



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

Nomination for Waters
Important to Anadromous Fish

10/24/97

Region SOUTHCENTRAL

USGS Quad Seward B-2

REGION II
HABITAT AND RESTORATION
DIVISION

Anadromous Water Catalog Number of Waterway 226-10-16960

Name of Waterway Solf Lake System USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>98 142</u>	Regional Supervisor <u>Ed Wain</u>	Date <u>10/27/97</u>
Revision Year: <u>1997</u>	AWC Project Biologist	Date
Revision to: Atlas <u> </u> Catalog <u> </u>		
Both <u> </u>		
Revision Code: <u> </u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
DOLLY VARDEN			113		<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: See attached memo and data from USFS regarding fish trapping conducted during the 1996 season.

Name of Observer (please print): _____
Signature: _____
Address: _____

Date: _____

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: Ed Wain

10/28/97

United States
Department of
Agriculture

Forest
Service

Chugach
National
Forest

Glacier Ranger District
P. O. Box 129
Girdwood, AK 99587

ALASKA DEPT. OF
FISH & GAME

Reply to: 2620
Date: October 28, 1996

NOV 29 1996

State of Alaska
Department of Fish and Game
Attn: Division of Sport Fish
PO Box 3-2000
Juneau, Alaska 99802

REGION II
HABITAT AND RESTORATION
DIVISION

PERMIT # SF-96-001

Dear ADF&G:

The following is a summary of fish collection activities conducted by the Glacier Ranger District's fisheries crews during the 1996 field season.

In the Portage Valley area three ponds were sampled using minnow traps baited with betadyne-treated salmon eggs. The first pond trapped was at the recently excavated Granite pond in the Turnagain Pass area. A total of five traps were soaked for one hundred twenty hours with a total of four juvenile Coho salmon caught and released. Portage Island pond was trapped with four traps for approximately four hours, no fish were found. A two acre pond adjacent to, but isolated from Willow pond was sampled with four traps for eight trap hours, with a total of 40 Stickleback caught and released.

✓ Another area where sampling was conducted was in Prince William Sound. Four sample different lake systems were trapped as part of Cutthroat Trout habitat improvement projects. The first location was at Otter Creek on Knight Island in PWS. In August a fisheries crew used 69 baited minnow traps each day for three days of sampling. Each trap was soaked for up to four hours over the three day period, capturing 484 Coho, 482 Dolly Varden and 11 cutthroat trout. Each fish was classified as being zero to three year old fish, based on observation of relative size. There were a total of 4 mortalities, all other fish were released.

✓ The next system sampled was at Gun Boat Lakes, Eshamy Bay. Over a three day period 79 traps were soaked each day for up to four hours. Trapping yielded 162 Coho, 203 Dolly Varden and 24 Cutthroat Trout. All fish were classified accordingly and found to be zero to three years of age. There were two mortalities in the sample, all other fish were released.

✓ Red Creek in Ester Pass was sampled in the same manner as the other sites. Over a three day period 90 minnow traps baited with salmon eggs soaked up to four hours each day and caught 142 coho, 37 Dolly Varden and 19 Cutthroat Trout. These fish were also zero to three year old fish. All but two mortalities were released back to the stream.

The final stream sampled for Cutthroat Trout improvements was at Bill's Hole, Long Bay. Over a period of two days 41 minnow traps were soaked for up to four hours each day. A total of 108 Dolly Varden, 238 Coho and 1 Cutthroat Trout were caught. These fish were all of zero to three year age classes.

Columbia Lake, Columbia Bay was investigated for fish populations using minnow traps, fyke net, and Swedish gill nets. A total effort of over 400 sample hours using these various methods produced 724 juvenile coho, 162 juvenile Dolly Varden of zero to three year age classes, 3 adult Chum, 93 adult Sockeye, 1 adult pink, 1 adult Lake Trout, 9 Sculpin and 154 Stickleback.

222-10-12040-0010 K
B-1 on CO CH S

226-3
← 16880
(F-)
Sewage
B-2

225-3
15070
(B-1) Sewage
(F) B-3

222-10-
12180
(B-2 F)
Sewage B-1

United States
Department of
Agriculture

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National
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Glacier Ranger District
P. O. Box 129
Girdwood, AK 99587

Reply to: 2620

Date: October 28, 1996

State of Alaska
Department of Fish and Game
Attn: Division of Sport Fish
PO Box 3-2000
Juneau, Alaska 99802

Dear Madam/Sir:

The following is a short summary of adult fish escapements in both Prince William Sound and Portage area rivers made by Glacier District field crews during the 1996 field season, see attached for detailed counts.

During the 1996 field season adult escapements were conducted on eight Portage area rivers and streams, and at seven locations in Prince William Sound. Visual observations were taken by foot or river boat. The total numbers of fish counted on a given date reflects those seen at all index sites but not necessarily within the whole system.

1996 Portage Valley escapement counts

	River	S	K	P	CO	C
247-60-10250	20 Mile	0	0	103	140	30
247-60-10220-2027-3-10210-2015	Williwaw	300	0	15	2	280
	Explorer	35	0	0	75	0
	U. Railroad	966	0	200	0	97
	L. Railroad	10	0	0	20	0
247-60 10190	Ingram	0	0	2,000	5	0
247-60-10170-2011-?	Lyon	2	1	0	10	0
2041	Granite	0	14	0	0	0

PWS escapement counts

River	S	K	P	CO	C
Otter	0	0	6,250	250	0
Shrode	2,000	0	500	0	1,500
Harrison	0	0	1,000	0	500
Gunboat	100	0	15,000	0	0
Derickson	0	0	500	0	200
Bill's Hole	0	0	200	300	0
Pigot	0	0	3,000	0	700

226-30-16220 (B-1 PCH) ^{Spr CO}
224-30-14760
225-30-15070
222-30-12220-102
222-10-12180
224-10-143?? PCH
(A-1?)