



State of Alaska
Department of Fish and Game
Habitat and Restoration Division

ALASKA DEPT. OF
FISH & GAME

JAN 14 2003

Nomination of Waters
Important to Anadromous Fish

REGION II
HABITAT AND RESTORATION
DIVISION

USGS Quad: Kenai D-6

Region: Southcentral

Anadromous Water Catalog Number of Waterway: 245-50-10010-2043-3082

Status:

Name of Waterway: _____

USGS Name

Local Name

Addition

Deletion

Correction

Backup Information

For Office Use

Nomination # <u>03 106</u>		<u>3/19/03</u>
Revision Year: <u>2003</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____		<u>66 MAR 03</u>
Both <u>X</u>	AWC Project Biologist	Date
Revision Code: <u>A-2</u>		_____
	Drafted	Date

SITE INFORMATION Station: FSH0212A59 Visit: 1 Date Observed: 8/1/2002 Latitude: 60.912043 Longitude: -152.13454
Legal Description: SW 1/4 Section 33, T. 10 N., R. 16 W., S.M.

STREAM PARAMETER

Wetted OHW

Width (m)

Water Temp. (C):

Stream Stage:

Thalweg Depth (m)

Dominant Substrate:

Station Comments: Only recorded GPS point from helicopter. Sighted school of Dolly Varden in outlet pool of beaver pond. Captured coho just 1/4 mile below this site.

SPECIES INFORMATION Dolly Varden Life Stage: Adult Count: 100 Life History: Anadromous

Sampling Method: Visual Observation, Helicopter

Area (m2):

Effort (s):

Trap Time (h):

Trap in:

Fish passage barrier at site: Unknown

Trap out:

Species Comments: One was dipnetted from a similar school at site 12A57 (5 km DS) (see photos).

1

Additional Comments:

- See last page for additional information -

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.

