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

**Nomination Form**
**Anadromous Waters Catalog**

Region: Southcentral

USGS Quad(s): Seward D-6

Anadromous Waters Catalog Number of Waterway: 247-60-10220- 2031- 0010

Name of Waterway: Portage Island Pond ☐ USGS Name ☑ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

| | | |
|---|---|---|
| Nomination # 11-400 | | |
| Revision Year: 2012 | Fisheries Scientist | 10/14/11 Date |
| Revision to: Atlas ____ Catalog ____ Both X | Habitat Operations Manager | 10/14/11 Date |
| | AWC Project Biologist | 9/28/11 Date |
| Revision Code: A-2d, A2 | Cartographer | 11/14/11 Date |

OBSERVATION INFORMATION

| Species | Date(s) Observed | Spawning | Rearing | Present | Anadromous |
|---|---|---|---|---|---|
| Juvenile Coho | 2008 | | X | | ☑ |
| Juvenile Sockeye | 2008 | | X | | ☑ |
| Dolly Varden | 2008 | | | 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.

**Co mments:** add stream w/ coho and sockeye salmon present

In 2007, the U.S. Forest Service used heavy equipment to excavate 10,000 to 12,000 cubic yards of material from Portage Island Pond increasing the pond depth to 4-7 feet and the surface area to 3 acres. A channel connecting the pond to Portage Creek was also excavated (Figures 1 and 2). This channel is 2-3 ft wide and 1-2 ft deep and is groundwater fed from the pond. add lake w/ coho and sockeye salmon REARING

See attached 2008 U.S. Forest Service fish sampling results.

