



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

**Nomination for Waters
Important to Anadromous Fish**

Region SOUTHCENTRAL

USGS Quad Seward D-3

Anadromous Water Catalog Number of Waterway 223-20-199

Name of Waterway Tributary of Port Wells USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>01 071</u>	Regional Supervisor <u>[Signature]</u>	Date <u>11/6/01</u>
Revision Year: <u>2001</u>	AWC Project Biologist <u>[Signature]</u>	Date
Revision to: Atlas <u>N/A</u> Catalog <u>N/A</u>		
Revision Code: <u>F-1</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Dolly Varden	9/26-28/00		x		<input type="checkbox"/>
					<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:

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

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

Name of Observer (please print): Teresa Hunt
Signature: [Signature]
Address: P.O. Box 129
Girdwood, Alaska 99587

Date: 01/29/01

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

Port Wells



Upper limit
juvenile DV

Barrier

Barrier

Granite

Bay

Dove Δ 7

0.5 0 0.5 1 Miles





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.





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,

Deidre S. St. Louis
for

Deidre S. St. Louis
District Ranger

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 222-30-199) and 222-30-199), three tributaries to Squaw Bay (ADF&G 222-30-199) and 222-30-199), one inlet to Nassau Fiord (ADF&G 226-50-194), one inlet stream to Puffin Cove (ADF&G 226-50-16106), and two inlet streams to Puffin Cove (ADF&G 226-50-16106, 226-50-16106). 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 232 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 4 juvenile cutthroat trout.

Streams surveyed in Squaw Bay were snorkeled and the fish species identified included (ADF&G 222-30-199) 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 12 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.



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

“Jelly” - Alaska Dept. of Fish and Game Stream # 222-30-12920(ADFG, 1989)
Flows into Eaglek Bay.

Cutthroat were observed in this system.

Stream - No stream surveys were conducted.

Lake - The lake was snorkeled (36 min.) and fished (62 min.) along ~three-quarter of the shore. Cutthroat (.065) and one juvenile king salmon (.016) were caught and juvenile cutthroat (.139) and coho (.139) were observed while snorkeling. The presence of cutthroat juveniles may indicate a resident population. Surveys to saltwater were not conducted as cutthroat were found in the upper part of the watershed – leading to the assumption that they were throughout the entire drainage.

“Bear Scat” - Alaska Dept. of Fish and Game Stream # 223-20-no number(ADFG, 1989)
Flows into Port Wells – from the north end of Esther Island.

No cutthroat were observed in this system.

Stream – Snorkeling (428 min.) on 2 inlet streams and the outlet stream between saltwater and the lake found a few Dolly Varden (.072). At low tide there was possible barrier in the tidal area. The two inlet tributaries to the lake had: 1) lower flows and several falls that acted as barriers and 2) adequate flows and potential barriers – no fish were seen above these while snorkeling.

Lake – Rod and reel sampling (201 min.) caught no fish.

CONCLUSIONS

APPENDICES

Table 1. Results for Known Populations: Cutthroat by Age Class and Sampling Technique

System	Habitat	Technique	Age					Effort (min.)	CPUE
			0	1	2	3	4		
Red	inlet	snorkel	2	14	22	15	9	98	.633
	lake	rod/reel	0	0	0	0	20	110	.182
Otter	inlet	snorkel	0	0	0	1	0	70	.014
	lake	rod/reel	0	0	0	0	11	105	.105
Cowpen	oulet	snorkel	2	16	10	25	4	116	.491
	lake	rod/reel	0	0	0	0	28	53	.528

Table 2. Results for New Populations: Cutthroat by Age Class and Sampling Technique

System	Habitat	Technique	Age					Effort (min)	CPUE
			0	1	2	3	4		
N.F. Squaw	oulet	snorkel	1	7	12	2	0	100	.220
	lake	rod/reel	0	0	0	0	14	83	.169