State of Alaska
Department of Fish and Game
Habitat and Restoration Division

Nomination for Waters Important to Anadromous Fish

Region: SOUTHCENTRAL ▼ USGS Quad: Seward A-4

Anadromous Water Catalog Number of Waterway: 226-50-16101

Name of Waterway: Watershed to Puffin Cove ☐ USGS Name ☐ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination # 01 069		
Revision Year: 2001	Regional Supervisor	11/6/01 Date
Revision to: Atlas ____ Catalog ____ Both X	AWC Project Biologist	11/6/01 Date
Revision Code: B-1 D-2	Drafted	12/21/01 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho Salmon	8/6/00		x		☐
Dolly Varden	8/6/00		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.

Comments:

Please see attached document "Cutthroat Trout Distribution and Abundance" for supporting documentation.

ALSO delete lake 226-50-16101-0010. ORIGINAL NOMINATION DOES NOT SUPPORT Pink Designation (see attached nom 90-276) EWW 11/6/01

ALASKA DEPT. OF FISH & GAME
JAN 31 2001
REGION II
HABITAT AND RESTORATION DIVISION

Name of Observer (please print): Teresa Hunt

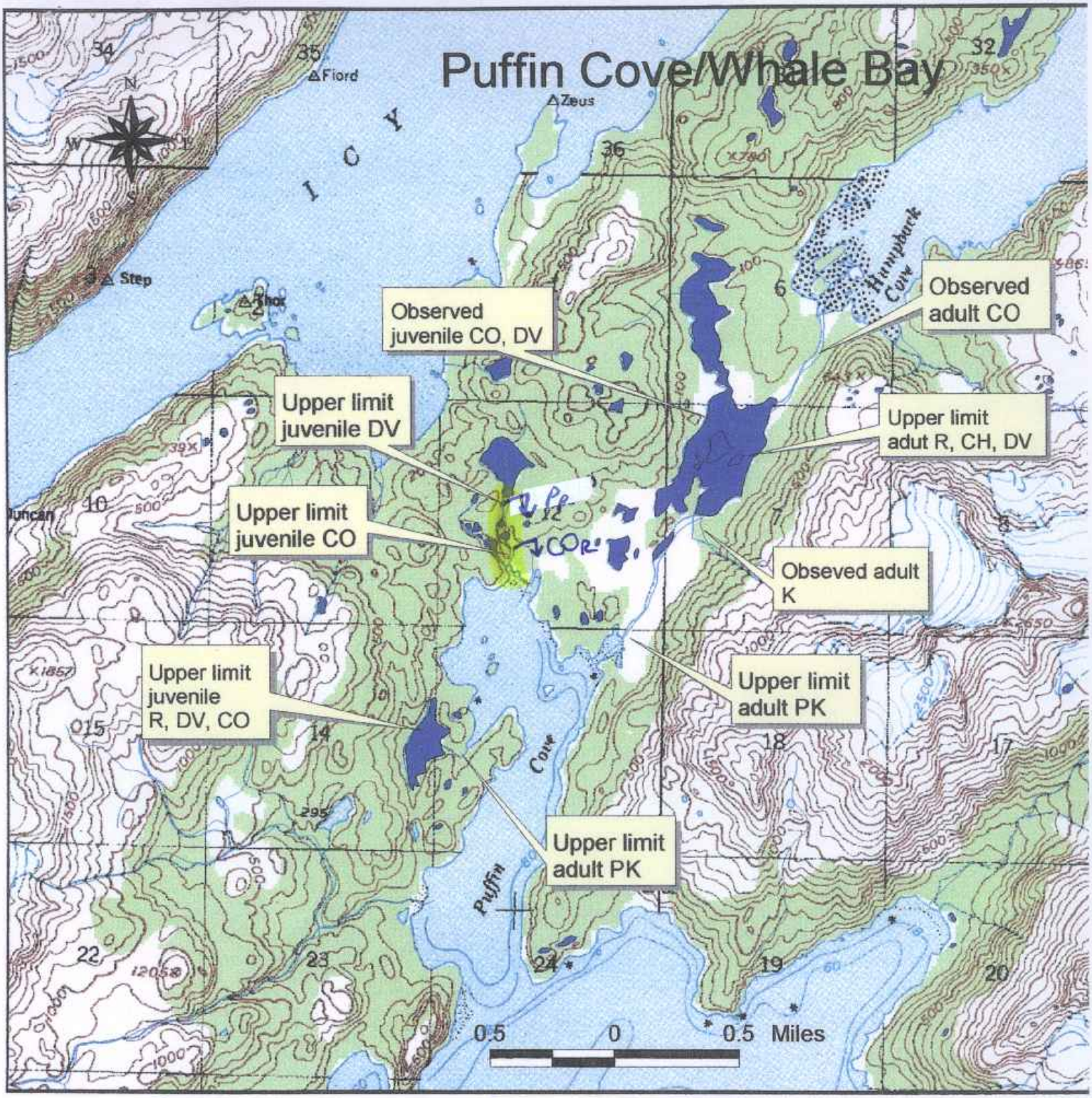
Signature: Teresa Hunt Date: 01/29/01

Address: P.O. Box 129
Girdwood, Alaska 99587

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 Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: _____

