

TP-00810

TP-00810

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. TP-00810	Edition No. 1
Job No. CM-7412	
Map Classification FINAL MAP - FIELD EDITED	
Type of Survey SHORELINE	
LOCALITY	
State ALASKA	
General Locality COOK INLET, EAST SIDE CAPE KASILOF TO BARREN ISLANDS	
Locality POINT POGIBSHI	
19 ⁷⁵ TO 19 ⁸⁰	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Norfolk, Virginia		SURVEY TP. <u>00810</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB <u>XXXX CM-7412.</u>	
OFFICER-IN-CHARGE Roy K. Matsushige		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__			
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Aerotriangulation - North Sect. Oct. 6, 1975 Compilation - North Sect May 3, 1976 Compilation - Amend I Aug. 17, 1976 Compilation - Amend 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 Transverse Mercator		4. GRID(S) STATE <u>Alaska</u> ZONE <u>4</u>	
5. SCALE 1:20,000		STATE _____ ZONE _____	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	
DATE			
1. AEROTRIANGULATION BY METHOD: Analytic (South Sect) AND MARKS AND AIDS BY		B. Thornton Jan 1977	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY		J. Perrow, Jr. Jan 1977	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY		S. Solbeck Jan. 1977	
INSTRUMENT: Wild B-8 SCALE: 1:20,000 CONTOURS BY		J. Perrow, Jr. Jan 1977	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY		F. Mauldin Feb 1980	
METHOD: CONTOURS BY		L. O. Neterer, Jr. Feb. 1980	
SCALE: 1:20,000 HYDRO SUPPORT DATA BY		N.A.	
CHECKED BY		N.A.	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		F. Mauldin Feb 1980	
6. APPLICATION OF FIELD EDIT DATA BY		R. Kravitz Mar 1980	
CHECKED BY		R. Kravitz	
7. COMPILATION SECTION REVIEW BY		R. Kravitz Mar 1980	
8. FINAL REVIEW BY		L. Williams Jul 1981	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		I. Perkinson Oct 1981	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		I. Perkinson Oct 1981	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		J. Byrd Jun 1985	
		J. Byrd Nov 1985	
		P. Dempsey Mar 1986	
		E. DAUGHERTY MAY 86	

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00810
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
75C(C) 7203-7206#	Aug. 3, 1975	11:18	1:60,000	12.9 ft. above MLLW
75C(C) 9993-9994#	Jul. 5, 1975	11:15	1:30,000	13.5 ft. above MLLW
75C(I) 1449-1451*	Aug. 7, 1975	12:17	1:30,000	17.3 ft. above MLLW
75C(I) 1490-1492**	Aug. 10, 1975	10:22	1:30,00	1.55 ft. below MLLW
				Mean tide range = 15.4 ft. at Seldovia

REMARKS

A tide gauge was observed for the tide coordinated infrared photography.
#Bridge and/or compilation photo centers not on map. Seldovia MHW = 17.0 ft.

2. SOURCE OF MEAN HIGH-WATER LINE:

#The MHWL was compiled from office interpretation of the above listed 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 OR MEAN LOWER LOW-WATER LINE:

**The MLLWL was compiled graphically from the above tide coordinated infrared photography.

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-00802	TP-00811	TP-00820	No Survey

REMARKS

The south central and eastern portion of this manuscript is covered by the following 1:10,000 scale manuscripts: TP-00814 thru TP-00816.

TP-00810

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Melby	June 1975
2. HORIZONTAL CONTROL	RECOVERED BY R. Melby ESTABLISHED BY None PRE-MARKED OR IDENTIFIED BY L. Riggers	June 1975 June 1975
3. VERTICAL CONTROL	RECOVERED BY N.A. ESTABLISHED BY N.A. PRE-MARKED OR IDENTIFIED BY N.A.	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY R. Melby-PMC Photo Party LOCATED (Field Methods) BY R. Melby-PMC Photo Party IDENTIFIED BY None	July 1975 July 1975
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <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 N.A.	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
75C(I)7205	DANGEROUS, 1910		
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: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> 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 152, 1-Form 277 Tides, 1-Form 76-40			

NOAA FORM 76-36C
(3-72)

