

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

83-739

101-90-10840 -
 0010 ?

Addition

Deletion

Name of Waterbody (if known): Helm Lake System

Location: Helm Bay / Behm Canal / Cleveland Peninsula

Anadromous Waters Catalog Volume and Number Southeastern Region 1 Revised April 82

USGS 1:63,360 Quadrangle Ketchikan C-6

or 1:250,000 (if 1:63,360 not available) _____

Species	Date(s) Observed	Stage(s) (Spawning, Rearing, Migration)
Sockeye	9/20/82	Spawning

Comments: Please provide any clarifying information in addition to identification on Anadromous Waters Catalog Public Review Maps.

Foot Survey of East Inlet Stream (1/2 mi.)
Helicopter survey conducted of Lake perimeter no visible beach spawn
Low Water

Name of Observer (please print) _____

Joseph A. Orsi

Date: 1/6/83

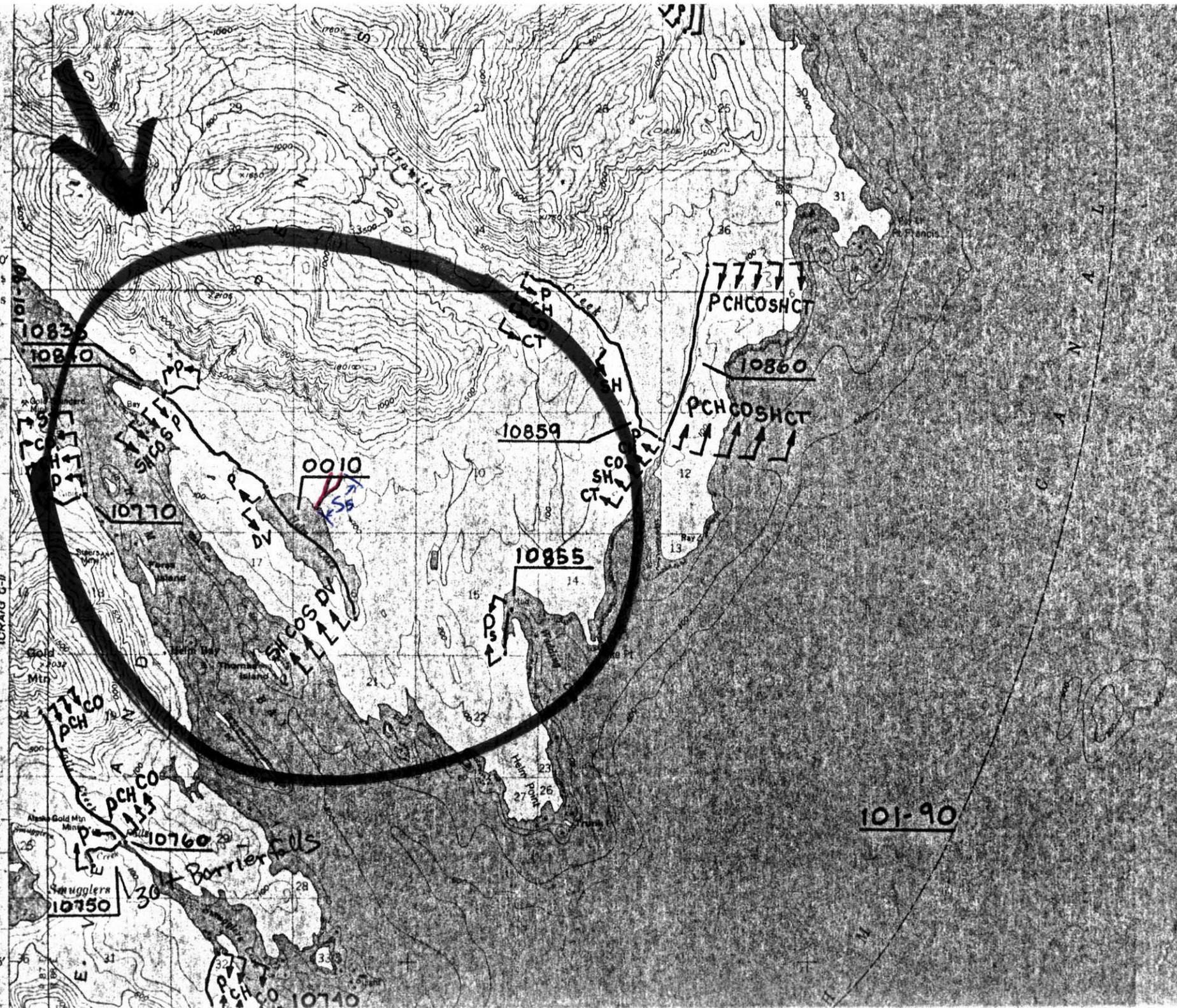
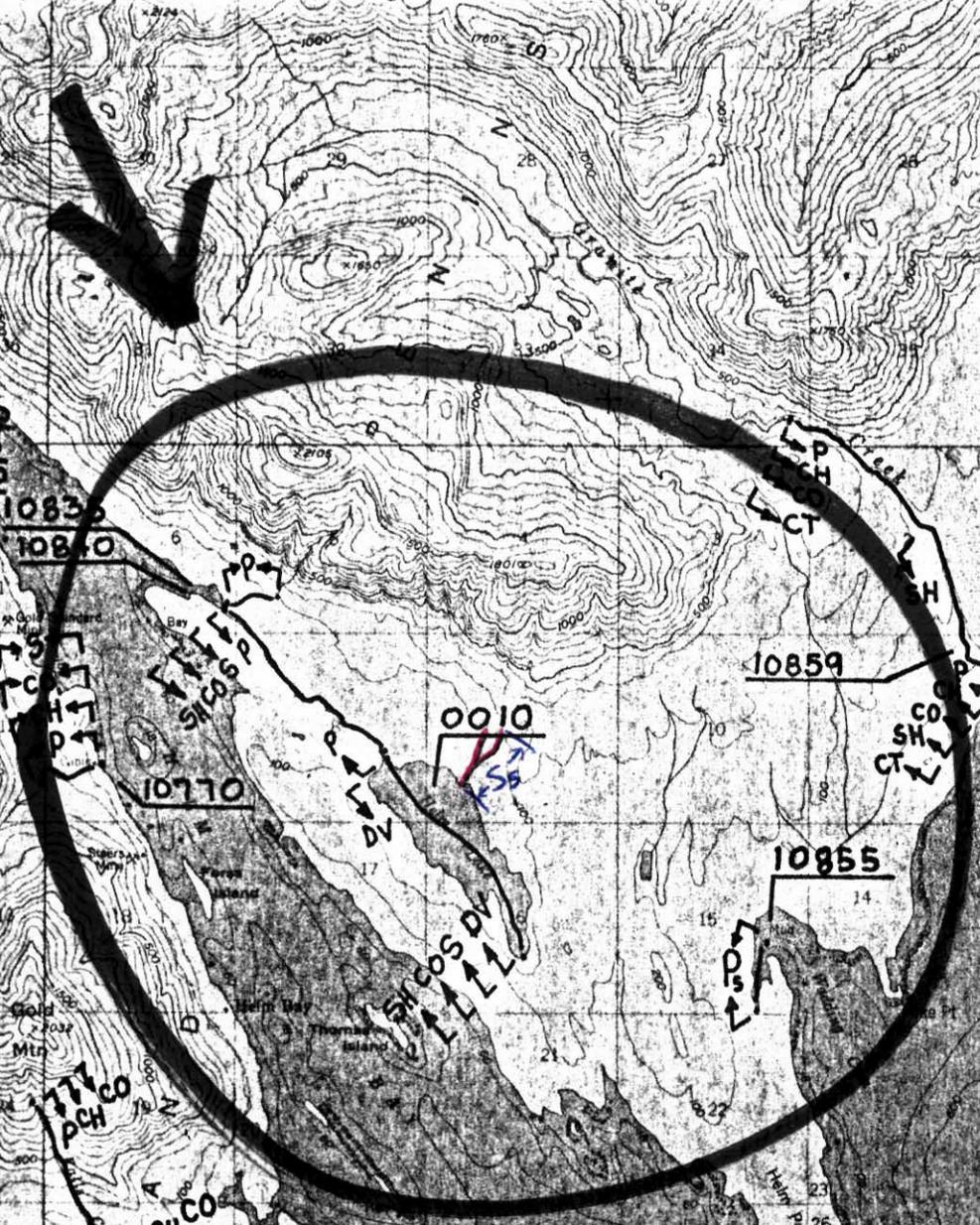
Signature: Joseph A. Orsi

