



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 103-40-10520

Name of Water body Dunbar Inlet Unnamed Stream 3  USGS Name  Local Name

Addition  Deletion  Correction  Backup Information

For Office Use

Nomination #	<u>150054</u>	<u>James J Hasbrouck</u>	<u>5/8/2015</u>
Revision Year:	<u>2016</u>	<u>[Signature]</u>	<u>5/8/15</u>
Revision to:	Atlas <input type="checkbox"/> Catalog <input type="checkbox"/>	Habitat Operations Manager	Date
	Both <input checked="" type="checkbox"/>	<u>[Signature]</u>	<u>29 Apr 15</u>
Revision Code:	<u>B-1</u>	AWC Project Biologist	Date
		<u>JA</u>	<u>5/13/15</u>
		GIS Analyst	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho salmon	July 9, 2014		X	X	<input checked="" type="checkbox"/>
Dolly Varden	July 9, 2014			X	<input type="checkbox"/>
Rainbow trout	July 9, 2014			X	<input type="checkbox"/>
					<input type="checkbox"/>
					<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 907-285-3666 or mjkadake13@gmail.com or Ms. Needham at 907-723-4436 or cathy@kaienvironmental.com

Add coho salmon REARING to creek

Name of Observer (please print): Tony Sanderson

Signature: [Signature]

Agency: Hydaburg Cooperative Association

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

Date: 12-8-14  
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: \_\_\_\_\_ Revision 11/13

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

### Supplemental information for Dunbar Inlet Stream 3

Four baited minnow traps were soaked for 1.5 to 3.5 hours in stream 3 in Dunbar Inlet on July 9<sup>th</sup>, 2014. Stream 3 is listed in the Anadromous Waters Catalog (103-40-10520) for the spawning of pink salmon. This current nomination is to include the presence and rearing of coho 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>, 2014 and no adult fish were observed(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 1 on July 9<sup>th</sup>, 2014. Data was taken on three 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:

	<b>Reach 1</b>	<b>Reach 2</b>	<b>Reach 3</b>
<b>Average stream gradient</b>	1.3	1.3	6.1
<b>Average bankfull width</b>	2.8	3.8	2.2
<b>Average channel bed width</b>	3	2.3	2.3
<b>Average incision depth</b>	0.41	0.43	0.45
<b>Bank composition</b>	Organic	Organic	Mixed
<b>Dominant substrate</b>	Very Coarse gravel	Very Coarse gravel	Small cobble
<b>Sub-dominant substrate</b>	Coarse gravel and Small cobble	Coarse gravel and Small cobble	Very coarse gravel and large cobble
<b>Large wood count</b>	2	1	21
<b>Key wood count</b>	1	8	5
<b>Macro-pool count</b>	0	14	25

Reach 1 was classified as ESSg (narrow small substrate estuarine channel), Reach 2 was classified as FPS(narrow low gradient flood plain channel), and Reach 3 was classified as HCLw (low incision, high gradient, wetland phase. No anadromous fish were trapped in Reach 3; however Dolly Varden were found in traps. Given Reach 3 was classified as HCLw with an average stream gradient of 6.1%, it is unlikely that coho salmon rear above Reach 2. The following pictures show the two barriers documented on Stream 1.



Photo 1. The end of reach 3 on stream 3 of Dunbar Inlet.

