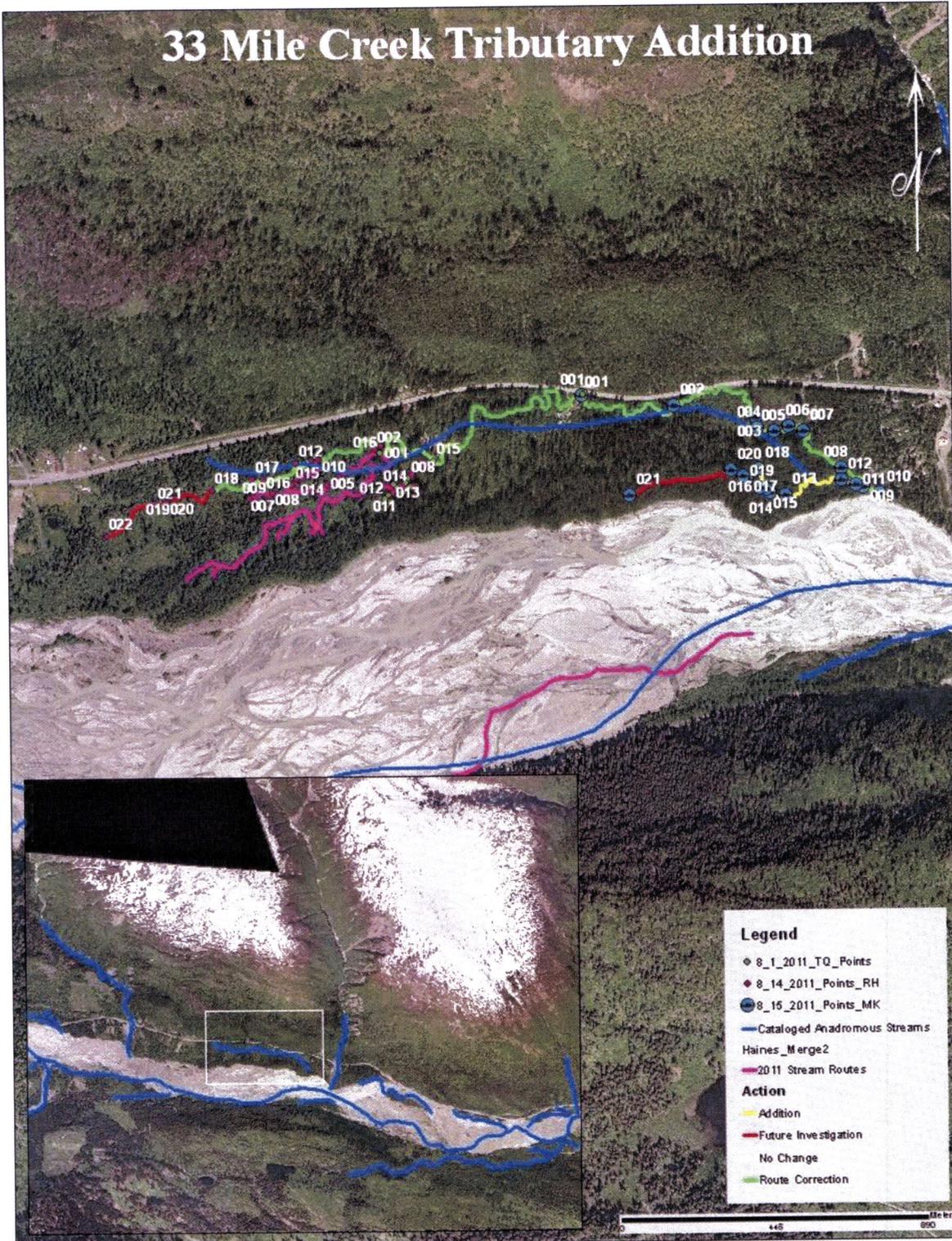
**Table 2: 8/15/2011 33 Mile Creek Survey Data**

