

TP-00808

TP-00808

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h1>DESCRIPTIVE REPORT</h1>	
<i>Map No.</i> TP-00808	<i>Edition No.</i> 1
<i>Job No.</i> CM-7412	
<i>Map Classification</i> FINAL MAP - FIELD EDITED	
<i>Type of Survey</i> SHORELINE	
<h2>LOCALITY</h2>	
<i>State</i> ALASKA	
<i>General Locality</i> COOK INLET, EAST SIDE CAPE KASLOF TO BARREN ISLANDS	
<i>Locality</i> CHINA POOT BAY	
<div style="border: 1px solid black; padding: 5px; text-align: center;">           19 75 TO 1980         </div>	
<h2>REGISTERED IN ARCHIVES</h2>	
<i>DATE</i>	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP. 00808	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. (1)	
				<input type="checkbox"/> RESURVEY		MAP CLASS Final	
				<input type="checkbox"/> REVISED		JOB <del>BK</del> CM-7412	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, AMC, Norfolk, VA				LAST PRECEDING MAP EDITION			
OFFICER-IN-CHARGE  Roy K. Matsushige				TYPE OF SURVEY		JOB PH. _____	
				<input type="checkbox"/> ORIGINAL		MAP CLASS _____	
				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation - North Sect Oct. 6, 1975 Compilation - North Sect May 3, 1976 Amendment I Aug. 17, 1976 Amendment II Jan. 14, 1977 Aerotriangulation - South Sect Oct. 4, 1976 Compilation - South Sect Aug. 2, 1979				Premarking May 6, 1975			
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input checked="" type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL				OTHER (Specify)			
3. MAP PROJECTION				4. GRID(S)			
Transverse Mercator				STATE Alaska		ZONE 4	
5. SCALE 1:10,000				STATE		ZONE	
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				B. Thornton		Jan 1977	
METHOD: Analytic South half LANDMARKS AND AIDS BY				J. Perrow, Jr.		Jan 1977	
2. CONTROL AND BRIDGE POINTS PLOTTED BY				B. Thornton		Jan 1977	
METHOD: Coradomat CHECKED BY				J. Perrow, Jr.		Jan 1977	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				J. Moler/F. Mauldin		May 1980	
COMPILATION CHECKED BY				J. Roderick		May 1980	
INSTRUMENT: Wild B-8				CONTOURS BY		N.A.	
SCALE: 1:10,000 CHECKED BY				N.A.			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				R. Kravitz		May 1980	
CHECKED BY				F. Mauldin		Jun 1980	
METHOD: Smooth drafted and				CONTOURS BY		N.A.	
graphic CHECKED BY				N.A.			
SCALE: 1:10,000 HYDRO SUPPORT DATA BY				R. Kravitz		May 1980	
CHECKED BY				F. Mauldin		Jun 1980	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				F. Mauldin		Jun 1980	
BY				L. Williams		Mar 1981	
6. APPLICATION OF FIELD EDIT DATA CHECKED BY				F. Margiotta		Oct 1981	
BY				F. Margiotta		Oct 1981	
7. COMPILATION SECTION REVIEW BY				C. Blood/J. Byrd		Jul 1985	
BY				J. Byrd		Nov 1985	
8. FINAL REVIEW BY				C. Dempsey		Mar 1986	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				E. DAUGHERTY		MAY 86	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY							
11. MAP REGISTERED - COASTAL SURVEY SECTION BY							

NOAA FORM 76-36B  
(3-72)

TP-00808

U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC 8E 152.71 mm Wild RC 10C 88.47 mm		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	
<input checked="" type="checkbox"/> PREDICTED TIDES				Alaska	
<input checked="" type="checkbox"/> REFERENCE STATION RECORDS				MERIDIAN	
<input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				150th	
				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
75E(C) 9969-9970#	Jul. 5, 1975	10:51	1:30,000	13.4 ft. above MLLW	
75C(C) 7212-7213#	Aug. 3, 1975	10:34	1:60,000	12.9 ft. above MLLW	
75E(C) 0006-0010#	Jul. 5, 1975	11:36	1:30,000	14.8 ft. above MLLW	
75E(I) 1457-1460*	Aug. 7, 1975	12:35	1:30,000	18.16 ft. above MLLW	
75E(I) 0483-0485*	Jul. 8, 1975	12:53	1:30,000	16.57 ft. above MLLW	
76E(I) 3993-3994*	Jun. 11, 1976	13:26	1:30,000	18.47 ft. above MLLW	
75E(I) 1510-1513**	Aug. 10, 1975	10:48	1:30,000	0.50 ft. above MLLW	
75E(I) 1502-1503**	Aug. 10, 1975	10:40	1:30,000	0.20 ft. below MLLW	
76E(I) 4078-4079**	Jun. 12, 1976	09:14	1:30,000	0.49 ft. below MLLW	
76E(I) 4530-4532**	Jun. 28, 1976	09:35	1:30,000	0.37 ft. above MLLW	

## REMARKS

Mean tide range 15.4 ft. Seldovia  
#Bridge and/or compilation photograph centers are not shown on the manuscript. A  
tide gage was read at Seldovia during the time of infrared photograph exposure.  
The Mean High Water at Seldovia is 17.0 ft. above MLLW.

