



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

ALASKA DEPT. OF FISH & GAME

JAN 16 2003
REGION II
HABITAT AND RESTORATION
DIVISION

Nomination of Waters
Important to Anadromous Fish

Region: Interior

Anadromous Water Catalog Number of Waterway: 334-40-11000-2025-3912-4076

Name of Waterway: 1296363 (Local Name)

USGS Quad: Wiseman A-1

Status: USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination #	03 191	Regional Supervisor	JML	Date	3/11/03
Revision Year:		AWC Project Biologist	90p	Date	28 Feb 03
Revision to: Atlas		Drafted	2. drone	Date	3/19/03
Both	<input checked="" type="checkbox"/>				
Revision Code:	A-2				

SITE INFORMATION Station: JPOS130A01 Visit: 1 Date Observed: 7/15/2002 Latitude: 67.16461 Longitude: -150.34688 MAD83

Legal Description: SE 1/4 Section 14, T. 27 N., R. 13 W., F.M.

STREAM PARAMETER Wetted OHW

Width (m) Water Temp. (C): Stream Stage: Medium
Thalweg Depth (m) Dominant Substrate: Gravel
Station Comments: Multimeter readings and gradient not taken (see Station 11A02, Visit 2). Two 1.5 m diameter, 21 m long culverts pass through dike. These culvert inlets are blocked by an ephemeral wood/debris jam (pictures 1 - 3). Some riprap has fallen into the culvert outlet pool. Flow upstream of the culverts is slow, leading to sediment and debris deposition.

SPECIES INFORMATION slimy sculpin Life Stage: Juvenile/Adult Count: 12 Life History: Resident
Sampling Method: Portable Electrofisher Area (m2): Effort (s): 131 Trap Time (h): Trap in:
Fish passage barrier at site: Human, Culvert Trap out:
Species Comments: All sculpin were collected downstream of the culverts. Seven were visually observed only, to avoid electrofishing stress. 1

SPECIES INFORMATION grayling Life Stage: Juvenile/Adult Count: 1 Life History: Resident
Sampling Method: Visual Observation, Ground Area (m2): Effort (s): Trap Time (h): 0.75 Trap in: 7/15/2002 9:00:00 AM
Fish passage barrier at site: Human, Culvert Trap out: 7/15/2002 9:45:00 AM
Species Comments: Grayling (estimated length 15 - 18 cm) observed in culvert outlet pool. Did not attempt to electrofish this fish. 2

See next page

Additional Comments:
No longer appears to have any substantial if any flow from Koyukuk River.

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Name of Observer: Doug Lieb, Fisheries Biologist Phone: (907)257-1307 Date Printed: 12/26/2002

Signature: Douglas W. Lieb
Address: Joint Pipeline Office, Alaska Department of Fish and Game
411 W. 4th Avenue
Anchorage, AK 99501 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: _____

SPECIES INFORMATION chinook salmon

Life Stage: Juvenile

Count: 11

Life History: Anadromous

Sampling Method: Portable Electrofisher

Area (m2):

Effort (s): 131

Trap Time (h): 0.75

Trap in: 7/15/2002 9:00:00 AM

Fish passage barrier at site: Human, Culvert

Trap out: 7/15/2002 9:45:00 AM

Species Comments: One chinook (first fork length) was collected in a minnow trap set in the culvert outlet pool. Other chinooks were collected in the deep sections of the stream among the roots and vegetation under the undercut banks. 3

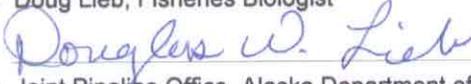
Additional Comments:

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PIC30002.jpg



PIC30005.jpg



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USGS Quad: Wiseman A-1

Anadromous Water Catalog Number of Waterway: _____

Name of Waterway: 1296363 (Local Name)

USGS Name

Status:

Local Name

Addition

Deletion

Correction

Backup Information

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Revision to: Atlas _____ Catalog _____	_____	_____
Both _____	AWC Project Biologist	Date
Revision Code: _____	_____	_____
	Drafted	Date

SITE INFORMATION Station: JPOS111A02 Visit: 1 Date Observed: 6/14/2002 Latitude: 67.1656 Longitude: -150.34494
Legal Description: 1/4 Section, T. ., R. .,

STREAM PARAMETER

	Wetted	OHW		
Width (m)	7.4	9.4	Water Temp. (C): 3.9	Stream Stage: Medium
Thalweg Depth (m)	1		Dominant Substrate: Cobble	

Station Comments: Station is located directly underneath pipeline where it crosses the channel. Channel appears to be a slough. At ROW the channel is 7.4 m wide, narrowing to 4.8 m 20 m downstream. Upstream of the pipeline, two culverts direct flow through the Dalton Highway. Both these culverts are completely submersed. Near the culverts, riprap has been placed around the culverts. Culvert lengths are 31.9 m; diameter 1 m. The culverts belong to ADOT/PF. Substrate is cobble and boulder with deposition layer of fine sediment. No current evident since stirred-up sediment remains suspended in place.

