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

Fish Survey
Nomination Form
Fish Distribution Database

Region: Southwest

USGS Quad: Dillingham A-6 A7

Fish Distribution Database Number of Waterway: 325-30-10100-2035-3015

Status: Cataloged

Name of Waterway: Little Muklung River

☑ **USGS Name** ☐ **Local Name**

☑ **Addition** ☐ **Deletion** ☐ **Correction** ☐ **Backup Information**

For Office Use

Nomination # 06-494

Revision Year: 2007

Revision to: Atlas _____ Catalog _____ Both _____

Revision Code: B-1

ADFG Fisheries Scientist	11/20/06 Date
ADNR OHMP Operations Mgr.	11/20/06 Date
FDD Project Biologist	11/07/06 Date
Cartographer	12/5/06 Date

Site Information

Station: FSN0611C03 **Date Observed:** 8/11/2006 **Legal Desc.:** Sec 29, T. 12 S., R. 53 W., S.M.

	Latitude:	Longitude:	Datum:
Upstream	59.10404	-158.23397	WGS84
Downstream	59.10437	-158.23726	WGS84

Stream Parameters: Depth (m) Width (m) **Water Temp. (C):** OHW **Stream Stage:** Medium 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 11C01 for aquatic and riparian habitat values.

Observation Information

Life History: Obligate anadromous population

Species\Lifestage: pink salmon adult **Samp. ID (# Fish):** B (10)

Species\Lifestage: sockeye salmon juvenile **Samp. ID (# Fish):** A (3)

Key to Samp. ID

Samp. ID: A **Method:** Boat-Mounted Electrofisher **Electrofisher Time(s):** 217 **Efficiency:** Poor

Samp. ID: B **Method:** Visual Observation, Boat

Add Sockeye salmon rearing to 325-30-10100-2035-3015
add sockeye salmon presence to remainder of -3015
and -2035

Additional Comments: This nomination supports adding to the FDD adult pink salmon and rearing sockeye salmon. It is not known if the Little Muklung River is the natal stream for the sockeye salmon or if they originate from elsewhere in the Nushagak/Mulchatna or Wood River.

Name of Observer: Joe Buckwalter Phone: (907) 267-2345 Date Printed: 10/24/2006

Signature: Joe Buckwalter

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:** _____

Printed from: I:\HR_Projs\Fish_Surveys\FSN06\FishSurv_PG.MDB **Location:** Anchorage

