



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

Nomination Form  
Anadromous Waters Catalog



Region Southcentral USGS Quad(s) Tyonek; B-2

AWC Number of Water Body 247-41-10200-2015-3019

Name of Water body Pierce Creek  USGS Name  Local Name

Addition  Deletion  Correction  Backup Information

For Office Use

Nomination #	<u>150074</u>	<u>James J. Hasbrouck</u> Fisheries Scientist	<u>5/8/2015</u> Date
Revision Year:	<u>2016</u>	<u>Michael J. A.</u> Habitat Operations Manager	<u>5/8/15</u> Date
Revision to:	Atlas _____ Catalog _____ Both <u>X</u>	<u>[Signature]</u> AWC Project Biologist	<u>4/21/15</u> Date
Revision Code:	<u>A-1, B-2</u>	<u>TA</u> GIS Analyst	<u>5/21/15</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho Salmon	9/22/2014		N = 40		<input checked="" type="checkbox"/>
Dolly Varden	9/22/2014			N = 25	<input checked="" type="checkbox"/>
Rainbow Trout	9/22/2014			N = 2	<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

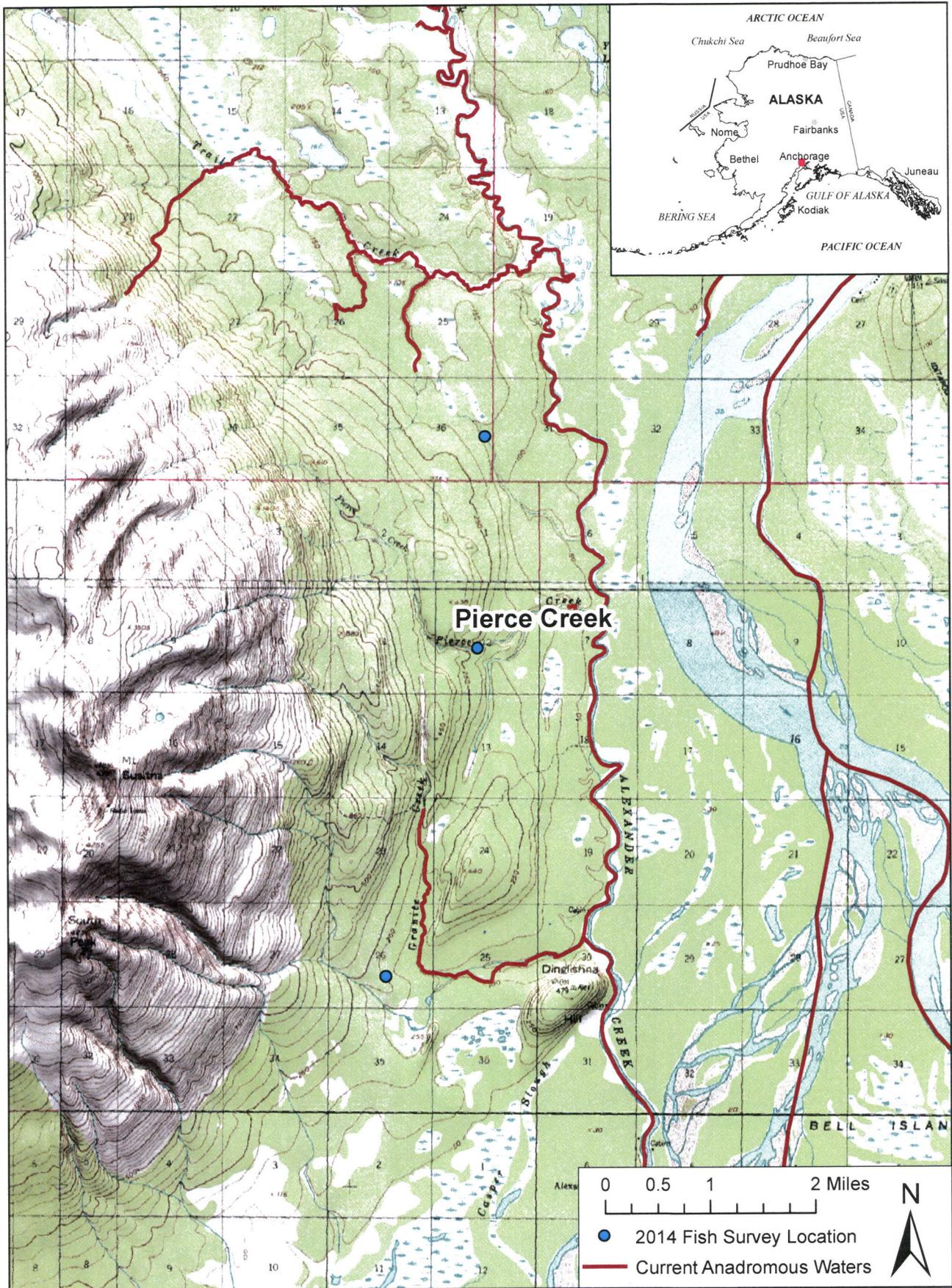
Extend creek w/ coho salmon rearing/ present

