



State of Alaska  
Department of Fish and Game  
Sportfish Division

Nomination Form  
Anadromous Waters Catalog

map 103

Region SUT

USGS Quad(s) TAYLOR MTNS A-1

Dillingham D1, 2, D-3, C-3

Anadromous Waters Catalog Number of Waterway 325-30-10100-2202-3080-4029

Name of Waterway   USGS Name  Local Name

Addition  Deletion  Correction  Backup Information

For Office Use

Nomination # <u>08-082</u>	<u>[Signature]</u> Fisheries Scientist	<u>10/6/08</u> Date
Revision Year: <u>2009</u>	<u>[Signature]</u> Habitat Operations Manager	<u>10/6/08</u> Date
Revision to: Atlas _____ Catalog _____ Both <u>X</u>	<u>[Signature]</u> AWC Project Biologist	<u>4/22/08</u> Date
Revision Code: <u>B-3, B1</u>	<u>[Signature]</u> Cartographer	<u>11/27/08</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
					<input 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:** Remove Humpbacked whitefish from 325-30-10100-2202-3080-4029, 325-30-10100-2202-3080, 325-30-10100-2202, & 325-30-10100 as whitefish anadromy cannot be confirmed at this time, retain Wp in 325-30-10100

D11 D-2 C-8  
B-4, A-5  
NAK D-6

Name of Observer (please print): J. Johnson  
Signature: [Signature]  
Agency: \_\_\_\_\_  
Address: \_\_\_\_\_

Date: 1/23/08

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



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

Fish Survey  
Nomination Form  
Fish Distribution Database

X

*Billingsham D1, D2, D3, F3*

Region: Southwest

USGS Quad: Taylor Mts A-1

Fish Distribution Database Number of Waterway: 325-30-10100-2202-3080-4029

Status:  Cataloged

Name of Waterway: Swan River

USGS Name

Local Name

Addition

Deletion

Correction

Backup Information

For Office Use

Nomination # <u>06-720</u>	<i>[Signature]</i> ADFG Fisheries Scientist	<u>11/20/06</u> Date
Revision Year: <u>2007</u>	<i>[Signature]</i> ADNR OHMF Operations Mgr.	<u>11/20/06</u> Date
Revision to: Atlas _____ Catalog _____ Both <u>X</u>	<i>[Signature]</i> FDD Project Biologist	<u>11/08/06</u> Date
Revision Code: <u>B-1</u>	<i>[Signature]</i> Cartographer	<u>12/1/06</u> Date

Site Information Station: FSN0604A02 Date Observed: 8/5/2006 Legal Desc.: Sec 7, T 2 S., R. 40 W., S.M. Latitude: Longitude: Datum:

Stream Depth (m) Width (m) Water Temp. (C): 12.19 Upstream 60.01285 -156.21463 WGS84

Parameters: OHW Stream Stage: Medium Downstream 60.00856 -156.20987 WGS84

Wetted 34.0 Dominant Substrate: Organic

Rosgen Channel Type: C5 Low gradient, meandering, point-bar, riffle/pool, alluvial channels with broad, well-defined floodplains.

Station Comments: Slow flowing wide channel both sides have thick grass with a grassy bottom. See photos. Depth is over 2 meters.

Observation Information

Life History: Facultative anadromous population, unknown individual life history

Species/Lifestage: humpback whitefish adult Samp. ID (# Fish): A (1) B (4)

Life History: Resident

Species/Lifestage: longnose sucker adult Samp. ID (# Fish): A (4)

Species/Lifestage: longnose sucker juvenile/adult Samp. ID (# Fish): A (1)

Key to Samp. ID

Samp. ID: A Method: Boat-Mounted Electrofisher Electrofisher Time(s): 425 Efficiency: Poor

Samp. ID: B Method: Visual Observation, Boat

*Add Humpback whitefish presence to  
325-30-10100-2202-3080-4029 and downstream including  
325-30-10100-2202-3080 325-30-10100-2202*

Additional Comments: This nomination supports adding to the FDD for Swan River whitefish (humpback). Anadromous whitefish are currently documented in the Nushagak River drainage downstream of this location.

