83-1185

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

[X] Addition [ ] Deletion

Name of Waterbody (if known): CHUCK LAKE SYSTEM 103-80-10310

Location: SOUTHERN HECTA ISLAND, SOUTHEAST ALASKA

Anadromous Waters Catalog Volume and Number SOUTHEAST REGION REVISED APRIL 1982

USGS 1:63,360 Quadrangle CRAIG D-5

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

Species	Date(s) Observed	Stage(s) (Spawning, Rearing, Migration)
SOCKEYE	19 SEPT 1982	SPAWNING

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

FOOT SURVEY OF CHUCK LAKE AND ITS INLET STREAMS.

WATER LEVEL EXTREMELY LOW

Name of Observer (please print) CHET MATTSON, DON MORTENSEN, JOHN EILER

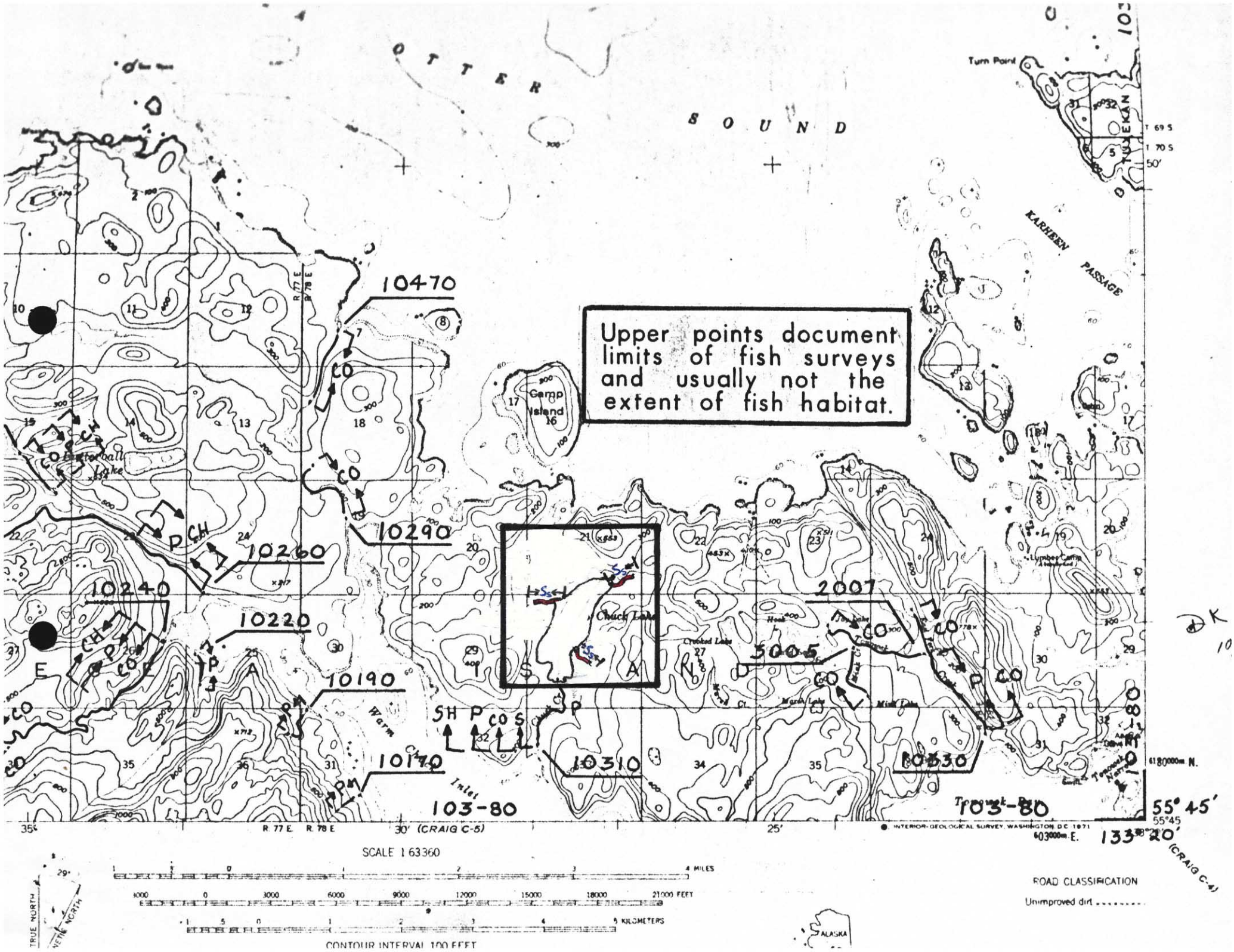
Date: 6 JAN 1983 Signature: John H. Eiler