Revision 3/97



Delete Lake 226-50-16101-0010
? add CO_R to 226-50-16101
Pp

United States Department of Agriculture | Forest Service | Glacier Ranger District | P.O. Box 129 Forest Station Road Girdwood, AK 99587

File Code: 2620-3
Date: January 29, 2001

Edward W. Weiss
Habitat Biologist
Alaska Dept. of Fish and Game
333 Raspberry Rd.
Anchorage, AK 99518-1599

ALASKA DEPT. OF FISH & GAME
JAN 31 2001
REGION II
HABITAT AND RESTORATION DIVISION

Dear Sir:

The Glacier Ranger District conducted stream surveys on 19 streams in Prince William Sound (PWS) during the 2000 field season. Of those systems sampled the survey identified undocumented fish species in two basins in Jackpot Bay (ADF&G 226-20-16080-0020,226-20-16090-999), three tributaries to Squaw Bay (ADF&G 222-30-12920, 222-30-199, and 222-30-199), one inlet to Nassau Fiord (ADF&G 226-20-194), one inlet stream to Port Wells (ADF&G 223-20-199), and two inlet streams to Puffin Cove (ADF&G 226-50-16106,226-50-16098). Methodology to surveys conducted included minnow trapping, snorkel counts and hook-line. The results of these surveys indicate that a number of streams surveyed hold species of both adult and juvenile salmon, trout and char that are either missing from the Anadromous Waters Catalog or have partial coverage within the system.

Specifically, those undocumented species trapped within the Jackpot system comprised 654 juvenile coho salmon, and 19 cutthroat trout. Within the upper portion of the basin 235 juvenile Dolly Varden char were found in a previously undocumented region. A total of 121 adult coho, 3 king salmon and 16 cutthroat trout were observed or sampled by hook and line. Sampling was conducted on a small, unnamed basin in Jackpot Bay. Results of minnow trapping resulted in nine juvenile Dolly Varden and 11 juvenile cutthroat trout.

Streams surveyed in Squaw Bay were snorkeled and the fish species identified included (ADF&G 222-30-12920) 143 cutthroat trout found throughout the system. Additionally, one adult cutthroat trout was caught by hook and line. Another unnamed stream snorkeled in squaw Bay (ADF&G 222-30-199) identified 5 juvenile coho salmon, one juvenile king and 5 juvenile cutthroat trout. The last stream in Squaw Bay was an unnamed stream (ADF&G 222-30-199) that was sampled by hook and line. A total of 15 adult cutthroat trout were identified in this system.

Trapping and snorkeling techniques were used on two streams in Puffin Cove. The first stream sampled (ADF&G 226-50-16106) using minnow traps caught 197 juvenile coho salmon and 55 Dolly Varden. Snorkeling produced 196 juvenile coho and 11 Dolly Varden. Adult red salmon totaling 67 fish were observed throughout the system. The second system sampled (ADF&G 226-50-16098) with minnow traps found 139 juvenile Dolly Varden, and snorkeling produced 836 Dolly Varden. A total of 6 adult Dolly Varden were sampled by hook and line.

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One stream in Nassau Fiord was snorkeled and found 213 juvenile Dolly Varden and 1,760 juvenile coho salmon. Adult salmon totaling 2,000 pink and an undetermined amount of chum salmon were observed.

The last system sampled in PWS was an unnamed stream on the east side of Port Wells. Snorkel surveys indicated the presence of juvenile Dolly Varden.

If you have any questions please contact Rob Spangler, District Biologist at 754-2325.

