



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

Fish Survey
Nomination Form
Fish Distribution Database

D16 PG, 05
X

Region: Southwest

USGS Quad: Taylor Mts A-6

Fish Distribution Database Number of Waterway: 325-30-10100-2249-3048

Status: Cataloged

Name of Waterway: Arrow Creek

USGS Name

Local Name

Addition

Deletion

Correction

Backup Information

For Office Use

Nomination #	<u>C6-767</u>	<u>[Signature]</u>	<u>11/20/06</u>
Revision Year:	<u>2007</u>	ADFG Fisheries Scientist	Date
Revision to:	Atlas _____ Catalog _____	<u>[Signature]</u>	<u>11/20/06</u>
	Both <u>X</u>	ADNR O&MP Operations Mgr.	Date
Revision Code:	<u>B-1</u>	<u>[Signature]</u>	<u>11/09/06</u>
		FDD Project Biologist	Date
		<u>[Signature]</u>	<u>12/1/06</u>
		Cartographer	Date

Site Information Station: FSN0602D09 Date Observed: 8/3/2006 Legal Desc.: Sec 32, T. 1 S., R. 50 W., S.M. Latitude: Longitude: Datum:

Stream Parameters: Depth (m) Width (m) Water Temp. (C): 60.05323 -157.91829 WGS84

OHW Stream Stage: Medium

Wetted Dominant Substrate:

Rosgen Channel Type: C4 Low gradient, meandering, point-bar, riffle/pool, alluvial channels with broad, well-defined floodplains.

Station Comments: No aquatic habitat measurements taken. Observation of spawning chum salmon only.

Observation Information

Life History: Obligate anadromous population

Species/Lifestage: chum salmon adult spawning

Samp. ID (# Fish): A (4)

Key to Samp. ID

Samp. ID: A Method: Visual Observation, Ground

Add Chum salmon spawning to 325-30-10100-2249-3048

Additional Comments: This location is the furthest upstream chum salmon were observed. Approximately 40 live adult chum salmon and 40 chum salmon carcasses observed between here and Station FSN0602D08.

Name of Observer: Stewart Seaberg

Phone: (907) 269-6987

Date Printed: 11/1/2006

Signature: [Signature]

Address: Alaska Department of Natural Resources, Office of Habitat Mgmt and Permitting
550 West 7th Ave., Suite 1420
Anchorage, AK 99501

