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

Nomination Form
Anadromous Waters Catalog

Region: Southeast

USGS Quad(s): Craig A-3

AWC Number of Water Body: 103-40-10480

Name of Water body: Dunbar Inlet Unnamed Stream 7 ☐ USGS Name ☐ Local Name

☒ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination # 150057	James J Hasbrouck	Fisheries Scientist	5/8/2015 Date
Revision Year: 2016	[signature]	Habitat Operations Manager	5/8/15 Date
Revision to: Atlas ____ Catalog ____ Both X	[signature]	AWC Project Biologist	29 Apr 15 Date
Revision Code: A-1, B-2, B-6	[signature]	GIS Analyst	5/13/15 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho salmon	Aug 13-14 and Sept 11, 2014	X	X		☒
Pink salmon	Aug 13 and Sept 11, 2014	X			☒
Chum salmon	Aug 13 and Sept 11, 2014	X		X	☒
Dolly Varden	Aug 13-14, 2014			X	☐
Rainbow trout	Aug 13-14, 2014			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 supplemental information attached. This package was prepared by Cathy Needham and Melanie Kadake. For questions or more information contact Ms. Kadake at 907-285-2666 or mjkadake13@gmail.com or Ms. Needham at 907-723-4436 or cathy@kaienvironmental.com

Add Coho Salmon Rearing to portion of 103-40-10480
extend 103-40-10480 w/ Coho Salmon Rearing/ present.

Name of Observer (please print): Tony Sanderson

Signature: [signature]

Date: 12-8-14

Agency: Hydaburg Cooperative Association

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

ALASKA DEPT. OF FISH & GAME
DEC 11 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: _____

Name of Area Biologist (please print):

Revision 11/13

Supplemental information for Dunbar Inlet Stream 7

Seven baited minnow traps were soaked for 1-8 hours in Stream 7 in Dunbar Inlet on August 14th, 2014. Stream 7 in Dunbar Inlet is listed in the Anadromous Waters Catalog (103-40-10480) for Coho and pink salmon presence. This current nomination is to include the spawning and rearing of Coho salmon, spawning of pink salmon, and spawning and presence of chum salmon. It is also noted that Rainbow 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. Adult foot counts were performed on August 13th and September 11th and adult pink salmon, Coho salmon, and chum salmon were observed through reach 10 (see map for reach locations; adult foot count data sheets are attached).

Stream mapping and survey data was collected by the Hydaburg Cooperative Association Stream Survey crew for Stream 7 below on August 13th and 14th, 2014. Data was taken on ten reaches (reach numbers in the tables correspond to a master dataset; see attached figure for locations). All reaches were the main stem of the stream. The stream survey data are in the following tables:

	Reach 1	Reach 2	Reach 3	Reach 4
Average stream gradient	0.85	3.1	3.9	4.3
Average bankfull width	10	11.1	12.7	18.5
Average channel bed width	13.2	12.1	7.9	13.5
Average incision depth	0.9	0.65	0.59	0.85
Bank composition	Mixed	Mixed	Mixed	Mixed
Dominant substrate	Small Cobble	Small Cobble	Small cobble	Small cobble
Sub-dominate substrate	Very Course gravel and Organic	Large cobble and Very Course Gravel	Large cobble and Very Course Gravel	Large cobble and Small boulder
Large wood count	1	49	27	17
Key wood count	3	7	27	2
Macro-pool count	3	14	39	29

	Reach 5	Reach 6	Reach 7
Average stream gradient	4.8	9.2	1.3
Average bankfull width	10	12.8	12.8
.Average channel bed width	8.6	8.6	9.8
Average incision depth	1.2	0.9	0.85
Bank composition	Mixed	Mixed	Mixed
Dominant substrate	Bedrock	Bedrock	Small cobble
Sub-dominate substrate	Large Med. Boulder and Small Boulder	Large Med. Boulder and Small Boulder	Large cobble and Small boulder
Large wood count	7	11	11
Key wood count	4	8	0
Macro-pool count	11	44	12

	Reach 8	Reach 9	Reach 10
Average stream gradient	5.8	2.6	4.8
Average bankfull width	10	13.4	12.4
.Average channel bed width	9.2	10.6	8.1
Average incision depth	1	0.75	1.2
Bank composition	Mixed	Mixed	Bedrock
Dominant substrate	Bedrock	Small cobble	Bedrock
Sub-dominate substrate	Large Med. Boulder and Small Boulder	Very coarse gravel and large cobble	Large Med. Boulder and Small Boulder
Large wood count	9	27	17
Key wood count	0	5	4
Macro-pool count	11	17	27