FSN0611C005.jpg

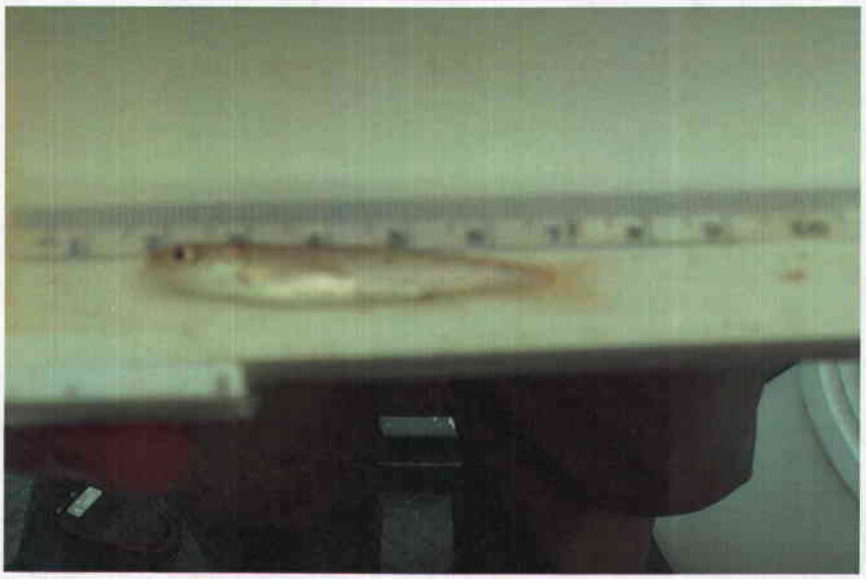
FSN0611C006.jpg

FSN0611C008.jpg

FSN0611C009.jpg

FSN0611C010.jpg

FSN0611C011.jpg



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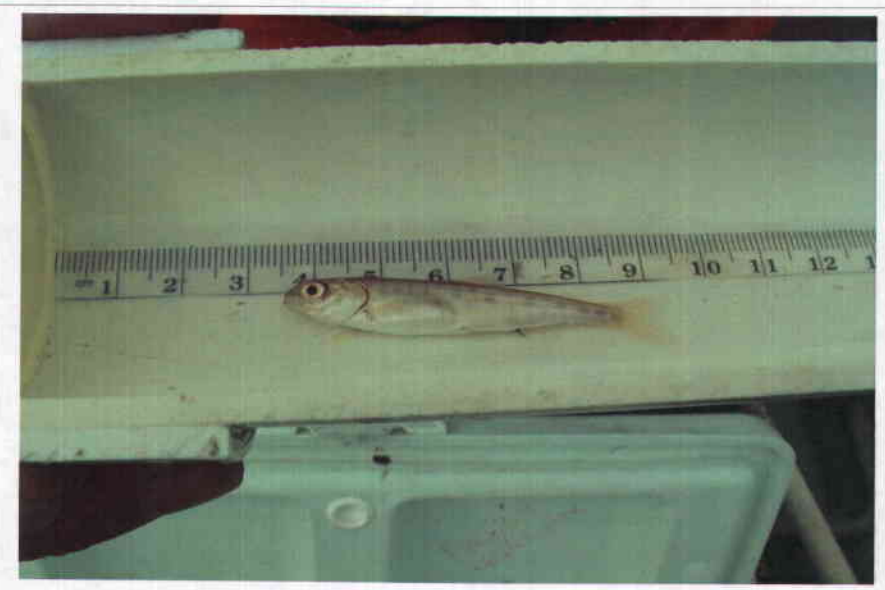

FSN0611C015.jpg

STATE OF ALASKA

FRANK MURKOWSKI, GOVERNOR

DEPARTMENT OF FISH AND GAME

Division of Sport Fish

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 24, 2006

SUBJECT: 2006 Little Muklung River nominations

Attached are Fish Distribution Database/Anadromous Waters Catalog (FDD/AWC) nominations for the Little Muklung River (325-30-10100-2035-3015) system. In 2006, our freshwater fish inventory (Wiedmer 2006) of the Nushagak/Mulchatna drainage yielded 9 fish sampling efforts on the Little Muklung River.

Collectively, the 9 Little Muklung River observations support adding to the FDD/AWC rearing sockeye salmon (observed at 3 of 9 sampled locations, Figure 1) upstream to Station FSN0611C03; adult chum salmon (observed at 1 of 9 sampled locations, Figure 2) upstream to Station FSN0611C01; and adult pink salmon (observed at 9 of 9 sampled locations, Figure 3) upstream to Station FSN0611C01. The collective sampling effort did not provide any support for listing coho salmon rearing downstream of the confluence of 325-30-10100-2035-3015 and 325-30-10100-2035-3015-4012 (Figure 4), thus I suggest removing the rearing life stage downstream from this confluence. The documentation of rearing coho salmon in this system derives from earlier freshwater fish inventories (Wiedmer 2003, 2005).

These 9 observations are bundled into 2 packages, which represent sets of observations from 2 contiguous reaches of the Little Muklung River. These packages are ordered from downstream to upstream.

References Cited.

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.

