



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

Nomination Form
Anadromous Waters Catalog

M

Region Southwest USGS Quad(s) Kodiak D-2 SW
 Anadromous Waters Catalog Number of Waterway 259-21-10120-2011
 Name of Waterway Battery Creek USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>130210</u>	<u>[Signature]</u> Fisheries Scientist	<u>10/27/13</u> Date
Revision Year: <u>2014</u>	<u>[Signature]</u> Habitat Operations Manager	<u>10/24/13</u> Date
Revision to: Atlas _____ Catalog _____ Both <u>X</u>	<u>[Signature]</u> AWC Project Biologist	<u>10/11/13</u> Date
Revision Code: <u>A-1, B-2, B-6</u>	<u>[Signature]</u> Cartographer	<u>11/6/13</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho Salmon 4	9/13/2013		X		<input checked="" type="checkbox"/>
Pink Salmon 25	9/13/2013	X			<input type="checkbox"/>
					<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:
 I set a baited minnow trap in Battery Creek. The trap captured juvenile coho salmon. I observed pink salmon above the specified reach (Figures 1 and 2). September 12 and 13, 2013 trip report.
Extend stream w/coho salmon rearing | present and pink salmon spawning | present
 ALASKA DEPT. OF FISH & GAME
 SEP 25 2013

Name of Observer (please print): Will Frost, Habitat Biologist
 Signature: [Signature] Date: 9/23/2013
 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): _____

