



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

Nomination Form  
Anadromous Waters Catalog



Region Southwest USGS Quad(s) Afognak A-4

AWC Number of Water Body 253-31-10003

Name of Water body Onion Bay  USGS Name  Local Name

Addition  Deletion  Correction  Backup Information

For Office Use

Nomination #	<u>150468</u>	<u>James J. Hasbrouck</u> Fisheries Scientist	<u>10/26/2015</u> Date
Revision Year:	<u>2016</u>	<u>Michael J. A.</u> Habitat Operations Manager	<u>10/26/15</u> Date
Revision to:	Atlas _____ Catalog _____ Both <u>X</u>	<u>JF</u> AWC Project Biologist	<u>21 Sept 15</u> Date
Revision Code:	<u>A-2d</u>	<u>TA</u> GIS Analyst	<u>10/29/15</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Pink Salmon	9/16/2015	X			<input checked="" type="checkbox"/>
					<input type="checkbox"/>
					<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**  
During a joint ANC and ADF&G sampling effort, we observed pink salmon spawning in an unnamed stream in Onion Bay (IDENT 252) (Figure 1). Please see the September 14-16, 2015 Trip Report.  
Add new creek ≤ 660ft w/ PINK SALMON SPAWNING

Name of Observer (please print): Will Frost, Habitat Biologist  
Signature: [Signature] Date: 9/19/2015  
Agency: ADF&G, Division of Habitat  
Address: 333 Raspberry Road  
Anchorage, AK 99518  
**ALASKA DEPT. OF FISH & GAME**

SEP 18 2015

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): \_\_\_\_\_



Figure 1

0 220 440 880 1,320 1,760  
Meters

ADF&G

# MEMORANDUM

State of Alaska

Department of Fish and Game  
Division of Habitat

TO: Michael Daigneault  
Central Region  
Regional Supervisor

DATE: September 18, 2015

PHONE NO: 267-2813

FROM: Will Frost *WF*  
Habitat Biologist

SUBJECT: AKSSF AWC Survey: Kodiak Island  
September 2015

On September 14 through 16, 2015, I joined Janel Day, Kodiak Island Borough (KIB) on Kodiak Island for the purpose of sampling waters on KIB lands to document the presence of anadromous fish. The information gathered will be used to submit official nominations for inclusion in the Anadromous Waters Catalog and its companion Atlas. Inclusion in the Anadromous Waters Catalog will conserve salmon habitat by providing the 50-foot riparian development setback required under the KIB code. A water body listed in the Anadromous Waters Catalog is also afforded additional protection under State law at AS 16.05.871. The weather conditions were cloudy and cool. The water level in the streams sampled was low because of unseasonably dry conditions.

On the morning of September 14, Ms. Day and I drove to a stream locally referred to as "Landfill Creek" located adjacent the KIB landfill. We used an electrofisher to sample downstream from the landfill about 560 meters to Monashka Bay. We captured two juvenile coho salmon about 250 from the bay (70 and 90 mm fork length (FL)) (Figure 1). We captured 50 Dolly Varden (40-125 mm FL) throughout the reach. The stream contained a large amount of plastic trash that has blown into the creek from the landfill (Figures 2 and 3). The KIB will need to plan for the removal of the trash. The ADF&G will work with the KIB to address this problem. The unnamed stream will be nominated to the Anadromous Waters Catalog.

We walked along the beach at Monashka Bay and located a stream locally referred to as "Leachate Creek." The stream flows from a settling pond located at the landfill. We sampled about 490 meters upstream to a 15-foot high barrier (Figure 4). We captured 5 juvenile coho salmon (75-100 mm FL). We captured 3 Dolly Varden (70-110 mm FL). The unnamed stream will be nominated to the Anadromous Waters Catalog.

We drove to Virginia Creek (Stream No. 259-10-10015-2001) on Monashka Bay. We sampled an unnamed tributary located in the lower reach of Virginia Creek. Juvenile coho salmon were captured 130 meters above Virginia Creek in the unnamed tributary during our August 2015 sampling effort. We walked about 500 meters above the confluence of Virginia Creek and observed about 50 adult pink salmon spawning (Figure 5). The adult pink salmon will be nominated for update to the Anadromous Waters Catalog.