Name of Observer (please print): Kim A. Holmes  
 Signature: Kimberly Holmes  
 Agency: AECOM  
 Address: 700 G Street, Suite 500  
Anchorage, AK 99501

Date: 1/15/15  
**ALASKA DEPT. OF FISH & GAME**  
JAN 15 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): \_\_\_\_\_



**Photos of Anadromous Species Captured or Observed**

Name of Waterbody	Photo	Species
Pierce Creek		Coho Salmon ( <i>Onchorynchus kisutch</i> )
		Dolly Varden ( <i>Salvelinus malma malma</i> )

**Fish Sampling Methods and Fish Captured or Observed**

Name of water body	Latitude	Longitude	Datum	Method	Date	Observer name	Fish collection methods	Species	Total Fish Count
Pierce Creek	61.490326	-150.633117	NAD83	GPS	9/22/2014	Kim A. Holmes	Minnow Trap	Coho Salmon, Dolly Varden, Rainbow Trout	67

stream channel. Water chemistry data was collected at each site determined to contain fish habitat, as well as other observations and measurements of water, such as assessments of color, odor, and turbidity (Table 6).

### 3.4 STREAMS NOMINATED FOR ADDITION TO THE CATALOG OF ANADROMOUS WATERS

All of the 11 anadromous fish-bearing streams surveyed will be nominated for inclusion in ADF&G's *Catalog of Waters Important for the Spawning, Rearing or Migration of Anadromous Fishes*. Of these, eight will be new additions to the list and three will be extended reaches of previously documented salmon presence. Table 6 outlines the anadromous streams nominated for inclusion.

**Table 6. Streams Nominated for ADF&G Anadromous Waters Inclusion**

Feature ID	Name	MLRA	ADF&G Dataset Recommendation	ADF&G Documented Anadromous Species	Anadromous Species Captured
F57HT021 (NK122)	Little Coal Creek	Cook Inlet Mountains	Extended Reach (~0.1 mi)	Pink, Chum, Coho, and Chinook	Pink, Coho, and Chinook
F57HT018 (NK127)	Unnamed Tributary to Chulitna River	Cook Inlet Low lands	New addition	NA	Pink and Coho
F57HT019 (NK134)	Unnamed Tributary to Chulitna River	Cook Inlet Low lands	New addition	NA	Coho
F57HT024 (NK139)	Drywater Creek	Cook Inlet Low lands	Extended Reach (~0.2 mi)	Coho and Arctic Lamprey	Coho
F57TI003 (NK149.1)	Unnamed Tributary to Queer Creek	Cook Inlet Low lands	New addition	NA	Coho
F57TI002 (NK149.2)	Unnamed Tributary to Queer Creek	Cook Inlet Low lands	New addition	NA	Coho
F57TI006 (NK149.3)	Unnamed Tributary to Queer Creek	Cook Inlet Low lands	New addition	NA	Coho
F57TI009 (NK163)	Unnamed Tributary to Anderson Creek	Cook Inlet Low lands	New addition	NA	Coho
F57TI008 (NK166)	Unnamed Tributary to Alexander Creek	Cook Inlet Low lands	New addition	NA	Coho
F57TI010 (NK167)	Pierce Creek	Cook Inlet Low lands	Extended Reach (~1.2 mi)	Coho	Coho
F57TI011 (NK169)	Unnamed Tributary to Granite Creek	Cook Inlet Low lands	New addition	NA	Chinook

All of these streams had well-defined channel characteristics, flowing water at the time of survey and were rated as optimal fish habitat. Detailed field notes for each stream from, north to south, are provided in Table 7 below.