Reach 1 was classified as ELS (Large Estuarine Channel), Reach 2-5 and 9 was classified as MMM (Medium width moderate gradient mixed control channel), Reach 6 was classified as HCL (low incision high gradient), Reach 7 was classified as LCM (medium/low gradient contained channel), and Reaches 8 and 10 was classified as MCM (Medium moderate gradient contained channel). There were no barrier features in Reaches 1-10 that were noted by the stream survey crew. The crew did not map or fish trap beyond this point (due to no time), so it is unknown if the upper extent of fish habitat was reached.

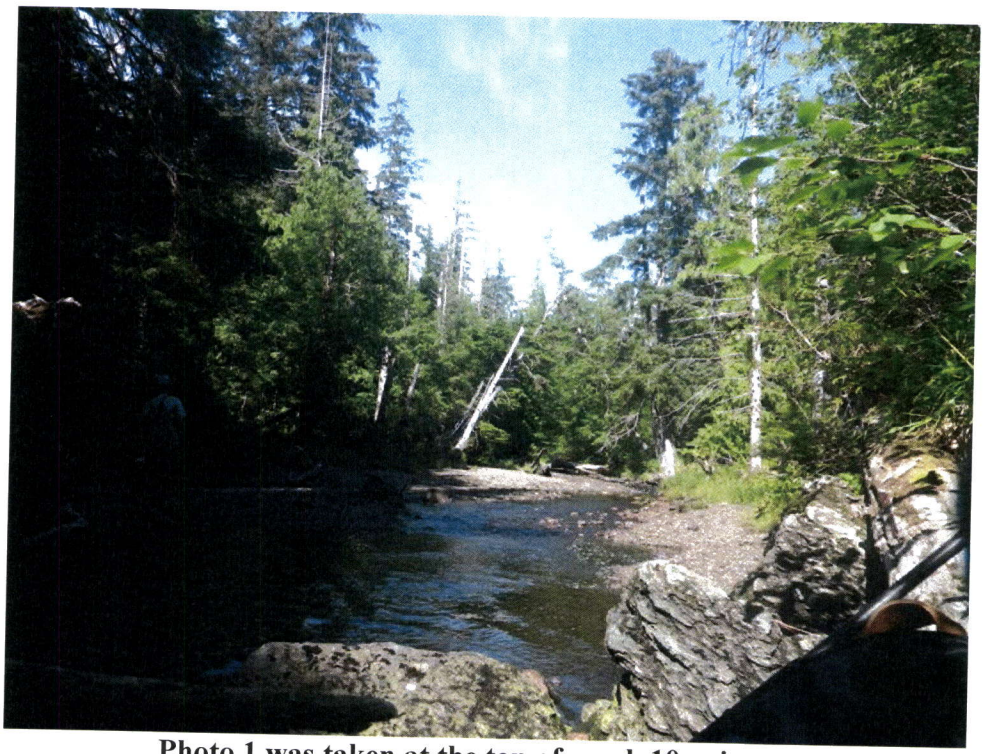
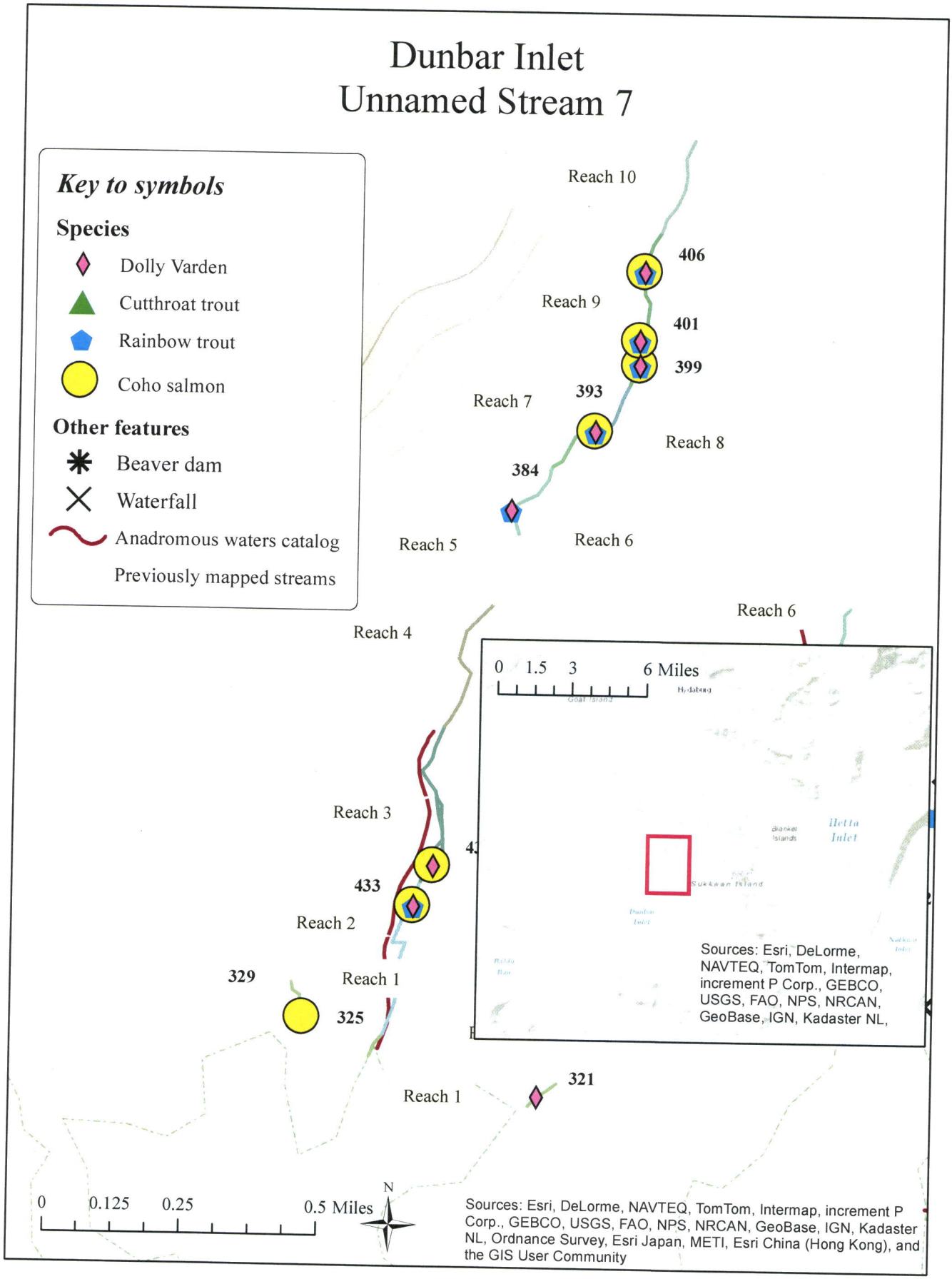