FISHERIES BIOLOGIST, NMFS

Stephen H. Hoffman
ADF&G

Drafted 2/2/83 F. Snow

Dupuy 1/21/83



Upper points document limits of fish surveys and usually not the extent of fish habitat.
OTTER SOUND
KARHEEN PASSAGE
Turn Point
Camp Island
Chuck Lake
Warm Chuck Inlet
Tonowek Bay
10470
10290
10260
10240
10220
10190
10170
10310
10330
2007
5005
103-80
103-80
55° 45'
133° 20'
(CRAIG C-5)
(CRAIG C-4)
R. 77 E.
R. 78 E.
T. 69 S.
T. 70 S.
SCALE 1:63360
4 MILES
21000 FEET
5 KILOMETERS
CONTOUR INTERVAL 100 FEET
TRUE NORTH
ALASKA
ROAD CLASSIFICATION
Unimproved dirt
INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D.C. 1971

2nd SURVEY (WEIR CREW) 11 OCT → 20,253 LIVE / 13 DEAD } 66 TAGS

SOCKEYE SYSTEM SURVEY FORM
U.S. / CANADA RESEARCH

System Name WARM CHUCK LAKE Date 9/19/82
Stream Catalog No. 103-80-031 Geodetic Map No. CRAIG D-5
Stream Location(s) NORTH CREEK, MAJOR TRIB AT NORTHERN END OF LAKE
SOUTHEAST CREEK
BEAVER MEADOWS

System Section	Distance Surveyed	Species	Stream Live	Stream Dead	(note letters also) Obs. Secondary Tags Live Fish	Obs. Secondary Tags Dead Fish	Rec. Primary Tags Live Fish	Rec. Primary Tags Dead Fish
NORTH CR.	0.6 MI	SOCKEYE	1033	383	3	–	–	–
S.E. CR.	0.1 MI	"	9	1	–	–	–	–
BEAVER M.	0.3 MI	"	11	1	–	–	–	–
OUTLET	0.1 MI	"	6	–	–	–	–	–
Totals	1.1 MI		1059	385	3			

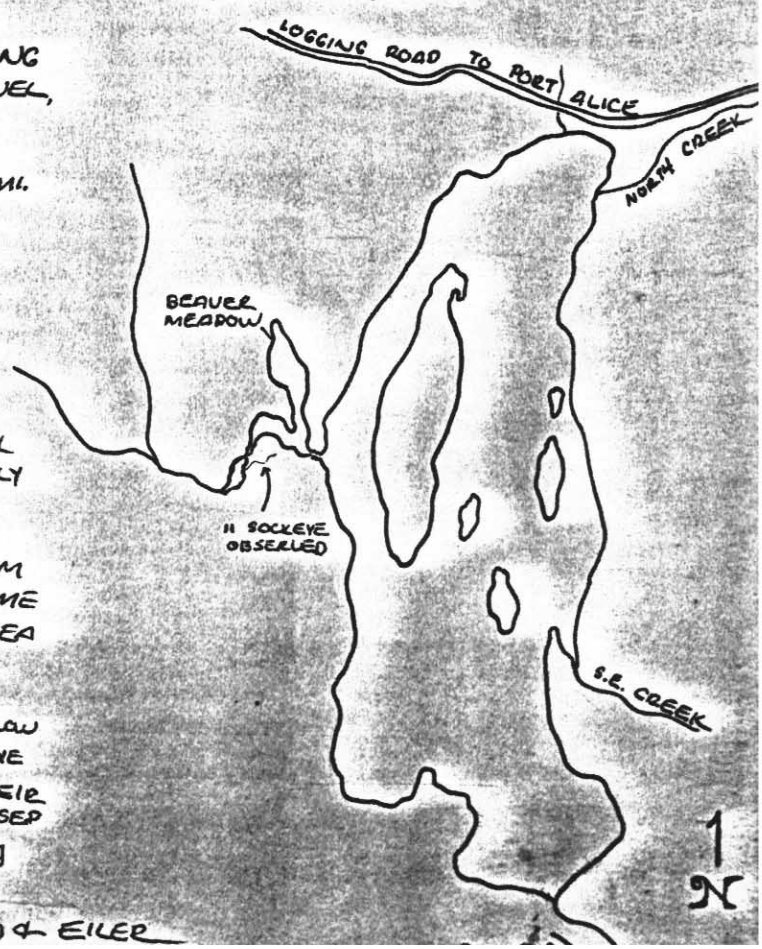
Primary Tags Observed NONE Species

Water Level Low ✓ Normal___ High___ Water Visibility Fair ✓ Normal___ Poor___

Fish Migration Barrier(s)