SPECIES INFORMATION no fish collected or observed Life Stage: Not Applicable Count: Life History:
Sampling Method: Portable Electrofisher Area (m2): Effort (s): 243 Trap Time (h): 3.08 Trap in: 6/14/2002 11:00:00 AM
Fish passage barrier at site: Not applicable Trap out: 6/14/2002 2:05:00 PM
Species Comments: Two suspected fishes jumped out of water; 1 possible fish turned by electrofisher, but unable to retrieve because of large amounts of floating debris upstream of Dalton Highway. Channel is very deep, limiting sampling efficiency. 1

Additional Comments:

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Signature: *Douglas W. Lieb*

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Revision to: Atlas _____ Catalog _____	_____	_____
Both _____	AWC Project Biologist	Date _____
Revision Code: _____	_____	_____
	Drafted	Date _____

SITE INFORMATION Station: JPOS111A02 Visit: 2 Date Observed: 7/15/2002 Latitude: 67.1656 Longitude: -150.34494
 Legal Description: _____ 1/4 Section, T. __, R. __

STREAM PARAMETER Wetted OHW
 Width (m) _____ Water Temp. (C): 3.7 Stream Stage: Medium
 Thalweg Depth (m) _____ Dominant Substrate: _____

Station Comments: At the station the stream is 4 m wide and deeper than waders. Flow is very slow. A thick layer of fine sediment covers the substrate surface. Upstream of the Dalton Highway, the flow virtually stops, with deposition of fines and soft sediment banks. Organic debris (e.g., branches and leaves) cover much of the water surface. Downstream of the Dalton Highway and pipeline, the stream becomes narrower and shallower. The culverts act as a blockage to fish passage because of flooding that has buried and covered the 2 culverts in mud and wood debris. Fish were seen and captured downstream of these culverts. See site 30A01.

SPECIES INFORMATION slimy sculpin Life Stage: Juvenile/Adult Count: 1 Life History: Resident
 Sampling Method: Portable Electrofisher Area (m2): _____ Effort (s): 237 Trap Time (h): _____ Trap in: _____
 Fish passage barrier at site: Unknown Trap out: _____

Species Comments: This sculpin was caught 20 m upstream of blocked culverts (Station 30A01) in a shallow riffle, immediately upstream of where stream becomes wide and deep and almost still. See Station 30A01 for information on fish caught downstream of the blocked culverts. 1

Additional Comments:

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	Drafted	Date

SITE INFORMATION Station: JPOS111A02 Visit: 3 Date Observed: 8/14/2002 Latitude: 67.1656 Longitude: -150.34494
 Legal Description: 1/4 Section, T. ., R. .,

STREAM PARAMETER Wetted OHW
 Width (m) 4 Water Temp. (C): 3.8 Stream Stage: Medium
 Thalweg Depth (m) Dominant Substrate:

Station Comments: Picture 20 is of blocked culvert's (Station 30A01) downstream of blockpoint. Multimeter readings taken at Dalton Highway culverts. The stream is lower than on last visit. Stream near culverts is too deep to measure thalweg depth. Stream becomes narrow and shallow with mud substrate near the blocked culverts at Station 30A01. Perfuse algal growth on bottom near Dalton Highway culvert and where the stream is deep and still. East of the Dalton Highway ice has formed a thin surface layer.

SPECIES INFORMATION no fish collected or observed Life Stage: Not Applicable Count: Life History:
 Sampling Method: Portable Electrofisher Area (m2): Effort (s): 256 Trap Time (h): 0.50 Trap in: 8/14/2002 11:30:00 AM
 Fish passage barrier at site: Not applicable Trap out: 8/14/2002 12:00:00 PM
 Species Comments: Majority of stream is too wide and deep for efficient electrofishing. Grayling were observed downstream of the blocked culverts at Station 30A01, downstream from this point. 1

Additional Comments:

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Add
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Appendix A32.-Stations 11A02, 11A03, 11A04, 11A05, 30A01, 30A02, 49A01, and 49A02.