Photo 1 was taken at the top of reach 10 going up.


Dunbar Inlet
Unnamed Stream 7
Key to symbols
Species
Dolly Varden
Cutthroat trout
Rainbow trout
Coho salmon
Other features
Beaver dam
Waterfall
Anadromous waters catalog
Previously mapped streams
Reach 10
406
Reach 9
401
399
393
Reach 7
Reach 8
384
Reach 5
Reach 6
Reach 4
Reach 6
0 1.5 3 6 Miles
Reach 3
433
Reach 2
329
Reach 1
325
321
Reach 1
0 0.125 0.25 0.5 Miles
N
Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL,
Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), and the GIS User Community

ADF&G permit no. SF2014-154

Summary report of fish collection activity.

The area biologist was contacted on: 6/9/14 at 10:35 a.m.

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	Disposition (1)
384	55.10897	-132.82881	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	200	measured and released
384	55.10897	-132.82881	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	203	measured and released
384	55.10897	-132.82881	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	190	measured and released
384	55.10897	-132.82881	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	84	measured and released
384	55.10897	-132.82881	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	80	measured and released
384	55.10897	-132.82881	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	110	measured and released
384	55.10897	-132.82881	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	110	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	82	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	76	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	88	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	91	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	66	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	56	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	68	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	70	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	72	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	46	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	50	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	70	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	77	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	60	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	62	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	48	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	66	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	53	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	116	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	110	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	115	measured and released

393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	140	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	70	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	123	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	100	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	88	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	99	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	98	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	94	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	85	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	89	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	110	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	68	measured and released
393	55.11104	-132.82493	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	76	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	72	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	85	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	83	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	70	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	72	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	61	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	64	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	60	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	52	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	63	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	75	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	57	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	56	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	53	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	158	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	100	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	95	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	100	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	95	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	110	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	115	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	115	measured and released