Spawning Density Low ✓ Normal___ High___

If Applicable Draw a Small Map of the System



Comments(stream obstrucions, characteristics, etc.) NORTHERN CREEK A MAJOR SPAWNING AREA. SMALL CREEK WITH EXCELLENT GRAVEL, MODEST GRADIENT, AND HEAVY GROWTH OF BERRY BUSHES & ALDER OVER THE STREAM. LOGGING ROAD FOLLOWS STREAM FOR 3-4 MI.

WATER LEVEL ON S.E. CREEK TOO LOW FOR SALMON TO ENTER.

BEAVER MEADOWS: 1st SECTIONS VERY SLOUGH LIKE. SEVERAL BEAVER DAMS OBSERVED. HOWEVER 11 SOCKEYE OBSERVED IN SMALL CREEK OFF OF BEAVER POND. OTHER SMALL STREAMS OBSERVED ALONG WATERCOURSE, SO POSSIBLY MORE FISH PRESENT THAN WERE RECORDED. THE SMALL STREAM WITH SOCKEYE WAS OVERGROWN WITH VEGETATION, BUT HAD A GRAVEL BOTTOM. STREAM BEYOND BEAVER PONDS NOT SURVEYED DUE TO TIME LIMITATIONS, BUT LOOKED LIKE A POTENTIAL AREA FOR SOCKEYE FROM THE AIR.

WEIR COUNTS OF SOCKEYE WERE 1751 WITH 138 YELLOW TAGS (OUT OF 250 TAGGED). APPARENTLY HEAVY LOSS DUE TO LOW WATER LEVELS, STREAM TEMPS, & PREDATION. WEIR CREW REPORTED THAT NUMEROUS FISH THAT HAD PASSED

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

SURVEYED BY MATTSON, MURTAGH, MORTENSEN & EILER

THROUGH THE WEIR DIED FARTHER UPSTREAM, POSSIBLY DUE TO LOW WATER OR HIGH WATER TEMP. WEIR CREW HAD TRUCK & GAVE US A RIDE ALONG THE ROAD SYSTEM AROUND THE LAKE. JERRY KOERNER LEFT MAP DETAILING THE LOCATION OF THE STREAMS.

FLEW IN & OUT OF LAKE WITH AN ALASKAN ISLAND AIR BEAVER OUT OF PETERSBURG.

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Anadromous Waters Catalog Volume and Number SOUTHEAST REGION REVISED APRIL 1982