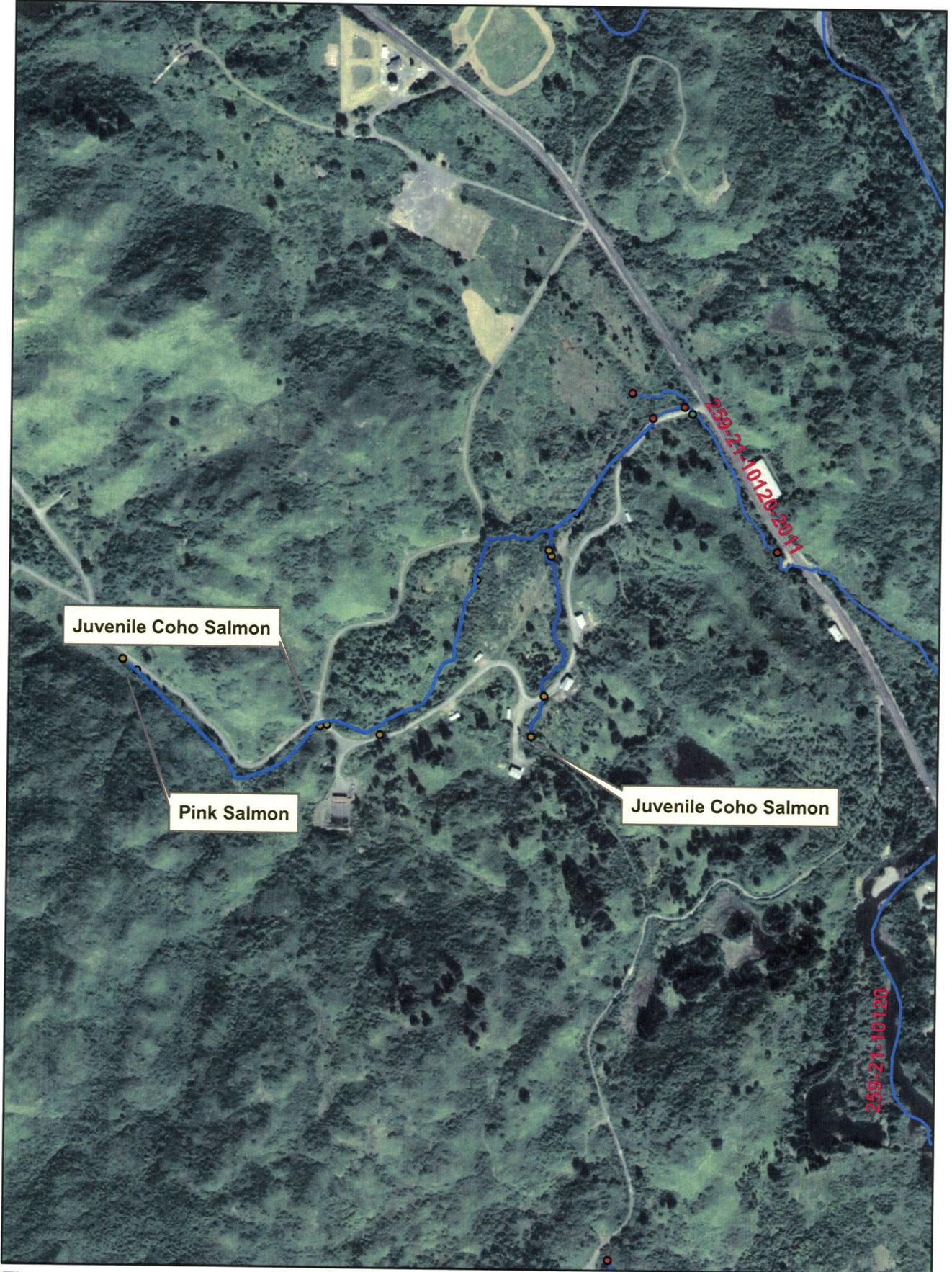


Figure 1



ADF&G

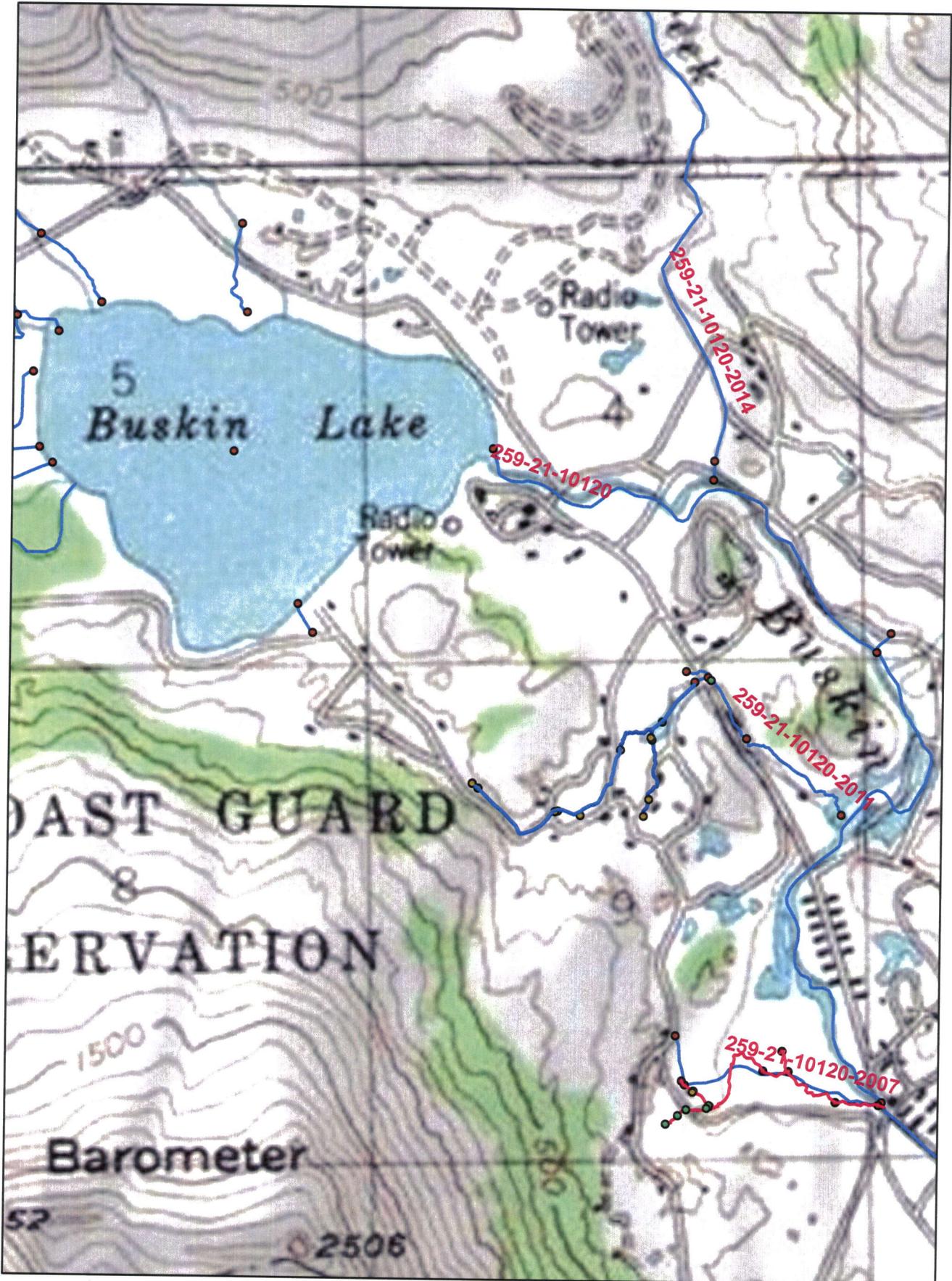


Figure 2

0 0.1 0.2 0.3 0.4
Miles

ADF&G

MEMORANDUM

State of Alaska

Department of Fish and Game
Division of Habitat

TO: Michael Daigneault
Central Region
Regional Supervisor

DATE: September 25, 2013

PHONE NO: 267-2813

FROM: Will Frost *WF*
Habitat Biologist

SUBJECT: U.S. Coast Guard Survey: Kodiak Island
September 2013

On September 12 and 13, 2013, I joined Blyth Brown, Kodiak Soil and Water Conservation District on Kodiak Island for the purpose of sampling waters on U.S Coast Guard land to document the presence of anadromous fish. The information gathered will be used to submit official nominations for inclusion in the Anadromous Waters Catalog and its companion Atlas. A water body listed in the Anadromous Waters Catalog is afforded protection under State law at AS 16.05.871. The weather conditions were cloudy and cool.

On the morning of September 12, we drove to "Holiday Beach" (Happy Beach, U.S. Geologic Survey Map) (Figure 1). Two streams are located near the beach. We began sampling the first stream ("Holiday Creek") where the creek enters Middle Bay (Figure 2). We used an electrofisher to sample the stream for the presence of juvenile fish (Figure 3). We captured about 10 Dolly Varden. About 500 linear feet above the stream mouth we observed about 200 adult pink salmon spawning throughout the reach. Because of the presence of adult pink salmon, we stopped using the electrofisher. About 300 linear feet below the Chiniak Highway we located a concrete box in the stream that may date from the WW II era, containing abandoned power cables (Figures 4 and 5). No adult salmon were observed above the box. The box is a barrier to fish passage. We were able to remove the accumulated woody debris and stream substrate from behind the barrier to temporarily restore fish passage. The Alaska Department of Fish and Game (ADF&G) will require the U.S. Coast Guard to remove the barrier