



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: 103-40-10478

Name of Water body: Dunbar Inlet Unnamed Stream 8  USGS Name  Local Name

Addition  Deletion  Correction  Backup Information

For Office Use

Nomination #	<u>150058</u>	<u>James J. Harbrouck</u>	<u>5/8/2015</u>
Revision Year:	<u>2016</u>	Fisheries Scientist	Date
Revision to:	Atlas _____ Catalog _____	<u>Michelle J. A.</u>	<u>5/8/15</u>
	Both <u>X</u>	Habitat Operations Manager	Date
Revision Code:	<u>A-2</u>	<u>JL</u>	<u>29 Apr 15</u>
		AWC Project Biologist	Date
		<u>TA</u>	<u>5/13/15</u>
		GIS Analyst	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho salmon	July 16, 2014		X	X	<input checked="" type="checkbox"/>
Pink salmon	August 28, 2014	X		X	<input checked="" type="checkbox"/>
Chum salmon	August 28, 2014	X		X	<input checked="" type="checkbox"/>
Dolly Varden	July 16, 2014			X	<input type="checkbox"/>
Rainbow trout	July 16, 2014			X	<input type="checkbox"/>

**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 new stream w/ coho salmon REARING

Name of Observer (please print): Tony Sanderson

Signature: Tony Sanderson

Agency: Hydaburg Cooperative Association

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

ALASKA DEPT. OF  
FISH & GAME  
Date: 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: \_\_\_\_\_ Revision 11/13

Name of Area Biologist (please print): \_\_\_\_\_

### Supplemental information for Dunbar Inlet Stream 8

Two baited minnow traps were soaked for an hour to 2 hours in Stream 8 in Dunbar Inlet on July 16h, 2014. Stream 8 is not listed in the Anadromous Waters Catalog. This current nomination is to nominate the stream reach for the presence and rearing of Coho salmon, and also for spawning and presense of pink and chum salmon. It is also noted Dolly Varden and Rainbow trout were present in traps set in 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 28<sup>th</sup>, and adult pink salmon and chum salmon were observed throughout reach 1 (see map for reach locations; adult foot count data sheets are attached).

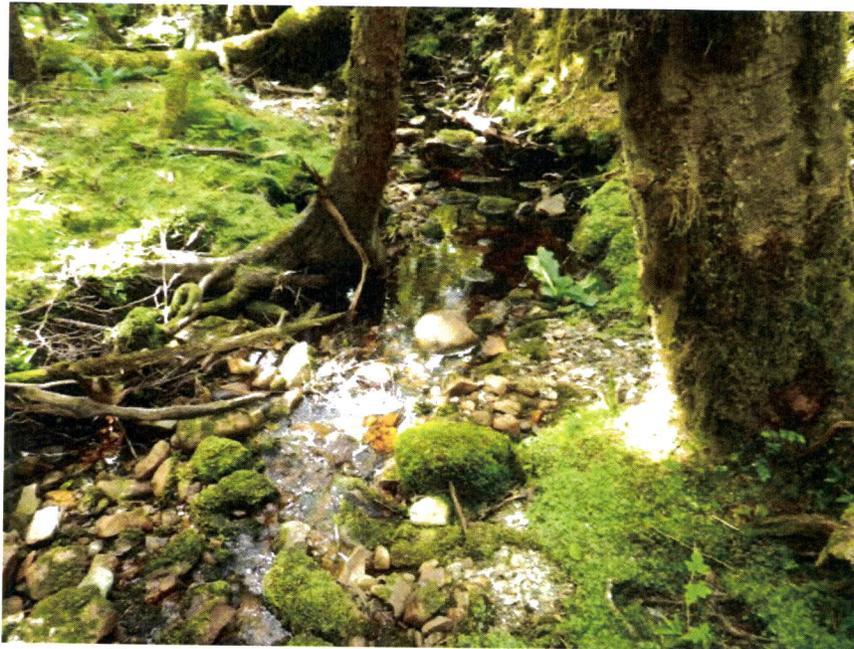
Stream mapping and survey data was collected by the Hydaburg Cooperative Association Stream Survey crew for Stream 8 on July 16, 2014. Data was taken on one reach (reach number in the tables correspond to a master dataset; see attached figure for locations). The stream survey data are in the following table:

	<b>Reach 1</b>
<b>Average stream gradient</b>	5.2
<b>Average bankfull width</b>	2.9
<b>Average channel bed width</b>	2.3
<b>Average incision depth</b>	0.34
<b>Bank composition</b>	Mixed
<b>Dominant substrate</b>	Very coarse gravel
<b>Sub-dominate substrate</b>	Organic and coarse gravel
<b>Large wood count</b>	18
<b>Key wood count</b>	4
<b>Macro-pool count</b>	13

Reach 1 was classified as MMS (moderate gradient mixed control). No fish were caught in trap above Reach 1. Stream 8 was not mapped after reach 1 but fish habitat may be present. The photos below show up and down stream at the end of reach 1.



