



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

Nomination for Waters
Important to Anadromous Fish

Region SOUTHCENTRAL USGS Quad Seward B-3
 Anadromous Water Catalog Number of Waterway 226-10-16862 -0010
 Name of Waterway Unnamed system in Lower Herring Bay, Knight Island USGS Name Local Name
 Addition Deletion Correction Backup Information

Nomination # <u>03 047</u>		For Office Use	
Revision Year: <u>2003</u>	Atlas _____ Catalog _____	<u>[Signature]</u> Regional Supervisor	<u>3/18/03</u> Date
Revision to: Both <u>X</u>	Revision Code: <u>A-1 / A-2</u>	<u>[Signature]</u> AWC Project Biologist	<u>14 MAR 03</u> Date
		<u>[Signature]</u> Drafted	_____ Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho	8/2/2002		X		<input type="checkbox"/>
Dolly Varden	8/2/2002			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:

A unnamed stream in the north end of Lower Herring Bay on Knight Island was snorkeled and fished by hook and line and found juvenile Coho salmon and adult Dolly Varden. See attached report for more information.

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

Name of Observer (please print): Teresa Hunt
 Signature: [Signature] Date: 10/29/2002
 Address: P.O. Box 129
Girdwood, Ak 99516

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

Summary of Cutthroat investigations Prince William Sound August, 2002

#226-10-16862

This system consists of 2 stream reaches with 2 intermediate lakes. Streams ranged from cascades, high gradient riffles, low gradient riffles. Dolly Varden, Coho, and sculpin, were the fish observed and recorded in the lakes and streams. This system had some cascades that could have been potential anadromous barriers. The drainage had some good spawning habitat but no species of adult salmon were observed. At the start time of survey, weather was clear and sunny; with a water temperature of 12.1 C, Air temperature of 10.5 C and flows were normal.

Stream

Water was clear and not influenced by glacial runoff. The stream reach (475.6m) was habitat typed with a level 1 survey. Habitat types were observed to be high gradient riffle, low gradient riffle, meandering lateral scour, cascade, and dammed pool by wood. The stream was 6 m wide. Snorkel survey found Dolly Varden, Coho, and sculpin present within 325 m from the ocean. In one deep pool 15 adult Dolly Varden were found. This pool was filled with large woody debris.

The second reach was not surveyed. Habitat types were observed to be low gradient riffle, cascades, and subterranean. Overall the stream was too narrow, steep and subterranean to attempt snorkeling or to be considered adequate fish habitat.

The lower intermediate lake in the system was 475.6 m upstream from salt water. This lake was deep, with a recent avalanche or landslide pushing logs into the lake. These logs floated to the south side of lake. Hook and line sampling was done for an hour, and no fish were caught, although a small 4 inch fish was visibly seen.

No survey was done to the upper lake due to the water going subterranean, and no fish were visibly seen. Half the lake was hiked around and tow inlets drained muskeg off the swamp and surrounding hillsides, but no other drainages were found.

