State of Alaska
Department of Fish and G
Nomination for Waters
Important to Anadromous Fish

CORDOVA A-1

ALASKA DEPT. OF FISH & GAME
MAR 2 1994
REGION II
HABITAT AND RESTORATION

AWC Volume SE (SC) SW W AR IN USGS Quad Bering Glacier A-8

Anadromous Water Catalog Number of Waterway 200-20-10050-2004

Name of Waterway Oaklee River Trib. USGS name X Local name X

Addition X Deletion ___ Correction ___ Backup Information ___

For Office Use

Nomination # 95 009	[signature] Regional Supervisor — Date 12/29/94
Revision Year:	Ed Weiss — Date 12/28/94
Revision to: Atlas ___ Catalog ___ Both X	[signature] Drafted — Date 1/5/95
Revision Code: A-2	

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Coho	See Prince William	X		X	X
Dolly Varden	Sound Annual Finfish		X		
Cutthroat Trout	Management Reports		X		
	1980 – 1992				

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 any other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: The Oaklee River has been ~~used~~ ~~[illegible]~~ used as an index stream via aerial surveys to gather escapement information for coho salmon

Name of Observer (please print) Steve Morstad

Date: 3-18-94 Signature: [signature]

Address: Box 669
Cordova, AK 99574

This certifies that in my best professional judgement 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: Wayne Donaldson

Rev. 7/93

DEC 19 '94 11:34

Appendix B.23. Aerial escapement indices by date and location for coho salmon returning to the Bering River Delta, 1994.

Bering River Delta [a] System and Drainage	Survey System	Aerial Escapement Indices by Survey Date						
		11 August	16 August	22 August	28 August	02 Sept.	08 Sept.	28 Sept.
Bering River	Bering River [b]	0	150	1,050	1,350	2,250	3,600 *	2,000
	Bering Lake	0	0	50	200	2,350	2,200 *	1,070
	Dick Creek	0	0	0	0	100	100 *	1,200
	Shepherd Creek - Lagoon	NS	0	NS	600	200	900 *	100
	Shepherd Creek	NS	NS	NS	NS	NS	NS	NS
	Carbon Creek	NS	NS	NS	NS	NS	NS	NS
Katalla River	Katalla River	0	200	300	2,700	3,200	4,500 *	1,970
Lower Bering River	Gandil River	NS	0	10	450	370	440	950 *
	Nichawak River	NS	100	700	800	1,200	1,050	2,000 *
Controller Bay	Campbell River	NS	NS	0	0	0	0	0
	Edwards River	NS	NS	750	800	2,600	2,700 *	1,500
	Okalee River	NS	NS	1,000	1,600	3,700	10,900 *	4,700
	Other Clear Streams	NS	NS	0	50	300	0	700 *
Bering River Aerial Survey Daily Index		0	450	3,860	8,550	16,270	26,390	16,190
Anticipated Escapement Index		600	1,190	7,500	11,250	11,250	21,300	17,400

Bering River Delta [a] System and Drainage	Survey System	Aerial Escapement Indices by Survey Date	Estimated Escapement		
		Oct 14	Site [c]	System [d]	Anticipated
Bering River	Bering River [b]	700	3,600	5,900	5,700
	Bering Lake	255	2,200		
	Dick Creek	230	100		
	Shepherd Creek - Lagoon	NS	900	900	
	Shepherd Creek	NS	NS		
	Carbon Creek	NS	NS		
Katalla River	Katalla River	200	4,500	4,500	4,900
Lower Bering River	Gandil River	NS	950	2,950	2,600
	Nichawak River	NS	2,000		
Controller Bay	Campbell River	NS	0	14,300	9,900
	Edwards River	NS	2,700		
	Okalee River	NS	10,900		
	Other Clear Streams	NS	700		
Bering River Aerial Survey Total		1,385		28,550	22,200
Anticipated Escapement Index		NA			

a The survey sites represent most of the known coho salmon spawning locations in the Bering River drainage. Weather permitting, the sites are surveyed weekly. The surveys provide information about the relative strength of escapement among years and within a year, time for spawning sites and relative escapement strength among sites. The indices are not intended to provide an actual estimate of escapement for coastal stocks but they have been for the purpose in the absence of any other escapement estimating method. The abbreviations used in the following table have the following meaning: NS = no survey, NC = surveyed but no count due to poor conditions. The + sign after some counts indicates that the count is the minimum estimate seen in less than ideal conditions. The symbol * indicates that this survey count was used as the peak survey for the site without duplication of counts for survey sites along migratory corridors (see footnote b).