## 2. SOURCE OF MEAN HIGH-WATER LINE:

\*, #The MHWL was compiled from office interpretation of the above listed 1:30,000 and 1:60,000 color photographs using stereo instrument methods. Compilation was supplemented by graphic methods using the MHW tide coordinated infrared (ratio) photographs.

3. SOURCE OF ~~MEAN LOW-WATER~~ MEAN LOWER LOW-WATER LINE:

\*\*The MLLW line was compiled graphically from the above tide coordinated infrared ratio photographs.

## 4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

## 5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00804	TP-00809	TP-00812	TP-00807

## REMARKS

TP-00808

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION (Premarking) ☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Melby	Jun 1976
2. HORIZONTAL CONTROL	RECOVERED BY R. Melby	Jun 1976
	ESTABLISHED BY R. Melby	Jun 1976
	PRE-MARKED OR IDENTIFIED BY R. Melby	Jun 1976
3. VERTICAL CONTROL	RECOVERED BY None	
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED Paneled		2. VERTICAL CONTROL IDENTIFIED	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
76C(C) 4984	POOT, 1976		

## 3. PHOTO NUMBERS (Clarification of details)

None

## 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

## 7. SUPPLEMENTAL MAPS AND PLANS

None

## 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

1 Form 76-53

Project data: 2 Form 177, 1 Form 77-53 (Tides Record Books)

NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

TP-00808

## HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	W. Mobley	Jul 1980
2. HORIZONTAL CONTROL	RECOVERED BY J. Talbot	Jul 1980
	ESTABLISHED BY M. McCluskey	Jul 1980
	PRE-MARKED OR IDENTIFIED BY None	
3. VERTICAL CONTROL	RECOVERED BY None	
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY R. Hastings	Jul 1980
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY None	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

75E(I)1503, 1510, 1512, 1513

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☐ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☐ NONE

7. SUPPLEMENTAL MAPS AND PLANS

Power Cable Plan

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

Master Field Edit Print

Field Edit Report

## RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete, pending field edit	Jun-6, 1980	Class III manuscript	June 1980	June 1980
Field edit applied compilation complete	Oct. 1981	Class I Map	Aug 1981	
			mar 1986	mar 1986
Final Review	July 1985	Final Map		

## II. LANDMARKS AND AIDS TO NAVIGATION None

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
			None

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: None3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

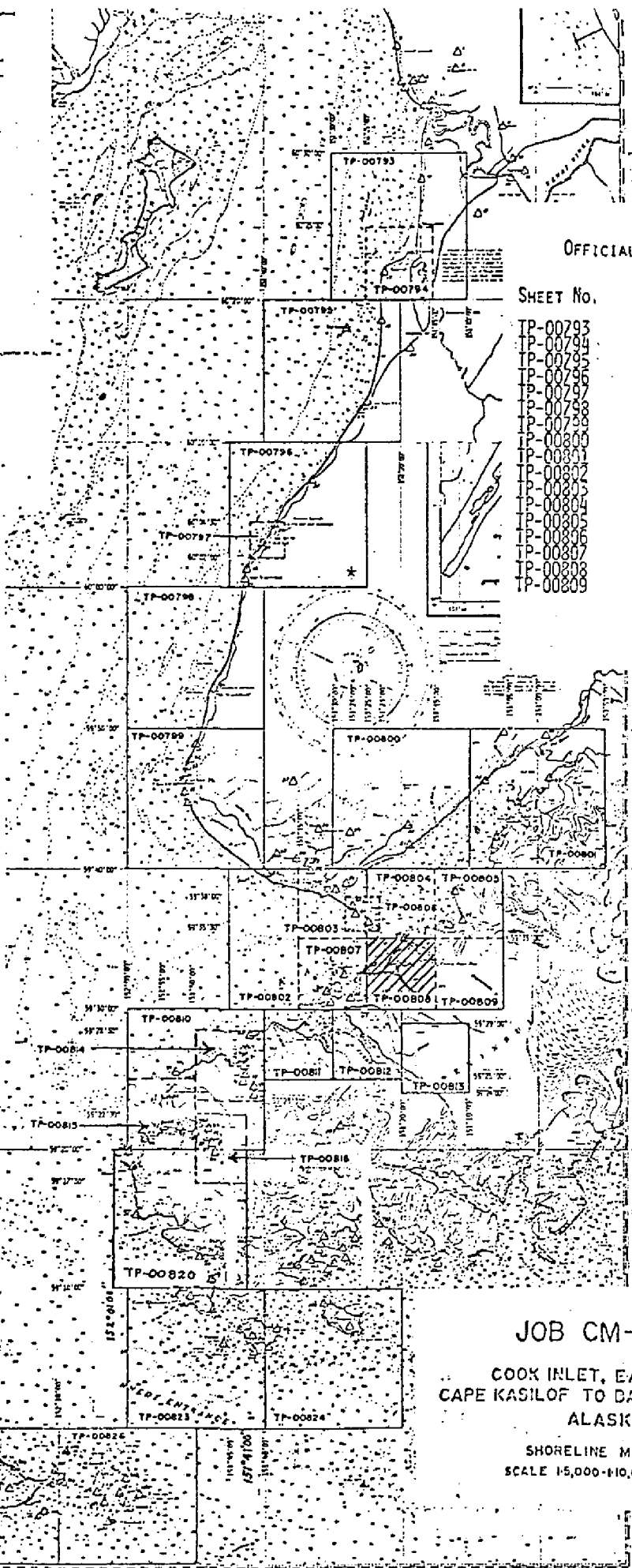
## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS. 76-40 ~~76-40~~ SUBMITTED BY FIELD PARTIES.  
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: \_\_\_\_\_

## IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	



OFFICIAL MILEAGE FOR COST ACCOUNTS

SHEET No.	Sq. Mi.	SHEET No.	Sq. Mi.
TP-00793	7	TP-00810	17
TP-00794		TP-00811	
TP-00795		TP-00812	
TP-00796		TP-00813	
TP-00797		TP-00814	
TP-00798		TP-00815	
TP-00799		TP-00816	
TP-00800			
TP-00801			
TP-00802			
TP-00803			
TP-00804			
TP-00805			
TP-00806			
TP-00807			
TP-00808			
TP-00809			
		TP-00820	14
		TP-00823	
		TP-00824	
		TP-00825	
		TP-00826	
		TP-00827	
		TOTAL	195

REVISED 9/23/75 R.W.  
6/13/79 L.F.V.

JOB CM-7412

COOK INLET, EAST SIDE  
CAPE KASLOF TO DARREN ISLANDS  
ALASKA

SHORELINE MAPPING  
SCALE 1:5,000-1:10,000-1:20,000

MARCH 1974

6

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-00808

This 1:10,000 Final shoreline map is one of twenty-nine maps designated as project CM-7412, Cook Inlet, East Side, Cape Kasilof to Barren Islands, Alaska.

5

The purpose of this project was to provide current charting information for nautical chart maintenance and to furnish support data for hydrographic operations. This Final Map covers China Poot Bay, an area from longitude 151°15.0' to the east, to longitude 151°25.0' to the west and between latitude 59°35.0' to 59°30.0'.

Field work prior to compilation consisted of the recovery and identification of the horizontal control necessary for the aerotriangulation of the project and establishing and monitoring tide gages while the photography was being taken for the tide coordinated infrared photographs. This activity was completed in June 1976.

Photographic coverage was adequately provided by natural color and infrared tide coordinated photographs. Natural color film was used for the aerotriangulation compilation photographs in the RC-8(E) camera for 1:30,000 scale and the RC-10(C) camera for 1:60,000 scale taken July and August 1975. The RC-8 (E) camera was used for the infrared black-and-white 1:30,000 scale photographs taken July, August 1975 and June 1976. The infrared photographs were used to supplement the color compilation photography.

Analytic aerotriangulation was adequately provided by the Washington Science Center for the south part of the project in January 1977. Aerotriangulation operations included ruling the base manuscript and determining ratio values for the infrared photographs.

Compilation, based upon photointerpretation, was performed by the Coastal Mapping Unit at the Atlantic Marine Center in June 1980. Refer to the compilation report, item #31 and NOAA Form 76-36B for specific usage of the photography.

Field edit was conducted in July 1980 by hydrographic personnel assigned to the NOAA ship RAINIER. Field edit for this manuscript is complete and was applied to the manuscript by the Coastal Mapping Unit, Atlantic Marine Center in October 1981.

Final review was performed at the Atlantic Marine Center in July 1985. A Chart Maintenance Print was prepared and forwarded to the Marine Charts Branch.

This Descriptive Report contains all pertinent information used to compile this Final Map. The original base manuscript and all related data were forwarded to the Washington Science Center for final registration.



## FIELD INSPECTION

TP-00808

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification (premarking) of the horizontal control necessary for the aerotriangulation of the project and the monitoring of tide gages for the tide coordinated infrared photographs.

Photogrammetric Plot Report  
Cape Kasilof to Barren Islands

Job CM-7412  
South ~~ART~~  
January 1977

Job index was revised June 13, 1979  
Number of sheets compiled, revised  
March 7, 1984 C.E.B.

