



State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog

WP/DB

Region SUT USGS Quad(s) DILLINGHAM A-5
 Anadromous Waters Catalog Number of Waterway 325-30-10100-2110
 Name of Waterway _____ USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>08-083</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 <input checked="" type="checkbox"/>	<u>[Signature]</u> AWC Project Biologist	<u>4/28/08</u> Date
Revision Code: <u>B-3, D2</u>	<u>[Signature]</u> Cartographer	<u>11/28/08</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 and delete stream 325-30-10100-2110 as whitefish anadromy cannot be confirmed at this time, retain Wp in 325-30-10100

Nushagak D-2, D-1 NAKAEK D-6
Dillingham A-6, A-7 B-4, B-5, C-4, A-5, C-3

Name of Observer (please print): _____
 Signature: _____ Date: 1/23/08
 Agency: _____
 Address: _____

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): _____

Johnson, J D (DFG)

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
Habitat Biologist
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Division of Sport Fish
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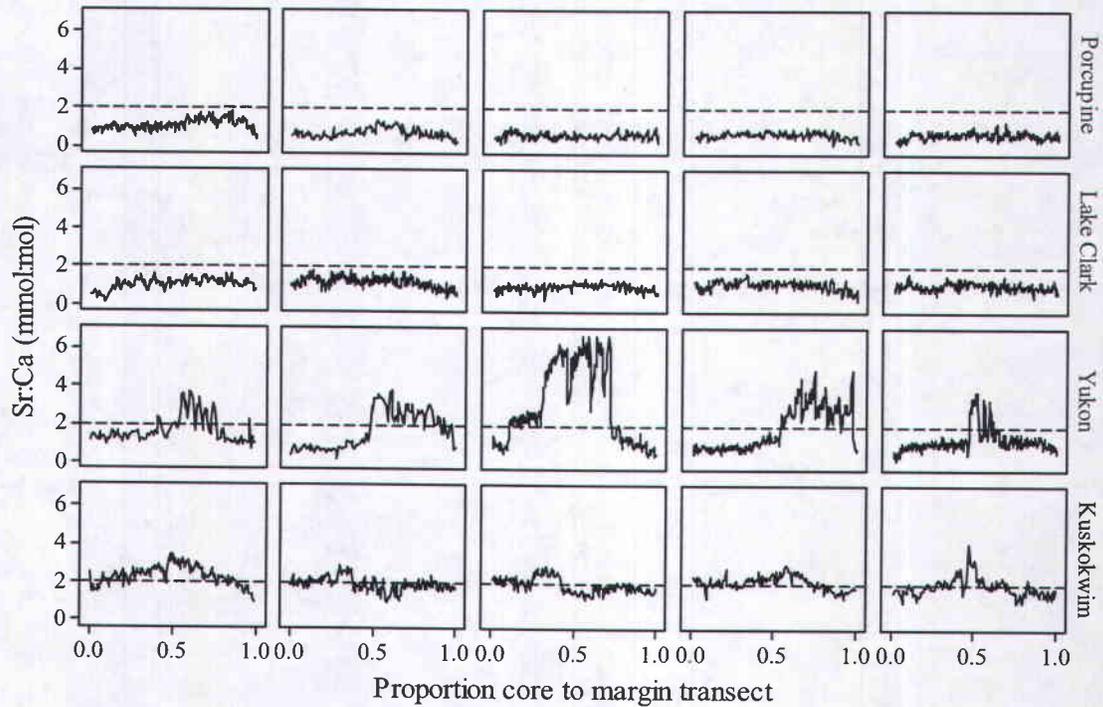


Figure 1. Otolith Sr:Ca plots along core to margin transects from humpback whitefish taken from the Porcupine River (non-anadromous), Lake Clark (non-anadromous), the Yukon River (anadromous), and the Kuskokwim River (anadromous). Note the reference line at Sr:Ca = 2 mmol:mol.

