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

Fish Survey
Nomination Form
Fish Distribution Database

Dillingham D6, D5

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 # 06-786
Revision Year: 2007
Revision to: Atlas _____ Catalog _____
Revision Code: Both B-2

ADFG Fisheries Scientist	11/20/06 Date
ADNR OHMP Operations Mgr.	11/20/06 Date
FDD Project Biologist	11/09/06 Date
Cartographer	12/1/06 Date

Site Information **Station:** FSN0602D01 **Date Observed:** 8/3/2006 **Legal Desc.:** Sec 29, T. 1 S., R. 50 W., S.M.

Stream Parameters:	Depth (m)	Width (m)	Water Temp. (C): 8.7		Latitude:	Longitude:	Datum:
	OHW		Stream Stage: Medium	Upstream	60.06598	-157.91201	WGS84
	Wetted	0.5	7.5	Dominant Substrate: Gravel	Downstream	60.06495	-157.91303	WGS84

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

Station Comments: Reach began immediately below drop off point. Raining.

Observation Information

Life History: Obligate anadromous population

Species\Lifestage:	Samp. ID (# Fish):
Chinook salmon adult spawning	B (4)
Chinook salmon carcass	B (1)
Chinook salmon juvenile	A (2)

Life History: Resident

Species\Lifestage:	Samp. ID (# Fish):
Arctic grayling adult	A (1)
slimy sculpin juvenile/adult	A (2)
round whitefish adult	A (1)

Key to Samp. ID

Samp. ID: A **Method:** Portable Electrofisher **Electrofisher Time(s):** 57 **Efficiency:** Fair

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

Extend Chinook salmon spawning upstream >325-30-10100-
Extend Chinook salmon spawning downstream 2249-3048

Additional Comments: This nomination supports adding to the FDD spawning Chinook salmon upstream to this location and supports previous observations of rearing Chinook salmon. Approximately 200 adult Chinook salmon observed between here and Station FSN0602D08.

Name of Observer: Stewart Seaberg Phone: (907) 269-6987 Date Printed: 11/1/2006

Signature: Stewart J Seaberg

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:** _____

FSN0602D01001.jpg

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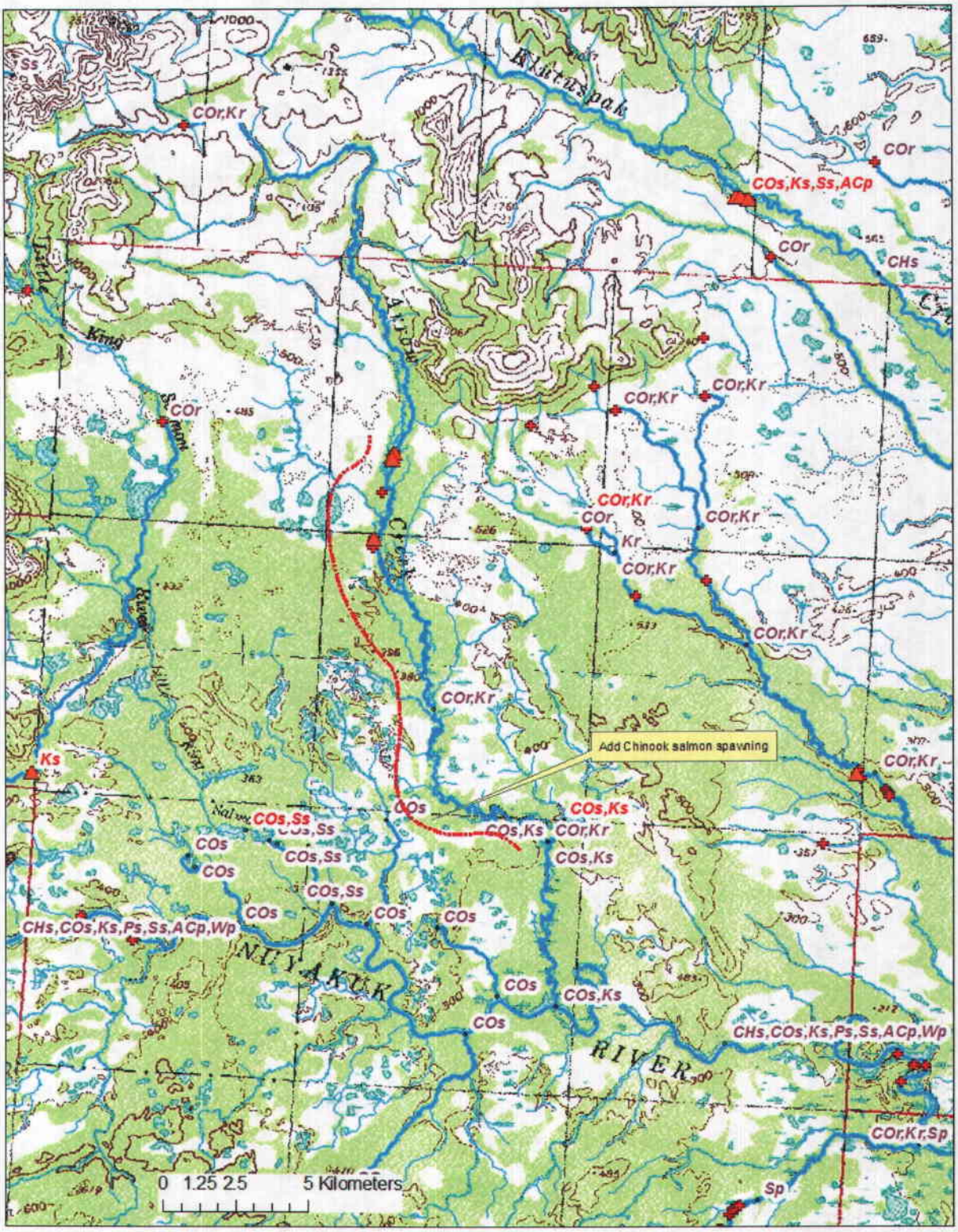

Figure 3.-Location of Arrow Creek Chinook salmon spawning observations.

Figure 1.-Locations of Arrow Creek and Nuyakuk River rearing Chinook salmon observations.

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

Division of Sport Fish

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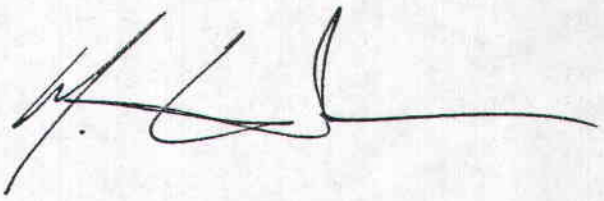
FAX: (907) 267-2464
EMAIL: mike_wiedmer@fishgame.state.ak.us

MEMORANDUM

TO: J. Johnson
Habitat Biologist

FROM: Michael Wiedmer
Habitat Biologist
Region V



DATE: 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.

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Extend Ks upstream
Extend Kr downstream
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