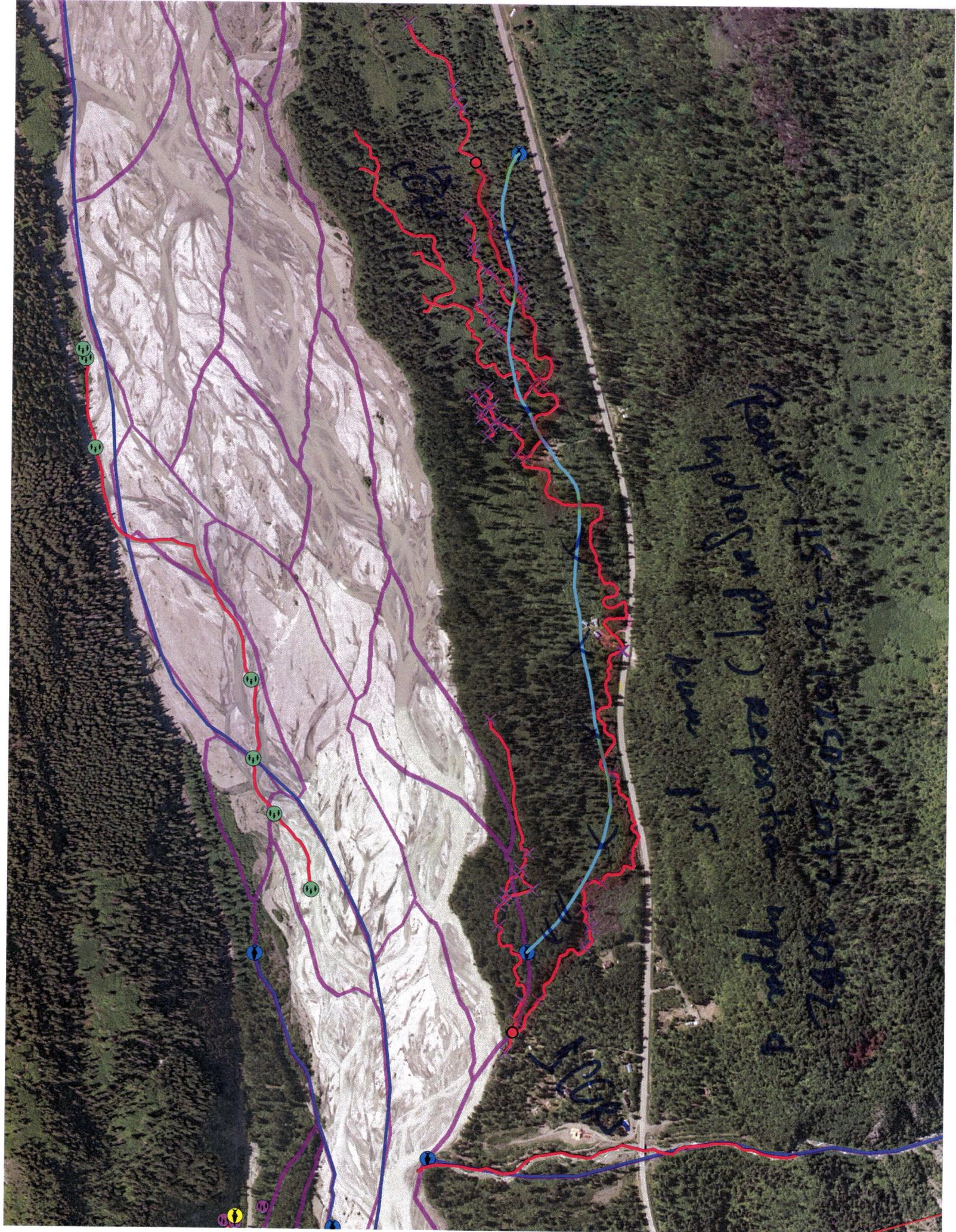
Waypoint	lat	long	Notes	Sample Effort	Sample Result
1	59.43010814	-136.1508209	Begin tracking downstream just off roadway where we started upstream in the past.		
2	59.42932293	-136.1464091	Tributary enters on River Left - begin tracking upstream - just kidding - resume down mainstem - come back with E-fisher later for this guy- visual ID 1 coho at mouth.	Visual ID	Probably 1 Coho - 35 mm
3	59.4285989	-136.1424284	Possible tributary or backwater behind beaver dam - maybe map out later.		
4	59.42829154	-136.1424981	Another possible tributary or backwater on each side of the creek.		
5	59.42812893	-136.1416692	Channels enter on each side of the creek - possible tributaries or backwaters..		
6	59.4281643	-136.1408751	Possible trib or backwater enters on river left - has many small visible mud dams -		
7	59.42796322	-136.1402348	Big beaver dam - apparently NOT a barrier - side flow provides fish pass.		
8	59.42682344	-136.1387439	Very small tributary enters on River Right - very small		
9	59.42621006	-136.13786	Tributary enters on River Right - track upstream soon...		
10	59.42594754	-136.1371119	Mouth of 33 Mile Creek confluence with Klehini River - Rainy beautiful day.		
11	59.42630553	-136.1382088	3 Coho scooped up in handnet - 35-45 mm - in length - continue upstream	NET	3 Coho - 35-45 mm
12	59.4265103	-136.1388941	1 Coho - 45 mm - handscooped	NET	1 Coho - 45 mm
13	59.42644827	-136.141839	1 Coho - 40 mm - handnetted by Moosepaddle!	NET	1 Coho - 40 mm
14	59.42657283	-136.1426047	3 Coho handnetted in small spring pool-side pool - Resume upstream migration.	NET	3 Coho - 35-45 mm
15	59.42669294	-136.1427131	Tributary enters on River Right - Let's go take a look shall we? Yes.		
16	59.42675807	-136.1429964	1 Coho handnetted - 38 mm	NET	1 Coho - 38 mm
17	59.42705227	-136.1435818	Tributary ends in small pool - semi disconnected from the rest of the stream... Dry channel extends beyond.		
18	59.42725671	-136.1428743	2 Cohos - 40-45 mm handscooped with stick prod aid.	NET	2 Coho - 40-45 mm
19	59.42714875	-136.1436965	1 Coho netted - 45 mm - continue upstream	NET	1 Coho - 45 mm
20	59.42735905	-136.1442575	Upper extent of connected-watered-habitat. 7 Dead coho - 30-60 mm in tiny pool - must have been trapped and dried out.	HAND	7 Coho - 30-60
21	59.42731219	-136.1495723	Becomes more forest and less channel like... Time to book it outta here across the forest and somehow find the van.		