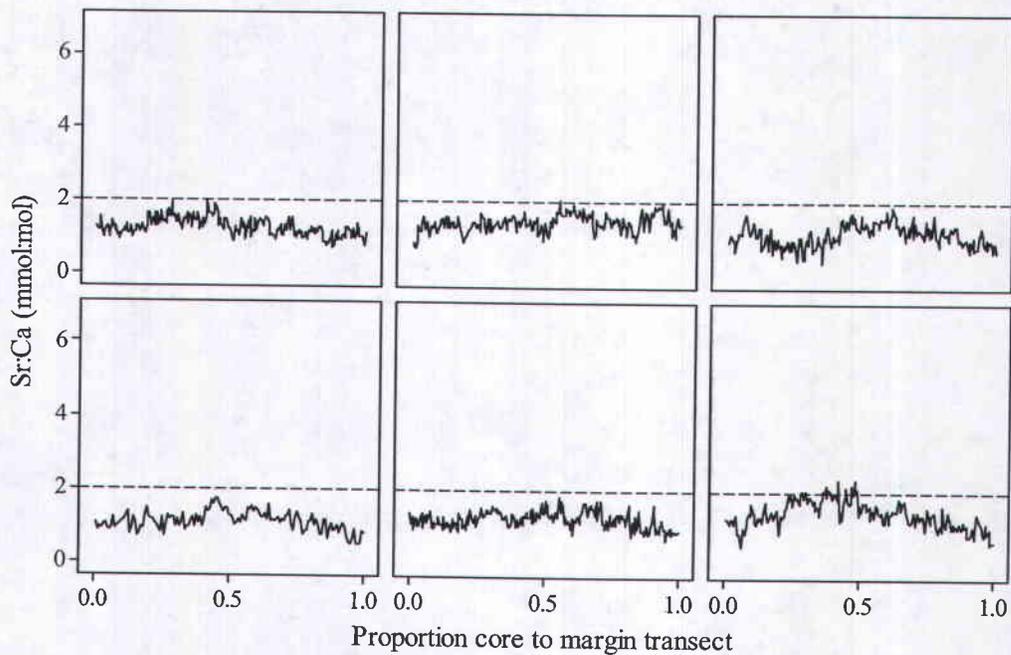


Figure 2. Otolith Sr:Ca plots from Nushagak River humpback whitefish suggesting that they are non-anadromous.



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

Fish Survey
Nomination Form
Fish Distribution Database

X

Region: Southwest USGS Quad: Dillingham A-5
 Fish Distribution Database Number of Waterway: NA 325-30-10100-2110 Status: N/A
 Name of Waterway: Koggiling Creek USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>06-923</u>	<u>[Signature]</u> ADFG Fisheries Scientist	<u>11/20/06</u> Date
Revision Year: <u>2007</u>	<u>[Signature]</u> ADNR OHMP Operations Mgr.	<u>11/20/06</u> Date
Revision to: Atlas _____ Catalog _____ Both <u>X</u>	<u>[Signature]</u> FDD Project Biologist	<u>11/13/06</u> Date
Revision Code: <u>A-2</u>	<u>[Signature]</u> Cartographer	<u>12/9/06</u> Date

Site Information Station: FSN0607C08 Date Observed: 8/8/2006 Legal Desc.: Sec 24, T. 11 S., R. 50 W., S.M. Latitude: Longitude: Datum:
 Stream Depth (m) Width (m) Water Temp. (C): Upstream 59.20171 -157.62283 WGS84
 Parameters: OHW Stream Stage: Medium Downstream 59.20255 -157.62867 WGS84
 Wetted Dominant Substrate:

Rosgen Channel Type: E5 Low gradient, meandering riffle/pool stream with low width/depth ratio and little deposition. Very efficient and stable. High meander width ratio.

Station Comments: See station 07C07 for aquatic and riparian habitat values.