On the morning of September 15, we were met by Lee Neel, Big Timber Lodge in Anton Larson Bay. Mr. Neel transported Ms. Day and I by boat to Onion Bay on Raspberry Island. We were dropped off at Stream No. 253-31-10010. We walked upstream and located a 9-foot wide stream that flowed into Stream No. 253-31-10010. Stream No. 253-31-10010 as depicted in the Anadromous Waters Catalog is about 4-feet wide and carried less stream flow than the 9-foot wide stream. We walked up the 9-foot wide stream and observed about 500 adult pink salmon spawning in the lower reach (Figure 6). Stream No. 253-31-10010 will be assigned to the larger stream channel and the smaller stream channel will be given an additional stream number indicating it as a tributary stream. The stream numbers will be nominated for update to the Anadromous Waters Catalog.

We returned to the boat and drove across Onion Bay to the south side of the bay to an unnamed stream that flows down a steep channel (Figure 7). We walked upstream about 90 meters and observed about 200 adult pink salmon spawning in the lower reach. The unnamed stream will be nominated to the Anadromous Waters Catalog.

On the morning of September 16, Mr. Neel and I returned to Onion Bay and walked up 2,000 meters of the 9-foot wide stream that will be designated Stream No. 253-31-10010 (Figures 8 and 9). We observed about 1,000 adult pink salmon spawning in the unnamed stream. The adult pink salmon will be nominated to the Anadromous Waters Catalog.

The ADF&G is currently planning on returning to Kodiak for a sampling effort in October 2015.

cc: S. Schrof, ADF&G  
N. Svoboda, ADF&G  
D. Tracy, ADF&G  
T. Polum, ADF&G  
A. Ott, ADF&G  
G. O'Doherty, ADF&G  
C. Curtis, ADF&G  
J. Day, KIB  
B. Cassidy, KIB  
B. Brown, KSWCD



Figure 1. Juvenile coho salmon captured in Landfill Creek.



Figure 2. Plastic trash located in Landfill Creek.



Figure 3. Plastic trash located in Landfill Creek.



Figure 4. Mr. Frost at 15-foot high barrier in Leachate Creek.

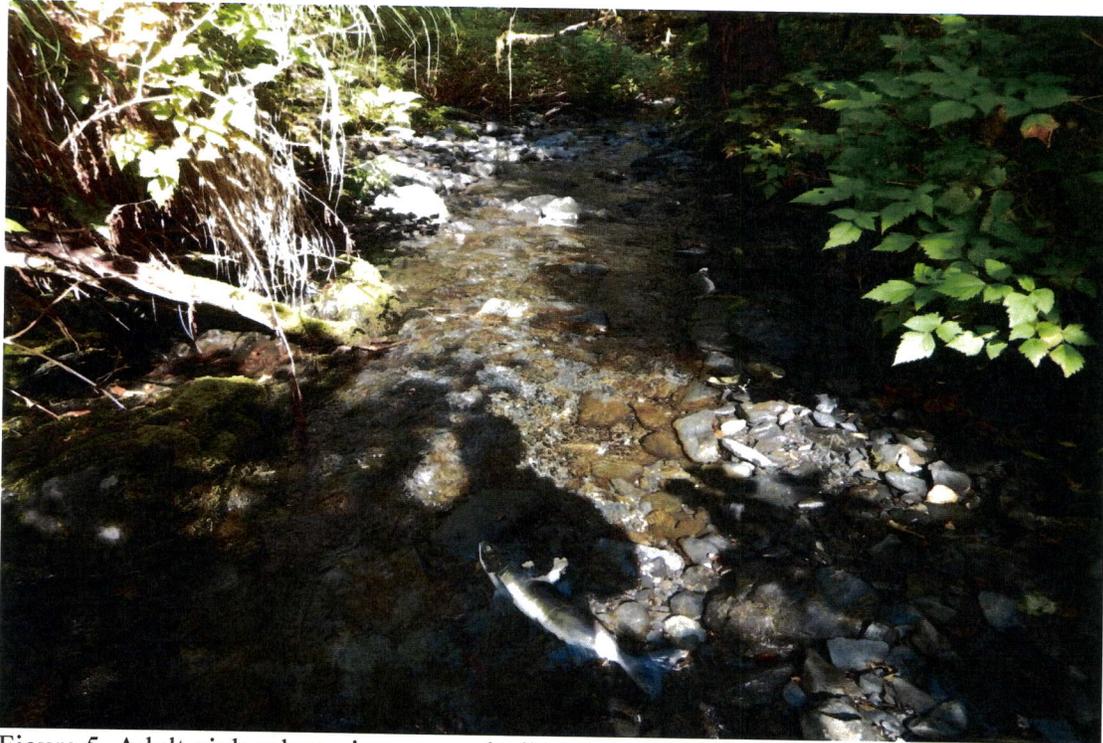


Figure 5. Adult pink salmon in unnamed tributary to Virginia Creek.