Area Covered

The area covered by this report is the south central coastal area of Cook Inlet, Alaska, from ~~Cape Kasilof~~ <sup>Archemak Bay</sup> to Barren Island. This area is covered by ~~six~~ <sup>ten</sup> 1:20,000 scale sheets, ~~eight~~ <sup>ten</sup> 1:10,000 scale sheets, and ~~seven~~ <sup>ten</sup> 1:5,000 scale sheets.  
Canceled

Method

Nine strips (four 1:60,000 scale, five 1:30,000 scale) of bridging photography were measured by analytic aerotriangulation methods. The nine strips of bridging photography were controlled by field identified control including some additional points drilled and tied from the 1:60,000 scale photography to the 1:30,000 scale photography where field identified control was inadequate for a satisfactory strip adjustment.

Common points were located on the bridging photography and the tide controlled IR for ratio purposes. Tie points were used in all strips to insure an adequate junction of all strips during the strip adjustments. Ties to the compilation photography were made also.

The manuscripts are being plotted on the coradomat and will be sent upon completion.

Ratios have been ordered for the MHW and MLLW (1-6-77). A copy of this order will be included in this report.

Adequacy of Control

Several stations (Tutka-000158, Halibut Cove Light, Panel - 12101, Table Mtn., Panel-178101) were bad due to snow coverage or other reasons which made it difficult to obtain an adjustment adequate to N.M.A.S.

Strip #1, 76-C(C) 4975 thru 4987 was terminated early when flown, (planned originally to extend from sheet 801 thru 823) which gave us weak and poorly distributed control to properly check and strengthen overlapping strips.

There was a problem with the "C" camera, which was used for several of the bridging strips, that introduced a random error into the strip adjustments. This problem was bypassed by removing the correction values for film distortion in the strip adjustments.

In conclusion, with all the problems encountered and their respective errors introduced into the job, the adequacy of control overall is fair.

Supplemental Data

USGS quadrangles were used to provide vertical control for the strip adjustments.

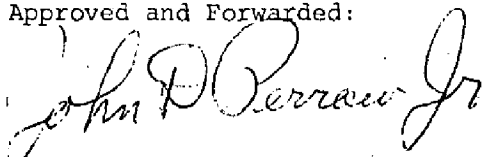
Photography

The coverage, overlap and quality of the photography was adequate for the job with the exception of the above mentioned "C" camera.

Submitted by:

Brian Thornton

Approved and Forwarded:



Chief, Aerotriangulation Section

# Dist and Accuracy of Control Used in Strip Adjustment

x-error y-error

Strip #1

310100	1.092	- .446
307100	-3.443	1.765
12100	.803	-1.021
984100	2.971	-.047
977101	-3.278	-.076
986101	1.253	.431

Strip #10

203100	-.543	-3.777
944100	2.985	4.840
206100	-3.549	-3.305
207100	1.142	5.249
977101	.318	-3.937
12100	-.845	1.438

