



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

Nomination Form  
Anadromous Waters Catalog

Region Southcentral USGS Quad(s) Anchorage A-8 NE NW

AWC Number of Water Body 247-50-10050-2301

Name of Water body Middle Fork Chester Creek  USGS Name  Local Name

Addition  Deletion  Correction  Backup Information

For Office Use

Nomination #	<u>15-652</u>	<u>James J. Harbrun</u>	<u>10/26/2015</u>
Revision Year:	<u>2016</u>	Fisheries Scientist	Date
Revision to:	Atlas _____ Catalog _____	<u>Michael A. [Signature]</u>	<u>10/26/15</u>
	Both <u>X</u>	Habitat Operations Manager	Date
Revision Code:	<u>A-1, B-6</u>	<u>[Signature]</u>	<u>9/18/15</u>
		AWC Project Biologist	Date
		<u>[Signature]</u>	<u>11 5/15</u>
		GIS Analyst	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho	06/06/2014		2		<input checked="" type="checkbox"/>
Dolly Varden	06/06/2014			many	<input type="checkbox"/>
					<input type="checkbox"/>
<u>Extend creek w/ coho salmon rearing</u>					<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

The Middle Fork Chester Creek was sampled by ADF&G Habitat biologist Jesse Coleman using minnow traps. The traps were baited with cured salmon roe and left to fish for 24 hours. The upstream most observation of juvenile coho was just downstream of Bragaw Street at (61.2023, -149.8087). Please see attached trip report for more details.

Name of Observer (please print): Jacob Cunha for Jesse Coleman

Signature: [Signature]

Agency: Alaska Department of Fish & Game

Address: 333 Raspberry Road  
Anchorage, AK 99518

Date: 9/18/2015

ALASKA DEPT. OF FISH & GAME  
SEP 18 2015

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 11/13

Name of Area Biologist (please print): \_\_\_\_\_

# MEMORANDUM

## State of Alaska

Department of Fish and Game  
Division of Habitat

TO: Michael Daigneault  
Regional Supervisor  
Central Region

DATE: June 16, 2014

PHONE NO.: 267-2812

FROM: Jesse Coleman *Jmc*  
Habitat Biologist  
Central Region

SUBJECT: Middle Fork Chester Creek  
AKSSF Fish Sampling

On the afternoon of Thursday June 5, 2014, I set minnow traps in the Middle Fork of Chester Creek for the purpose of sampling waters in the Municipality of Anchorage to document the presence of anadromous fish. The data collected will be used to submit official nominations for inclusion in the Anadromous Waters Catalog [AWC] and its companion Atlas. Inclusion in the AWC will afford protection to anadromous fish habitats under Alaska Statute (AS) 16.05.871.

I sampled the section of Middle Fork Chester Creek (AWC No. 247-50-10500-2301) between Russian Jack Springs Park at Pine Street and Nichols Street near E. Northern Lights Boulevard (see Trip Map). This section is upstream of the currently cataloged extent of anadromy. Beginning at the upstream end of the section sampled, the stream parallels Reka Drive and passes through multiple driveway culverts in front of two apartment complexes. There is a vertical drop into a storm drain system at the culvert inlet upstream of Russian Jack and Reka Drives that appears to be a barrier to upstream migration of both adult and juvenile anadromous fish (see Photo 2). Downstream of this culvert, the stream runs through a storm drain pipe to the west, turns south at Bragaw Street, and enters an open channel southwest of the intersection at Bragaw Street and 20<sup>th</sup> Avenue (see Photo 3). The stream flows west for about 0.2 miles, then enters another culvert at Nichols Street (see Photo 4) and flows south for 0.1 miles. From this point downstream to its confluence with mainstem Chester Creek, the Middle Fork is cataloged as coho salmon spawning habitat (see Photo 5).

I set two traps baited with cured salmon roe in the open channel of the stream between Nichols Street and Bragaw Street; one at the lower culvert inlet (Minnow Trap [MT]1; see Photo 4) and one at the upstream culvert outlet (MT2; see Photo 3). I set two more traps in the section between Russian Jack Drive and just upstream of the pedestrian bridge on the path that parallels Pine Street (MT3 and MT4; see Photo 1).