Observation Information

Life History: Facultative anadromous population, unknown individual life history
 Species/Lifestage: humpback whitefish adult Samp. ID (# Fish): A (1)

Life History: Resident
 Species/Lifestage: round whitefish juvenile/adult Samp. ID (# Fish): A (1)

Key to Samp. ID

Samp. ID: A Method: Boat-Mounted Electrofisher Electrofisher Time(s): 215 Efficiency: Poor
 Comments: AC power.

Add new stream 325-30-10100-2110 w/ whitefish present

Additional Comments: This nomination supports adding to the FDD whitefish (humpback) upstream in Koggiling Creek to this location. Whitefish are currently documented in the Nushagak River and are typically anadromous, particularly in coastal areas.

Name of Observer: Joe Buckwalter Phone: (907) 267-2345 Date Printed: 10/25/2006
 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: _____



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

Fish Survey
Nomination Form
Fish Distribution Database

Continuation of Station: FSN0607C08 Page: 2

FSN0607C019.jpg



FSN0607C020.jpg



STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

Division of Sport Fish

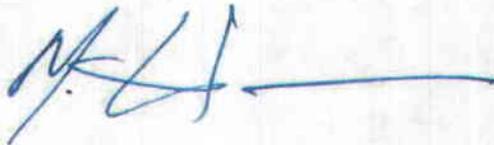
FRANK MURKOWSKI, GOVERNOR

333 Raspberry Road
Anchorage, AK 99518-1599
PHONE: (907) 267-2292
FAX: (907) 267-2464
EMAIL: mike_wiedmer@fishgame.state.ak.us

MEMORANDUM

TO: J. Johnson
Habitat Biologist

FROM: Michael Wiedmer
Habitat Biologist
Region V



DATE: October 25, 2006

SUBJECT: 2006 Koggiling Creek nominations

Attached are Fish Distribution Database/Anadromous Waters Catalog (FDD/AWC) nominations for Koggiling Creek (not cataloged). In 2006, our freshwater fish inventory (Wiedmer 2006) of the Nushagak/Mulchatna drainage yielded 9 fish sampling efforts on Koggiling Creek.

Collectively, the 9 Koggiling Creek observations support adding to the FDD/AWC humpback whitefish (observed at 2 of 9 sampled locations, Figure 1) upstream to Station FSN0607C08. Eight previous sampling efforts (ADF&G 2006, Wiedmer 2003, 2005) further upstream in Koggiling Creek did not produce observations of anadromous fish.

These 9 observations are bundled into 2 packages, which represent sets of observations from 2 contiguous reaches of Koggiling Creek. These packages are ordered from downstream to upstream.

