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

Nomination Form
Anadromous Waters Catalog

Region: II

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

Anadromous Waters Catalog Number of Waterway: 241-20-10550-2021

Name of Waterway: Unnamed Stream ☒ USGS Name ☐ Local Name

☒ Addition ☐ Deletion ☐ Correction ☒ Backup Information

~~Extend reach~~

For Office Use

Nomination #	140294	Fisheries Scientist	Date
Revision Year:	2015	Habitat Operations Manager	Date
Revision to:	Atlas ____ Catalog ____ Both ____	AWC Project Biologist	8/28/14 Date
Revision Code:	F-1	Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho Salmon	8/7/14		X		☒
Dolly Varden			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: Electrashocking supports previous CCR documentation ref nom # 14-315

upstream of culvert @ 59.302638N -151.70611W 1 coho ~ 35mm 1 DV ~ 40mm

downstream of culvert @ 59.302583N -151.705972W 2 coho ~ 65mm 1 coho ~ 35mm

See attached data sheet & map for site 12

Name of Observer (please print): Patti Berkhahn HBIII

Signature: Patti Berkhahn Date: 8/18/14

Agency: ADF&G / Habitat Division

Address: River Center 514 Funny River Rd. Soldotna, AK 99669

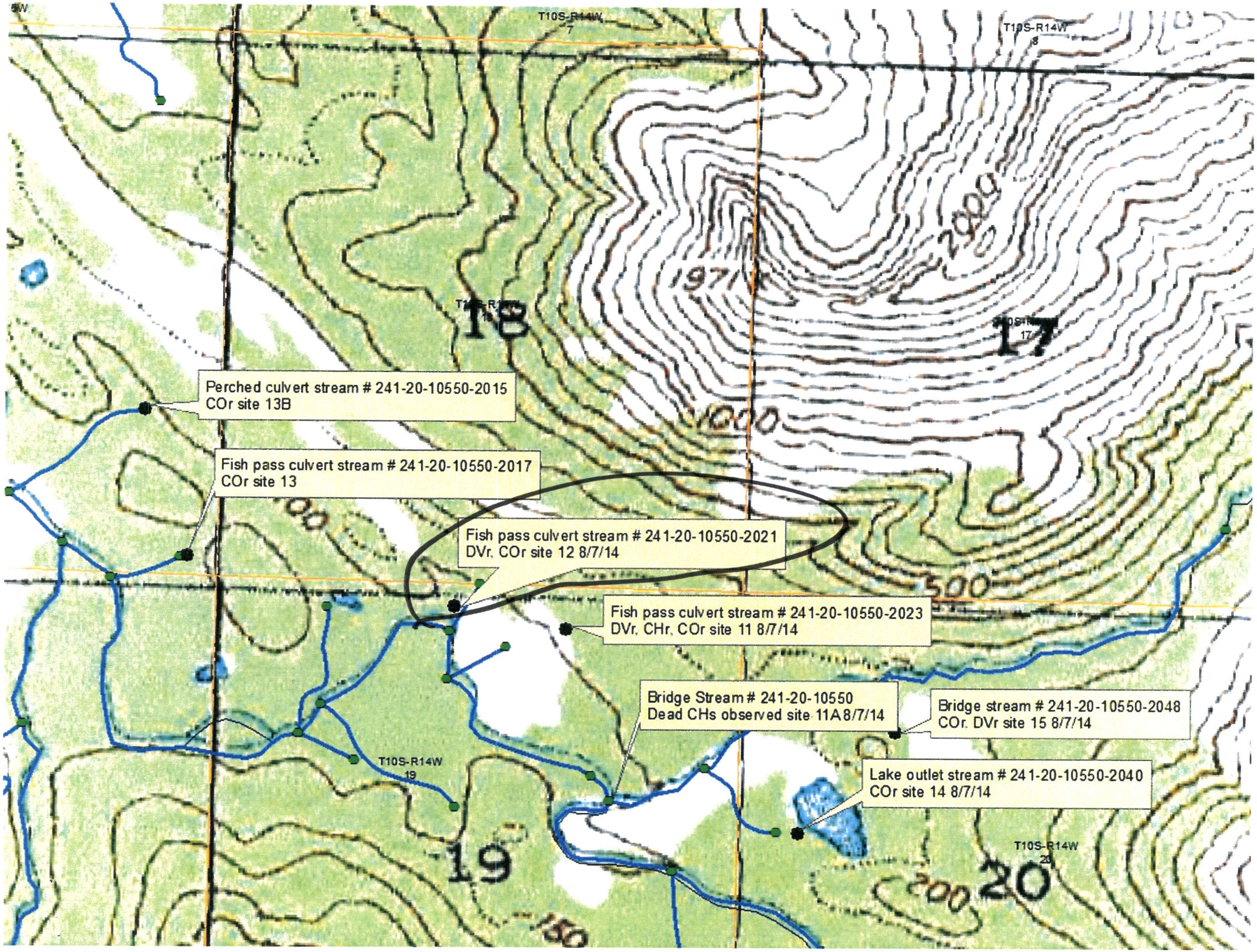
ALASKA DEPT. OF FISH & GAME
AUG 25 2014

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: Jim Litchfield Date: 8/18/14

Revision

02/08


T10S-R14W
7
T10S-R14W
8
18
17
1971
2000
1000
500
Perched culvert stream # 241-20-10550-2015
COr site 13B
Fish pass culvert stream # 241-20-10550-2017
COr site 13
Fish pass culvert stream # 241-20-10550-2021
DVr, COr site 12 8/7/14
Fish pass culvert stream # 241-20-10550-2023
DVr, CHr, COr site 11 8/7/14
Bridge Stream # 241-20-10550
Dead CHs observed site 11A 8/7/14
Bridge stream # 241-20-10550-2048
COr, DVr site 15 8/7/14
Lake outlet stream # 241-20-10550-2040
