



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

Nomination Form
Anadromous Waters Catalog

MP/OB

Region Southcentral USGS Quad(s) Anchorage A-8 NE
 Anadromous Waters Catalog Number of Waterway 247-50-10050 - 2201
 Name of Waterway North Branch of the South Fork of Chester Creek USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>08-247</u>	<u>[Signature]</u> Fisheries Scientist	<u>10/6/08</u> Date
Revision Year: <u>2009</u>	<u>[Signature]</u> Habitat Operations Manager	<u>10/6/08</u> Date
Revision to: Atlas _____ Catalog _____ Both <input checked="" type="checkbox"/>	<u>[Signature]</u> AWC Project Biologist	<u>9/18/08</u> Date
Revision Code: <u>A-2</u>	<u>[Signature]</u> Cartographer	<u>11/24/08</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho Salmon	9/3/2008		X		<input checked="" type="checkbox"/>
Dolly Varden	9/3/2008			X	<input type="checkbox"/>
Sculpin	9/3/2008			X	<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

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: Add new stream w/ coho salmon rearing 247-50-10050-2201
 Nominated stream was diverted in a culvert from its natural alignment by AKDOT in the 1970's and connected to the south fork at the intersection of Muldoon and Debarr roads. The sampled reach also passes through several smaller culverts and pipes. Sampling sites were located near the inlet where the stream enters the pipe that runs under Muldoon Road, upstream to the east of Muldoon Elementary School near the Fort Richardson boundary. The creek was sampled on 09/03/2008 using seven baited minnow traps that had soaked for approximately 24 hours. Captured fish included 13 coho salmon (fork lengths ranging from 79mm to 116mm), 13 Dolly Varden (fork lengths ranging from 89mm to approximately 170mm), and two sculpin (total lengths of 74mm and 105mm). Coordinates (Lat,Long) of the site furthest upstream where fish (all three species) were captured are 61.218, -149.716. A trip report and several photographs are also being submitted with this nomination.

Name of Observer (please print): James Bales, Habitat Biologist II
 Signature: [Signature] Date: 9/4/2008
 Agency: ADF&G, Division of Habitat
 Address: 333 Raspberry Road
Anchorage, AK 99518

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: _____ Date: _____ Revision 05/08
 Name of Area Biologist (please print): _____

Fish Sampling Data - 09-03-2008
North Branch of the South Fork of Chester Creek
Baited Minnow Traps soaked approximately 24 hours

Site 1

Species	Fork Length (mm)	Site	Number of Fish Captured		
			Coho Salmon	Dolly Varden	Sculpin
Dolly Varden	122	1	0	6	0
Dolly Varden	118	2	5	4	0
Dolly Varden	89	3	1	0	1
Dolly Varden	133	4	3	0	0
Dolly Varden	114	5	2	1	0
Dolly Varden	126	6	2	2	1
		7	0	0	0

Site 2

Species	Fork Length (mm)	Total	Coho Salmon	Dolly Varden	Sculpin
Dolly Varden	170				
Dolly Varden	137				
Dolly Varden	138				
Dolly Varden	118				
Coho Salmon	109				
Coho Salmon	104				
Coho Salmon	114				
Coho Salmon	89				
Coho Salmon	92				
			13	13	2