TP-00810

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

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	A. J. Patrick	June 1980
2. HORIZONTAL CONTROL	RECOVERED BY P. E. Pegnato	June 1980
	ESTABLISHED BY None	
	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 P. E. Pegnato	June 1980
	IDENTIFIED BY C. P. Hancock	July 1980
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input checked="" type="checkbox"/> SPECIFIC NAMES ONLY BY <input type="checkbox"/> NO INVESTIGATION	
	C. P. Hancock	July 1980
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY C. P. Hancock	July 1980
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED
None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

75E(I)1490, 1491, 1492

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

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)

Field Edit Report 2(76-40)
Approved Tides
Ozolid Film

NOAA FORM 76-36D
(3-72)

TP-00810

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

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	2/29/80	Class III Manuscript superseded	3/7/80	3/7/80
Field Edit applied compilation complete	10/8/81	Class I Manuscript	7/82	
Final Review	6/85	Final Map	mar 1986	mar 1986

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		mar 1986	Aid to Navigation to be charted

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: July 19823. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

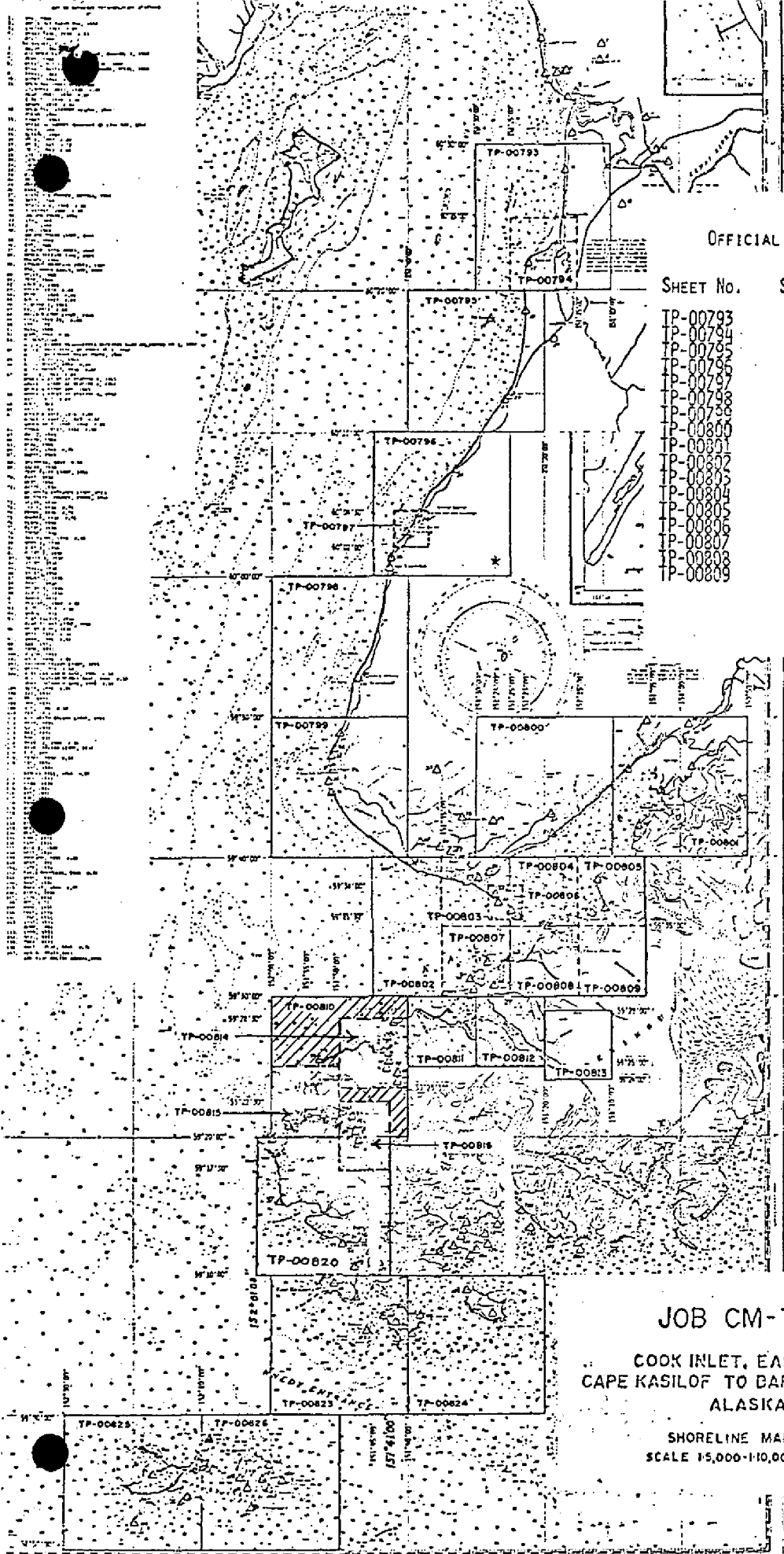
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS ~~3825~~ 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 MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	