in a timely manner. We walked up to the Chiniak Highway and located twin 5-foot diameter culverts located under the highway (ADF&G, KOD05-CR25) (Figure 6). The culverts may be a barrier to fish passage. We ended our survey at the culverts. Holiday Creek will be nominated to the Anadromous Waters Catalog.

We walked to the north end of Holiday Beach to an unnamed stream. We conducted a foot survey to determine if adult salmon were present in the stream (Figure 7). We began the survey at the beach and walked upstream to the Chiniak Highway. We observed 5 anadromous Dolly Varden in the lower reach. We estimated the length of the Dolly Varden were about 300-350 mm fork length. We observed about 15 adult pink salmon spawning throughout the stream. We ended our survey at the 9-foot diameter culvert located under the Chiniak Highway (ADF&G,

KOD05-CR27) (Figure 8). The culvert may be a barrier to fish passage. The unnamed stream will be nominated to the Anadromous Waters Catalog.

On the morning of September 13, I drove to Battery Creek (Stream No. 259-21-10120-2011). I conducted a foot survey to determine if adult salmon were present above the specified reach of Battery Creek. I observed adult pink salmon spawning throughout the reach, up to about 3,500 linear feet above the specified reach. I set one baited minnow trap about 3,000 linear feet above the specified reach. The trap soaked about one hour and captured 4 juvenile coho salmon.

While conducting the foot survey, I identified a perched 38-inch diameter culvert located in a tributary to Battery Creek. The culvert is a barrier to fish passage (Figure 9). Further upstream, I located twin wood stave 32-inch diameter culverts that may be a partial barrier to fish passage (Figure 10). The culverts are located under the U.S. Coast Guard Battery Road. The ADF&G recommends the culverts be removed and replaced with culverts designed for fish passage. The pink salmon and coho salmon will be nominated for update to the Anadromous Waters Catalog.