**Table 7. Nominated Streams Descriptions**

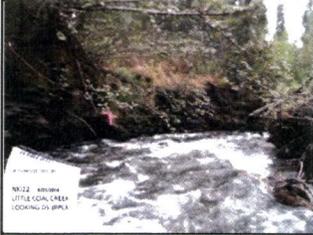
Photo	Site Identification	Description
	<p>Little Coal Creek F57HT021 (NK122)</p>	<p>Swift, bedrock confined stream with clear water flowing to the north. Rocky substrate with most juvenile salmonids caught in sandy eddy at north edge of construction corridor. Adult Pink salmon observed south of construction corridor.</p>
	<p>Unnamed Tributary to Chulitna River F57HT018 (NK127)</p>	<p>Clear water stream with gravel substrate flowing to the southwest crossing diagonally through construction corridor. Adult pink salmon observed swimming upstream and 2 carcasses found. Many juvenile Coho and Rainbow Trout observed throughout stream in many habitat types – riffles and pools, stretches with overhanging alder and undercut banks.</p>
	<p>Unnamed Tributary to Chulitna River F57HT019 (NK134)</p>	<p>Beaver dam controlled stream flowing to the east. Beaver dam about 150 feet downstream of pipeline crossing. Deep channel (unwadeable) with steep, mucky banks at pipeline crossing transitioning to shallow stream with gravel substrate downstream of pipeline crossing. Fish caught throughout.</p>
	<p>Drywater Creek F57HT024 (NK139)</p>	<p>Meandering stream with gravel substrate and tannic water flowing to the southeast through mixed forest with thick fern underbrush. Coho caught on southeast side of construction corridor.</p>
	<p>Unnamed Tributary to Queer Creek F57TI003 (NK149.1)</p>	<p>Meandering stream running to the northwest through in series of ponds and connecting streams. Pipeline crosses system in multiple places (including NK149.2 and 149.3). At pipeline crossing, shallow stream running through strip of mixed forest with cobble substrate and tannic water. Large pond just outside construction corridor to the northwest in scrub-shrub corridor.</p>
	<p>Unnamed Tributary to Queer Creek F57TI002 (NK149.2)</p>	<p>Meandering stream running to the north through scrub-shrub corridor in series of ponds and connecting streams. Pipeline crosses system in multiple places (including NK149.1 and 149.3). At pipeline crossing, shallow stream with sandy/silty substrate and brown water. Multiple split channels within construction corridor.</p>

Photo	Site Identification	Description
	<p>Unnamed Tributary to Queer Creek F57TI006 (NK149.3)</p>	<p>Meandering stream running to the west through scrub-shrub corridor in series of ponds and connecting streams. Pipeline crosses system in multiple places (including NK149.1 and 149.2). At pipeline crossing, large flooded area with deep main channel (unwadeable). Brown water and sandy/silty substrate.</p>
	<p>Unnamed Tributary to Anderson Creek F57TI009 (NK163)</p>	<p>Meandering, shallow stream running to the southeast through thick fern foliage with sandy substrate and silty/mucky banks. Series of torturous meanders, especially south of pipeline crossing.</p>
	<p>Unnamed Tributary to Alexander Creek F57TI008 (NK166)</p>	<p>Series of beaver-dams upstream and downstream of pipeline crossing with large flooded area at centerline (unwadeable). Flooded areas converge downstream of construction corridor to shallow stream with clear water and sandy/gravel substrate.</p>
	<p>Pierce Creek F57TI010 (NK167)</p>	<p>Stream with clear water running to the northeast through construction corridor at bottom of small valley through mixed forest. Cobble and gravel substrate with weathering rock formation and fallen cottonwoods and pipeline crossing.</p>
	<p>Unnamed Tributary to Granite Creek F57TI011 (NK169)</p>	<p>Stream with clear water and cobble/boulder substrate running southeast through mixed forest. Small tributary running about 300 feet south of stream and lake about 200 feet north of stream. ATV trail and bridge at site.</p>

