



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

Fish Survey
Nomination Form
Fish Distribution Database

Region: Southwest

325-30-10100-2249-3048

Fish Distribution Database Number of Waterway: ~~N/A~~

USGS Quad: Taylor Mts A-6

Name of Waterway: Arrow Creek

Status: N/A

Addition

Deletion

Correction

USGS Name

Local Name

Backup Information

Nomination # <u>06-762</u>		For Office Use <u>AFU</u>		Date <u>11/20/06</u>	
Revision Year: <u>2007</u>		Fisheries Scientist <u>[Signature]</u>		Date <u>11/20/06</u>	
Revision to: Atlas <input type="checkbox"/> Catalog <input type="checkbox"/>		FDD Project Biologist <u>[Signature]</u>		Date <u>11/09/06</u>	
Revision Code: <u>B-IF2</u>		Drafted		Date	

Site Information Station: FSB0310A03 Date Observed: 8/15/2003 Legal Desc.: Sec 24, T. 1 N., R. 51 W., S.M. Latitude: Longitude: Datum: 60.16501 -158.05527 NAD27
Stream Depth (m) Width (m) Water Temp. (C): 8.9
Parameters: OHW 0.3 7.9 Stream Stage: High
Wetted 0.3 7.9 Dominant Substrate: Cobble

Rosgen Channel Type: C3 Low gradient, meandering, point-bar, riffle/pool, alluvial channels with broad, well-defined floodplains.

Station Comments: Mountain stream near upper end of steady grade. Beaver dams upstream. Four adult bald eagles downstream, suggesting the presence of adult salmon (adjacent to the 1505 foot peak immediately east of the channel).

Observation Information

Life History: Obligate anadromous population

Species\Lifestage: Chinook salmon juvenile (suspected spawning) Samp. ID (# Fish): A (16) Barriers: Unknown
Species\Lifestage: coho salmon juvenile (suspected spawning) Samp. ID (# Fish): A (15) Barriers: Unknown

Life History: Facultative anadromous population, unknown individual life history

Species\Lifestage: Dolly Varden adult Samp. ID (# Fish): A (1) Barriers: Unknown
Species\Lifestage: Dolly Varden juvenile/adult Samp. ID (# Fish): A (3) Barriers: Unknown
Species\Lifestage: Dolly Varden juvenile (suspected spawning) Samp. ID (# Fish): A (19) Barriers: Unknown

Life History: Unknown

Species\Lifestage: slimy sculpin adult Samp. ID (# Fish): A (1) Barriers: Unknown
Species\Lifestage: slimy sculpin juvenile/adult Samp. ID (# Fish): A (4) Barriers: Unknown
Species\Lifestage: slimy sculpin juvenile (suspected spawning) Samp. ID (# Fish): A (1) Barriers: Unknown

Key to Samp. ID

Samp. ID: A Method: Portable Electrofisher Electrofisher Time(s): 311 Efficiency: N/A

Comments: Low conductivity and swift current limited electrofishing efficiency.

Additional Comments: This nomination supports adding to the FDD rearing Dolly Varden to this stream currently cataloged for rearing Chinook and coho salmon.

Add Dolly Varden rearing as presence to 325-30-10100-2249-3048

Name of Observer: Michael Wiedmer

Phone: (907) 267-2292 Date Printed: 11/2/2006

Signature: [Signature]

Address: Alaska Department of Fish and Game, Division of Sport Fish
333 Raspberry Road
Anchorage, AK 99518-1599

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: _____



FSB0310A009.jpg



FSB0310A010.jpg



FSB0310A014.jpg



FSB0310A015.jpg



FSB0310A036.jpg

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

Division of Sport Fish

FRANK MURKOWSKI, GOVERNOR

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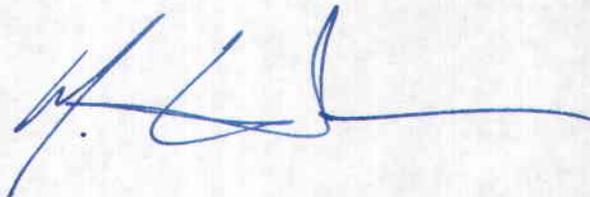
MEMORANDUM

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.