COr site 14 8/7/14
T10S-R14W
19
19
T10S-R14W
20
20
200
150

State of Alaska
Department of Fish and Game
Nomination for Waters
Important to Anadromous Fish

AWC Volume SE (SC) SW W AR IN USGS Quad Seldovia - B5

Anadromous Water Catalog Number of Waterway 241-20-10580-2021

Name of Waterway _____ USGS name ____ Local name ____

Addition ✓ Deletion ____ Correction ____ Backup Information ____

For Office Use

Nomination # 94 279	[signature] Regional Supervisor — Date 1/19/94
Revision Year: '94	Ed Weiss — Date 12/28/93
Revision to: Atlas ____ Catalog ____ Both X	L. Drone — Drafted — Date 1/28/94
Revision Code: A-2d	

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Coho salmon - juvenile	09/20/93		10		✓

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 any other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: The stream is four 2-4 meters long and drains from surrounding meadows via a 15-20 m fall which is a total barrier to Pinks + Coho salmon. The gradient is 1% and substrate is predominantly mud/silt and sand. The stream drains into a side channel of the mainstream and offers good rearing habitat.

FISH & GAME

Name of Observer (please print) KATHRIN SUNDET

Date: 10/19/93 Signature: Kathrin Sundet

Address: 2333 RASPBERRY
ANCHORAGE AK 99518

This certifies that in my best professional judgement 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: _____ Rev. 7/93

STREAM HABITAT ASSESSMENT 1993 – SEGMENTS

241-20-10550

STREAM: ~~Graham-05~~ SEGMENT: 5-01 DATE: 09/20/93 TEAM: WG/KS

ANADROMOUS: y n WIDTH (m): 4 - 2 LENGTH (m): 20 GPS DATE: __/__/ DIGITIZE: y n

WATERBODY: mainstem (tributary) lake/pond wetland intertidal other : _____

FISH					WILDLIFE		
SPECIES	STAGE (A J U)	COUNT	METHOD (E V D)	COMMENTS	SPECIES	COUNT	COMMENTS
Coho	J	3	E	0+	Moose		Tracks
Coho	J	7	V	0+			