I located an unnamed tributary to Battery Creek that flows under the Battery Road through a 24-inch diameter culvert (Figure 11). I set two baited minnow traps above the road. The traps soaked about one hour and captured 10 juvenile coho salmon. The culvert may be a partial barrier to fish passage. The ADF&G recommends the culvert be removed and replaced with culvert designed for fish passage. The unnamed tributary will be nominated to the Anadromous Waters Catalog.

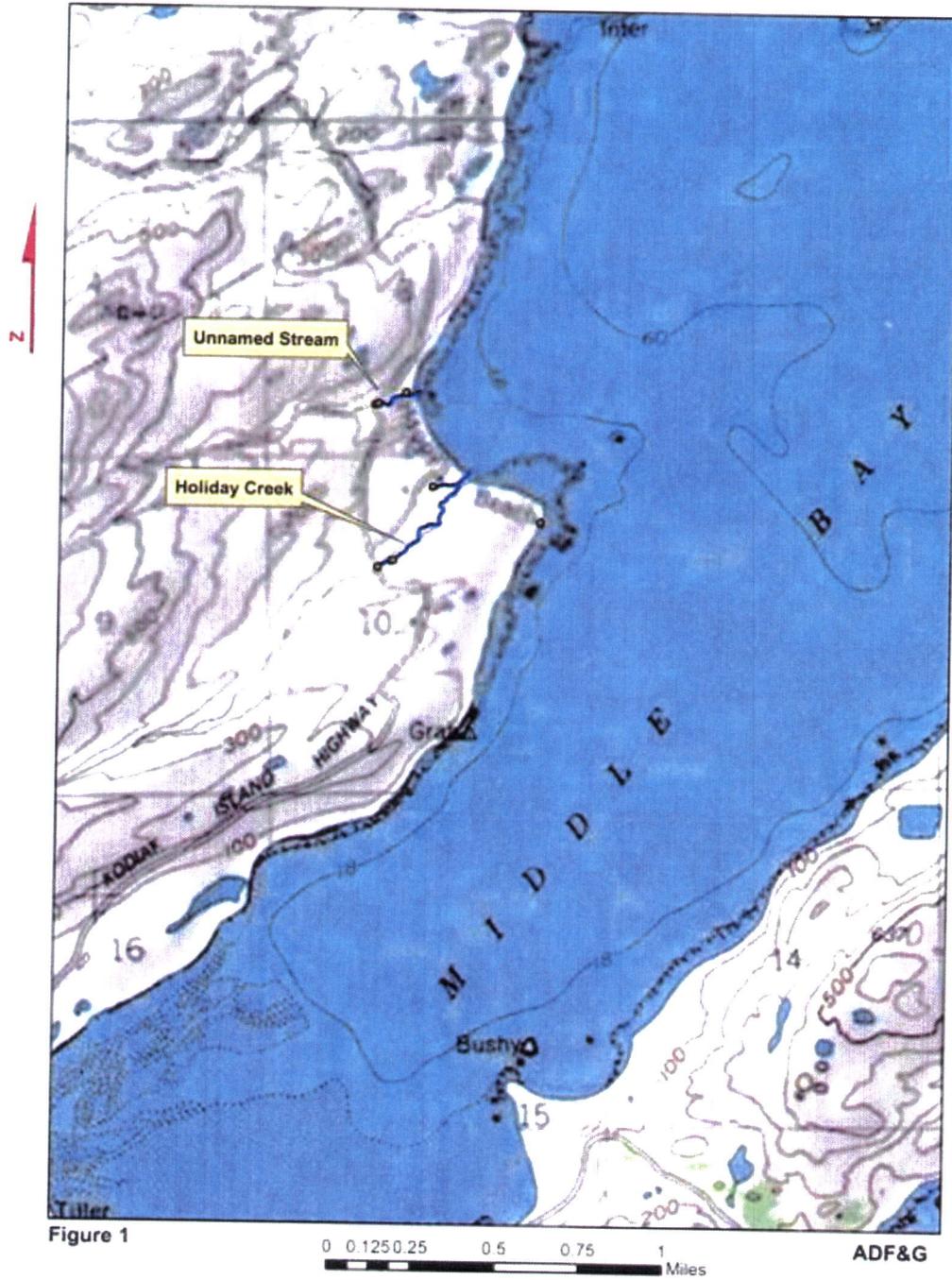


Figure 1

0 0.125 0.25 0.5 0.75 1 Miles

ADF&G



Figure 2. Holiday Creek outlet.