Fishery Biologist NMFS
 Stephen D. Hoffman ADF&G

Durham 1/21/83

Matted 2/2/83 T. Howe

Helm Lake System



10833
10840

10770

0010

10859

10855

77777
PCHCO SHCT

10860

PCHCO SHCT

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PCH CO

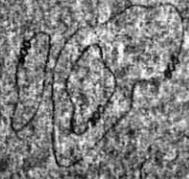
10750

10760

Barrier Falls

10740

101-90



SOCKEYE SYSTEM SURVEY FORM
U.S. / CANADA RESEARCH

System Name Helm Lake System Date 9/20/82
 Stream Catalog No. 101-90-084 Geodetic Map No. Ketchikan C-6
 Stream Location(s) East inlet stream and North lake outlet of Helm Lake

System Section	Distance Surveyed	Species	Stream Live	Stream Dead	(note letters also)			
					Obs. Live Fish	Secondary Tags Dead Fish	Rec. Live Fish	Primary Tags Dead Fish
E. Inlet	1/2 mi	Sockeye	130	366	3 Tri B	2 Tri B	0	0
N. Outlet	1/2 mi	Sockeye	117	68	0	3 Tri B	2	0
Totals	1 mi	Sockeye	247	434	3 Tri B	5 Tri B	2	0
Primary Tags Observed			1 - 2		Species <u>Sockeye</u>			

Water Level Low X Normal ___ High ___ Water Visibility Fair Normal X Poor ___

Fish Migration Barrier(s) Low water - Beaver dam near lake outlet

Spawning Density Low X Normal ___ High ___

If Applicable Draw a Small Map of the System

Comments (stream obstructions, characteristics, etc.) Root clusters and beaver dam made the fish viewing difficult. Helicopter survey and no beach spawning observed. We did a quick tag recovery effort at Heckman (Naha System) on the way back. Five primary Sockeye tags were recovered and 3 - 4 were observed.

Recovered Primary Tags at Helm Lake: #Z07391
(Sockeye) #Z26512

Recovered Primary Tags at Naha: #X1020
(Sockeye) #X53745
#X54842
#X58031
#X59791

Recovered Primary Tags at Naha: #Y36951
(Pink)



Stream, survey conducted by B. Budke/J. Orsi

If any tags were recovered please note the tag numbers and species on the back of this form