

TP-01314

TP-01314

NOAA FORM 76-35  
(6-80)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## DESCRIPTIVE REPORT

THIS MAP EDITION WILL NOT BE FIELD EDITED

<i>Map No.</i> TP-01314	<i>Edition No.</i> 1
<i>Job No.</i> CM-8405	
<i>Map Classification</i> CLASS III (FINAL)	
<i>Type of Survey</i> SHORELINE	
LOCALITY	
<i>State</i> ALASKA	
<i>General Locality</i> POINT AUGUSTA TO CRIST POINT	
<i>Locality</i> WHITESTONE HARBOR	
1985 TO 19	
REGISTERED IN ARCHIVES	
DATE	

<b>NOAA FORM 76-36A</b> (3-72)		<b>U. S. DEPARTMENT OF COMMERCE</b> NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.							
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> <b>TYPE OF SURVEY</b>  <input checked="" type="checkbox"/> ORIGINAL  <input type="checkbox"/> RESURVEY  <input type="checkbox"/> REVISED         </td> <td style="width: 50%;"> <b>SURVEY TP.</b> <u>01314</u>   <b>MAP EDITION NO.</b> (1)  <b>MAP CLASS</b> III (Final)  <b>JOB</b> <u>RM. CM-8405</u> </td> </tr> </table>		<b>TYPE OF SURVEY</b> <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	<b>SURVEY TP.</b> <u>01314</u>  <b>MAP EDITION NO.</b> (1) <b>MAP CLASS</b> III (Final) <b>JOB</b> <u>RM. CM-8405</u>				
<b>TYPE OF SURVEY</b> <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	<b>SURVEY TP.</b> <u>01314</u>  <b>MAP EDITION NO.</b> (1) <b>MAP CLASS</b> III (Final) <b>JOB</b> <u>RM. CM-8405</u>								
<b>PHOTOGRAMMETRIC OFFICE</b> Coastal Mapping Unit, Atlantic Marine Center Norfolk, VA <b>OFFICER-IN-CHARGE</b> C. Dale North, Jr., CDR		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"> <b>LAST PRECEDING MAP EDITION</b> </td> </tr> <tr> <td style="width: 50%;"> <b>TYPE OF SURVEY</b>  <input type="checkbox"/> ORIGINAL  <input type="checkbox"/> RESURVEY  <input type="checkbox"/> REVISED         </td> <td style="width: 50%;"> <b>JOB</b> <u>PH-</u>  <b>MAP CLASS</b> _____  <b>SURVEY DATES:</b>          19__ TO 19__       </td> </tr> </table>		<b>LAST PRECEDING MAP EDITION</b>		<b>TYPE OF SURVEY</b> <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	<b>JOB</b> <u>PH-</u> <b>MAP CLASS</b> _____ <b>SURVEY DATES:</b> 19__ TO 19__		
<b>LAST PRECEDING MAP EDITION</b>									
<b>TYPE OF SURVEY</b> <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	<b>JOB</b> <u>PH-</u> <b>MAP CLASS</b> _____ <b>SURVEY DATES:</b> 19__ TO 19__								
<b>I. INSTRUCTIONS DATED</b>									
<b>1. OFFICE</b>		<b>2. FIELD</b>							
Aerotriangulation                      November 3, 1986 Compilation                              February 19, 1987		Control                                      March 1, 1985 Change No. 1                              March 25, 1985							
<b>II. DATUMS</b>									
<b>1. HORIZONTAL:</b> <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify) _____							
<b>2. VERTICAL:</b> <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) _____							
<b>3. MAP PROJECTION</b> Oblique Mercator Projection		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"> <b>4. GRID(S)</b> </td> </tr> <tr> <td style="width: 50%;"> <b>STATE</b>          Alaska       </td> <td style="width: 50%;"> <b>ZONE</b>          1       </td> </tr> <tr> <td> <b>STATE</b> </td> <td> <b>ZONE</b> </td> </tr> </table>		<b>4. GRID(S)</b>		<b>STATE</b> Alaska	<b>ZONE</b> 1	<b>STATE</b>	<b>ZONE</b>
<b>4. GRID(S)</b>									
<b>STATE</b> Alaska	<b>ZONE</b> 1								
<b>STATE</b>	<b>ZONE</b>								
<b>5. SCALE</b> 1:20,000									
<b>III. HISTORY OF OFFICE OPERATIONS</b>									
<b>OPERATIONS</b>		<b>NAME</b>	<b>DATE</b>						
<b>1. AEROTRIANGULATION</b> BY J. Taylor Jan. 1987 METHOD: Analytic LANDMARKS AND AIDS BY N.A.									
<b>2. CONTROL AND BRIDGE POINTS</b> PLOTTED BY F. Mauldin Jan. 1987 METHOD: Xynetics 1201 CHECKED BY F. Mauldin Jan. 1987									
<b>3. STEREOSCOPIC INSTRUMENT</b> PLANIMETRY BY P. Evans Feb. 1987 COMPILATION CHECKED BY F. Mauldin Feb. 1987 INSTRUMENT: Wild B-8 CONTOURS BY N.A. SCALE: 1:20,000 CHECKED BY N.A.									
<b>4. MANUSCRIPT DELINEATION</b> PLANIMETRY BY P. Evans Mar. 1987 CHECKED BY F. Mauldin Mar. 1987 METHOD: Smooth Drafted CONTOURS BY N.A. CHECKED BY N.A. SCALE: 1:20,000 HYDRO SUPPORT DATA BY P. Evans Mar. 1987 CHECKED BY F. Mauldin Mar. 1987									
<b>5. OFFICE INSPECTION PRIOR TO <del>FINAL REVIEW</del> Final Review</b> BY F. Mauldin Mar. 1987									
<b>6. APPLICATION OF FIELD EDIT DATA</b> BY N.A.									
CHECKED BY N.A.									
<b>7. COMPILATION SECTION REVIEW Class III</b> BY F. Mauldin Mar. 1987									
<b>8. FINAL REVIEW Class III</b> BY L. O. Neterer, Jr. Mar. 1987									
<b>9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH</b> BY L. O. Neterer, Jr. May 1987									
<b>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</b> BY P. Dempsey June 1987									
<b>11. MAP REGISTERED - COASTAL SURVEY SECTION</b> BY E.L. DAUGHERTY Jun 87									