Strip #12

178101	3.435	2.681
179100	1.047	-3.350
180101	-4.475	1.956
181100	.021	-1.299

# Dist and Accuracy of Control Used in Strip Adjustment

x-error y-error

Strip #11

219101 1.518 .598

221100 -3.964 .647

223100 3.269 -3.324

203100 -.840 2.100

Strip #4

995801 .001 .006

997101 -.001 -.005

985805 .001 -.003

Strip #6

206100 .000 -.010

964100 .001 -.011

207100 .006 -.007

Strip #7

992112 -3.929 -1.672

941100 1.088 3.253

964100 -.570 -.973

169 -1.089 -.030

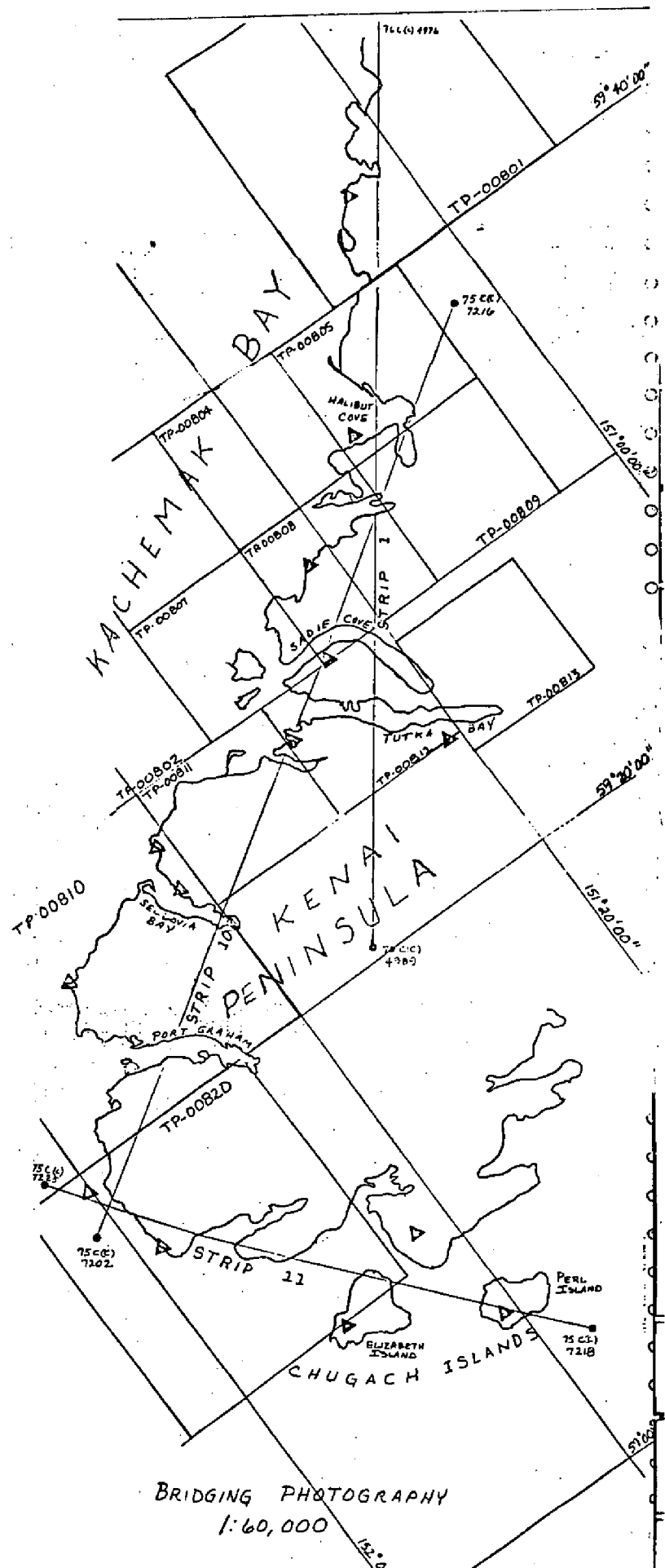
# List and Accuracy of Control Used in Strip Adjustment

strip #8

	u-error	y-error
941100	-1.785	-2.540
944100	1.521	-1.094
203100	-1.481	-.632
203802	1.826	-2.245