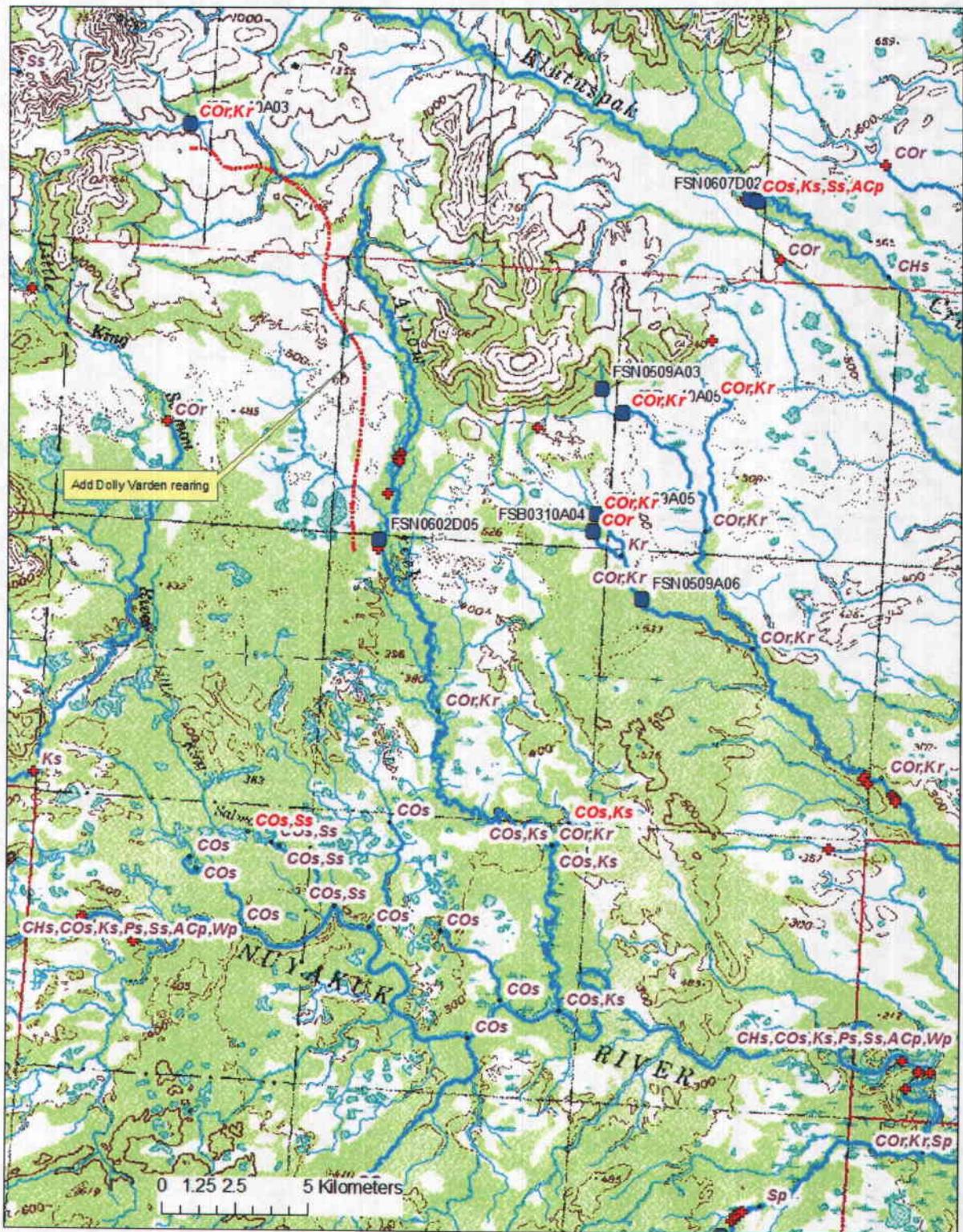


Figure 2.- Locations of Arrow Creek rearing Dolly Varden observations.



06-762

ABT DUPER DVP

to 375-30-10/00-2299

-3098 mid downstream

1.5 needed

DVP

DVP

DVP