Name of Observer: Ryan Snow

Phone: (907) 267-2876

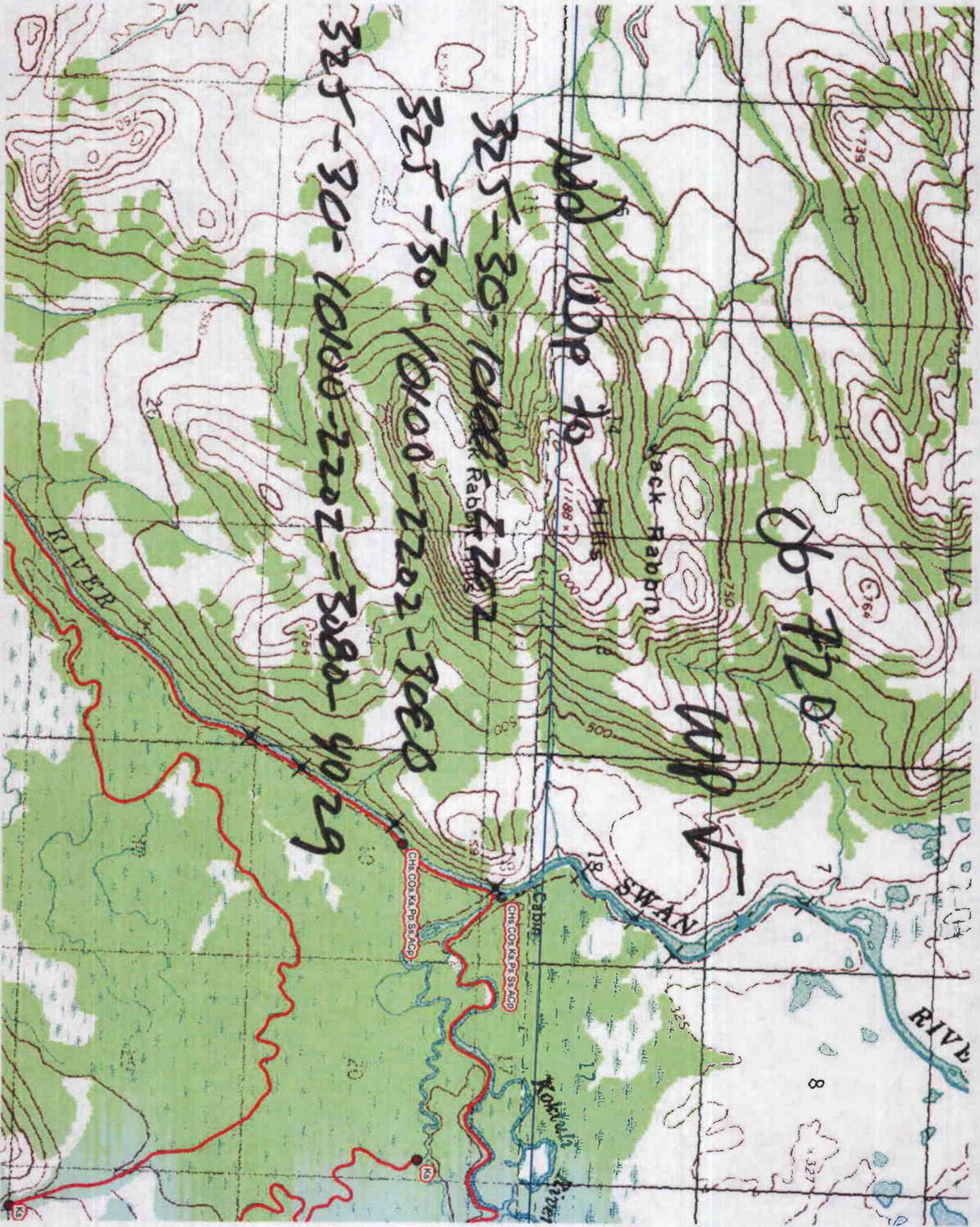
Date Printed: 10/23/2006

Signature: *[Signature]*

Address: Alaska Department of Fish and Game, Division of Sport Fish  
333 Raspberry Road  
Anchorage, AK 99518

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 Fish Distribution Database.

Signature of Area Biologist: \_\_\_\_\_ Date: \_\_\_\_\_



86-720

WRP V

Add WRP to

Jack Rabbit Hills

325-30-10100-2202

325-30-10100-2202-3000

325-30-10100-2202-3000-4029

CHS COI Ks Pk Ss ACP

CHS COI Ks Pk Ss ACP

K

K



**Johnson, J D (DFG)**

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**From:** Buckwalter, Joseph D (DFG)  
**Sent:** Tuesday, April 22, 2008 9:34 AM  
**To:** Mark\_Lisac@fws.gov; Tim\_Sundlov@blm.gov; Dan\_Young (Dan\_Young@nps.gov); Maclean, Scott H (DNR)  
**Cc:** Buckwalter, Joseph D (DFG); Johnson, J D (DFG); Randy Brown; Rich, Cecil F (DFG)  
**Subject:** Nushagak humpback whitefish Sr:Ca  
**Attachments:** Koggiling Creek WHB SrCa.doc

Howdy fellows,

The attached report shows Sr:Ca ratio profiles sampled from otoliths of 6 adult humpback whitefish I collected at Koggiling Creek in the Nushagak River drainage in Aug-2006, and compares them to other known amphidromous and non-amphidromous populations. These results suggest that these 6 fish had not been to salt water. Mark had some similar results recently with large adult Dolly Varden collected in the Holitna drainage.

These results reinforce that we should not assume that any large shiny fish are anadromous/amphidromous based on appearance alone, even when collected in a coastal drainage such as the Nushagak. The analysis was done by Randy Brown.