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-00817	
TP-00801		TP-00818	
TP-00802		TP-00819	
TP-00803		TP-00820	14
TP-00804		TP-00821	
TP-00805		TP-00822	
TP-00806		TP-00823	
TP-00807		TP-00824	
TP-00808		TP-00825	
TP-00809		TP-00826	
		TOTAL	145

REVISED 9/23/76 E.W.H.
6/13/79 L.F.V.

JOB CM-7412

COOK INLET, EAST SIDE
CAPE KASLOF TO BARREN ISLANDS
ALASKA

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

MARCH 1974

6

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00810

This 1:20,000 Final shoreline map is one of twenty-nine maps designated as project CM-7412, Cook Inlet, East Side, Cape Kasilof to Barren Islands, Alaska.

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 portrays Point Pogibshi.

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 August 1975.

Photographic coverage was adequately provided by natural color and infrared tide coordinated photographs. The RC-10 (C) camera was used to expose the natural color film required for the 1:60,000 scale aerotriangulation, compilation photographs taken August 1975. The RC-8 (E) camera was used for the infrared black and white 1:30,000 scale photographs taken August 1975. 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 photo interpretation, was performed by the Coastal Mapping Unit at the Atlantic Marine Center in March 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 FAIRWEATHER. 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 June 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-00810

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~~ ^{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~~ ^{Kachemak Bay} to Barren Island. This area is covered by ~~seven~~ ^{six} 1:20,000 scale sheets, ~~eight~~ ^{ten} 1:10,000 scale sheets, and ~~seven~~ 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.

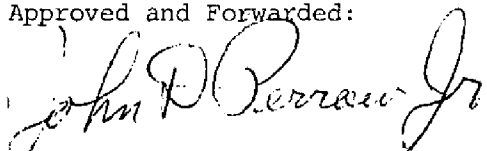
Photography

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

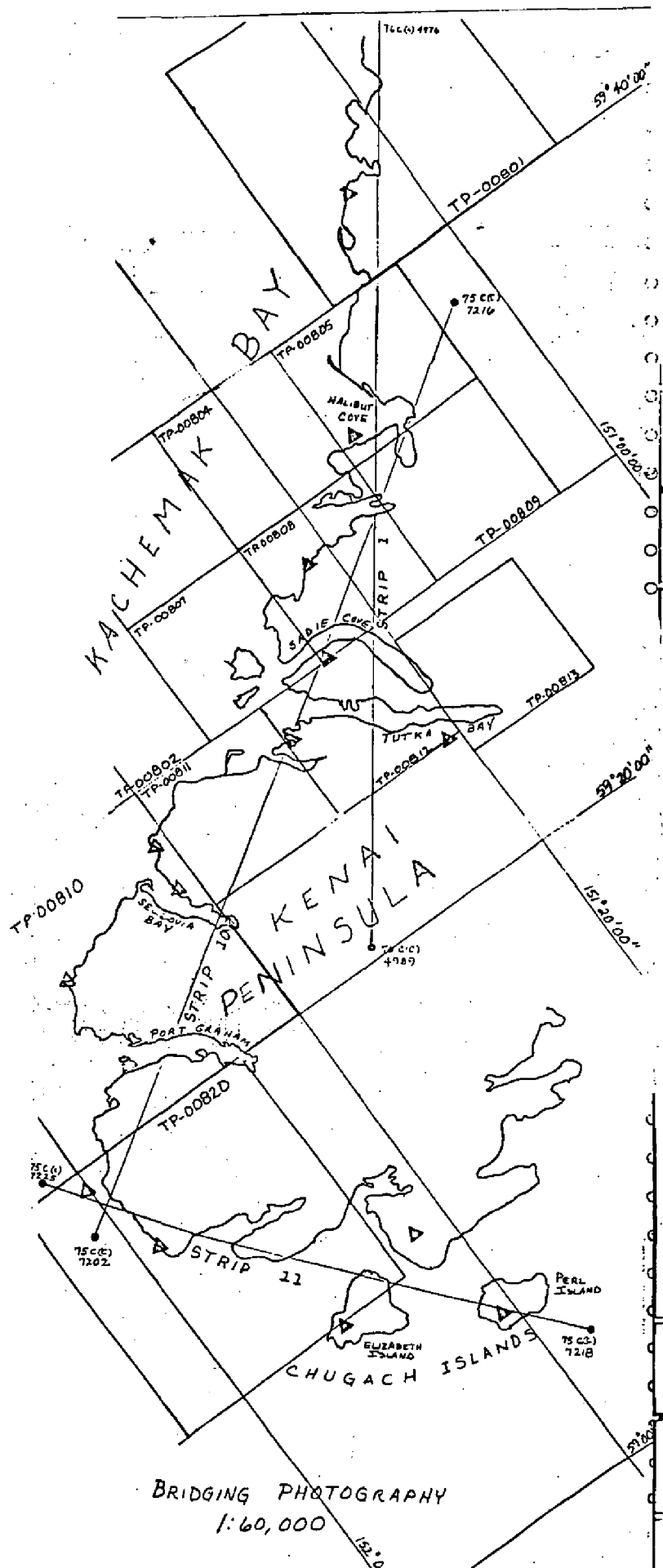
Submitted by:

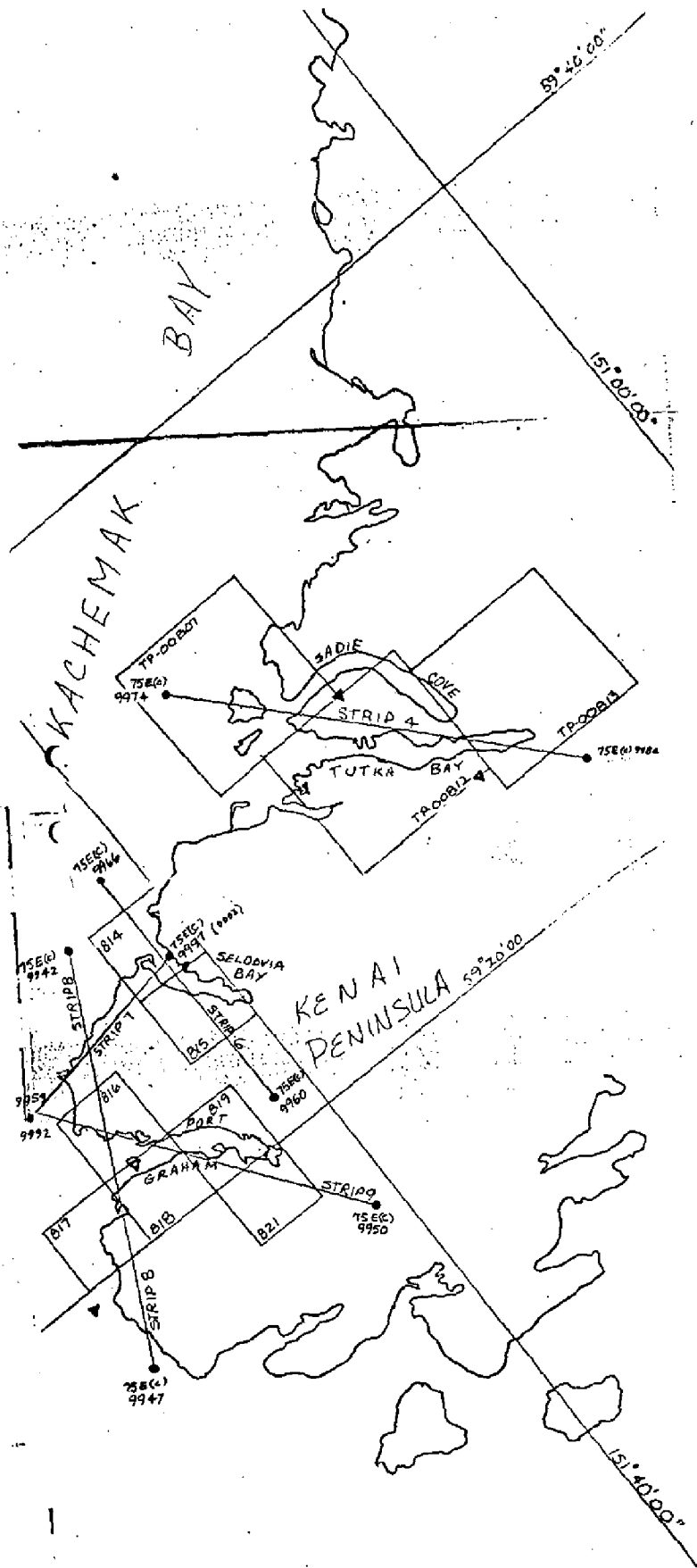
Brian Thornton

Approved and Forwarded:

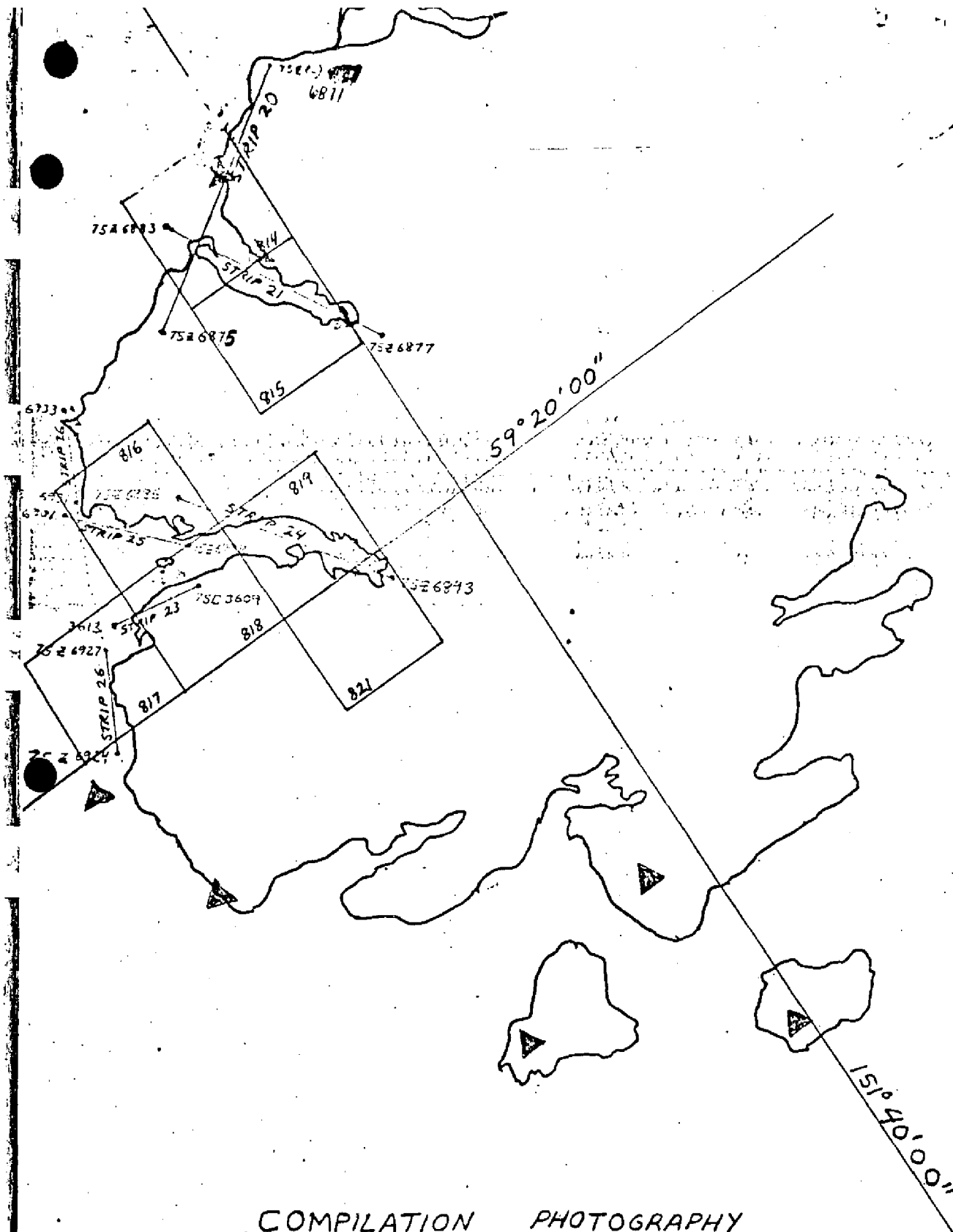


Chief, Aerotriangulation Section



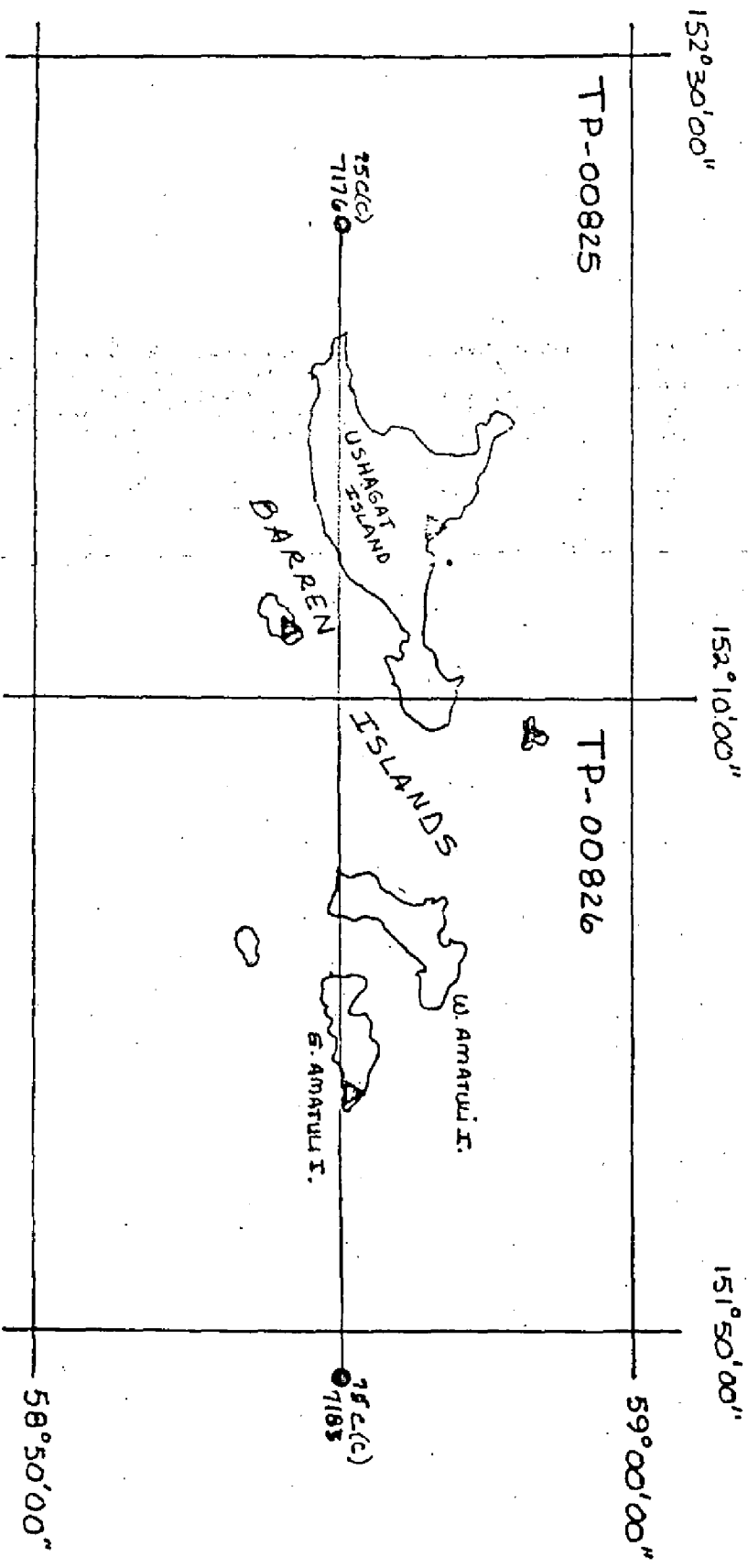


BRIDGING PHOTOGRAPHY
1:30,000



COMPILATION PHOTOGRAPHY

1:15,000



BRIDGING 1:60,000

STRIP 12

1:20,000

List 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
999101	-.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 Controls Used in Strip Adjustment

u-error y-error

Strip #8

941100	-1.785	-2.540
944100	1.521	-1.094
203100	-1.481	-0.632
203802	1.826	-2.245