**Photo 1. Above reach 1 on stream 8 in Dunbar Inlet**



**Photo 2. On top of reach 1 going down on stream 8 in Dunbar Inlet**

# Dunbar Inlet Unnamed Stream 8

## Key to symbols

### Species

-  Dolly Varden
-  Cutthroat trout
-  Rainbow trout
-  Coho salmon

### Other features

-  Beaver dam
-  Waterfall
-  Anadromous waters catalog
-  Previously mapped streams

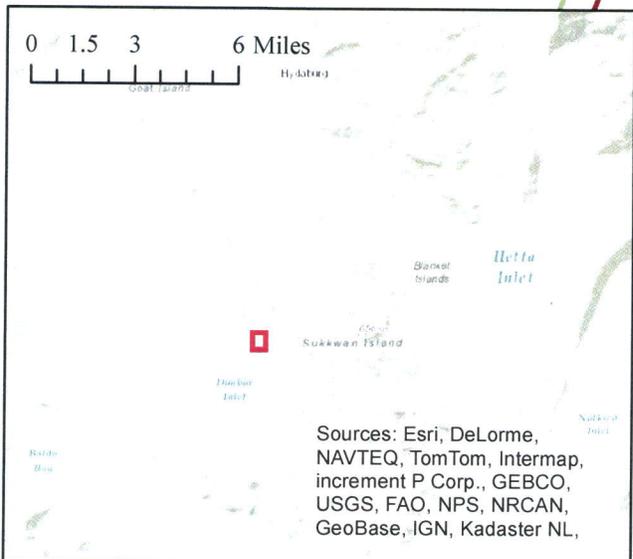
329

Reach 1

325

Reach 2

Reach 1



0 0.0275 0.055 0.11 Miles



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/r anges	Disposition (1)
325	55.09564	-132.83831	WGS84	GPS	Dunbar Inlet	7/16/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	63	measured and released
325	55.09564	-132.83831	WGS84	GPS	Dunbar Inlet	7/16/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	75	measured and released
325	55.09564	-132.83831	WGS84	GPS	Dunbar Inlet	7/16/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	62	measured and released
325	55.09564	-132.83831	WGS84	GPS	Dunbar Inlet	7/16/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	53	measured and released
325	55.09564	-132.83831	WGS84	GPS	Dunbar Inlet	7/16/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	45	measured and released
325	55.09564	-132.83831	WGS84	GPS	Dunbar Inlet	7/16/2014	Tony Sanderson	Minnow Trap	coho salmon	juvenile	49	measured and released
325	55.09564	-132.83831	WGS84	GPS	Dunbar Inlet	7/16/2014	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	60	measured and released
325	55.09564	-132.83831	WGS84	GPS	Dunbar Inlet	7/16/2014	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	71	measured and released
325	55.09564	-132.83831	WGS84	GPS	Dunbar Inlet	7/16/2014	Tony Sanderson	Minnow Trap	sculpin-unspecified	juvenile	68	measured and released