Joe Buckwalter  
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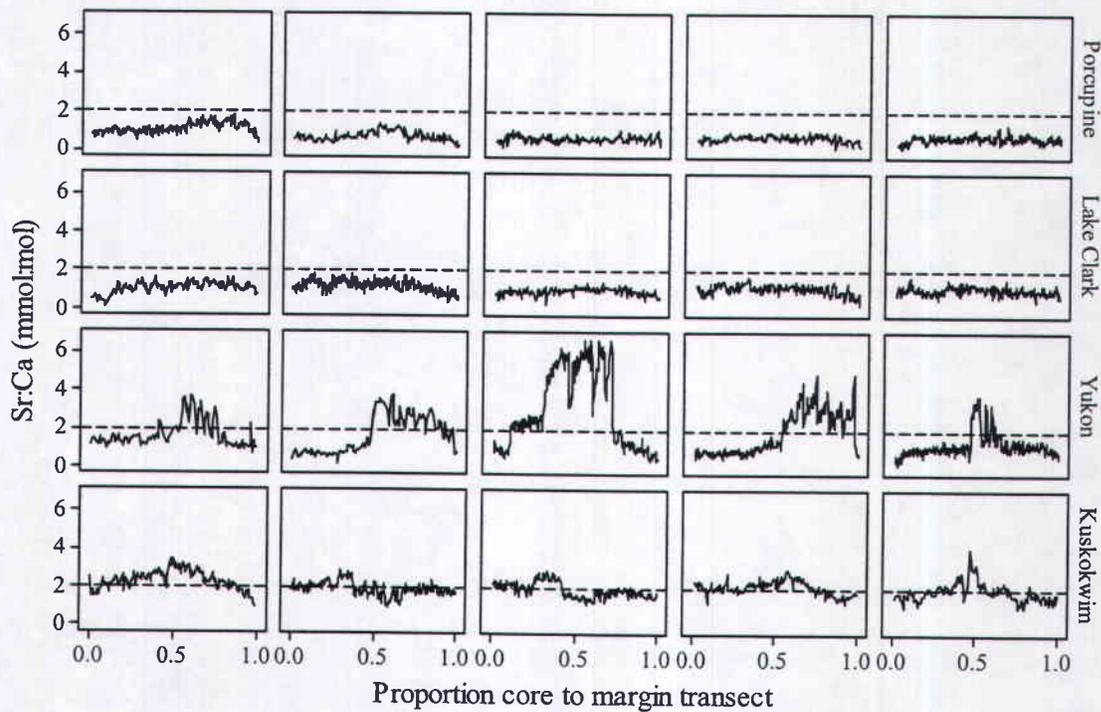


Figure 1. Otolith Sr:Ca plots along core to margin transects from humpback whitefish taken from the Porcupine River (non-anadromous), Lake Clark (non-anadromous), the Yukon River (anadromous), and the Kuskokwim River (anadromous). Note the reference line at Sr:Ca = 2 mmol:mol.

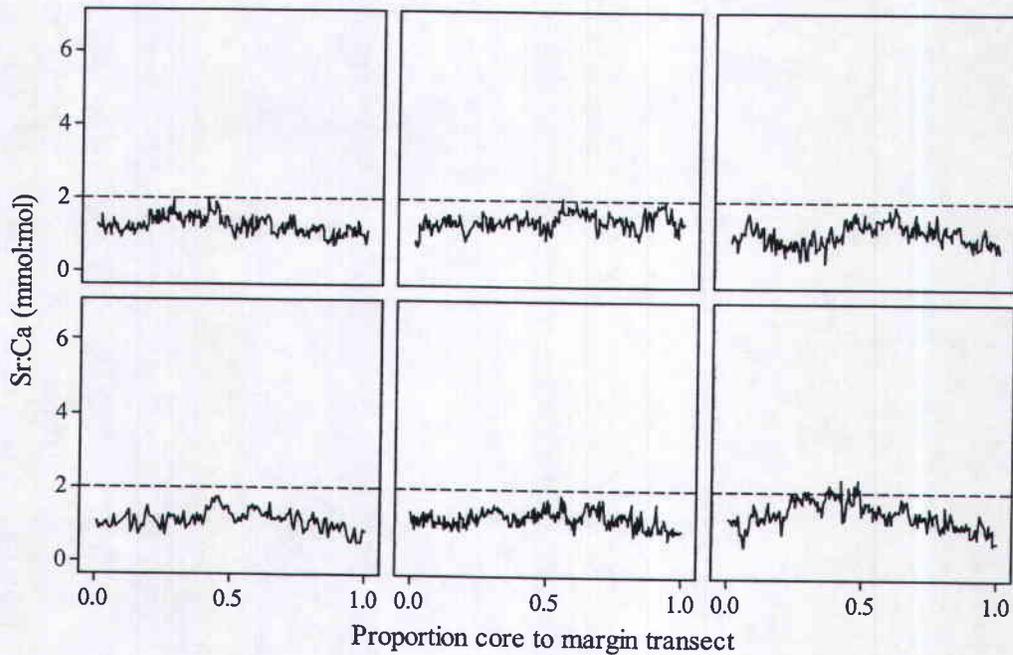


Figure 2. Otolith Sr:Ca plots from Nushagak River humpback whitefish suggesting that they are non-anadromous.