Strip #9

955101	-0.515	1.133
944100	3.529	2.770
204803	-0.118	-0.672
204804	1.503	-1.036
204806	-0.621	0.619

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM		ORIGINATING ACTIVITY		REMARKS
					CM-7412	N.A. 1927	Unit, AMC, Norfolk, VA	Coastal Mapping	
					COORDINATES IN FEET		GEOGRAPHIC POSITION		
					STATE	Alaska	ϕ LATITUDE	λ LONGITUDE	
					ZONE				
DANGEROUS, 1910	TP-00810	Quad. 59151 pg. 6			X=		ϕ 59 25 30.146		
					Y=		λ 151 53 05.267		
POINT POGBISHI LIGHT, 1975		Field G.P. 76-41 pg.7	000166		X=		ϕ 59 25 30.165		
					Y=		λ 151 53 05.113		
					X=		ϕ		
					Y=		λ		
					X=		ϕ		
					Y=		λ		
					X=		ϕ		
					Y=		λ		
					X=		ϕ		
					Y=		λ		
					X=		ϕ		
					Y=		λ		
					X=		ϕ		
					Y=		λ		
					X=		ϕ		
					Y=		λ		
					X=		ϕ		
					Y=		λ		
					X=		ϕ		
					Y=		λ		
COMPUTED BY	A. C. Rauck, Jr.			DATE	6/18/76	COMPUTATION CHECKED BY		DATE	5/05/76
LISTED BY				DATE		J. R. Minton		DATE	
HAND PLOTTING BY				DATE		LISTING CHECKED BY		DATE	
				DATE		HAND PLOTTING CHECKED BY		DATE	

COMPILATION REPORT

TP-00810

31 - DELINEATION

Delineation was accomplished by stereo instrument and graphic compilation methods. The Wild B-8 stereoplotter with 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 at 1:30,000 scale for both MHW and MLLW were used to delineate the MHW and MLLW lines.

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 methods as described in item #31.

37 - LANDMARKS AND AIDS

Within the limits of this manuscript there was one (1) aid. The one aid is a triangulation station.

38 - CONTROL FOR FUTURE SURVEYS

None.

TP-00810

39 - JUNCTIONS

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

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to Photogrammetric Plot Report, dated Jan., 1977.

46 - COMPARISON WITH EXISTING MAPS

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

Seldovia (B-5), Alaska, scale 1:63,360, dated 1951
Seldovia (B-6), Alaska, scale 1:63,360, dated 1953.

47 - COMPARISON WITH NAUTICAL CHARTS

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

No. 16645, scale 1:82,662, 9th edition, dated Apr. 21, 1973
NO. 16646, scale 1:20,000, 7th edition, dated Mar. 29, 1975
No. 16640, scale 1:200,00, 9th edition, dated May 10, 1965.

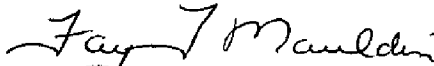
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:



Fay T. Mauldin
Cartographer
February 29, 1980

Approved:



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

ADDENDUM TO COMPILATION REPORT

TP-00810

The field edit for this sheet is complete. The rock that was monoscopically identified on this sheet at 59°25'30"N and 151°53'50"W, was searched for by Field Editor and by hydrographer; no such rock was found by either. The rock was removed.

Between latitudes 59°28'30" and 59°29'00", and between longitudes 151°40'00" and 151°43'00" is a foul limit kelp line that was put on at compilation after the sheet was sent to the field for Field Edit. No question was asked about it in Notes to the Field Editor. The foul limit kelp line was left on the map.

March 22, 1984

GEOGRAPHIC NAMES

FINAL NAME SHEET

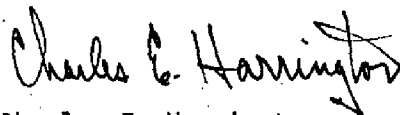
PH - 7412 (Cook Inlet, East Side - Cape Kasilof to Barren Islands, Alaska)

TP - 00810

Cook Inlet

Point Pogibshi

Approved by;

Charles E. Harrington
Chief Geographer
Nautical Charting Division

FIELD EDIT REPORT
TP-0810
Cook Inlet East Side
July, 1980

Description

Point Pogibshi is a rocky point with a prominent bluff that rises approximately 50 feet to a flat grassy area on which stands Point Pogibshi Light. Both north and south of the point the shoreline is composed of alternating pebble beaches and headlands with ledges. There are also areas that are foul with boulders and some detached rocks that lie as much as 200 meters offshore. The majority of this coastline is also foul with Kelp.