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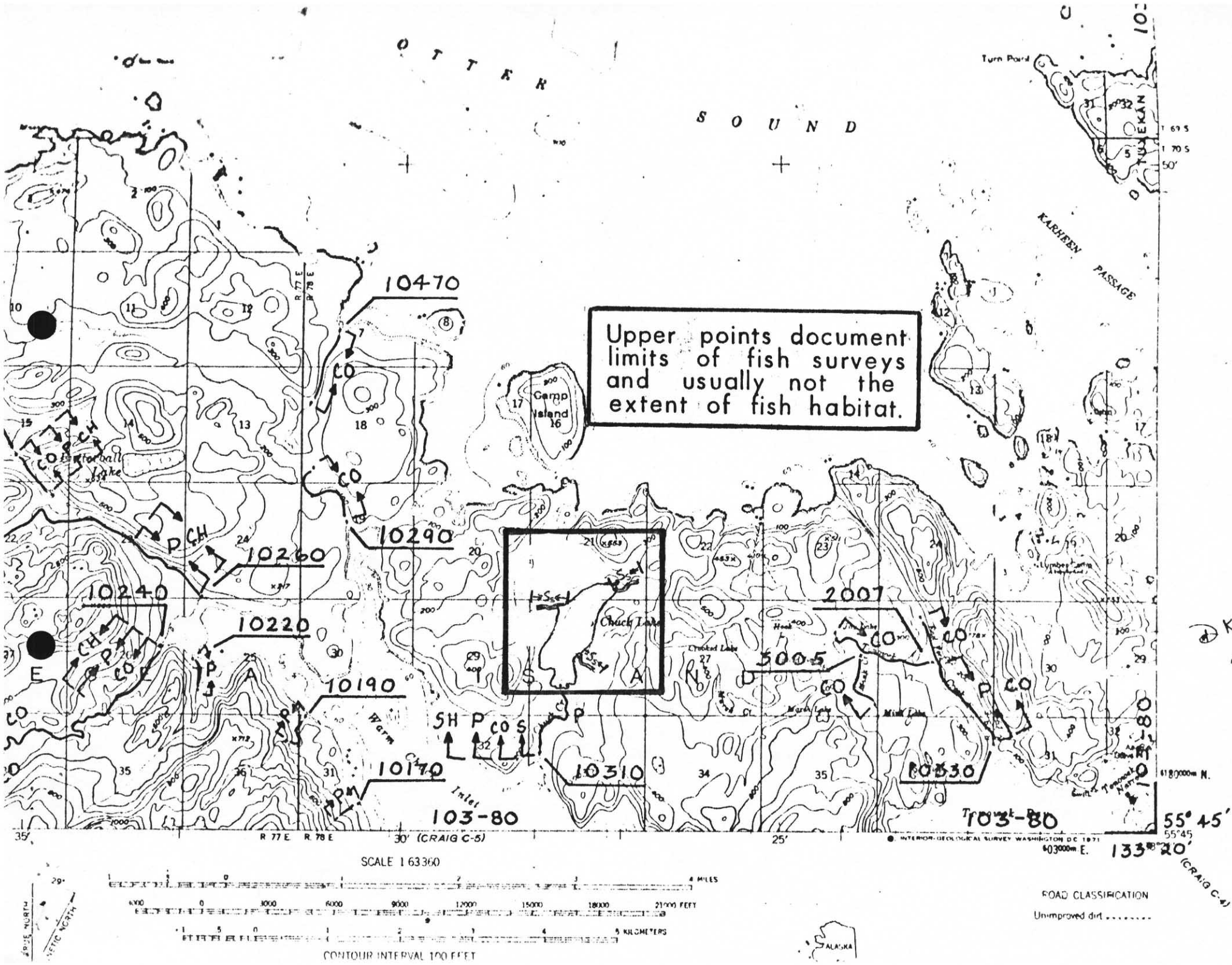
ADF&G

Drafted FI

Dumped 2-23-83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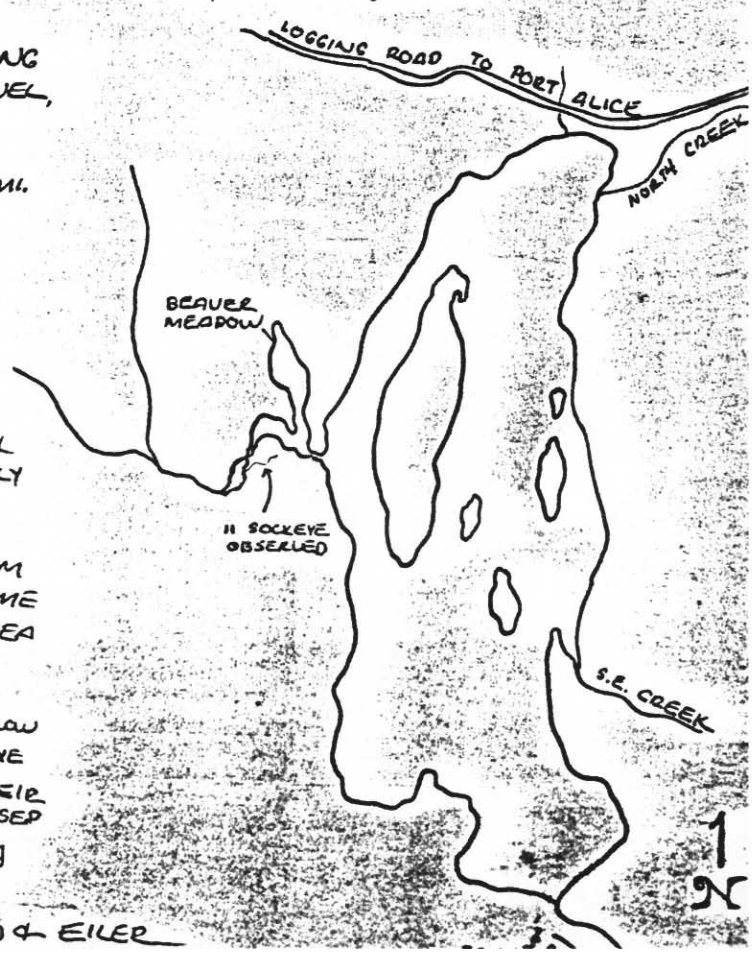

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