Sincerely,

Susan B Paquet for

Deidre S. St.Louis
District Ranger

Subsistence Fisheries Project

Cutthroat Trout Distribution and Abundance

Western Prince William Sound, Alaska

Project #38

Annual Report
FY 2000

DRAFT

United States Department of Agriculture
Forest Service
Chugach National Forest
Glacier Ranger District

October 2000

DRAFT

Individual Drainages

The following section describes the results from individual drainages surveyed. The order followed is the order that the drainages were surveyed. Names in quotes are the given / non-official name of these streams. See figures (Bar Graphs) in the appendices that list the Catch Per Unit Effort (CPUE) for snorkeling and minnow trapping streams, and for snorkeling, minnow trapping and rod and reel sampling for each lake. Not all drainages are included in the figures because not all systems were surveyed in the same fashion. For example, only the first three streams and lakes were minnow trapped. Icy Creek (see individual drainages below) was excluded from the Stream CPUE: Snorkeling figure (Bar graph) because of the high CPUE (15.045) for Coho. The high value masked the smaller CPUE values on the figure.

"Two Bear" - Alaska Dept. of Fish and Game Stream # 226-50-16106 (ADFG, 1989)
Flows into Puffin Cove – Port Bainbridge
No cutthroat were found in this system.
Stream / downstream of lake - Minnow trapping (902 min.) and snorkeling (70 min.) were used to survey the stream, with snorkeling having a higher CPUE than trapping for all species. More coho were observed than Dolly Varden. Reds, pinks and Dolly Varden were observed up to a potential barrier into the lake – a 4' falls into a plunge pool where Dolly Varden were holding.
Lake - Minnow trapping (1471 min.) snorkeling (136 min.) and rod and reel sampling (958 min.) were used to survey the lake. Minnow trapping caught coho and Dolly Varden, snorkeling had the highest CPUE and observed coho and red juveniles, and rod and reel caught 2 adult Dolly Varden and one juvenile coho.

"Circus" - Alaska Dept. of Fish and Game Stream # 226-50-16098 (ADFG, 1989)
Flows into Puffin Cove – Port Bainbridge
No cutthroat were found in this system.
Stream / downstream of lake – Minnow trapping (2818 min.) and snorkeling (360 min.) were used to survey the stream, with snorkeling having a higher CPUE (2.644) than trapping (.086). Many more Dolly Varden were observed than Coho. The upper stream may seasonally connect on the surface with the larger "Dolly" Lake that flows away from Puffin Cove into Whale Bay. At the time of survey the upper stream was intermittent with no connection to "Dolly" Lake. Adult pinks, chum, reds and Dolly Varden were present in the stream.
Lake – The "lake" was more of a small pond type feature between the upper and lower stream reaches. The lake margin was minnow trapped (903 min), and fished (146 min) with snorkeling effort included in the stream data. Fishing effort had the higher CPUE than trapping. Dollies were dominant in the system. The pond received subsurface flows from nearby glacial systems (cold water).

"Dolly" - Alaska Dept. of Fish and Game Stream # 226-20-16300 (ADFG, 1989)
Flows into Whale Bay
No cutthroat were found in this system.
Stream / downstream of lake – Minnow trapping (4511 min.) and snorkeling (176 min.) were used to survey the stream, with snorkeling having a higher CPUE than trapping. Pinks, chum and Dolly Varden were observed in the stream. Has the highest total CPUE of stream in the surrounding drainages.
Lake - The lake was rod and reel sampled (314 min.) with only Dolly Varden being caught. Pink red, chum, 2 king salmon and Dolly Varden were observed in the lake.

"Killer Willow" - Alaska Dept. of Fish and Game Stream # 226-50-16101 (ADFG, 1989)
Flows into Puffin Cove – Port Bainbridge
No cutthroat were observed in this system.
Stream / downstream of lake – The stream was snorkeled (258 min.) finding a larger number of coho than Dolly Varden. A small falls and cascade may form a barrier into the upper reaches of the stream.

Lake – Only two small fish were observed and one Dolly Varden caught in the lake while rod and reel sampling (280 min.). Barriers may limit access to the lake.

"Seven Bear" - Alaska Dept. of Fish and Game Stream # 226-40-16269 (ADFG, 1989)
Flows into Bainbridge Passage.
No cutthroat were observed in this system.
Stream / downstream of lake – Only the lower ~100m of stream were snorkeled (5 min.) until hitting a significant falls. Heavy pink spawning was occurring in the tidal zone up to the first falls. Prince William Sound Aquaculture Corp. had surveyed this stream in 1983 (#655a) finding significant obstacles.
Lake – The lake was snorkeled (91min.) and fished (330 min.) with no fish observed of any species. The 1983 study also found no fish in the lake.

"Icy" Creek - Alaska Dept. of Fish and Game Stream # 226-20-no number (ADFG, 1989)
Flows into Nassau Fiord.
No cutthroat were observed in this system.
Stream / downstream of lake – The stream was snorkeled (110 min.) and had the highest CPUE for coho (15.045) of any of the streams surveyed. Pinks, chum Dolly Varden and 1 coho adult were observed.
Lake – The lake was snorkeled (124 min.) and not fished. Snorkeling observed many coho (8.505) and some Dolly Varden (.169). These also were the highest values for any stream.

