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

Nomination Form
Anadromous Waters Catalog

Region: II

USGS Quad(s): Seldovia D-5 Quad 051 (SLD)

Anadromous Waters Catalog Number of Waterway: 244-10-10010-2021-3009

Name of Waterway: Unnamed stream ☐ USGS Name ☐ Local Name

☒ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #	140346	James J Hasbrouck, Fisheries Scientist	10/3/2014 Date
Revision Year:	2015	Habitat Operations Manager	10/3/14 Date
Revision to: Atlas ____ Catalog ____ Both X		AWC Project Biologist	9/22/14 Date
Revision Code:	A-2	Cartographer	10/15/14 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho Salmon	9/10/14 & 9/11/14		X		☒
rainbow trout	9/10/14 & 9/11/14		X		☐
Dolly Varden	9/10/14 & 9/11/14		X		☐
					☐
					☐

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.

Comments: Rainbow trout may be steelhead, but genetic samples were not taken.
Electroshocking - coho (111), Rbt (11), DV (1) see attachment
Minnow trapping coho (39), Rbt (24), DV (54) see attachment

Name of Observer (please print): Patti Berkhahn
Signature: Patti Berkhahn - HB III
Date: 9/15/14
Agency: ADF&G / Habitat Division
Address: River Center 514 Funny River Rd. Soldotna, AK 99669

ALASKA DEPT. OF FISH & GAME
SEP 17 2014

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 Anadromous Waters Catalog.

Signature of Area Biologist: [signature] Date: 9/16/14 Revision

02/08

Add new stream w/ coho salmon rearing

9/10/14 all traps set by PB, BH
gravel pit

** Need GPS **

Trap 1 upstream of culvert
set 1:35 p.m 9/10/14 N 59.75987
pulled 11:28am 9/11/14 W 151.78117
DV 𝍸 ||| 70-80mm
RbT 𝍸 ||| 60-70mm

Trap 2 upstream @ bend
set 1:37 p.m. 9/10/14 N 59.75999
pulled 11:37 9/11/14 W 151.78156
DV 𝍸 𝍸 |||| 70-80mm
RbT 𝍸 ||| 60-70mm

Trap 3 downstream culvert hole
set 1:41 p.m 9/10/14 N 59.75937
pulled 11:50am 9/11/14 W 151.78101

RbT 1 @ 50mm

Trap 4 downstream below falls
set 1:44 p.m. 9/10/14 N 59.75888
pulled 11:50am W 151.78018
DV 𝍸 𝍸 𝍸 | 70-80mm hint of orange on anal
Rbt 𝍸 60-70mm Unk |||| no color on dorsal
Coho 𝍸 𝍸 𝍸 some speckles
40mm on OUTSIDE of adipose

* Need GPS *

Trap 5 downstream bend
set 1:45pm 9/10/14
pulled 12:20pm 9/11/14 N 59.75872
Coho 𝍸 𝍸 𝍸 |||| W 151.78000
DV 𝍸 𝍸 𝍸 70-80mm 40mm or less
Rbt 1 60mm

Trap 6 @ confluence under bank
set 1:52 9/10/14 N 59.75862
pulled 12:28pm 9/11/14 W 151.78001
Coho 𝍸 40mm or less
DV 1
Rbt 1

Trap 7 Two Moose Creek downstream of confluence set 1:53pm 9/10/14
pulled 12:40pm N 59.75869
Rbt |||| 40mm W 151.78011
Coho 𝍸 𝍸 |||| 40mm or less
DV 𝍸 100mm

Trap 8 Two Moose Creek upstream of confluence set 1:55pm 9/10/14
pulled 12:53pm N 59.75862
Rbt 1 40mm W 151.78001
Coho ||| less than 30mm
Unk 1 no white or black or spots on anal or dorsal
same as other UNK

Rite in the Rain.

Unnamed Trib to Two Moose Creek (Stream flows through gravel pit)

All traps set 9/10/14 by Berkhahn, Harris
HB III prog. tech

All traps pulled 9/11/14 by Blossom, Harris
HB II prog. tech

This nomination

Top of electroshocking survey
3 sets of silt fencing from here upstream
Last location of fish found with shocker
UNNAMED STREAM THROUGH GRAVEL PIT
Trap 2
DV 14
Rbt 8
Upstream location of
coho found with shocker
Trap 1
DV 8
Rbt 8
Culvert
Slightly perched downstream
Trap 3
Rbt 1
braided area of stream
Trap 4
DV 16
Rbt 5
Coho 15
Unknown 3
Trap 6
DV 1
Rbt 1
Coho 5
TWO MOOSE CREEK
Stream # 244-10-10010-2021
COs, Ksr, SHr
Trap 5
DV 15
Rbt 1
Coho19
Trap 7 Two Moose Creek
DV 5
Rbt 4
Coho 14
Trap 8
Rbt 1
Coho 3
Unknown1
STERLING HWY
BENSON RD