GRADIENT(%): 1 CHANNEL PROFILE: A B (C) D E F

CHANNEL PATTERN: single mult (braided)

STREAM SUBSTRATE : (rank three most predominant types) BEDROCK ___ BOULDER ___ RUBBLE ___ COBBLE ___ GRAVEL ___ SAND 2 MUD/SILT 1 ORGANICS 3 OTHER: _____

STREAM COVER TYPE: ORGANIC DEBRIS ✓ DEAD BRANCHES/TWIGS ✓ LOGS ___ BOULDERS ___ CUT BANK ✓ OVERHANGING VEGET. ✓ OTHER: _____

STREAM COVER ABUNDANCE: none low (medium) high

RIPARIAN VEGETATION (three most abundant plants in order of dominance) within 20m of the banks:

OVERSTORY: COTTONWOOD SPRUCE
UNDERSTORY: WILLOW GRASS ALDER

CANOPY ABOVE STREAM: none low (medium) high

GROWTH: mature (secondary) shrubs meadow muskeg intertidal

TOTAL BARRIER? (y) n BARRIER TO SPECIES: ALL (adults) juveniles

TYPE: (fall) slide beaverdam logjam spring substrate HEIGHT (m): 2 DIST. FROM UPPER EXTENT (m): 0

PHOTO ROLL(s): HOMER-03 VIDEO TAPE(s): _____

FRAME	DESCRIPTION	DATE	DESCRIPTION
27	Midsegment		

Substrate: Bedrock (solid) Boulder >1' Rubble 6-12" Cobble 2-6" Gravel .1-2" Sand <.1"

(Please enter comments on the other side)

FIELD DATA: CATCH INFORMATION

SITE LOCATION	SITE DESCRIPTION
Port Graham Logging Roads	upstream + downstream of culverts/bridge pools, riffles
DATE	**APPROXIMATE TIME**
8/7/14	10 AM

	WATER TEMPERATURE		SPECIFIC WATER CONDUCTIVITY	
sites	11) 5.4°C	14) 8.9°C	11) 78u	14) 79u
	12) 9.5°C	15) 9.5°C	12) 81u	15) 49u
	13) 9.7°C		13) 74u	

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

500V-600V 30 HZ 25% DC

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

	VOLTAGE SETTING	CATCH RESULTS	FISH REACTION	THRESHOLD?
site 11	500V	6 DV ~30mm; 4 Chum ~15mm 3 coho ~ 40mm	good recovery	YES
site 12	500V	up 2 coho ~ 65mm; 1 coho ~ 35mm	good recovery	yes
		down 1 coho ~ 35mm; 1 DV ~ 40mm	good recovery	yes
te 13	500V	2 coho ~ 50mm	good recovery	Yes
te 14	600V	2 coho ~ 50mm	good recovery	yes
te 15	600V	13 coho ~ 30mm 2 DV ~ 40mm	good recovery	yes

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

None

** addition stream 241-20-10550-2023

* back-up stream 241-20-10550-2021

* extend stream 241-20-10550-20

* extend stream # 241-20-10550-2040

stream # 241-20-10550-2048 * extend

MISC NOTES

site 11) N 59 18 07.6 (59.302111)
W -151 42 01.1 (-151.700305)

site 12) N 59 1809.3 (59.302583)
downstream W -151 4221.5 (-151.705972)
upstream N 59 18 09.5 (59.302638)
W -151 42 22.0 (-151.70611)

site 13) N 59 18 13.5 (59.30375)
W -151 43 11.9 (-151.719972)

site 14) N 59 17 48.8 (59.29688)
W -151 41 17.2 (-151.68811)

site 15) N 59 17 58.7 (59.299638)
W -151 40 59.6 (-151.683222)

OPERATOR/CREW

Patti Berkhahn - Leader
Hans Rinke (ADNR-Forestry)
Joel Nudelman (ADNR-Forestry)