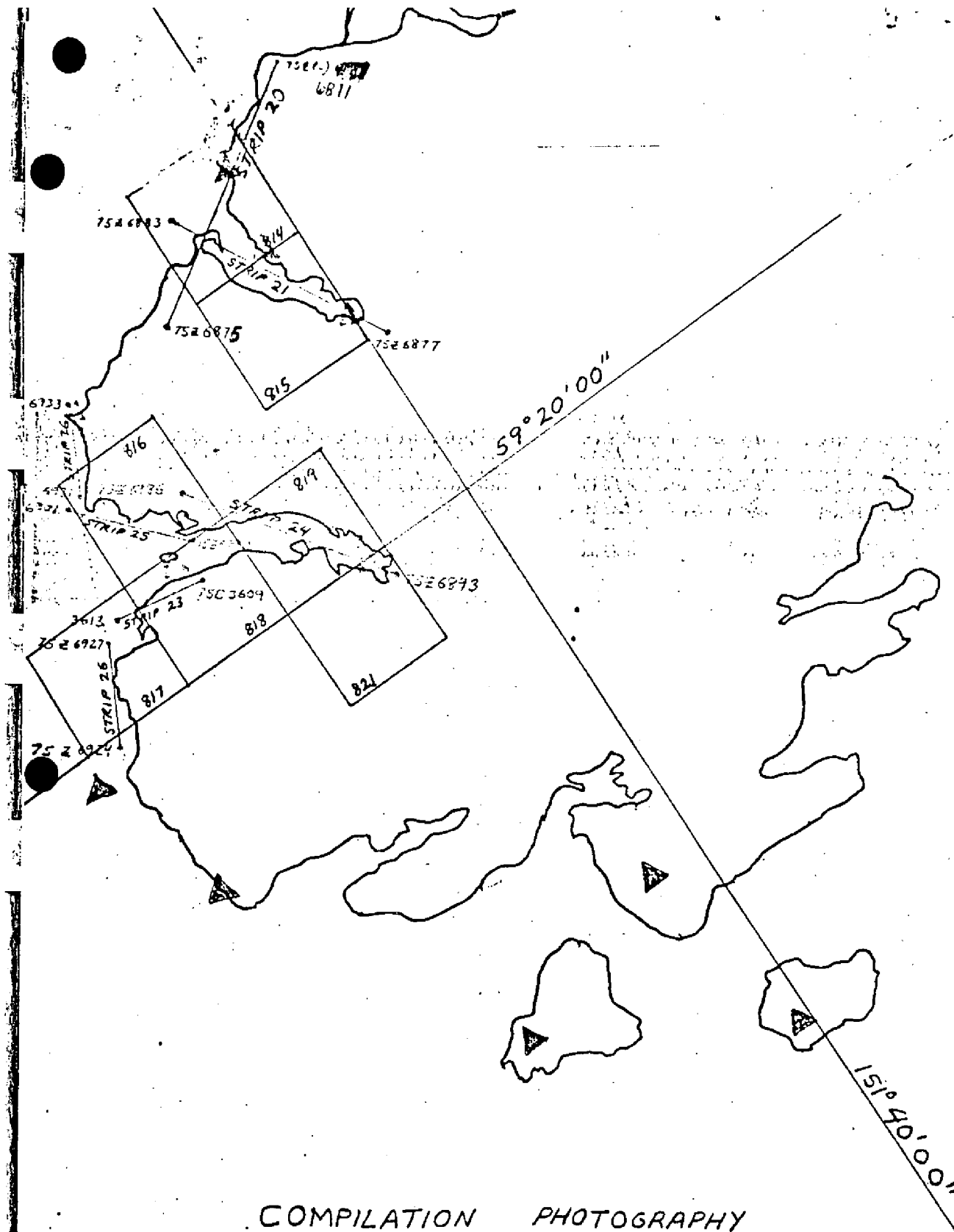
strip #9

955101	-.515	1.133
944100	3.529	2.770
204803	-.118	-.672
204804	1.503	-1.036
204806	-.621	.619