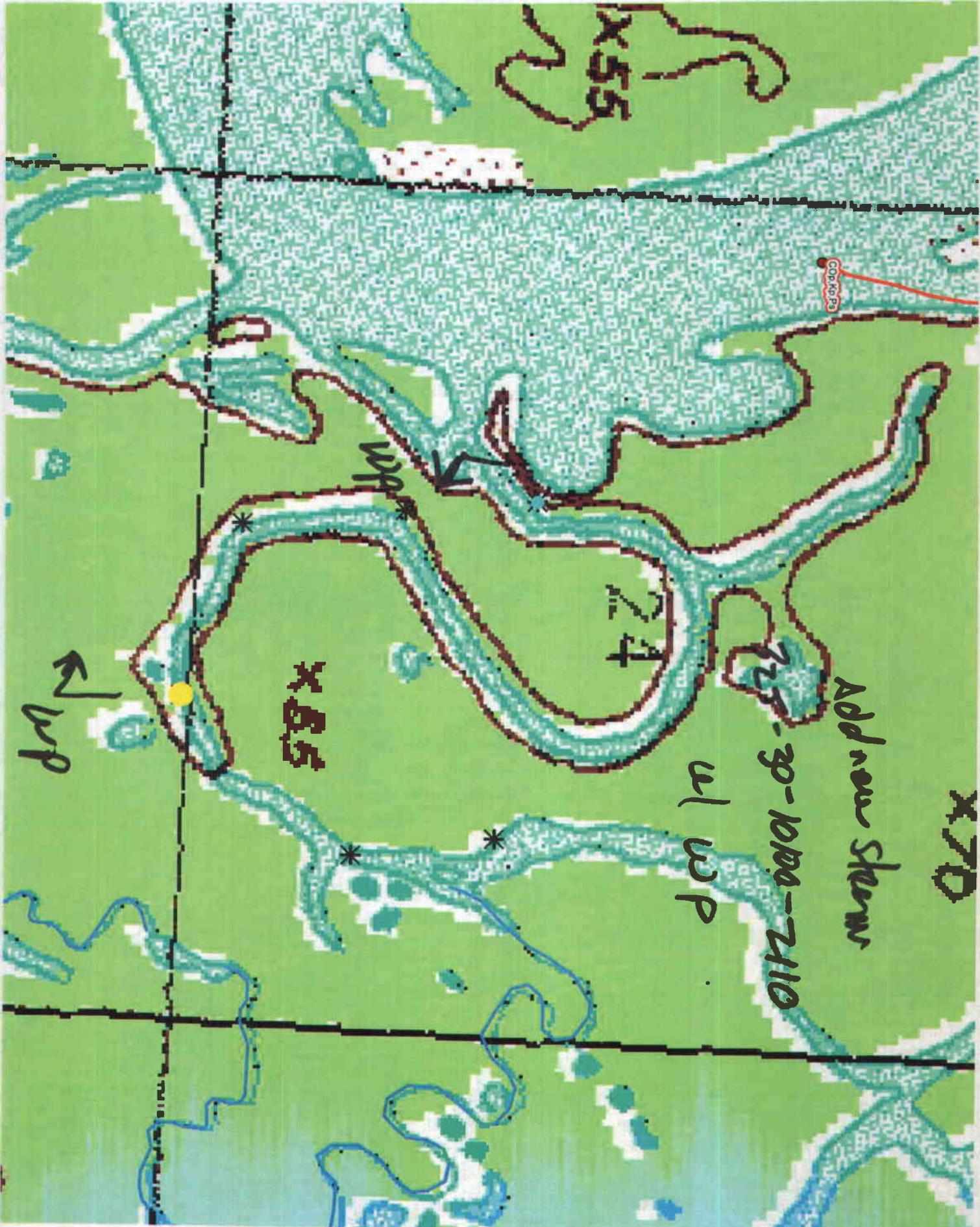
References Cited.

ADF&G (Alaska Department of Fish and Game). 2005. Alaska Freshwater Fish Inventory. Alaska Department of Fish and Game, Division of Sport Fish, Anchorage. <http://www.sf.adfg.state.ak.us/SARR/Surveys/index.cfm>.

Wiedmer, M. 2003. Synoptic inventory of anadromous fish distribution in Southcentral Alaska freshwaters: FY 2004 Operational Plan. Alaska Department of Fish and Game, Division of Sport Fish, Anchorage.

Wiedmer, M. 2005. Inventory and modeling of fish distribution in Nushagak—Mulchatna drainage wadeable streams: FY 2006 Operational Plan. Alaska Department of Fish and Game, Division of Sport Fish, Anchorage.

Wiedmer, M. 2006. Inventory and modeling of fish distribution in Nushagak—Mulchatna drainage streams: FY 2007 Operational Plan. Alaska Department of Fish and Game, Division of Sport Fish, Anchorage.