In the morning on Friday June 6, I retrieved the traps set the previous afternoon. In MT1 and MT2, I captured juvenile coho salmon and Dolly Varden (see Photo 6). Because there were only two salmon in each of these traps, I suspect that the larger Dolly Varden in the trap may have preyed upon the smaller coho salmon during the 24 h soak time. The observation of juvenile coho salmon in these traps will be the basis of a new nomination to the Anadromous Waters Catalog for coho salmon rearing in the creek. In MT3 and MT4, I captured large Dolly Varden (> 200mm FL). I searched for additional open-channel sections of the creek, including a branch contained in a storm drain pipe that

comes from the north, runs underneath Pine Street, and enters MF Chester Creek near MT4. I did not find any additional open sections.

cc: M. Marie, ADF&G  
A. Ott, ADF&G  
G. O'Doherty, ADF&G  
D. Bosch, ADF&G  
J. Cunha, ADF&G

enc: Trip Map  
Photos 1 – 6

Trip Map



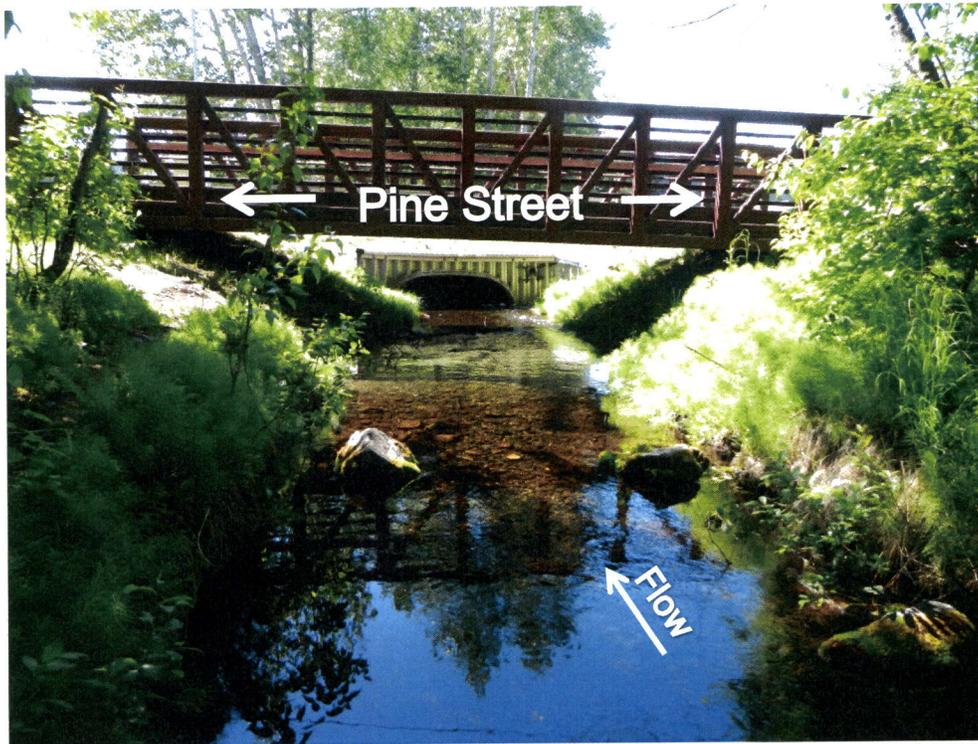


Photo 1. Middle Fork Chester Creek looking downstream at Pine Street culvert and pedestrian bridge. Photo was taken from location of Minnow Trap 4.



Photo 2. Middle Fork Chester Creek culvert under Russian Jack Drive. Flow drops into culvert below then into a storm drain pipe.



Photo 3. Middle Fork Chester Creek at Bragaw Street and 20<sup>th</sup> Avenue culvert looking upstream at outlet. Minnow trap 2 is located at the bottom left of the photo.