b Bering River counts include coho observed in the Dos Miller Hill tributaries.

c The escapement estimates for each site is in the astricted survey estimate. Where the survey site is a terminal spawning area the peak count is used however, if the site is a schooling area for migratory fish bound for sites further upstream the count which minimizes possible duplication counts across dates selected.

d The sum of the estimates by site within a system

ALASKA DEPT. OF FISH & GAME
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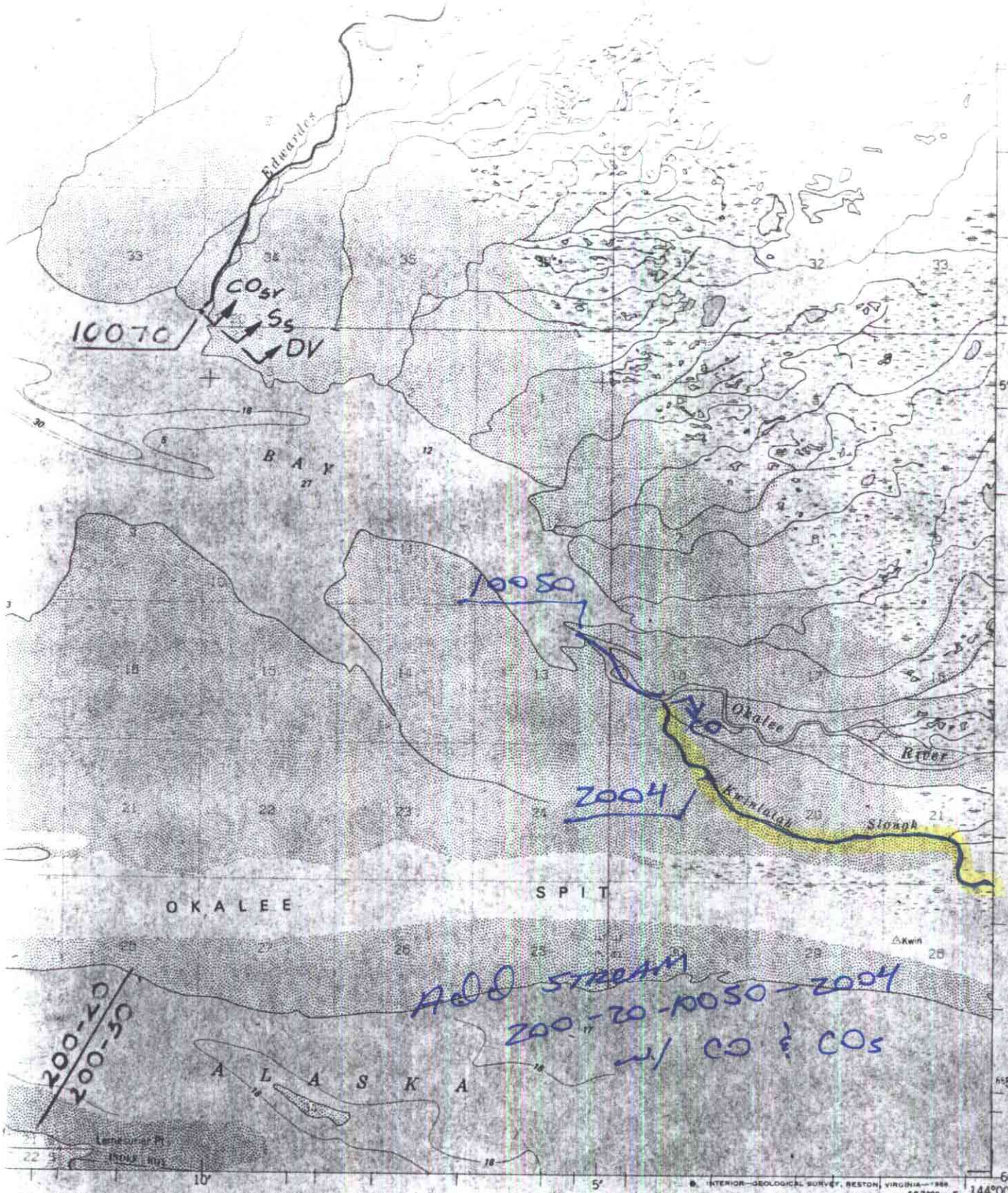
HABITAT AND RESTORATION DIVISION