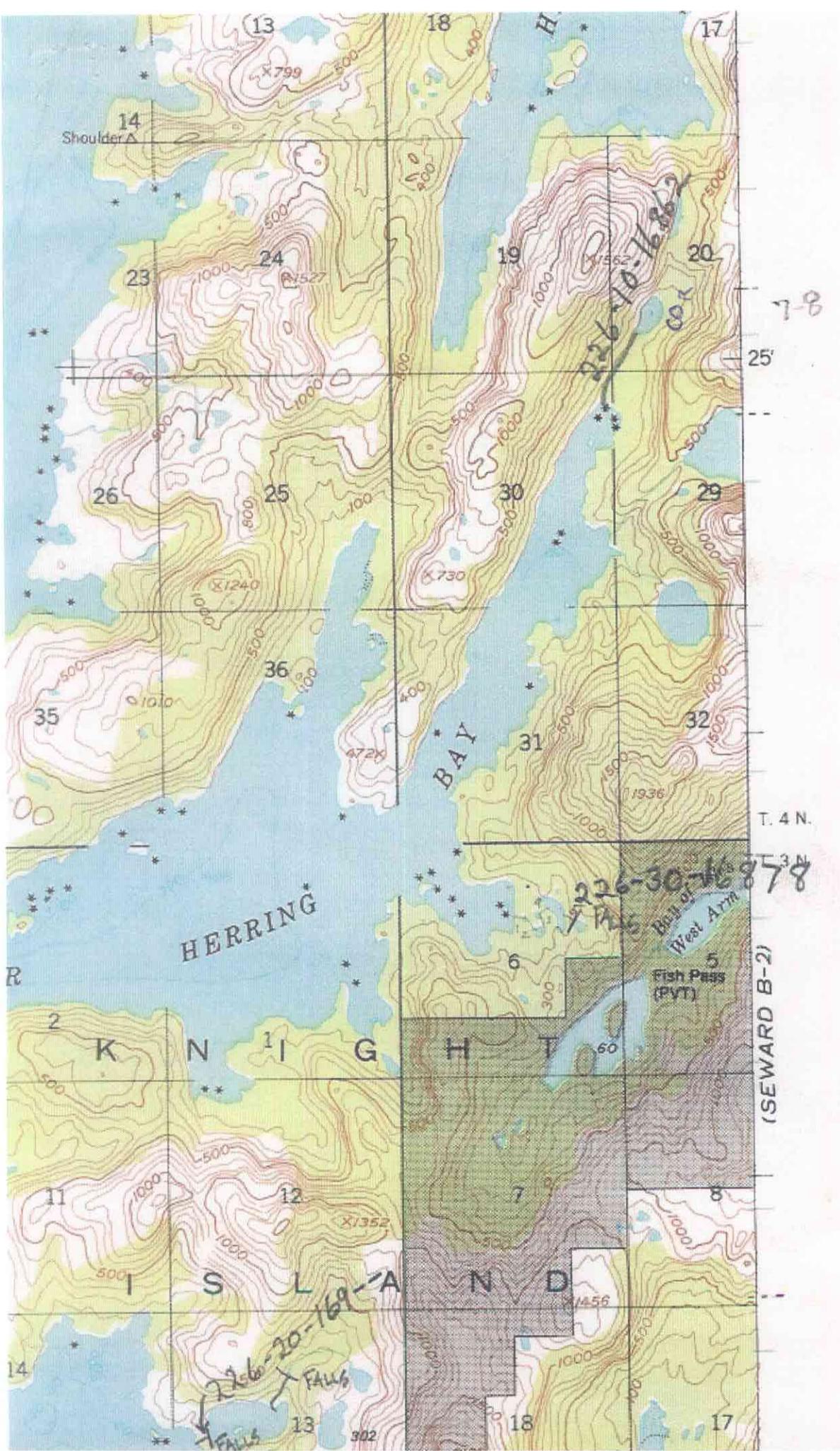
Fish Habitat Survey

Form 6 - Fish Data

Stream: 226-10-16862	Date: 08/01/02	Diver1 (D1): T. HUNT
Reach #: 1	Page:	Diver2 (D2):

Habitat Unit #	Habitat Type	Dist. B/T Units	Dive Date	Water Temp.	Air Temp.	Dive Time	1		3		4		7		8	
							HGR		SLM		HGR		DMW		CAS	
			08/01/02				08/01/02		08/01/02						08/01/02	
Spawning Area(m2)																
COUNTS/Size(in)			D1	D2	D1	D2	D1	D2	D1	D2	D1	D2	D1	D2	D1	D2
CHIN																
CHIN																
CHIN																
CHIN AD																
COHO	1				12-15				2		49					
COHO	2								1							
COHO	3															
COHO AD.																
SOCK																
SOCK																
SOCK AD																
CHUM AD																
PINK AD																
DV	Adult		1													
DV	1		1		6											
DV	2				2											
DV	3										1					
DV																
DV																
CT																
CT																
CT																
CT																
CT																
CT																
CT																
STL																
YOY																
Sculpin	—		4													
Comments																

CHIN=Chinook, Sock=Sockeye, DV=Dolly Varden, CT=Coastal Cutthroat, STL=Stickleback, YOY=young of year





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: November 14, 2002

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STATE OF ALASKA
FISH & GAME
HABITAT & RESTORATION

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

Dear Sir:

The Glacier Ranger District conducted stream surveys on 10 streams in Prince William Sound (PWS) during the 2002 field season. Of those systems sampled the survey identified undocumented fish species in Solf Lake (ADF&G 226-30-16960-0010), and one tributary in Lower Herring Bay (ADF&G 226-10-16862). Methodology of the surveys conducted included visual observations, 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 and char that are either missing from the Anadromous Waters Catalog or have partial coverage within the system.

Specifically, the undocumented species identified within the Solf Lake system (ADF&G 226-30-16960-0010) through visual observations were comprised to seven adult sockeye and fourteen adult coho. These sockeye may be the result of a stocking program conducted by the Forest Service and Prince William Sound Aquaculture to reestablish sockeye to Solf Lake. A fishway was completed in 2000 to assist fish passage into the lake. The adult coho observed in the lake and may be the result of straying. Additionally, juvenile coho salmon were observed in portions of an inlet stream at the head of the lake. Adult Dolly Varden char were observed in the lake throughout the summer.

Two streams were surveyed in Lower Herring Bay by snorkel and hook/line one of which (ADF&G 226-10-16862), had species previously unidentified, including 10 juvenile Dolly Varden, 67 juvenile coho and 1 adult Dolly Varden, throughout the system. The other system in Lower Herring Bay (ADF&G 226-30-16878) was snorkeled and fished by hook/line. Juvenile Dolly Varden were observed in this system but due to potential barriers at the outlet of the stream it was not determined that these were anadromous fish.