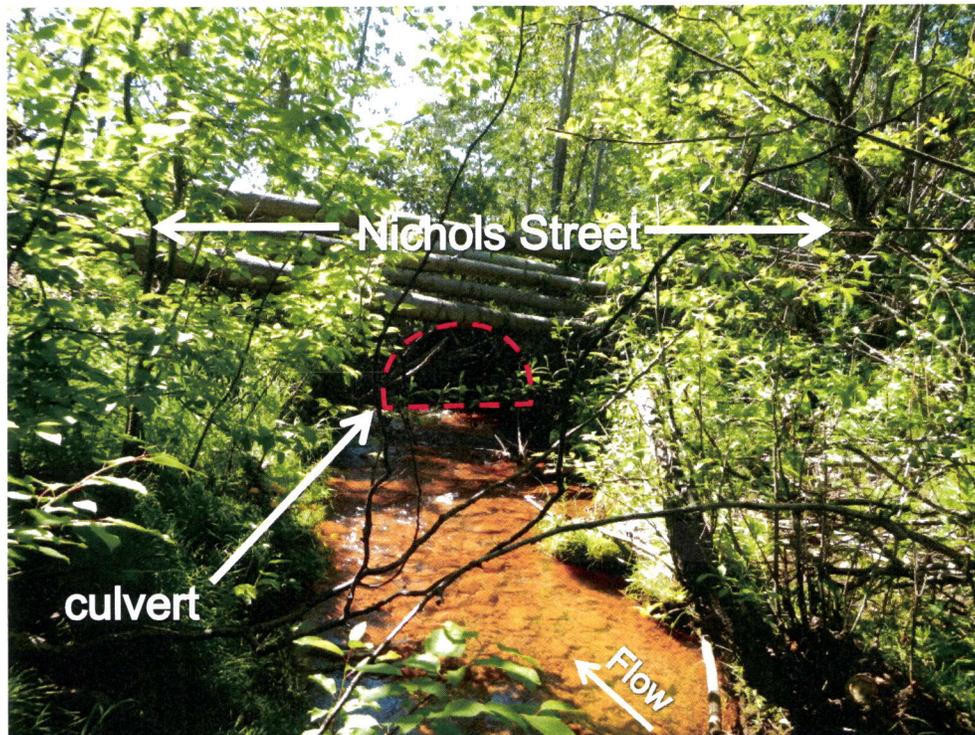


Photo 4. Middle Fork Chester Creek looking downstream at Nichols Street culvert inlet. Photo was taken from vicinity of Minnow Trap 1 location.