399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	110	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	111	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	95	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	90	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	93	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	110	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	112	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	84	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	105	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	110	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	91	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile		ID'ed and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile		ID'ed and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	120	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	110	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	100	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	95	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	90	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	84	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	93	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	75	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	87	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	80	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	70	measured and released
399	55.11278	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	78	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	87	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	265	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	230	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	190	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile		ID'ed and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	180	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	200	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	185	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	215	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	200	measured and released

401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	210	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	190	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	195	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	207	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	185	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	190	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	142	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	130	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	102	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	72	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	70	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	80	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	75	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	68	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	74	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	90	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	85	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	85	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	72	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	61	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	72	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	74	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	55	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	70	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	71	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	57	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	70	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	67	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	76	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	68	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	62	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	65	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	83	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	145	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	135	measured and released

401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	100	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	105	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	92	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	125	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	210	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	92	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	95	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	91	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	80	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	120	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	118	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	96	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	125	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	110	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	134	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	86	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	112	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	115	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	92	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	90	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	60	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	87	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	90	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	84	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	97	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	89	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile		ID'ed and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	95	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	100	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	78	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	90	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	61	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	86	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	70	measured and released
401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	72	measured and released

401	55.11342	-132.82290	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	75	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	210	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	62	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile		ID'ed and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	90	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	8	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	75	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	92	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	91	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	78	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	85	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	67	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	88	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	85	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	62	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	54	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	68	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile		ID'ed and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	65	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	50	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	66	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	52	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	72	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	70	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	70	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	62	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	47	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	57	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	45	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	77	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	63	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	50	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	43	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	56	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	49	measured and released

406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	53	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	55	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	77	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	42	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	73	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	66	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	51	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	72	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	62	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	47	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	47	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	104	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	100	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	110	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	90	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	96	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	110	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	96	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	110	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	82	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	103	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	88	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	81	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	85	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	82	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	120	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	92	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	109	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	74	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	89	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	93	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	86	measured and released
406	55.11523	-132.82268	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	90	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	80	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	50	measured and released

432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	67	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	56	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	55	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	65	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	74	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	62	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	77	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	80	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	62	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	74	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	68	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	64	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	53	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	47	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	67	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	57	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	49	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	79	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	58	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	62	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	83	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	76	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	62	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	65	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	83	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	67	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	62	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	67	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	47	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	55	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	60	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	54	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	60	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	62	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	60	measured and released

432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	66	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	64	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	47	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	58	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	82	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	83	measured and released
432	55.09962	-132.83233	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	57	measured and released
433	55.09858	-132.83324	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	82	measured and released
433	55.09858	-132.83324	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	76	measured and released
433	55.09858	-132.83324	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	81	measured and released
433	55.09858	-132.83324	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	rainbow trout	juvenile	120	measured and released
433	55.09858	-132.83324	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	110	measured and released
433	55.09858	-132.83324	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	115	measured and released
433	55.09858	-132.83324	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	122	measured and released
433	55.09858	-132.83324	WGS84	GPS	Dunbar Inlet	8/14/2014	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	77	measured and released

FISH ESCAPEMENT COUNTS

Hydaburg Cooperative Association Stream Habitat Surveys

Fish Habitat permit: SF2014-154 (various stream)

Date of Survey	Watershed	Stream/Tributary	Reach	Survey End GPS Point
8-13				

Index Area	Pink Salmon		Chum Salmon		Coho Salmon		Sockeye Salmon		Other	
	Live	Carcass	Live	Carcass	Live	Carcass	Live	Carcass	Live	Carcass
Mount	50									
Intertidal	30									
In Stream	4389	24	47	12	44					
Riparian										
TOTAL NUMBERS	4589	24	47	12	44					
Upper GPS Point										