Tp-01314

## HISTORY OF FIELD OPERATIONS

- 1.
- ☒
- FIELD INSPECTION OPERATION    PREMARKING
- ☐
- FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. Vandermeulen	May, 1985
2. HORIZONTAL CONTROL	RECOVERED BY M. McEwen	May, 1985
	ESTABLISHED BY N.A.	
	PRE-MARKED OR IDENTIFIED BY M. McEwen	May, 1985
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 N.A.	
	LOCATED (Field Methods) BY N.A.	
	IDENTIFIED BY N.A.	
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 N.A.	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED Paneled		2. VERTICAL CONTROL IDENTIFIED None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
85Z(C)2945	FIRST 2, 1922 (sub_point)		
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 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 76-53 (CSI Card) 1 Form 76-109 Observations of Horizontal Directions for entire project.			

TP-01314  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) R.C. 10 (B) (Z=152.74mm)  
R.C. 10 (Z) (Z=153.14mm)TYPES OF PHOTOGRAPHY  
LEGEND

## TIME REFERENCE

## TIDE STAGE REFERENCE

- ☒
- PREDICTED TIDES
- 
- ☐
- REFERENCE STATION RECORDS
- 
- ☐
- TIDE CONTROLLED PHOTOGRAPHY

- (C) COLOR
- 
- (P) PANCHROMATIC
- 
- (I) INFRARED

## ZONE

Alaska

☒ STANDARD

## MERIDIAN

135°

☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
85Z (C) 2945-2948	6-10-85	08:53	1:50,000	8.8 feet above MLLW
85B (I) 5048-5051	5-22-85	09:22	1:50,000	1.1 feet below MLLW
85B (I) 5061-5063	5-22-85	09:36	1:50,000	0.9 feet below MLLW
				Mean tide range = 14 ft.