X55

000 40 20

Wp

24

X85

25

Add new shows

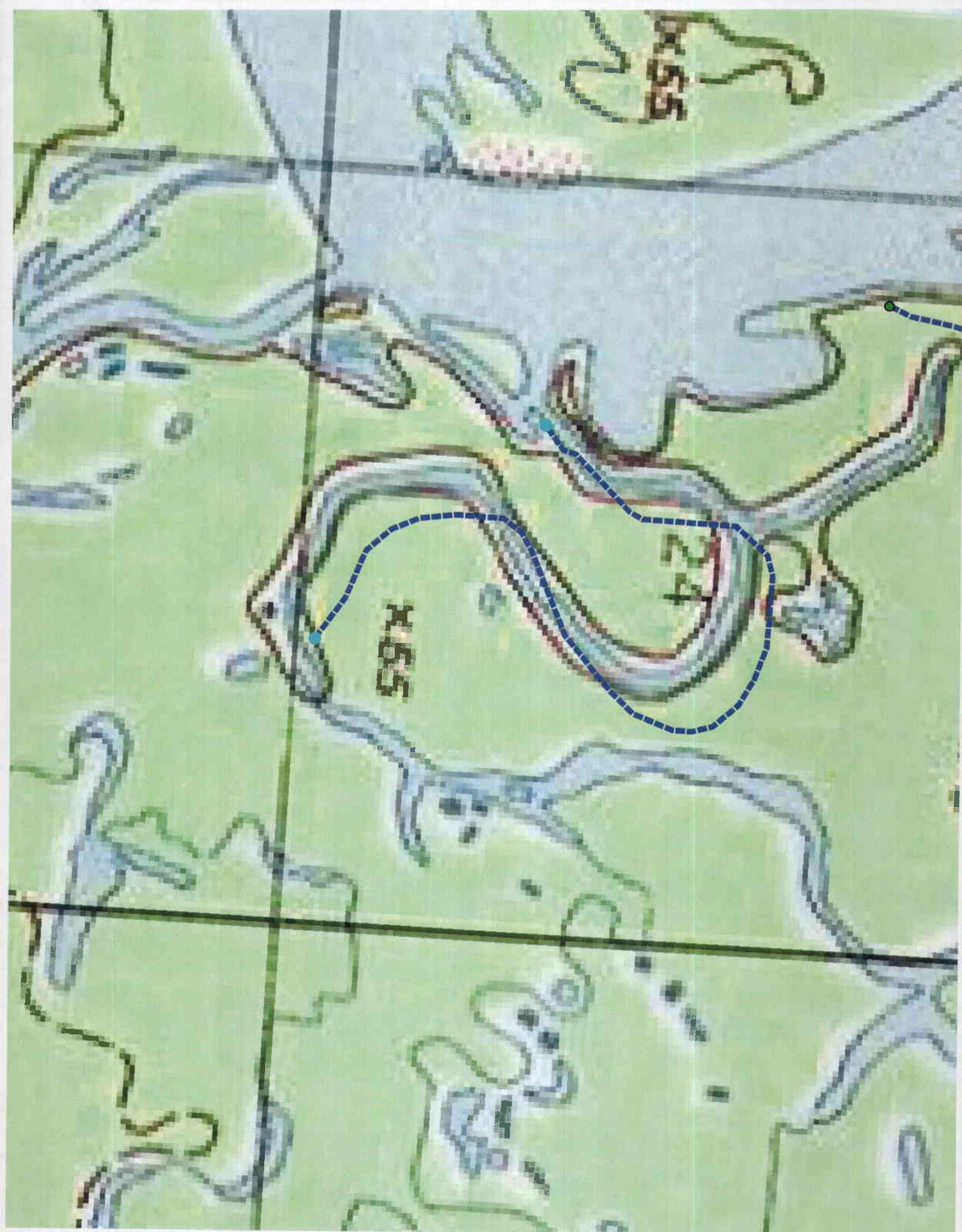
Wp

012-1000-2110

X70

Wp





N
4