Post-it® Fax Note 7671 | Date | # of pages ▶ 1
To Ed Weiss | From Slim
Co./Dept. Habitat | Co.
Phone # | Phone #
Fax # | Fax #

TITLE: CONTROLLER BAY STREAMS COHO SALMON AERIAL INDICES (Campbell R., Edwards R., Okalee R. & misc. streams)

Week Dates	Y1 1971	Y2 1972	Y3 1973	Y4 1974	Y5 1975	Y6 1976	Y7 1977	Y8 1978	Y9 1979	Y10 1980	Y11 1981	Y12 1982	Y13 1983	Y14 1984	Y15 1985	Y16 1986	Y17 1987	Y18 1988	Y19 1989	Y20 1990	Y21 1991	Y22 1992	Y23 1993	80-93 Mean	Antic. Weekly Survey
05/29-06/04																								NA	NA
06/05-06/11																								NA	NA
06/12-06/18																								NA	NA
06/19-06/25																								NA	NA
06/26-07/02																								NA	NA
07/03-07/09																								NA	NA
07/10-07/16																								NA	NA
07/17-07/23																								NA	NA
07/24-07/30																								NA	NA
07/31-08/06																								NA	NA
08/07-08/13																	0	0	0					0	0
08/14-08/20																50	85	0	0	1,440	0	112		241	213
08/21-08/27															1,300		1	200		3,152	60	1,760	324	971	805
08/28-09/03													600		18,565	2,060	2	1,370	NS		1,811	1,350	2,700	3,162	2,328
09/04-09/10										0		550			34,000	4,210	1,245		NS	13,840	6,580	3,260	7,000	7,069	6,969
09/11-09/17													4,650	4,500	8,000	3,100	2,740	3,325	9,000		9,760	3,750	6,160	5,499	6,997
09/18-09/24																2,810		4,660				6,180	13,600	6,813	8,284
09/25-10/01																3,300		3,270	7,250	10,110				5,983	6,825
10/03-10/08																			5,830					NA	NA
10/09-10/15																								NA	NA
10/16-10/22																55			5,580					NA	1,907
10/23-10/29																	10	120	6,017					2,049	NA
Peak Count										0		550	4,650	4,500	34,000	4,210	2,740	4,660	9,000	13,840	9,760	6,180	13,600	8,284	NA



SCALE 1:63360

1 2 3 4 MILES

6000 9000 12000 15000 18000 21000 FEET

1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 100 FEET
AL GEODETIC VERTICAL DATUM OF 1929
UNDINGS IN FEET-DATUM IS MEAN LOWER LOW WATER
RESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
RANGE OF TIDE IS APPROXIMATELY 9 FEET