**Table 3: 8/1/2011 33 Mile Creek Survey Data**

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	59.430144	-136.15079	Begin track of 33 mile at bend in stream, heading upstream.		
2	59.429108	-136.159073	Trib on river right.		
3	59.429209	-136.160027	Handnet 2 co, 35-50 mm among woody debris in trib 1.	Handnet	2 Co, 35-50mm
4	59.428868	-136.160514	Confluence of two tribs. Taking the left trib (trib 2)		
5	59.428772	-136.160352	Trib 2A Heading up		
6	59.42867	-136.160049	Shocking upper limit of trib 2A. Immobilized 1 huge dolly (5") but did not capture.	Electrofishing	Visual ID DV, 140mm
7	59.428637	-136.160788	Shocking upper limit of trib 2. None. Shallow mossy seep, organic substrate.	Electrofishing	None
8	59.428978	-136.160372	Back on trib 1. no fish captured in trib 2.		
9	59.428853	-136.161063	Shocking confluence of trib 2 and trib 2 B. captured 2 DV, 75mm	Electrofishing	2 DV, 75mm
10	59.428674	-136.160993	Shocking up trib 2. Captured 1 DV, 75mm.	Electrofishing	1 DV, 75mm
11	59.428663	-136.161494	Shocking calm shallow pool on trib 2. No fish.	Electrofishing	None.
12	59.428577	-136.161717	End of stream. Becomes a mossy seep.		
13	59.428914	-136.161175	Back on trib 2B.		
14	59.428896	-136.161829	End of trib 2B, Shocked upper limit, no fish.	Electrofishing	None
15	59.429282	-136.1589	Back on mainstem headin upstream.		
16	59.429772	-136.16146	trib 3 coming into 33 mile on river right. Heading up trib 3.		

# 33 Mile Creek Tributary Addition





Removal of debris fan  
hydrograph (reporting upper  
part of  
from 1st

1st

2nd