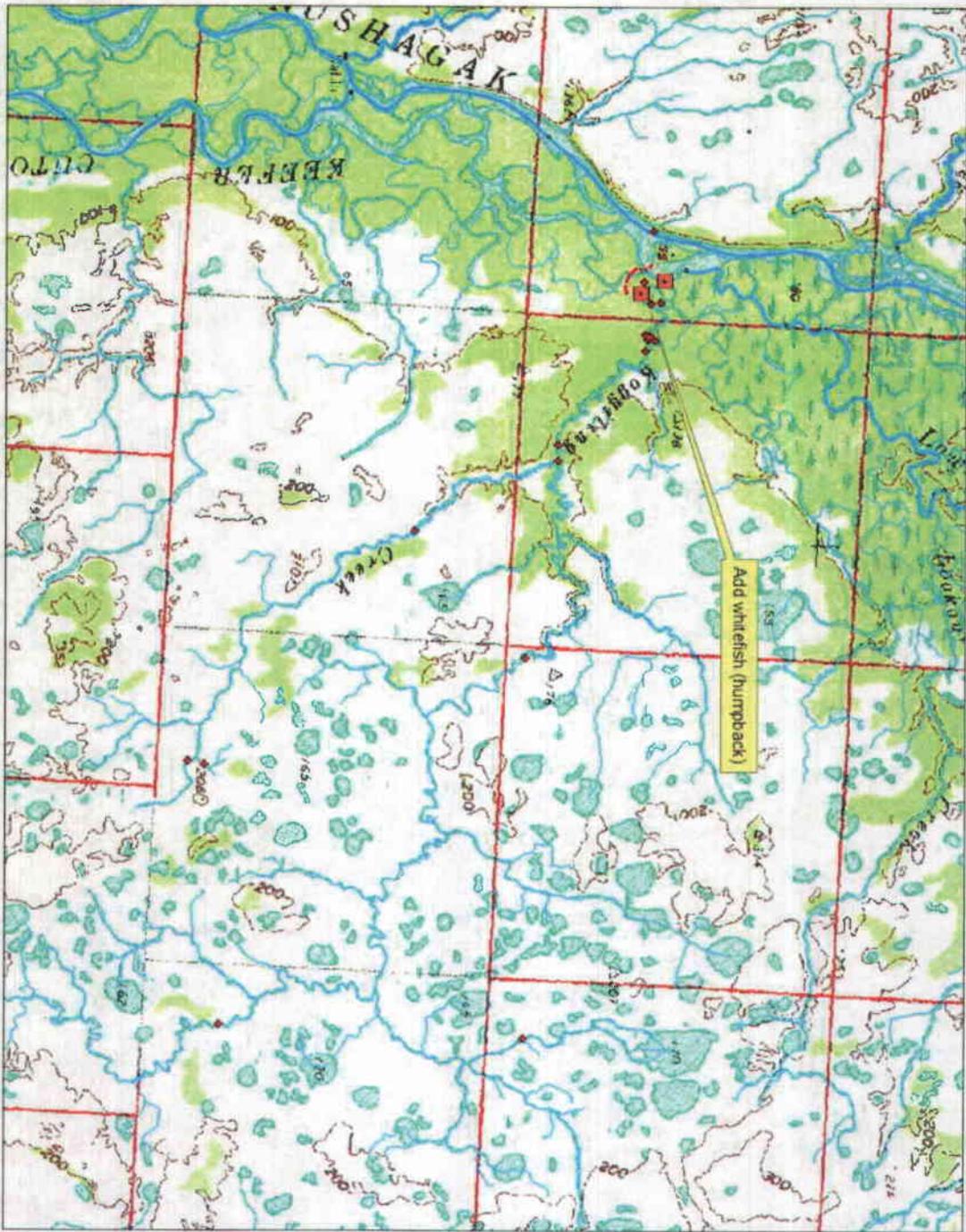


Figure 1.-Locations of Koggingling Creek whitefish observations (see attached nominations for station coordinates).