Name of Observer (please print): Will Frost, Habitat Biologist

Signature: _____ Date: 9/29/2011

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 2**

**ADF&G**

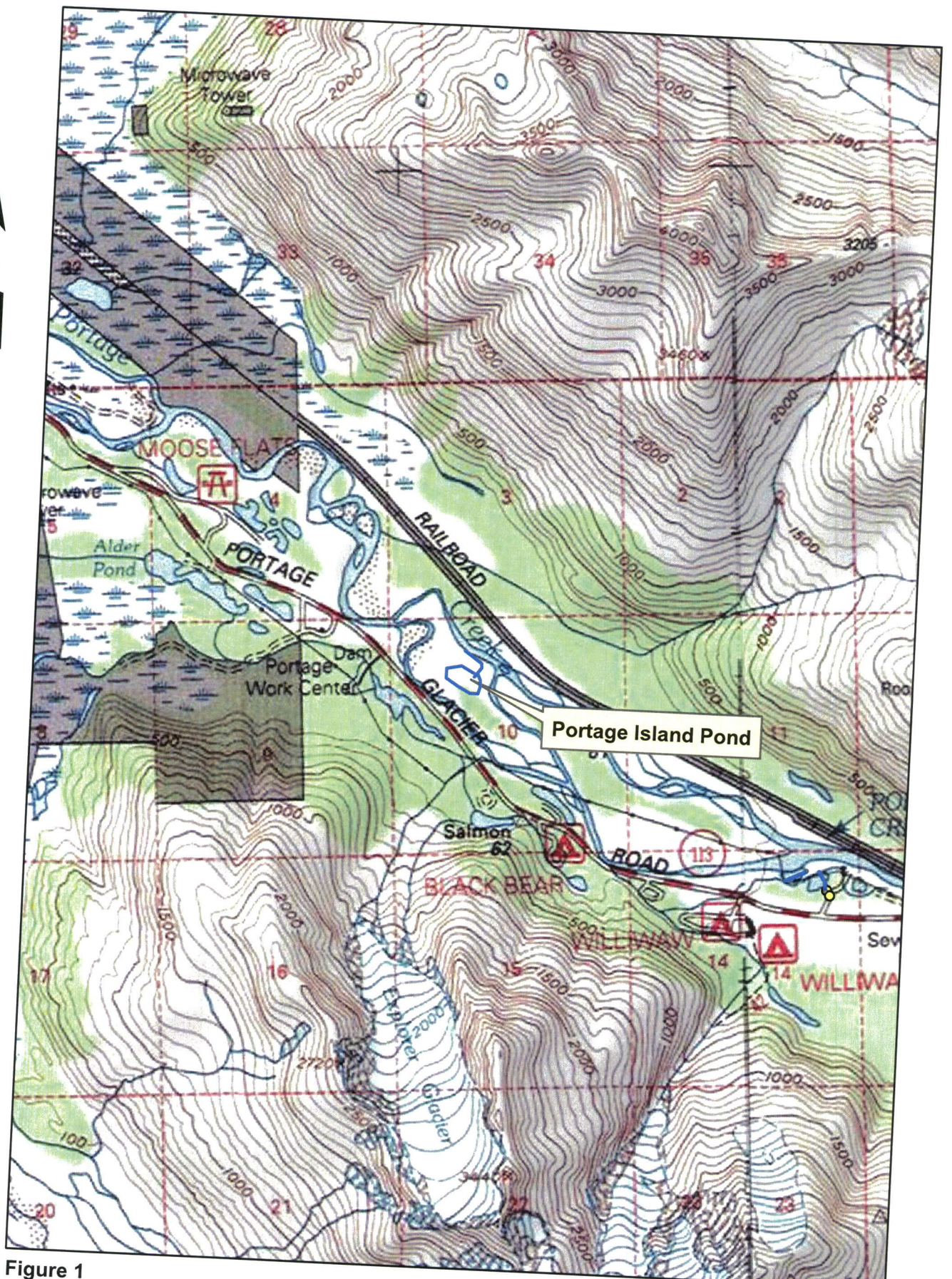



Figure 1

0 0.2 0.4 0.8 1.2 1.6 Miles

ADF&G

**Glacier District Portage Island Pond Monitoring (WC I8 - Information)**
**Glacier Ranger District**
**Chugach National Forest**
**USDA Forest Service, Alaska Region**
**for Fiscal Year 2008**