If you have any questions please contact Will Frost, District Fisheries Technician at 754-2347.

Sincerely,

JAMES M. FINCHER
District Ranger



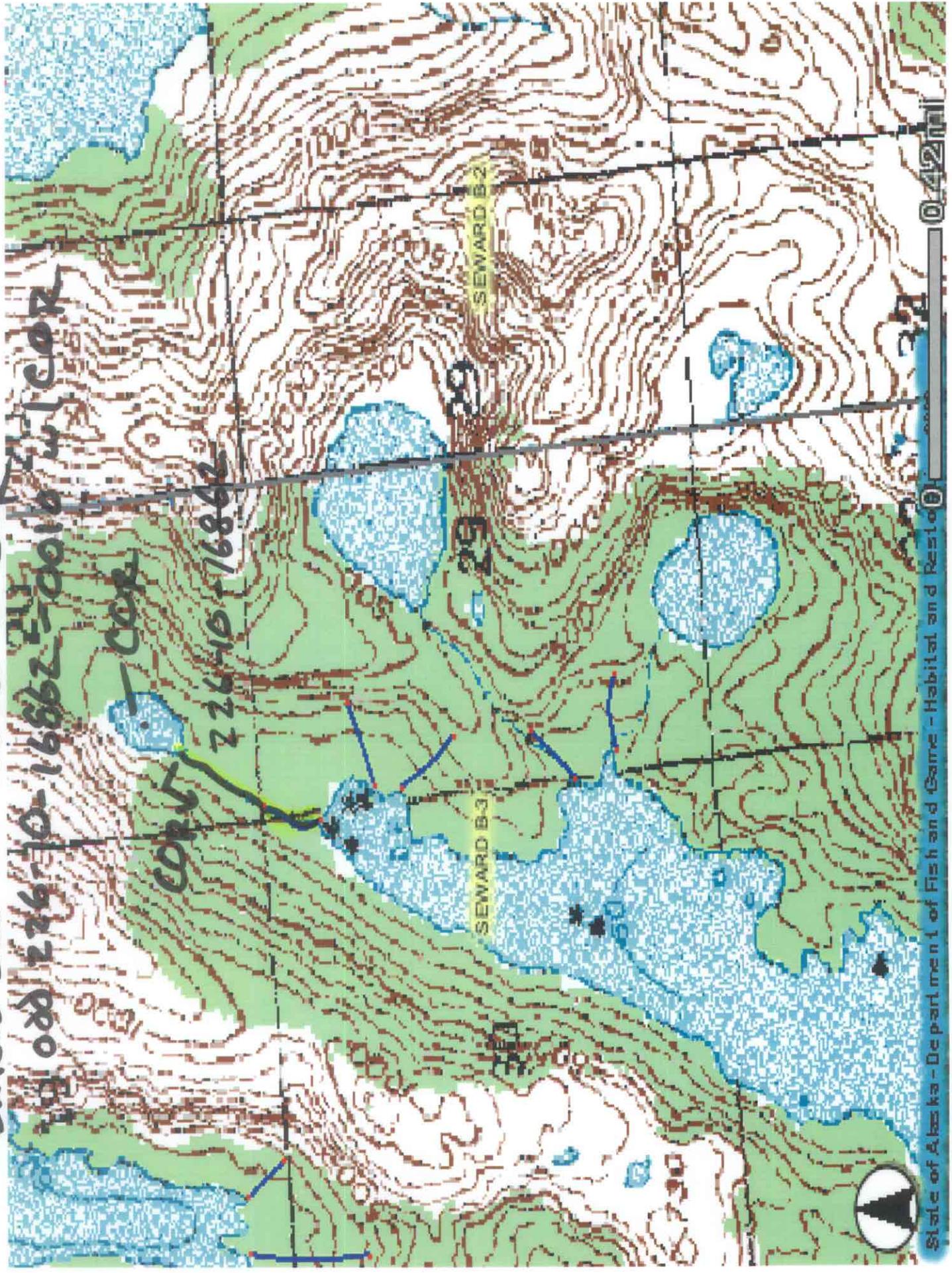
Extend 226-10-16862 w COR
to odd 226-10-16862-0010 w COR

COR

226-10-16862

SEWARD B3

SEWARD B2



Call/Office Visit Documentation

ADF&G Habitat & Restoration Division

DATE: 10 MAR 03 | TIME: 1126

To/From: Will Frost

Phone/FAX/Email: 754-2347

From/To: J. Johnson, HBIII

DETAIL: *pinpoint? 226-10-16862*

does stream extend as far as shown on map

call back 1035 14 MARCH

Merlin 754-2322*

entire stream & lake surveyed

COP Found in both