### FISH ESCAPEMENT COUNTS

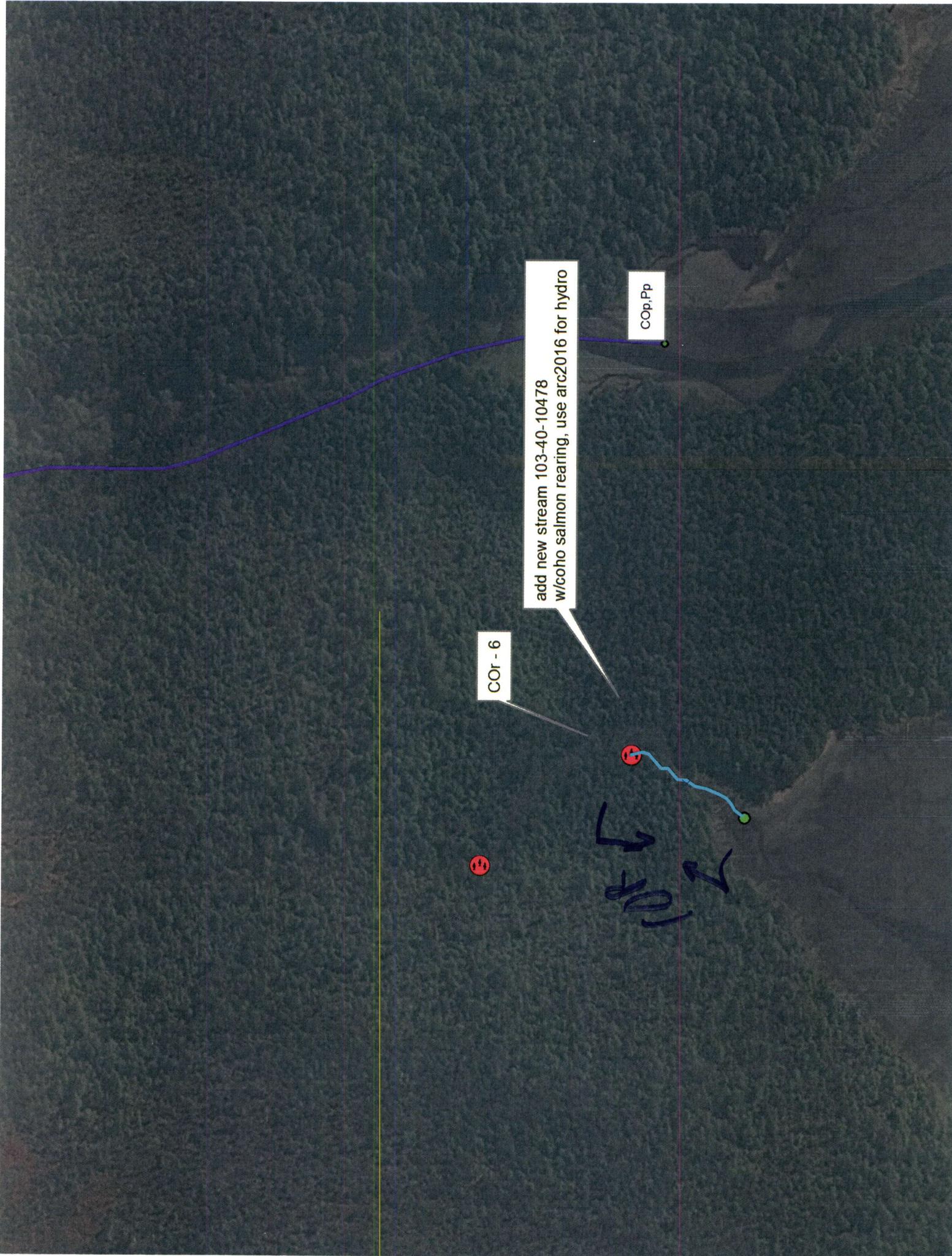
#### Hydaburg Cooperative Association Stream Habitat Surveys

Fish Habitat permit: SF2014-154 (various stream)

<b>Date of Survey</b>	8-28-14	<b>Watershed</b>	Numbur
<b>Stream/Tributary</b>		<b>Reach</b>	Stream B
<b>Survey End GPS Point</b>			

Index Area	Pink Salmon		Chum Salmon		Coho Salmon		Sockeye Salmon		Other	
	Live	Carcass	Live	Carcass	Live	Carcass	Live	Carcass	Live	Carcass
Mount	0	0	0	0	0	0	0	0		
Intertidal	20	0	12	0	6	0	0	0		
In Stream	0	0	0	0	0	0	0	0		
Riparian	0	0	0	0	0	0	0	0		
<b>TOTAL NUMBERS</b>	<b>20</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>		
Upper GPS Point										

<b>Observers</b>	Kurt E Tom S	<b>Wind</b>	SE	<b>Weather</b>	Overcast	<b>Water</b>		<b>Visibility</b>		<b>Bottom</b>		<b>Additional Comments</b>
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add new stream 103-40-10478  
w/coho salmon rearing, use arc2016 for hydro

COOr - 6

COOp.Pp

105  
102