# Dunbar Inlet Unnamed Stream 3

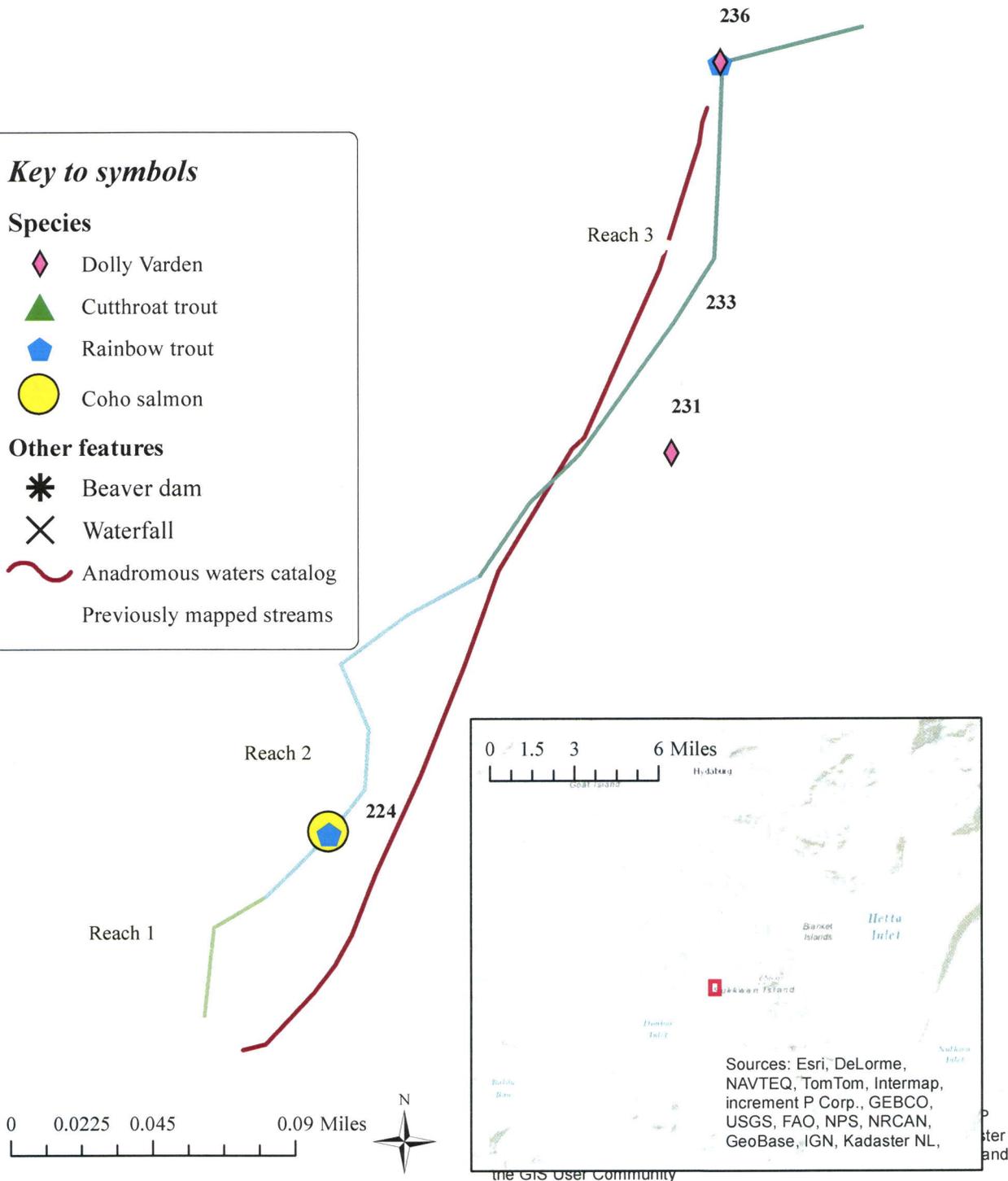
## Key to symbols

### Species

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

### Other features

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



**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 determinatio n method	Name of water body	Date	Observer name (first middle initial, last name)	Fish collection method	Species	Life stage	Length (mm) No estimates/ra nges	Disposition (1)
224	55.09454	-132.80734	WGS84	GPS	Dunbar Inlet	7/9/2014	ony Sanderso Minnow	Trap	coho salmon	juvenile	62	measured and released
224	55.09454	-132.80734	WGS84	GPS	Dunbar Inlet	7/9/2014	ony Sanderso Minnow	Trap	rainbow trout	juvenile	78	measured and released
224	55.09454	-132.80734	WGS84	GPS	Dunbar Inlet	7/9/2014	ony Sanderso Minnow	Trap	coho salmon	juvenile	59	measured and released
224	55.09454	-132.80734	WGS84	GPS	Dunbar Inlet	7/9/2014	ony Sanderso Minnow	Trap	coho salmon	juvenile	57	measured and released
224	55.09454	-132.80734	WGS84	GPS	Dunbar Inlet	7/9/2014	ony Sanderso Minnow	Trap	coho salmon	juvenile	62	measured and released
224	55.09454	-132.80734	WGS84	GPS	Dunbar Inlet	7/9/2014	ony Sanderso Minnow	Trap	sculpin-unspe	juvenile	83	measured and released
231	55.09625	-132.80456	WGS84	GPS	Dunbar Inlet	7/9/2014	ony Sanderso Minnow	Trap	Dolly Varden	juvenile	109	measured and released
233	55.09684	-132.80456	WGS84	GPS	Dunbar Inlet	7/9/2014	ony Sanderso Minnow	Trap	no fish collected or observed			
236a	55.09803	-132.80413	WGS84	GPS	Dunbar Inlet	7/9/2014	ony Sanderso Minnow	Trap	rainbow trout	juvenile	100	measured and released
236b	55.09803	-132.80413	WGS84	GPS	Dunbar Inlet	7/9/2014	ony Sanderso Minnow	Trap	Dolly Varden	juvenile	82	measured and released
236b	55.09803	-132.80413	WGS84	GPS	Dunbar Inlet	7/9/2014	ony Sanderso Minnow	Trap	Dolly Varden	juvenile	63	measured and released