## REMARKS

Stage of tide is based on predicted tide data using Swanson Harbor gage.

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

The Mean High Water Line was compiled from office interpretation of the above listed compilation/bridging photographs using stereo instrument methods.

## 3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

The Mean Lower-Low Water Line was compiled graphically from the above listed tide coordinated infrared 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
Scale 1:10,000 TP-01311, TP-01312	TP-01315	None	TP-01313

## REMARKS

TP-01314

## RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	Mar. 1987	Class III Manuscript		
Final Review	Mar. 1987	Final Class III Map	5/20/87	5/20/87

## II. LANDMARKS AND AIDS TO NAVIGATION

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

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_
3. ☐ 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 <sup>76-40</sup> ~~553~~ 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	

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-01314

This 1:20,000 scale map is one of seven maps, six are 1:20,000 scale and one is 1:10,000 scale, in project CM-8405, Icy Strait, Point Augusta to Crist Point, Alaska. The project extends from latitude  $58^{\circ} 00' 00''$  north to latitude  $58^{\circ} 32' 00''$ , longitude  $134^{\circ} 51' 00''$  west to  $135^{\circ} 32' 00''$ . It includes Excursion Inlet.

Field work prior to compilation was accomplished during May 1985. This consisted of premarking triangulation stations to satisfy aerotriangulation requirements.

Photographic coverage was provided in June 1985 with color film using the Wild RC-10 "Z" camera (focal length 153.15 millimeters) and in May 1985 with black and white infrared film using the Wild RC 10 "B" camera (focal length 152.74 millimeters). All photographs are 1:50,000 scale.

Analytic aerotriangulation was performed at the Washington Science Center in January 1987. The manuscripts were ruled at the Atlantic Marine Center from data furnished by the aerotriangulation process.

Compilation was performed at the Atlantic Marine Center from office interpretation of 1:50,000 scale color and infrared photography in March 1987.

Final review was performed at the Atlantic Marine Center in March 1987. A Chart Maintenance Print for Marine Charts and a Hydrographic Print for the Hydrographic Branch were forwarded. This map is to be registered as a Final Class III Map.

The original base map and all pertinent data were forwarded to the Washington Science Center for final registration.

AEROTRIANGULATION REPORT  
CM-8405  
PT. AUGUSTA TO CRIST PT., ALASKA  
JANUARY 1987

21. AREA COVERED

The area covered by this report is from Pt. Augusta to Crist Pt. to the west and Excursion Inlet to the north. Icy Strait passes through the center of this area. This area is covered by six 1:20,000-scale and one 1:10,000-scale manuscripts. The 1:20,000-scale manuscripts are TP-01309, TP-01310, TP-01311, TP-01313, TP-01314, and TP-01315. The 1:10,000-scale manuscript is TP-01312.

22. METHOD

Six strips of 1:50,000 and two strips of 1:30,000-scale color photographs were bridged and adjusted to ground with the IDPF system.

A magnetic tape of the bridge points was created for the Atlantic Marine Center. The positions of these bridge points are in plane coordinates using the Alaska State Plane Coordinate System (Zone 1) with the Oblique Mercator Projection. All data will be based on the North American Datum of 1927.

No fixed aids to navigation or landmarks were located during aerotriangulation.

Ratio values were determined for the color bridging photographs and the black-and-white infrared photographs.

23. ADEQUACY OF CONTROL

The horizontal control provided for this project was adequate. Fourteen horizontal control points were used in the adjustment. One station, 594101, would not fit into the adjustment by 458 feet. Nothing wrong could be found with this station. Ties were made between the overlapping strips. This project meets NOS requirements for map manuscripts.

24. SUPPLEMENTAL DATA

Nautical charts were used to try to identify objects on the color bridging photographs. USGS quadrangles were used for vertical control.