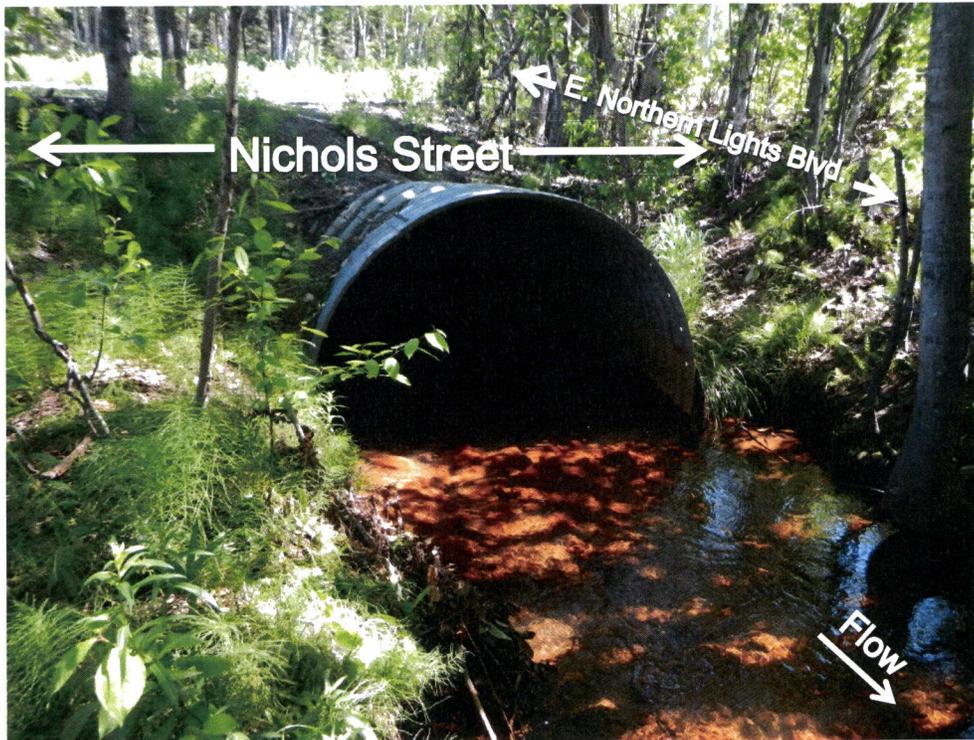
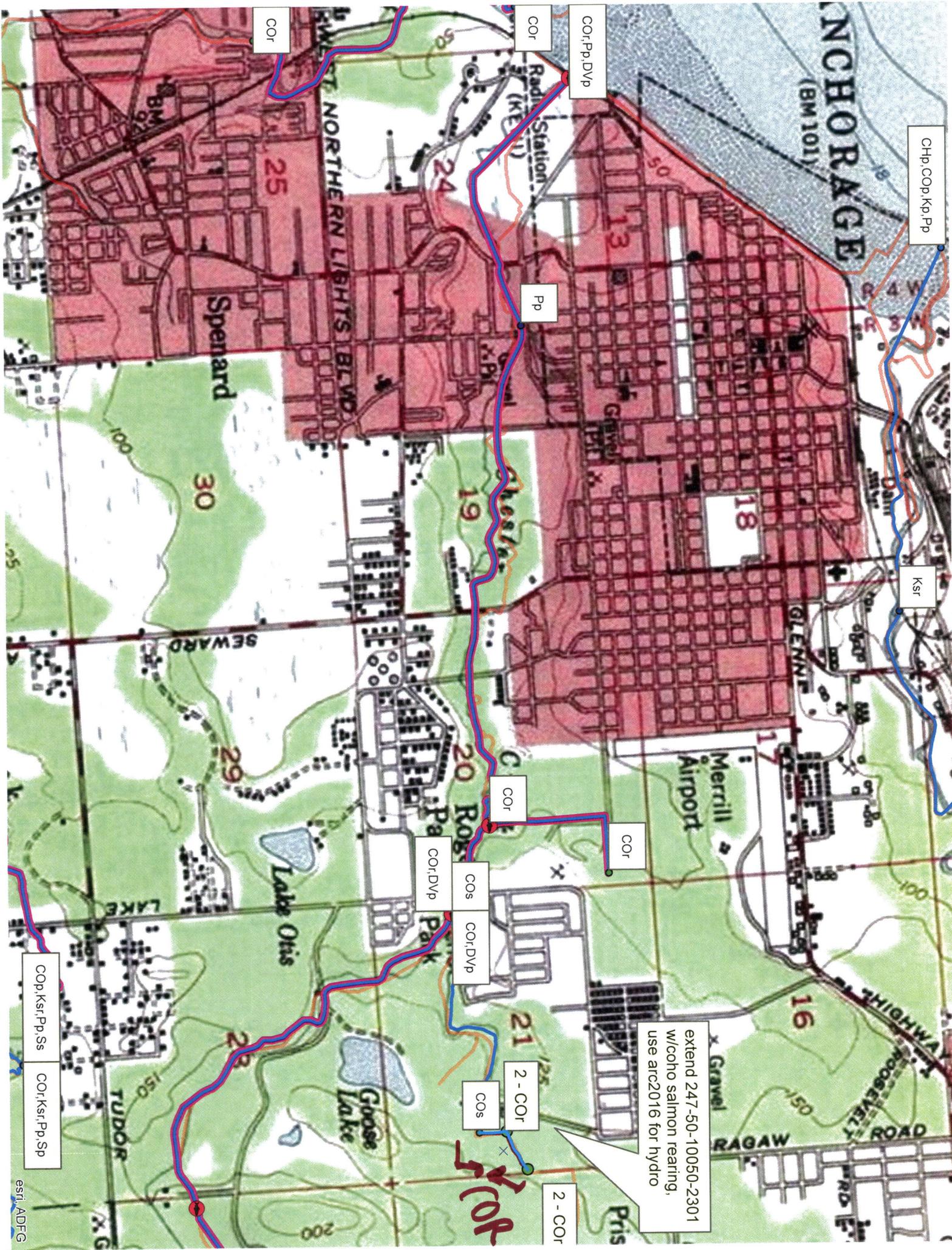


Photo 5. Middle Fork Chester Creek looking upstream at Nichols Street culvert outlet. The culvert demarcates the current extent of anadromy in the Anadromous Waters Catalog.



Photo 6. Juvenile coho salmon captured in Minnow Trap 1, just upstream of Nichols Street culvert inlet.



Chp, COP, Kp, Pp

COR, Pp, DVP

COR

COR

Ksr

Pp

COR

COR

COR, DVP

COS

COR, DVP

COP, Ksr, Pp, Ss

COR, Ksr, Pp, Sp

2 - COR

COS

2 - COR

extend 247-50-10050-2301  
w/coho salmon rearing,  
use arc2016 for hydro

*Kor*