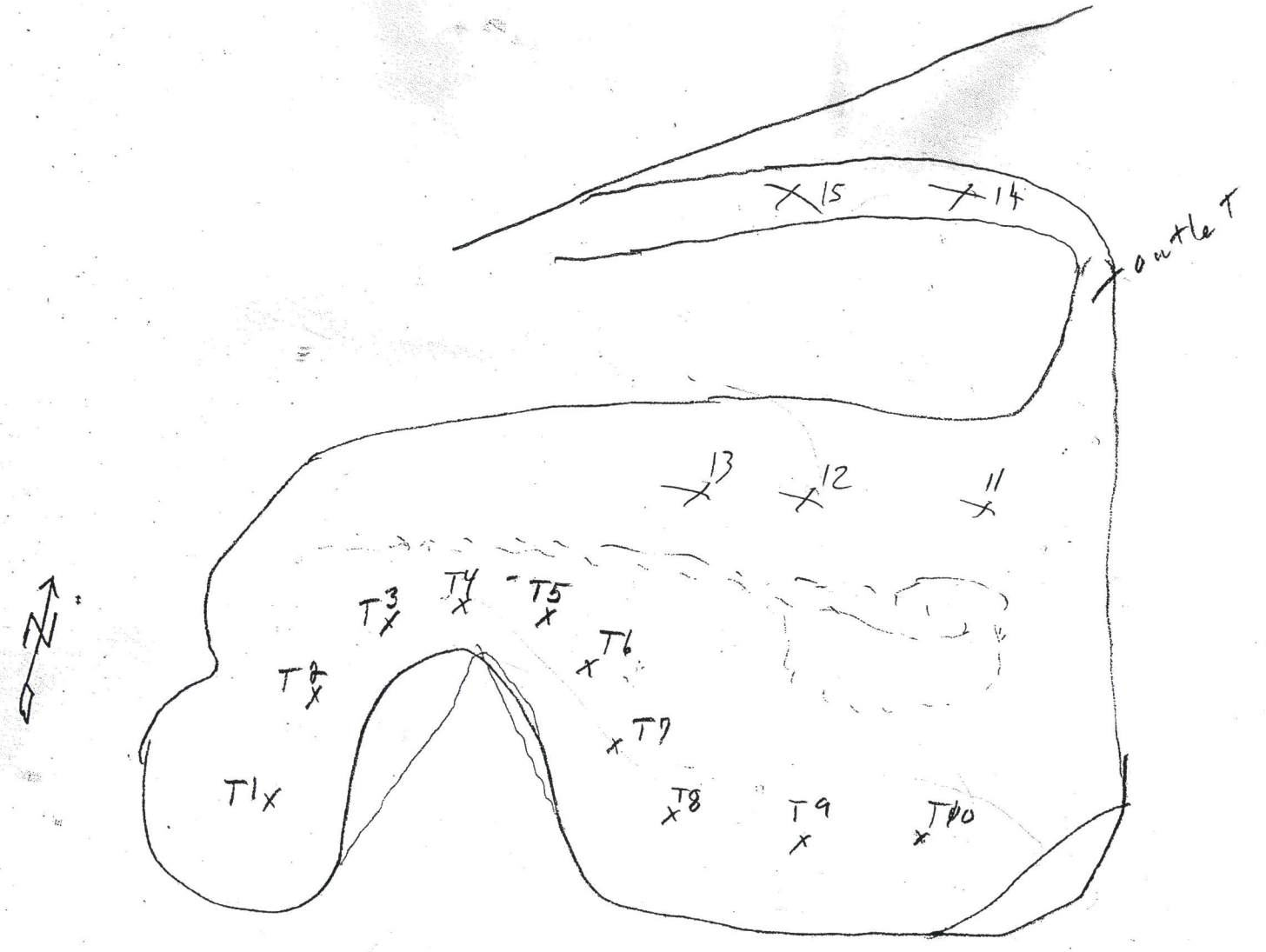
**Objective/Purpose of Project:** In 2007, the Glacier Ranger District completed a project that increased the size, deepened, and provided an access channel to Portage Creek for a previously land-locked pond in Portage Valley. The goal for that project was to provide additional off-channel summer and winter rearing habitat for anadromous fish in the Portage Creek watershed. The purpose of our monitoring efforts in 2008 was to determine if juvenile fish from Portage Creek were utilizing this new pond and if the pond could support them through the winter. Based on these results, we will determine if the desired conditions exist or if modifications need to be considered.

**Methods or Techniques Used:** Minnow traps were placed in predetermined locations throughout the pond in the summer and winter months. These locations were identified on aerial photos so they could be placed in the approximate same location with each sampling effort. Traps were allowed to set for approximately 24 hours. Each trap was baited with iodine-soaked salmon roe. Species were identified, measured, and enumerated.

**Realized/Expected results:** Minnow traps were set in January, March, June, and September of 2008. Because the pond only had sticklebacks in it prior to modifications, it was easy to determine that juvenile salmon and char were able to find the pond and were utilizing it. Coho and sockeye salmon, Dolly Varden char, and stickleback were captured in the traps. A total of 140 coho salmon were captured and ranged in length from 54 mm to 151 mm (mean length – 97 mm). A total of 26 Dolly Varden char were collected and ranged in size from 74 mm to 151 mm (mean length – 114). A total of 15 sockeye salmon were collected and ranged in length from 61 mm to 87 mm (mean length – 87 mm). Water quality measurements taken in the winter indicated the DO was lower than optimal but juvenile fish were captured and appeared to be in good condition.

**Contact Person and telephone number:** Thor Eide (907) 783-3242

Portage Island Pond




T = Temp


CHp,COp,Sp
Add new stream 247-60-10220-2031 w/ coho and sockeye
CCP
SP
Add lake 247-60-10220-2031-
247-60-10220-2027
2010 w/sockeye and coho
CCP
SP
10