FIELD DATA: CATCH INFORMATION

SITE LOCATION	SITE DESCRIPTION
non-anadromous Unnamed Stream Tributary to Two Moose Creek Stream # 244-10-10010-2021	Creek flows through gravel pit pools, riffles, glides
DATE 9/10/14	**APPROXIMATE TIME** 11:00 Am
WATER TEMPERATURE 10.8°C	**SPECIFIC WATER CONDUCTIVITY** 179 u

WAVEFORM SELECTED (RECORD SETTINGS, E.G., FREQUENCY)

300 - 375 Volts 30 HZ 25% Duty Cycle

FIND THRESHOLD VOLTAGE; START LOW, FISH 5-10 MINUTES, RECORD RESULTS, REPEAT UNTIL THRESHOLD IS DETERMINED

VOLTAGE SETTING	CATCH RESULTS	FISH REACTION	THRESHOLD?
300V	Rbt (3) ~80mm DV (1) ~90mm	Lots of Fish jumping; couldn't catch	No
360 V	Coho (3) ~40mm Rbt (8) 50-100mm	10-20 second recovery - saw lots more - couldn't catch	Yes
375 V	coho (8) ~40mm	longer recovery some Flaring	too high

DESCRIBE ANY EVIDENCE OF FISH STRESS OR INJURY; AT WHAT VOLTAGES?

1 coho - evidence Flaring @ 375V

MISC NOTES

Map coordinates

downstream @ confluence

-151 46.8 W
59 45.52 W

(-151.~~0~~78 W
59.75866 N)

upstream end of survey

-151 46.81 W
59 45.69 N

(-151.78016 W
59.7615 N)

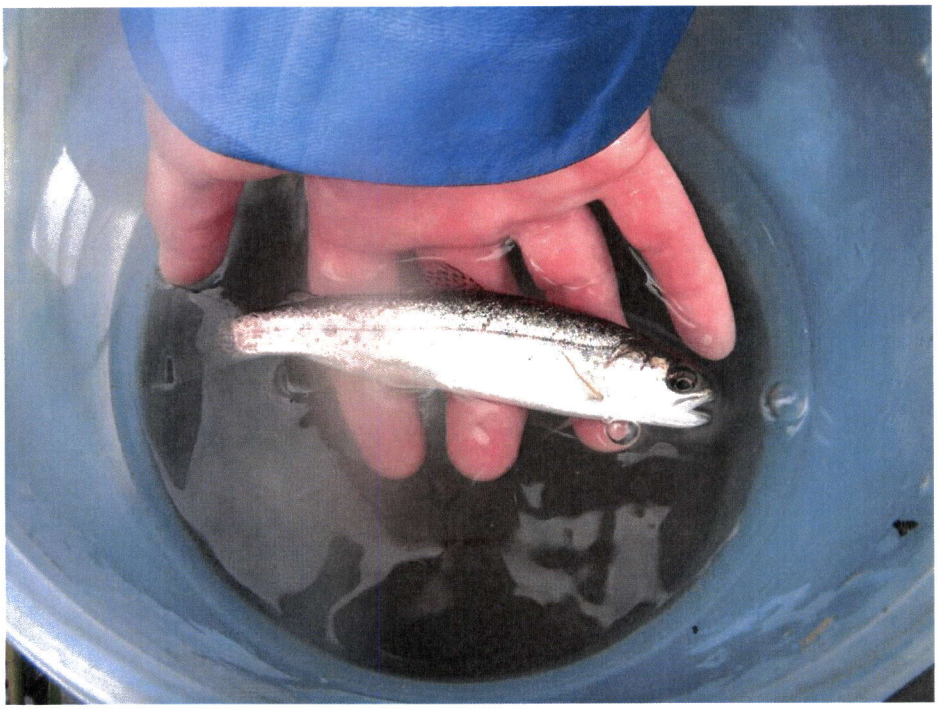
upstream + downstream of culvert in gravel pit were shocked

OPERATOR/CREW

Patti Berkhahn - crew leader

Bryr Harris

Unnamed Tributary to Two Moose Creek Photos



Rainbow trout caught with electroshocker 9/10/14 by Berkhahn & Harris at unnamed tributary to Two Moose Creek

Coho salmon caught with electroshocker 9/10/14 by Berkhahn & Harris at unnamed tributary to Two Moose Creek

2+ - COr
add new stream 244-10-10010-2021-3009 w/coho salmon rearing, use arc2015 for hydro
30+ - COr in traps
COr
COr