Figure 3. Will Frost, Habitat Biologist sampling Holiday Creek.



Figure 4. Concrete box located in Holiday Creek. View looking upstream.



Figure 5. Concrete box located in Holiday Creek. View looking upstream.



Figure 6. Culverts KOD05-CR25 located in Holiday Creek.



Figure 7. Blyth Brown, Kodiak Soil and Water Conservation District walking in unnamed stream.

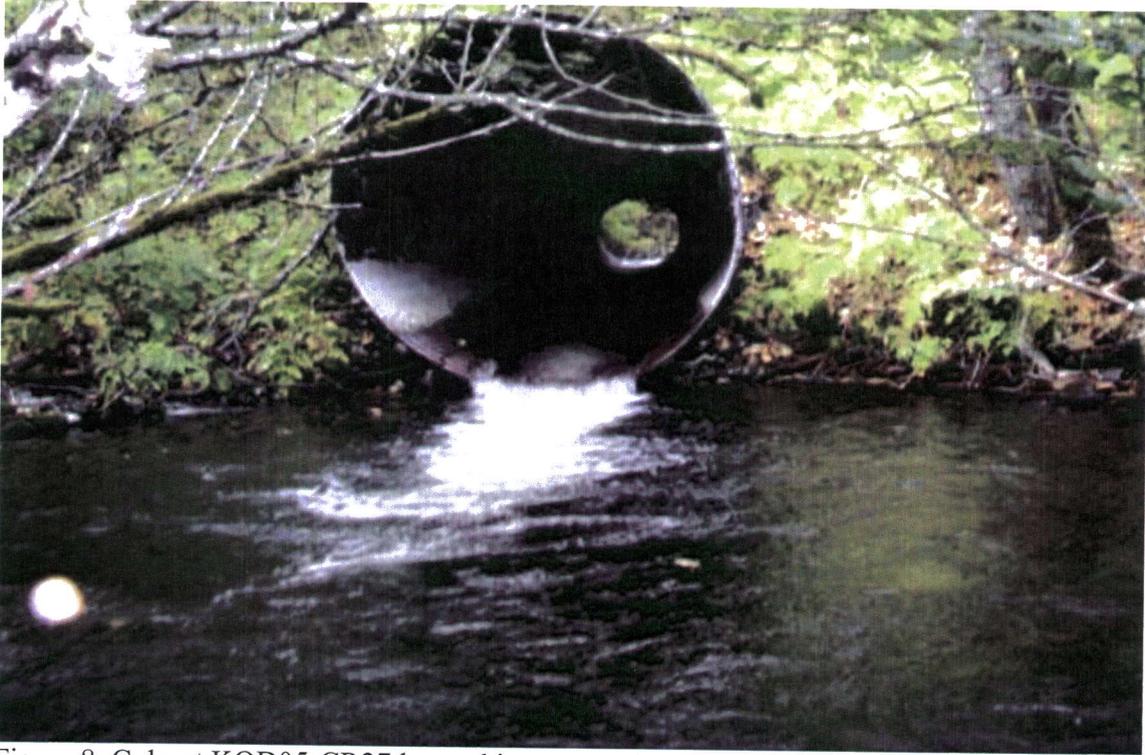


Figure 8. Culvert KOD05-CR27 located in unnamed stream. View looking upstream.



Figure 9. Culvert located in a tributary to Battery Creek. View looking upstream.



Figure 10. Twin wood stave culverts located in Battery Creek. View looking downstream.



Figure 11. Culvert located in tributary to Battery Creek. View looking downstream.

cc: S. Schrof, ADF&G
L. Van Daele, ADF&G
N. Svoboda, ADF&G
D. Tracy, ADF&G
T. Polum, ADF&G
A. Ott, ADF&G
G. O'Doherty, ADF&G
B. Cassidy, KIB
B. Scholze, KIB
E. DeNoyelles, USCG
F. Miller, USCG
P. Janke, ADOT&PF
B. Brown, KSWCD

extend 259-21-10120-2011 w/coho salmon rearing
& pink salmon spawning/present
use arc2014 & noms/frost/9.8.01/9.8-20.shp for hydro