Site 3

Species	Fork Length (mm)
Sculpin	105
Coho Salmon	79

Site 4

Species	Fork Length (mm)
Coho Salmon	116
Coho Salmon	112
Coho Salmon	93

Site 5

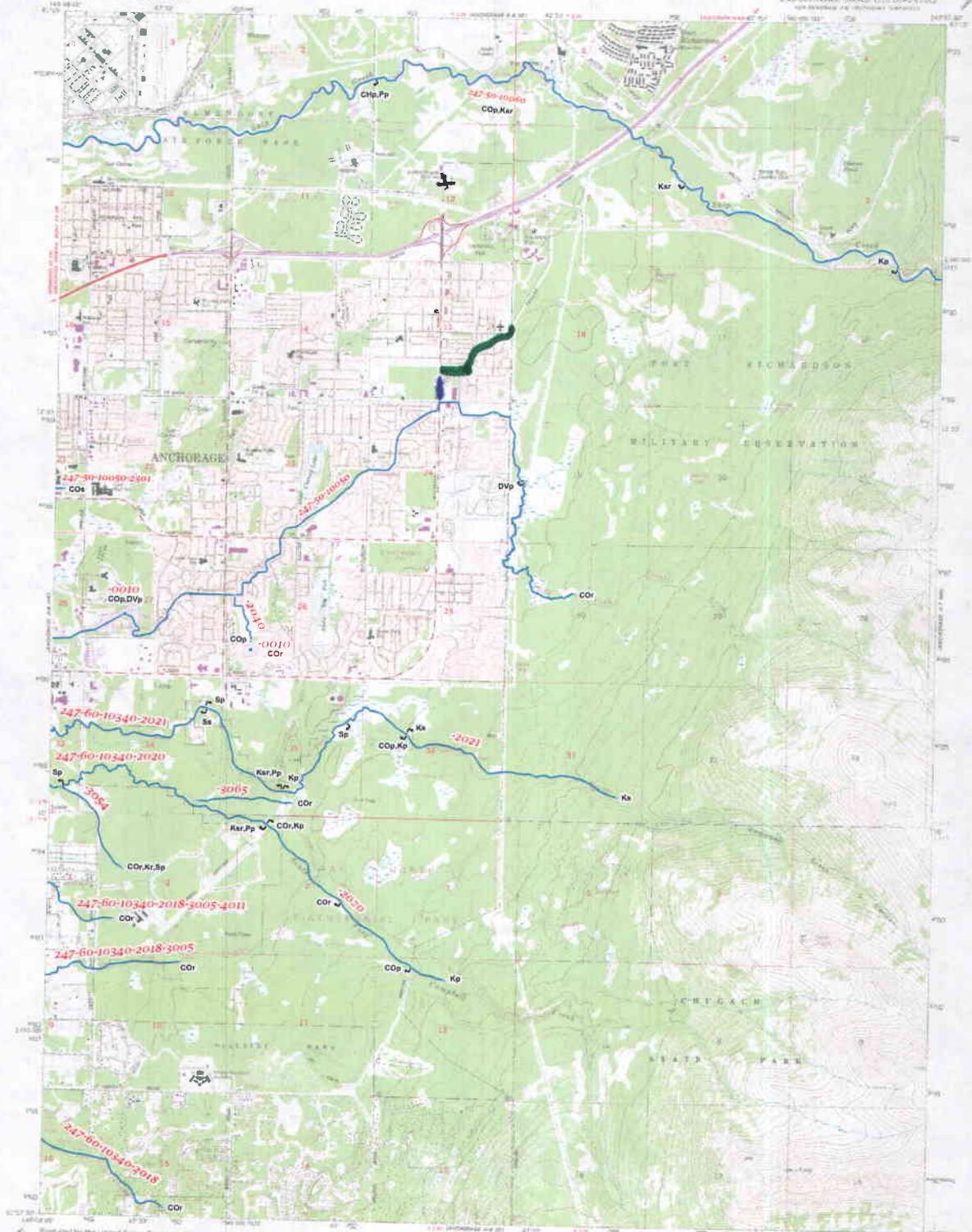
Species	Fork Length (mm)
Dolly Varden	170
Coho Salmon	89
Coho Salmon	80

Site 6

Species	Fork Length (mm)
Dolly Varden	124
Dolly Varden	107
Sculpin	74
Coho Salmon	103
Coho Salmon	108