Figure 6. Adult pink salmon in Stream No. 253-31-10010.



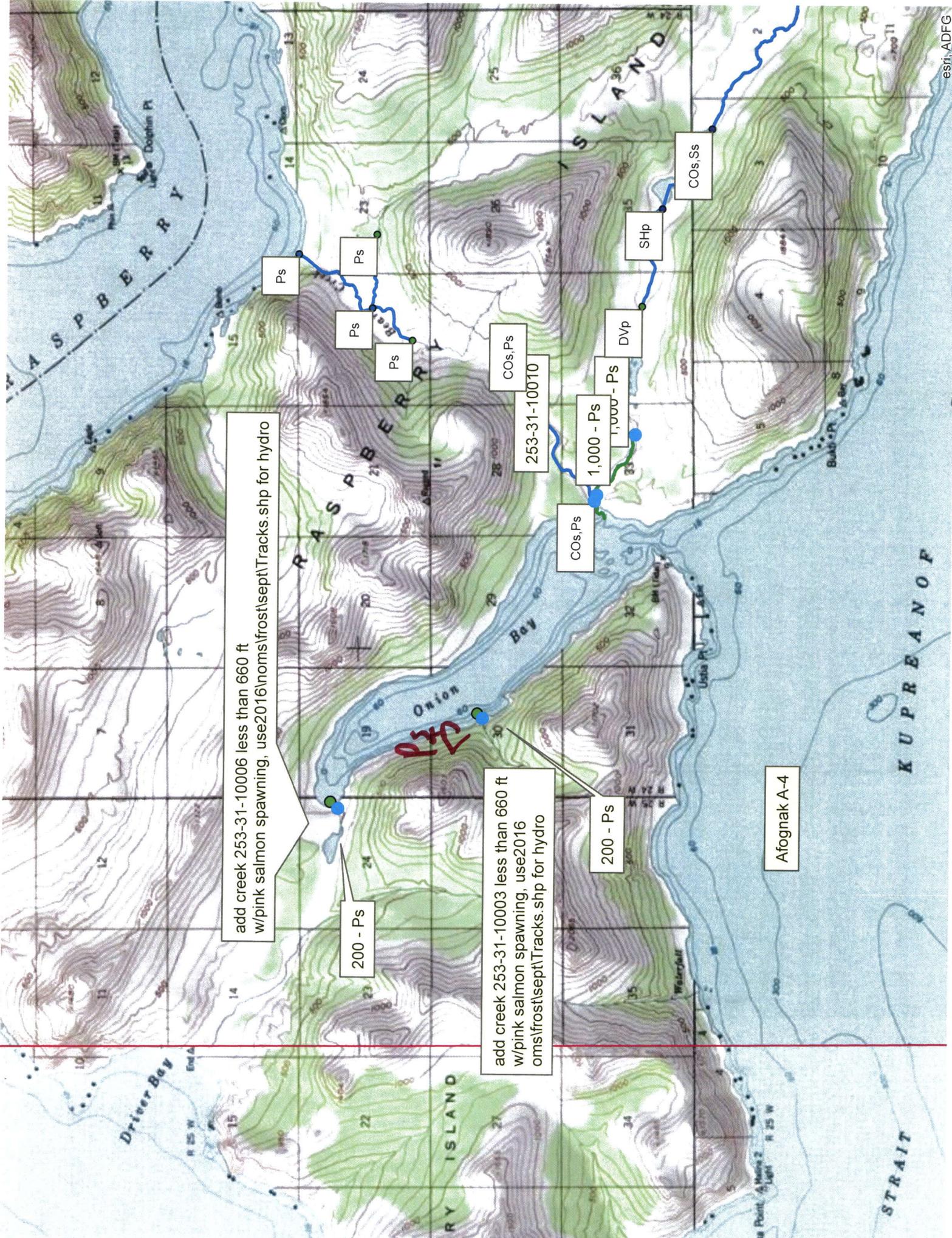
Figure 7. Unnamed stream in Onion Bay.



Figure 8. Adult pink salmon in Stream No. 253-31-10010.



Figure 9. Mr. Neel and Adult pink salmon in Stream No. 253-31-10010.



add creek 253-31-10006 less than 660 ft w/pink salmon spawning, use2016\noms\fst\sept\Tracks.shp for hydro

200 - Ps

add creek 253-31-10003 less than 660 ft w/pink salmon spawning, use2016 oms\fst\sept\Tracks.shp for hydro

200 - Ps

COs,Ps

1,000 - Ps

1,000 - Ps

Dvp

SHp

COs,Ps

Afognak A-4