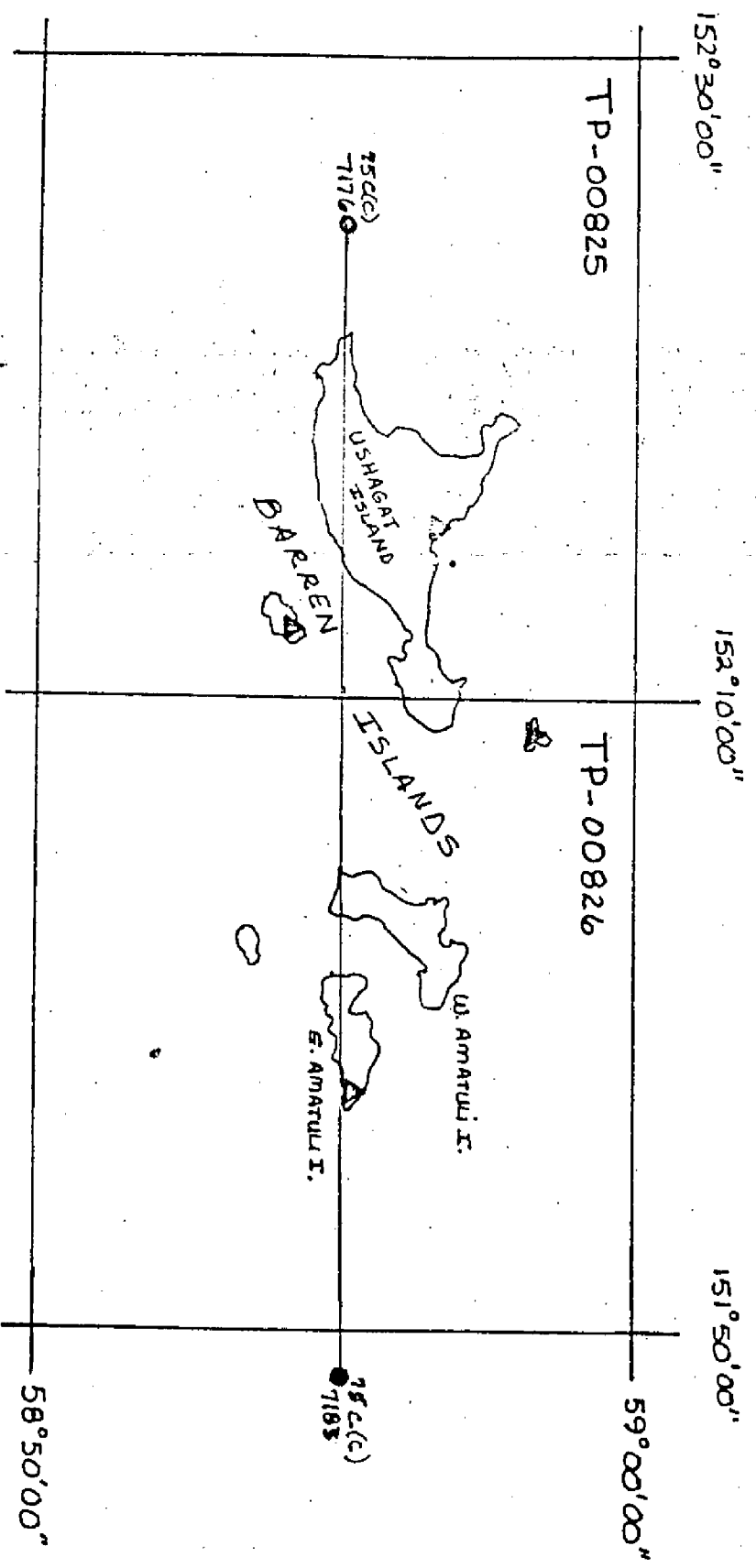






COMPILATION PHOTOGRAPHY

1:15,000



BRIDGING 1:69,000

STRIP 12

1:20,000

COMPILATION PHOTOGRAPHY  
1:15,000

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.		JOB NO.		GEODETTIC DATUM		ORIGINATING ACTIVITY		REMARKS	
TP-C0808		CM-7412		N.A. 1927		Unit, AMC, Norfolk, VA			
STATION NAME		SOURCE OF INFORMATION (Index)		COORDINATES IN FEET		GEOGRAPHIC POSITION			
				STATE Alaska		φ LATITUDE			
				ZONE 4		λ LONGITUDE			
RUG 2, 1965	List of Control Kache-mak Bay	63		X=	φ 59 32 52.263				
	Area of Control			Y=	λ 151 24 50.369				
POOT, 1976	List of Control, Field			X=	φ 59 33 21.034				
	Geo Position	984100		Y=	λ 151 21 43.382				
ODIN, 1980	Field Position			X=	φ 59 30 41.909				
	Film Copy			Y=	λ 151 22 54.163				
CHICAGO, 1980	Field Position			X=	φ 59 33 37.045				
	Film Copy			Y=	λ 151 15 45.032				
PETER, 1980	Field Position			X=	φ 59 34 06.289				
	Film Copy			Y=	λ 151 15 46.949				
SON, 1980	Field Position			X=	φ 59 34 28.787				
	Film Copy			Y=	λ 151 16 11.884				
CHINA, 1980	Field Position			X=	φ 59 33 55.930				
	Film Copy			Y=	λ 151 15 57.839				
TROLL, 1980	Field Position			X=	φ 59 34 48.047				
	Film Copy			Y=	λ 151 17 34.228				
RESERVATION, 1980	Field Position			X=	φ 59 33 59.280				
	Film Copy			Y=	λ 151 17 35.242				
				X=	φ				
				Y=	λ				
COMPUTED BY	R. Kravitz	DATE	6/2/80	COMPUTATION CHECKED BY		F. Mauldin		DATE	6/2/80
LISTED BY	R. Kravitz	DATE	5/15/80	LISTING CHECKED BY		F. Mauldin		DATE	6/2/80
HAND PLOTTING BY	L. Williams	DATE	3/81	HAND PLOTTING CHECKED BY		F. Margiotta		DATE	10/81

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

## COMPILATION REPORT

TP-00808

31 - DELINEATION

Delineation was accomplished by stereo instrument and graphic compilation methods. The Wild B-8 stereoplotter with 1:30,000 and 1:60,000 scale color bridging photographs was used to delineate alongshore and interior detail, and to locate common image points to graphically control the 1:30,000 scale infrared photography. Supplemental tide coordinated infrared photographs for both MHW and MLLW were used to delineate the MHW MLLW lines graphically.

All photographs used to compile this map are listed on NOAA Form 76-36B. Photography was adequate.

32 - CONTROL

Horizontal control was adequate. Refer to the Photogrammetric Plot Report, dated January, 1977.

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours were not applicable to this project.

Drainage was compiled from interpretation of the photographs and delineated by using the Wild B-8 stereoplotter.

35 - SHORELINE AND ALONGSHORE DETAILS

Alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

The mean high water line was delineated from the photographs described in item #31.

36 - OFFSHORE DETAILS

Offshore detail was compiled by instrument and graphic methods as described in item #31.

37 - LANDMARKS AND AIDS

There are no charted aids for navigation, or landmarks within the limits of this map.

TP-00808

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the he Data Record Form 76-37B, item 5.

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to item 32.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with the U.S. Geological Survey  
quadrangle:

Seldovia (C-4), Alaska, scale 1:63,360, dated 1961

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean  
Survey charts:

No. 16645, scale 1:82,662, dated Mar. 13, 1976

No. 16640, scale 1:200,000, dated May 24, 1974.

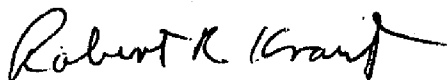
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD


None.