Site 7

Species	Fork Length (mm)
No Fish Captured	



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- Lower/Upper Pair of Stream**
 • Mainstem Stream (dashed line)
 • Short Stream (dotted line)
 • Lake
 • Barrier
- Stream Codes**
 CH chin salmon
 P pink salmon
 S sockeye salmon
- LIFE STAGE CODES**
 p Present
 m Migration
 r Rearing
 s Known Spawning

- SPECIES CODES**
 AC Arctic char
 AL Arctic loach
 AW Arctic whitefish
 BW Bering charr
 CT cutthroat trout
 DV Dolly Varden
 HW humpback whitefish
 LC least charr
 LP lamprey, undifferentiated
 LV river lamprey
 DL longfin shiner
 DM longnose smallmouth
 CU cujus
 PC Pacific lamprey
 SF inconnu (sheelin)
 SH sheefish trout
 SM smelt, undifferentiated
 ST sturgeon, undifferentiated
 W whitefish, undifferentiated



Fish Distribution Database Atlas
 Quad No. 058
Anchorage
A-8 NE
 Produced by
 State of Alaska
 Department of
 Fish and Game

No
Fish
Captured
at
site
7



Google

©2008 Tele Atlas

61°12'55.70" N 149°43'30.79" W

elev 80 m

Oct 2002

Eye alt 863 m



-149.716, 61.218

-149.716, 61.218

Add new stream
447.50 100000-220
at Lake Sima Perry

part of water body
under road pipe

CO-1



STATE OF ALASKA

SARAH PALIN, Governor

DEPARTMENT OF FISH AND GAME

DIVISION OF HABITAT

333 RASPBERRY RD.
ANCHORAGE, ALASKA 99518
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MEMORANDUM

TO: Mike Daigneault
Regional Supervisor
Division of Habitat

DATE: September 9, 2008

FROM: Jim Bales
Habitat Biologist
Division of Habitat

PHONE: (907) 267-2143

SUBJECT: Chester Creek
Trip Report

On September 2 and 3, 2008, I conducted fish sampling in the North Branch of the South Fork of Chester Creek, Anchorage. The North Branch was diverted into a culvert from its natural alignment in the 1970's and connected to the South Fork at the intersection of Muldoon and Debarr roads. The Anchorage Park Foundation is proposing to realign and restore a section of the South Branch of the South Fork of Chester Creek. The proposed stream realignment would require extending the North Branch culvert. The purpose of the visit was to document the presence/absence of fish in the North Branch.

Seven baited minnow traps were set between the culvert inlet at Muldoon Road upstream to the east of Muldoon Elementary School near the Fort Richardson boundary (Figure 1). Traps were set on the morning of September 2 and pulled about 24 hours later on the morning of September 3.

Catch included 13 coho salmon, 13 Dolly Varden, and two sculpin (Table 1; Figure 2). Coho salmon catches occurred in areas of pool habitat adjacent to vegetation (traps 2 through 6). Traps set in shallower, faster moving water caught no coho salmon (traps 1 and 7). No fish were captured in trap 7, which was set in a riffle.

The presence of coho salmon had not been previously documented in the North Branch.

Table 1. North Branch of Chester Creek catch data and fish lengths, September 3, 2008.

Site	Number of Fish Captured			Fork Length (mm)
	Coho Salmon	Dolly Varden	Sculpin	
1	0	6	0	Dolly Varden - 89, 114, 118, 122, 126, 133
2	5	4	0	Coho Salmon - 89, 92, 104, 109, 114 Dolly Varden - 118, 137, 138, 170
3	1	0	1	Coho Salmon - 79 Sculpin - 105
4	3	0	0	Coho Salmon - 93, 112, 116
5	2	1	0	Coho Salmon - 80, 89 Dolly Varden - 170
6	2	2	1	Coho Salmon - 103, 108 Dolly Varden - 107, 124 Sculpin - 74
7	0	0	0	NA
Total	13	13	2	NA



Figure 1. Approximate sampling locations at the North Branch of Chester Creek.



Figure 2. Coho salmon captured in trap 2 while sampling the North Branch of Chester Creek.