ROAD CLASSIFICATION

No roads or trails in this area

QUADRANGLE LOCATION

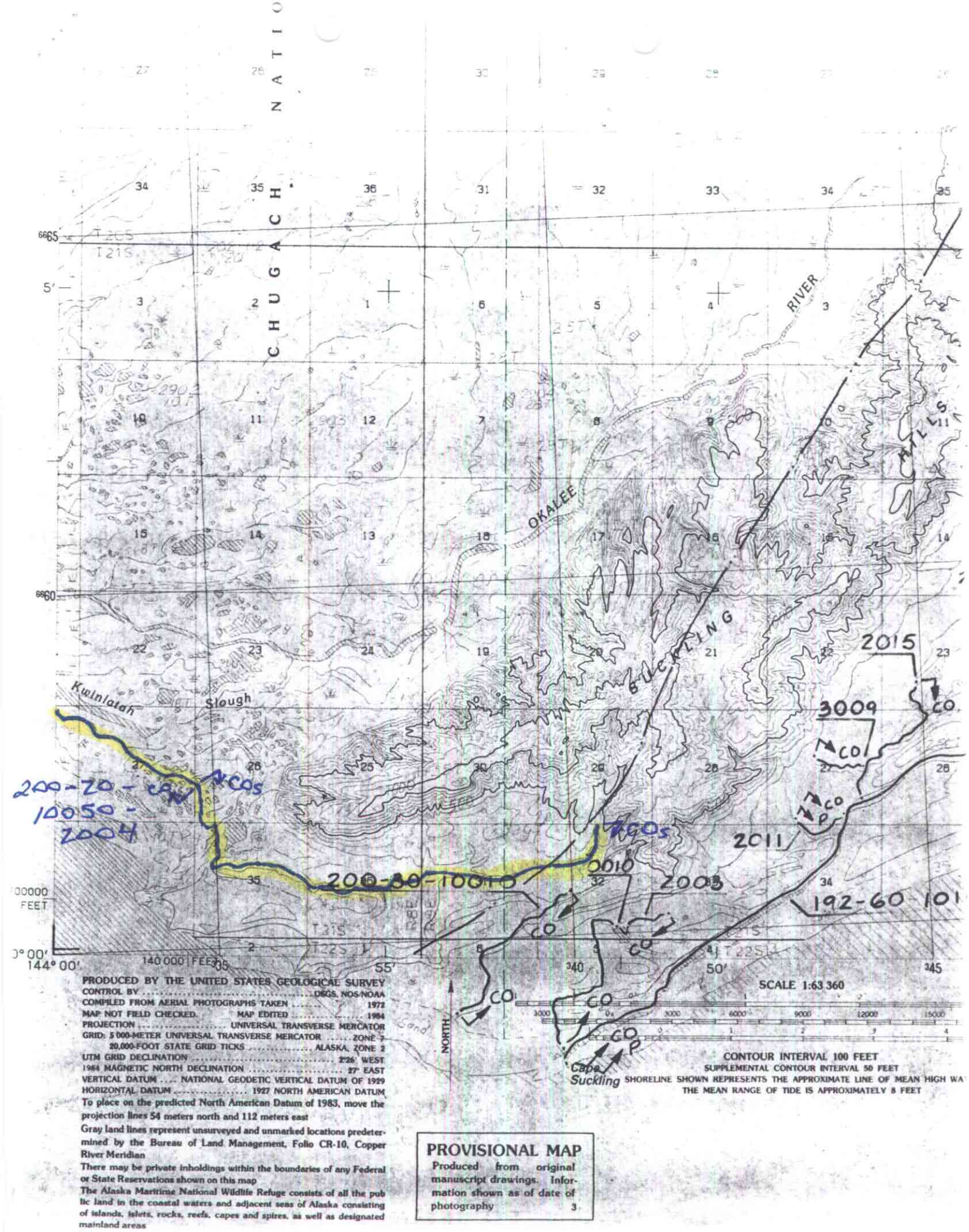
The Chugach National Forest consists of land areas within prescribed boundaries

CORDOVA (A-1), ALASKA

60144-A1-TF-063

1950

LIMITED REVISION 1988



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CONTROL BY	USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN	1972
MAP NOT FIELD CHECKED. MAP EDITED	1984
PROJECTION	UNIVERSAL TRANSVERSE MERCATOR
GRID: 5 000-METER UNIVERSAL TRANSVERSE MERCATOR	ZONE 7
20,000-FOOT STATE GRID TICKS	ALASKA, ZONE 2
UTM GRID DECLINATION	2°26' WEST
1984 MAGNETIC NORTH DECLINATION	27° EAST
VERTICAL DATUM	NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM	1927 NORTH AMERICAN DATUM

To place on the predicted North American Datum of 1983, move the projection lines 54 meters north and 112 meters east

Gray land lines represent unsurveyed and unmarked locations predetermined by the Bureau of Land Management, Folio CR-10, Copper River Meridian

There may be private inholdings within the boundaries of any Federal or State Reservations shown on this map