Name of Observer: Joe Buckwalter, Fish and Wildlife Technician

Phone: (907)267-2345

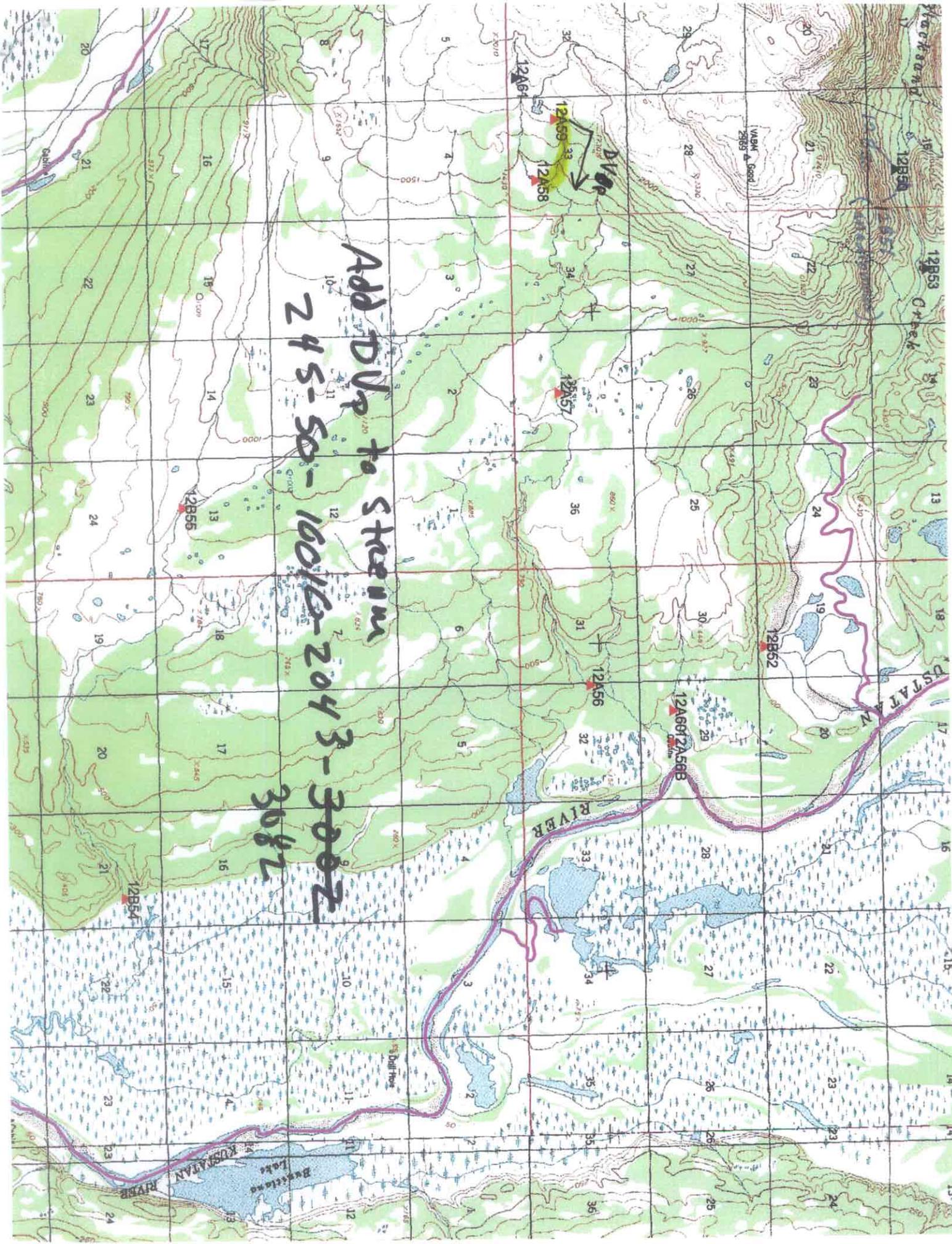
Date Printed: 12/10/2002

Signature:

Address: Habitat and Restoration Division, Alaska Department of Fish and Game
333 Raspberry Road
Anchorage, AK 995181599 USA

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 Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: _____



Add DVP to stream
245-50-16010-2043-3002
3082

059

059 SHOT POINT ABOVE
058 FROM COPTER
- school
- dabbled
- kids are cute

J Johnson

From: Joe Buckwalter [joseph_buckwalter@fishgame.state.ak.us]
Sent: Thursday, March 13, 2003 1:20 PM
To: J D Johnson
Subject: nominations 03-073 and 03-106

At station 12A59 (Nomination 03-106) and at station 12A58 (nomination 03-105) a large school (approximately 100) of adult dolly varden was observed from the helicopter. Downstream in the same stream, at station 12A57, one adult dolly varden was captured by dip net out of a similar large school (estimated at 500 fish). Photographs of this fish are attached to nomination 03-105. This fish measured 350 mm (14 inches), and appeared to be of smaller than average size compared to the other fish in the school. These fish were bright (difficult to see in photo). Based on our observations of 3 large schools of big, bright adult dolly varden occurring in this small stream (stream wetted width was 2.2 meters at station 12A58), likely providing insufficient food supply and overwintering habitat to support these fish as a resident population, Mike Anderson and I concluded that these were likely anadromous dollies migrating to spawning reaches (redds were observed at site 12A58). This decision was made based on professional opinion. Short of conducting a telemetry study of radio-tagged fish, or perhaps analysis of strontium in otoliths, (although I'm told dolly scales are difficult to analyse) it may not be possible to prove that these dollies (or any dollies observed in freshwater) were anadromous.

Large schools of adult dolly varden were also observed at station 04A13 (nomination 03-073). 6 fish ranging from 10-20 inches were captured with a dip net. These were also large, very bright fish occurring in a small stream. This stream is an independent drainage to Cook Inlet with no connected lakes. Again, we determined that this stream did not contain suitable food supply or overwintering habitat to support the numbers of large dollies we observed. Again, this decision was based on professional opinion.

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