Otter Creek - Alaska Dept. of Fish and Game Stream # 226-10-16880 (ADFG, 1989)
Flows into Bay of Isles – Knight Island
Cutthroat were observed in this system.
Stream / inlet to lake – Stream above the lake was snorkeled (70 min.) finding fewer cutthroat (.014) than Dolly Varden (.414) or coho (.757). Pinks and coho adults were observed in reaches below the lake and using the fish pass.
Lake – Lake margins around the inlet were snorkeled (28 min.) and fished (105 min.). Values for rod and reel sampling include fish caught in "Otter Pond" on the middle reach of the stream (6 adults in lake, 5 adults in the pond). Adult red salmon and cutthroat were observed by snorkeling and direct observation at the creek inlet.

Red Creek - Alaska Dept. of Fish and Game Stream # 223-20-13000 (ADFG, 1989)
Flows into Esther Passage
Cutthroat were observed in this system.
Stream / inlet to lake – The stream above lake was snorkeled (98 min.) with fewer numbers of cutthroat (.633) observed than Dolly Varden (2.531) or coho (4.306). Red Creek has the highest CPUE for cutthroat and the second highest CPUE cumulative value for any of the streams surveyed.
Lake – In comparison with Dolly Varden (.073) and one juvenile coho (.009) predominately cutthroat (.182) were caught by rod and reel (110 min.) at Red Creek inlet. Adult reds and Dolly Varden were holding at the mouth of the creek and observed farther upstream.

Coghill Lake - Alaska Dept. of Fish and Game Stream # 223-30-13220 (ADFG, 1989)
Flows into College Fiord.
No cutthroat were observed in this system.
Streams / inlets to lake – Eight separate inlets, including seven direct tributaries to Coghill Lake and one tributary to a glacial stream, were snorkeled. Beaver dams influenced streams throughout the system. The individual streams are summarized below.
Inlet #1 – Stream snorkeled (62 min.) up to potential barrier (series of cascades and 5' falls). Only juvenile coho were observed (1.065). Adult pink were spawning near the mouth.
Inlet #2 – Large stream snorkeled (236 min.) with very few juveniles being observed (.017). However, adult pink, coho, red, chum and king were observed. Two tributaries had beaver dams

State of Alaska
Department of Fish and Game
Nomination for Waters
Important to Anadromous Fish

1990
Year of Review

ALASKA DEPT. OF FISH & GAME
OCT 30 1989
REGION II
HABITAT DIVISION

0216. NOMINATION DOESN'T SUPPORT LAKE SEE ANDY PINK

Anadromous Water Catalog Volume REGION II

USGS Quad 635 SEWARD A-4

Name of Waterway Beast Creek

Anadromous Water Catalog Number of Waterway 226-50-16101

Change to 226-50-16101-0010 Atlas

Catalog

/ Both

Addition /

Deletion

Correction

Name addition:

USGS name

Local name Beast Creek

For Office Use

Nomination # 90 276

Regional Supervisor — Date 11-14-89

SJR — 11/14/89

Drafted — Date 12/7/89

Species	Date(s) Observed	Spawning	Rearing	Migration
PINK	9/11/89	/		

Comments: Provide any clarifying information, including number of fish observed, location of fish survey data, etc.

40 PINKS OBSERVED SPAWNING IN STREAM

Attach a copy of a map showing location of mouth and upper points of each species, specific stream reaches identified for spawning or rearing, locations of barriers, such as falls. Attach a copy of the fish survey data, if available.

Name of Observer (please print) RICHARD GUSTIN

Date: 10/26/89 Signature: Richard J Gustin

Address: HABITAT DIVISION / REGION II

ADF&G / 333 RASPBERRY RD, ANCHORAGE, AK

Signature of Area Biologist:

148° 19'59"/60° 11'07" Ps-40
148° 19'02"/60° 11'08"
1000 Ps Sw dead / Sockeye 8 live 2 dead
148° 16'41"/60° 10'01" Ps 8 live 1 dead - MAINLAND
148° 20'28"/60° 10'38" Sockeye 20 live 6 dead
Ps 11 live 30 dead
COLONY 63-8
150 birds
COLONY 63-7
500 birds
Sockeye spawn around lake perimeter
Spawn entire length
8 live Ps
16330 Ps CH
COLONY 63-4
250 birds
Claw Peak
WHALE BAY
BAINBRIDGE
PASSAGE