The Alaska Maritime National Wildlife Refuge consists of all the public land in the coastal waters and adjacent seas of Alaska consisting of islands, islets, rocks, reefs, capes and spires, as well as designated mainland areas

All streams and lakes are perennial

PROVISIONAL MAP

Produced from original manuscript drawings. Information shown as of date of photography

3

SCALE 1:63360

4 MILES

6000 9000 12000 15000 18000 21000 FEET

5 KILOMETERS

ADD STREAM
200-20 - 10050
w/ CO & COS

ROAD CLASSIFICATION

No roads or trails in this area

CONTOUR INTERVAL 100 FEET
AL GEODETIC VERTICAL DATUM OF 1929
UNDINGS IN FEET-DATUM IS MEAN LOWER LOW WATER
RESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
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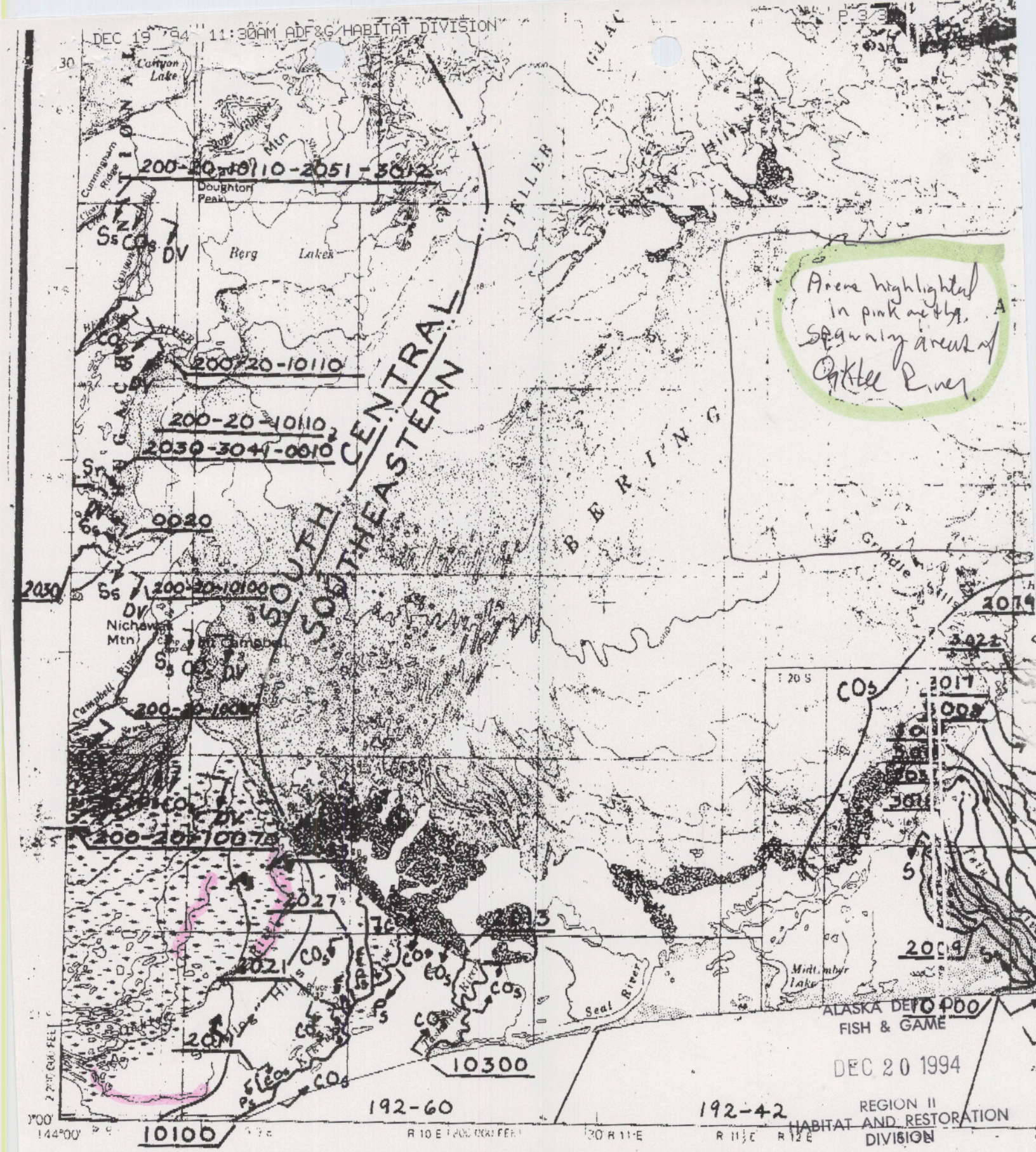