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: _____

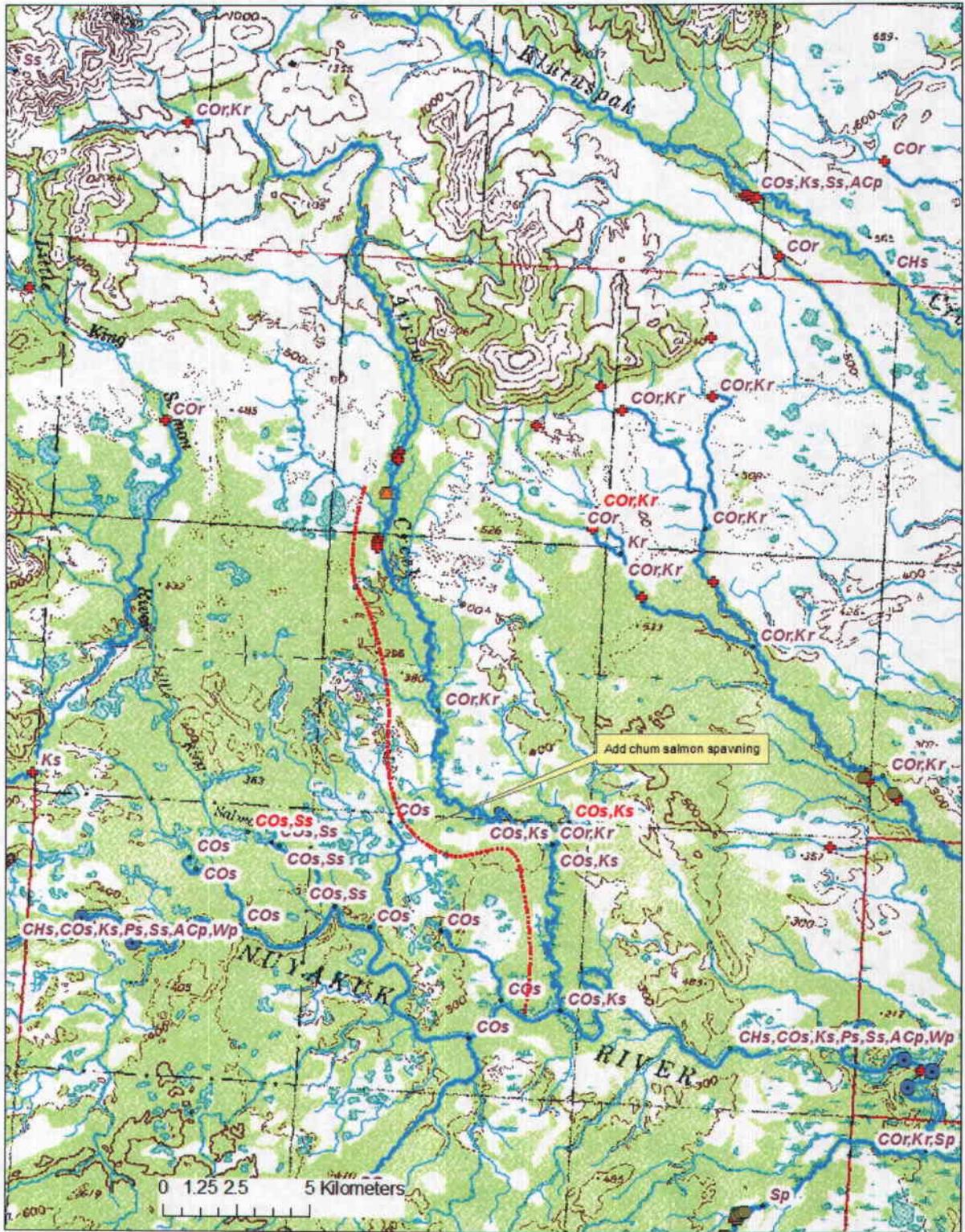


Figure 4.-Location of Arrow Creek chum salmon spawning observations.

STATE OF ALASKA

FRANK MURKOWSKI, GOVERNOR

DEPARTMENT OF FISH AND GAME

Division of Sport Fish

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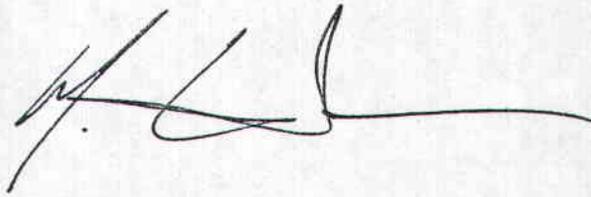
MEMORANDUM

TO: J. Johnson
Habitat Biologist

FROM: Michael Wiedmer
Habitat Biologist
Region V

DATE: November 2, 2006

SUBJECT: 2006 Arrow Creek nominations



Attached are Fish Distribution Database/Anadromous Waters Catalog (FDD/AWC) nominations for Arrow Creek (325-30-10100-2249-3048). In 2006, our freshwater fish inventory (Wiedmer 2006) of the Nushagak/Mulchatna drainage yielded 8 fish sampling efforts and one visual observation on this stream. A previous inventory (ADF&G 2006, Wiedmer 2003) produced another fish sampling effort in the headwaters.

Collectively, these efforts, along with sampling efforts on the Nuyakuk River, support adding to the FDD/AWC rearing Chinook salmon (observed at 9 of 9 sampled locations, Figure 1) downstream from the current documented lower limit of rearing Chinook salmon to the Nuyakuk River, in which we also observed this species/life stage in 2006; rearing Dolly Varden (observed at 2 of 9 sampled locations, Figure 2) between stations FSN0602D05 and FSB0310A03; spawning Chinook salmon downstream from Station FSN0602D01 to the current documented upstream limit of Arrow Creek Chinook salmon spawning (Figure 3); spawning chum salmon between stations FSN0602D09 and the Nuyakuk River (Figure 4); and rearing sockeye salmon (observed at 1 of 9 sampled locations, Figure 5) from Station FSN0602D02 downstream to the Nuyakuk River.

References Cited.

ADF&G (Alaska Department of Fish and Game). 2006. 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. 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.

CHS

add CHS to

325-3010100-2249 3048

CHS