Observers	Wind	Weather	Water	Visibility	Bottom	Additional Comments
Tony S						

FISH ESCAPEMENT COUNTS

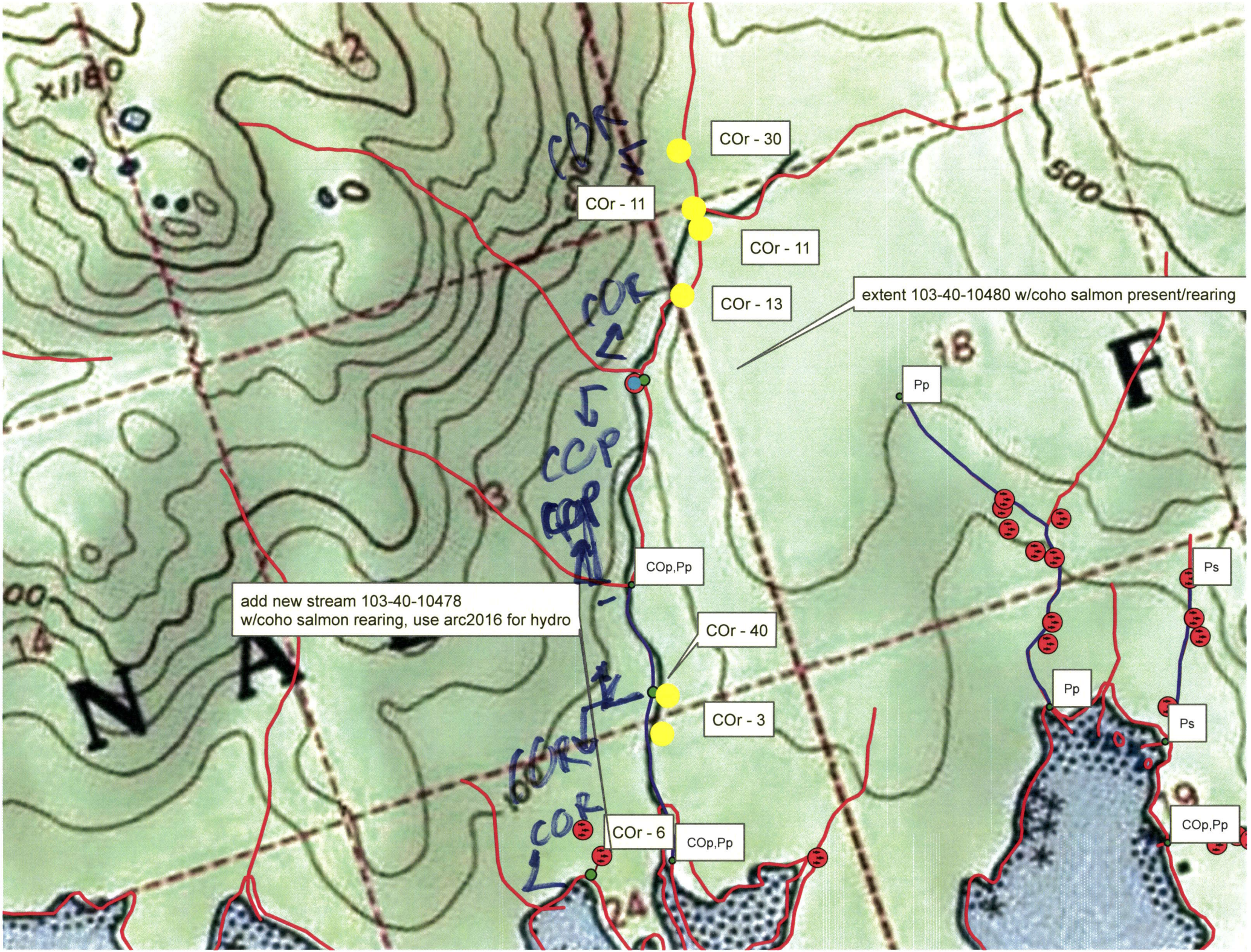
Hydaburg Cooperative Association Stream Habitat Surveys

Fish Habitat permit: SF2014-154 (various stream)

Date of Survey	Watershed	Stream/Tributary	Reach	Survey End GPS Point
9-11-14	DUNSAF			

Index Area	Pink Salmon		Chum Salmon		Coho Salmon		Sockeye Salmon		Other	
	Live	Carcass	Live	Carcass	Live	Carcass	Live	Carcass	Live	Carcass
Mount										
Intertidal	2	349	0	7						
In Stream	4577	3763	11	171	133	0	0	0	0	0
Riparian	0	273	0	36	0	0	0	0	0	0
TOTAL NUMBERS	4579	4385	11	214	133	0	0	0	0	0
Upper GPS Point										

Observers	Wind	Weather	Water	Visibility	Bottom	Additional Comments
Kurt E Tony S Mike E	calm	clear				


COr - 30
COr - 11
COr - 11
COr - 13
extent 103-40-10480 w/coho salmon present/rearing
Pp
COp,Pp
add new stream 103-40-10478
w/coho salmon rearing, use arc2016 for hydro
COr - 40
COr - 3
COr - 6
COp,Pp
Pp
Ps
Pp
Ps
COp,Pp