D, EDITED, AND PUBLISHED BY THE GEOLOGICAL SURVEY

L BY NOS/NOAA, AND INTERNATIONAL BOUNDARY COMMISSION

PHY BY PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHS
957. FIELD ANNOTATED 1959. REVISED IN PART FROM
HOTOGRAPHS TAKEN 1978. PURPLE SCREENED PATTERN SHOWN
IAL FEATURES INDICATES GLACIAL ADVANCE OR RECESSION,
S OF THE DATE OF PHOTOGRAPHY. MAP NOT FIELD CHECKED

SWAMPS, AS PORTRAYED, INDICATE ONLY THE WETTER AREAS,
USUALLY OF LOW RELIEF, AS INTERPRETED FROM AERIAL PHOTOGRAPHS

THERE MAY BE PRIVATE INHOLDINGS WITHIN THE BOUNDARIES OF
THE NATIONAL OR STATE RESERVATIONS SHOWN ON THIS MAP

THE ALASKA MARITIME NATIONAL WILDLIFE REFUGE

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L BY NOS/NOAA, AND INTERNATIONAL BOUNDARY COMMISSION

APHY BY PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHS
957. FIELD ANNOTATED 1959. REVISED IN PART FROM
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S OF THE DATE OF PHOTOGRAPHY. MAP NOT FIELD CHECKED

ON AND 10,000-METER GRID TICKS SHOWN IN BLUE:
L TRANSVERSE MERCATOR, ZONE

SWAMPS, AS PORTRAYED, INDICATE ONLY THE WETTER AREAS,
USUALLY OF LOW RELIEF, AS INTERPRETED FROM AERIAL PHOTOGRAPHS

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THE NATIONAL OR STATE RESERVATIONS SHOWN ON THIS MAP

THE ALASKA MARITIME NATIONAL WILDLIFE REFUGE CONSISTS OF
ALL THE PUBLIC LAND IN THE COASTAL WATERS AND ADJACENT
SEAS OF ALASKA

Sewah Creek

Edwardes River

Southeastern Southcentral

NATIONAL FOREST

CHUGACH

OKALEE RIVER

BUCKLING HILLS

Kwinlatah Slough

Sand

Cape Suckling

Kikluk

DV Ss COsr

COsr Ss DV

CO COS

CO

P

2011

2015

2071

3009

0010

2005

200-30-10010

192-60-10100

PROVISIONAL MAP

Produced from original manuscript drawings. Information shown as of date of photography 3

PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY

CONTROL BY ..... USGS, NOS/NOAA

COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1972

MAP NOT FIELD CHECKED. MAP EDITED 1984

PROJECTION ..... UNIVERSAL TRANSVERSE MERCATOR

GRID: 5 000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 7

20,000-FOOT STATE GRID TICKS ..... ALASKA, ZONE 2

UTM GRID DECLINATION ..... 2°26' WEST

1984 MAGNETIC NORTH DECLINATION ..... 27° EAST

VERTICAL DATUM .... NATIONAL GEODETIC VERTICAL DATUM OF 1929

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All streams and lakes are perennial

Swamps, as portrayed, indicate only wetter areas, usually of low relief, as interpreted from aerial photographs

SCALE 1:63 360

CONTOUR INTERVAL 100 FEET

SUPPLEMENTAL CONTOUR INTERVAL 50 FEET

SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER

THE MEAN RANGE OF TIDE IS APPROXIMATELY 8 FEET

ADJOINING QUADRAN

AC Arctic Char
C Cutthroat Trout
CO Coho Salmon
P Pink Salmon
S Sockeye Salmon
SF Sheefish

COMP

DRAWN EI

PROJ. TITLE

ANADROMOUS WATERS CATALOG