Method

A low water search for a rock in the area marked in blue on the manuscript, at 59°25'30"N, 151°53'50"W, was conducted from a skiff on J. D. 166 by the field editor with a predicted -4.7 foot tide and on J. D. 167 by the hydrographer with a predicted -3.9 foot tide. No sign of a dangerous rock awash was found in 12 to 15 fathoms of water. This "rock" was monoscopically identified and reported as a change to the chart via a Notice to Mariners. It was called a dangerous rock awash. Given the difficulty encountered when trying to remove erroneous items from the chart, such items as a "rock" seen on one photo but not the overlapping photos should not be reported without field verification. This creates extra work for ourselves and degrades the quality of our charts. It is recommended that this item and any others like it on other manuscripts that were reported due to photo identification but not found by the field editor should be followed by a negative report in the Notice to Mariners when the compiler applies the field edit.

The remainder of the field edit was completed during one lower low tide using both a launch and a skiff. All features were visible on the photos, thus no sextant fixes were recorded.

Adequacy and Completeness of Compilation

The manuscript as compiled is adequate and complete except for some ledges and detached rocks that were not recognized by the compiler which had to be added during field edit. There are no bluffs as compiled, except for a few hundred meters of the coast on either side of Point Pogibshi, where a 50 foot cliff is of landmark value. This entire sheet was field edited.


Manuscript Accuracy

No formal accuracy tests were performed.

Recommendation

This manuscript after the field edit data is applied will be complete, accurate and acceptable for charting purposes.

Submitted by



Christopher P. Hancock
Lt(jg)., NOAA

Approved by:



A. J. Patrick
Capt., NOAA

REVIEW REPORT
TP-00810
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 following U.S.G.S. quadrangles:
Seldovia (B-5), Alaska, scale 1:63,360, dated 1952
Seldovia (B-6), Alaska, scale 1:63,360, dated 1953..

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with H-9890 dated March 15, 1983
and H-9879 dated March 11, 1983. There were no major conflicts.

Hydro sheet H-9945 was not available for comparison at time
of Final Review June 18, 1985.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with 7th edition Chart 16646, 1:20,000 scale, dated March 29, 1975 and the 9th edition Chart 16646, 1:20,000 scale dated September 26, 1981. A comparison was also made with the 10th edition Chart 16645, 1:82,662 scale dated March 13, 1976 and the 14th edition Chart 16645, 1:82,662 scale, dated July 30, 1983. A comparison between these charts indicates that an offshore rock was added to current charts from the unreviewed Class III Chart Maintenance Print submitted to Marine Charts March 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 by the field editor at the time the hydrography was performed, July, 1980. The non-existent rock was removed from the Final Map. This and other recommended changes are annotated on the Final Map Chart Maintenance Print.

A Final Chart Maintenance Print indicating discrepancies was prepared and forwarded to Marine Charts.

66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

TP-00810

Submitted by,



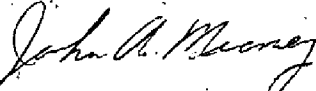
James L. Byrd, Jr.
Final Reviewer

Approved for forwarding,

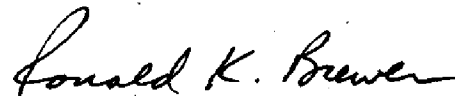


Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,



John A. McCreary
Chief, Photogrammetric Section,
Rockville



Ronald K. Brewer
Chief, Photogrammetry Branch,
Rockville

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	A. Patrick
POSITIONS DETERMINED AND/OR VERIFIED	P. Pegnato
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	L. Williams
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	III. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 II. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	A. Patrick
POSITIONS DETERMINED AND/OR VERIFIED	P. Regnato
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	L. Williams
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64,	
OFFICE 1. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field Identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75
**FIELD POSITIONS are determined by field observations based entirely upon ground survey methods. **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

INSTRUCTIONS

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 R=

[illegible]