Submitted by:



Robert Kravitz  
Cartographic Technician  
May 20, 1980

Approved:

  
Albert C. Rauck, Jr.  
Chief, Coastal Mapping Section

March 22, 1984

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH - 7412 (Cook Inlet, East Side - Cape Kasilof to Barren Islands, Alaska)

TP - 00808

China Poot Bay

Kachemak Bay

McKeon Flats

McKeon Rock

Neptune Bay

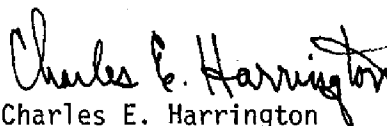
Peterson Bay

Quiet Creek

Silver Creek

Stonehocker Creek

Approved by;



Charles E. Harrington  
Chief Geographer  
Nautical Charting Division

## FIELD EDIT REPORT

OPR-P114-RA-80  
CM-7412  
TP-00808

ALASKA

COOK INLET, EAST SIDE

CAPE KASILOF TO BARREN ISLANDS

1 FIELD UNIT

JULY 27 - JULY 31, 1980  
(JD 209 - 213)



## 51 METHODS

Field edit operations for TP-00808 began on July 27, 1980 (JD 209) and ended on July 31, 1980 (JD 213). Field edit began after hydrographic operations had commenced on OPR-P114-RA-80. Hydrographic surveys H-9877, H9884, and H9893 include all the shoreline of TP-00808.

Inspection of the shoreline was made during both low water and high water using a small boat. Landmarks for charts were investigated from seaward.

Heights of rocks were estimated at close range. The times noted were GMT (Alaska Daylight Time + 9 hours).

Shoreline and topographic notes were annotated on black and white chronopaque photographs, 75 ER - 1503, 1510, 1512, 1513 and/or the Master Field Edit Print. Annotations were made with the following ink colors: violet - verification or change in features; green - deletion of features; red - hydrographic features.

## 52 ADEQUACY OF COMPILATION

The compilation of TP-00808 was adequate and complete except for minor changes. The changes were noted on the photographs and/or the Master Field Edit Print. All compilation questions have been answered. The mean high water line was verified by visual inspection.

## 53 MAP ACCURACY

The map accuracy of TP-00808 could not be determined as there were no stations compiled on NOAA form 76-40. (See Separates).

## 54 RECOMMENDATIONS

Matte ratio photographs were not available for field use. Therefore, extreme care was necessary while using the chronopaque photographs in the field. It is recommended that matte ratio photographs be made available to the field parties in the future, as has been the normal procedure in the past.

## 56 MISCELLANEOUS

Open communication was maintained between the field editor and hydrographer. Any duplication of information was reviewed with only one source being retained. Generally the determining factor was the field edit photographs. If the object in question was visible on the photographs, it was considered as field edit information and the duplicating hydrographic data was deleted. If the object was not visible on the photographs it was considered as hydrographic information and so reported.

All triangulation stations located within the limits of TP-00808 were visited. Seven new traverse stations were established by the RAINIER using Third Order, Class I methods. Station descriptions and recovery notes are included in the "Separates".

All other pertinent information is included in the "Separates Following the Text".

Respectfully Submitted,

*Richard L. Hastings*

Richard L. Hastings, SST

Approved By,

*Wayne L. Mobley*

Wayne L. Mobley  
Captain, NOAA

REVIEW REPORT  
TP-00808  
SHORELINE

61 - GENERAL STATEMENT

See Summary included with this Descriptive Report.

62 - COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63 - COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with the U.S.G.S. quadrangle:  
Seldovia (C-4), Alaska, scale 1:63,360, dated 1961

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

The contemporary survey H-9877, 1:20,000 scale dated December 8, 1982, was compared to this manuscript. The contemporary surveys H-9884 and H-9893 were not available for comparison at the time of final review July 1985.

65 - COMPARISON WITH NAUTICAL CHARTS

Comparisons were made with the following NOS charts:  
16645, scale 1:82,662, dated July 30, 1983  
16645, scale 1:82,662, dated March 13, 1976  
16640, scale 1:200,000, dated April 23, 1983.

A comparison between the earlier dated March 1976 chart with the latest dated charts indicate that a rock was added to current charts from the unreviewed Class III Chart Maintenance Print submitted to Marine Charts July, 1980. The intended purpose of showing this offshore rock on the 1980 Chart Maintenance Print was to advise the Hydrographer of potential hazard. The Hydrographer was expected to determine whether or not the rock existed. It was never intended for charting purposes because the photointerpretation of the rock did not render positive identification. The field investigation of the rock revealed it to be nonexistent at the time hydrography was performed, May and June 1981. The nonexistent rock was removed from the Final Map. This and other recommended changes are annotated on the Final Chart Maintenance Print.

The current charts show the shoreline as it is shown on this Final Map, which was changed from the 1976 chart 16645.

TP-00808

66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

Submitted by:

*Charles E. Blood / J. Byrd*

Charles E. Blood/James L. Byrd, Jr.  
Final Reviewer

Approved for forwarding:

*Billy H. Barnes*

Billy H. Barnes  
Chief, Photogrammetric Section, AMC

Approved:

*John A. Mooney*

Chief, Photogrammetry Branch

*Ronald K. Brewer*

Chief, Photogrammetry Division

**FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.**

**A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart**

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Re-

[illegible]