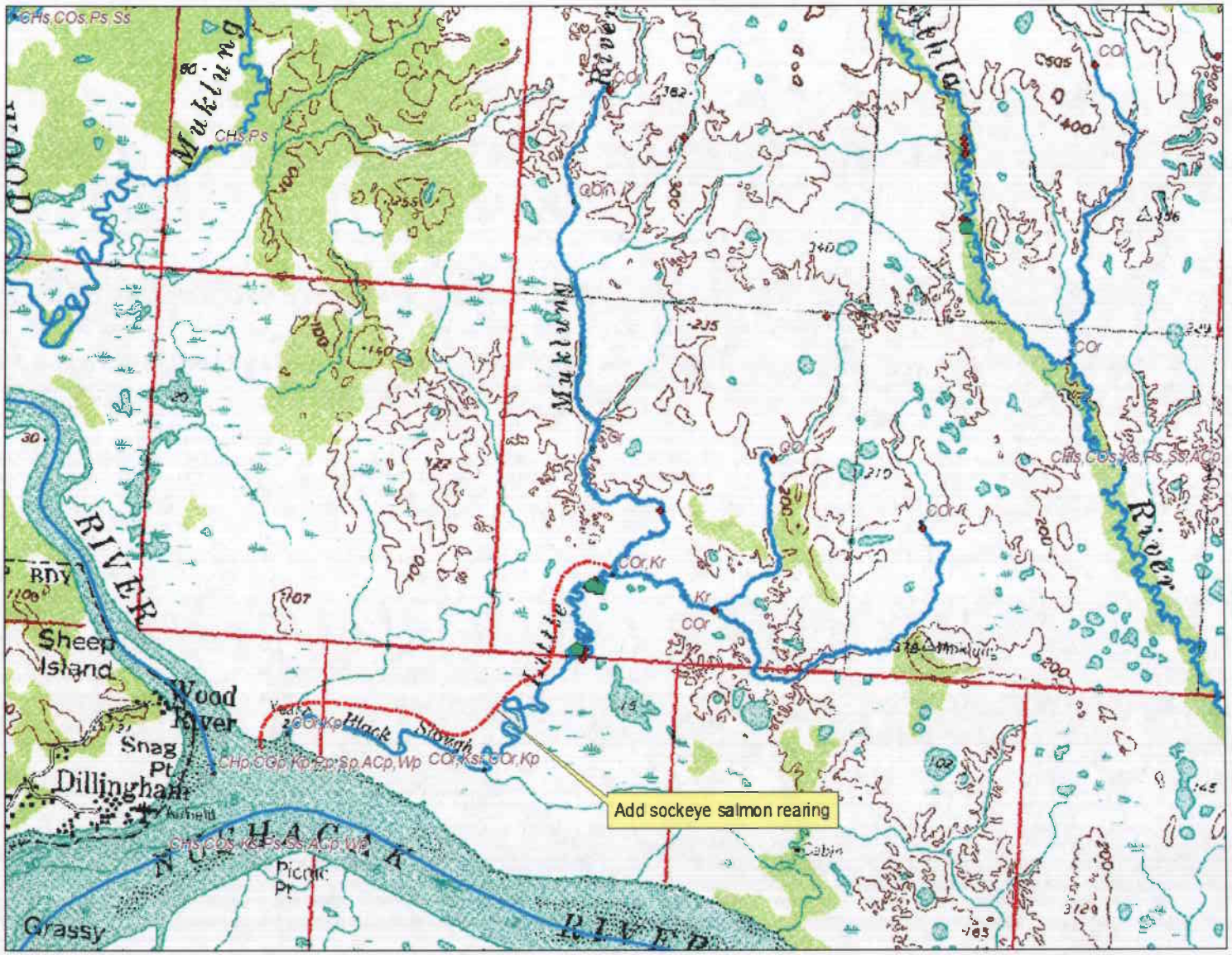

Figure 1.-Locations of Little Muklung River rearing sockeye salmon observations (see attached nominations for station coordinates).

06494
Add SR or Sp to
325-30-10100-2035-
3015
Add Sp to
325-30-10100-2035
SR
SP
SP
LITTLE MUKLUNG
LITTLE MUKLUNG RIVER
BLACK SLOUGH
WINTER TRAIL
COr,Kp
COr,Ksr
COr,Kp
VABM
R 55 W
R 54 W
R 53 W