### FISH ESCAPEMENT COUNTS

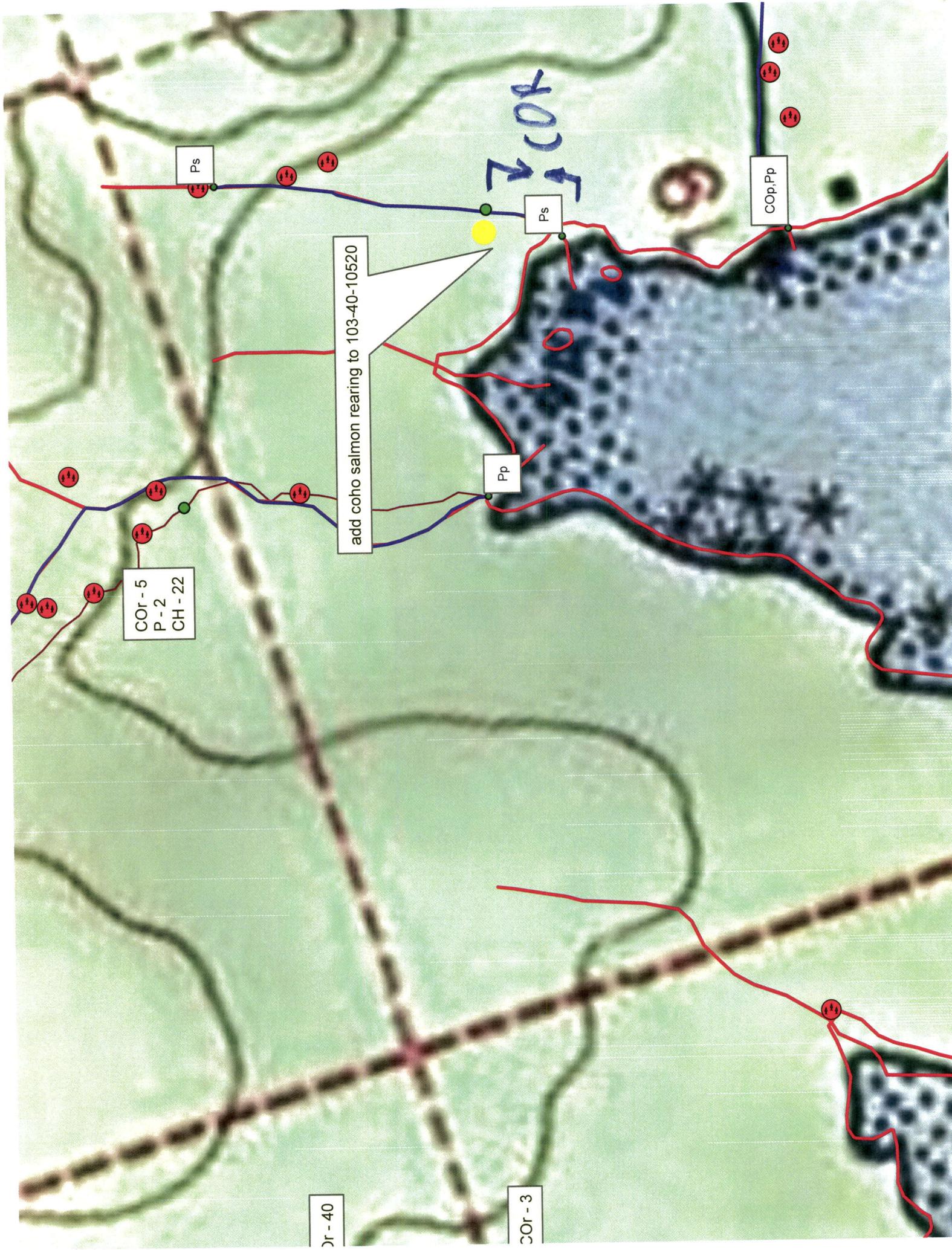
#### Hydaburg Cooperative Association Stream Habitat Surveys

Fish Habitat permit: SF2014-154 (various stream)

<b>Date of Survey</b>	<b>Watershed</b>	<b>Stream/Tributary</b>	<b>Reach</b>	<b>Survey End GPS Point</b>
8-28-14	DUNBAR	Stream 3		

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					
Intertidal	0		0		0					
In Stream	0		0		0					
Riparian	0		0		0					
<b>TOTAL NUMBERS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Upper GPS Point										

Observers	Wind	Weather	Water	Visibility	Bottom	Additional Comments
Ruff E Towns	SE	overcast				



COR

add coho salmon rearing to 103-40-10520

COR-5  
P-2  
CH-22

Ps

Ps

COp,Pp

Pp

Dr-40

COR-3