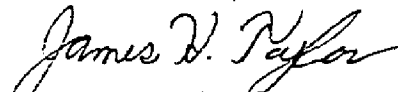
## 25. PHOTOGRAPHY

The coverage, overlap, and quality of the photographs proved adequate for this project. Most control station panels were difficult to identify and measure due to poor image quality. The original color film had to be ordered to help in the identification of targets. Once difficult targets were found, they were drilled on the film duplicates. No MLW, black-and-white infrared photographs were secured for manuscripts TP-01309 and TP-01310.

## 26. PHOTO HYDRO STATIONS

Eight photo hydro stations were established during field operations. Of the eight stations, only six could be positioned. The horizontal positions of these six stations are believed to be within  $\pm 10$  feet of their true ground position. Panel TC-15 could not be identified on the color bridging photographs, and panel TC-21 was too far beyond horizontal control to be included in the adjustment.

Submitted by:

  
James H. Taylor

Approved and Forwarded:



Don O. Norman  
Chief, Aerotriangulation Unit



CM-8405  
FIT TO HORIZONTAL CONTROL  
▲= CONTROL HELD

	PT. NO.	X	Y
▲GRASS 1981	226100	- 0.1	- 0.1
▲INNER 2, 1981 - SUB 1	228101	- 0.3	+ 0.4
▲SCRAGGY 1901	942100	+ 0.4	- 0.4
▲EGAN NO. 2 RM 2 - SUB 1	945101	- 0.1	+ 0.8
▲FIRST 2 - SUB 1	947101	- 0.2	- 2.1
▲FIT 2, 1925	951100	+ 0.3	+ 1.3
▲PEACH 2, 1922	933100	0.0	- 0.8
▲LIST 2, 1922	934100	- 1.1	- 0.1
▲EGAN NO. 2, RM 2 - SUB 1	957101	- 1.3	+ 2.3
▲EGAN 1959 - SUB 1	602101	+ 0.8	- 1.8
▲DAY 1922 - SUB 1	598101	- 0.1	+ 1.4
▲GENE 1949 - SUB 1	596101	- 0.5	- 0.5
GENE 1949 - SUB 1	594101	+458.5	- 6.6
▲EARTH 2, 1922 - SUB 1	937101	- 0.7	- 0.2
▲PULP 2, 1922 - SUB 1	936101	+ 0.3	- 0.4

CM-8405  
RATIO VALUES

COLOR PHOTOGRAPHS

<u>PHOTOGRAPHS</u>	<u>RATIO</u>
85-ZC-2933A thru 2936A	2.412
85-ZC-2941A thru 2951A	2.412
85-ZC-2955A thru 2958A	2.412
85-ZC-3215 thru 3218	2.468
85-ZC-3224 thru 3229	2.466
85-ZC-3593 thru 3602	2.482
85-ZC-2980A thru 2981A	2.945
85-ZC-2965A thru 2968A	2.946

BLACK-AND-WHITE INFRARED PHOTOGRAPHS

<u>PHOTOGRAPHS</u>	<u>RATIO</u>
85-BR-5035 thru 5038	2.444
85-BR-5046 thru 5056	2.457
85-BR-5060 thru 5064	2.455
85-BR-5069 thru 5072	2.445
85-BR-5064 thru 5066	3.000
85-BR-5038 thru 5039	3.000

58°32'00"

TP-01309

594101

596101

JOB CM-8405

ICY STRAIT

ALASKA

SHORELINE MAPPING

SCALE 1:10,000 & 1:20,000

HOR. CONTROL

58°22'00"

937101

TP-01311

936101

58°20'00"

598101

602101

957101

933100

TP-01312

58°12'00"

TP-01310

942100

58°10'00"

228101

226100

58°02'00"

TP-01313

945101

947101

TP-01314

TP-01315

951100

58°00'00"

135°32'00"

135°17'00"

135°06'00"

135°03'00"

135°01'00"

134°51'00"

58°32'00"

TP-01309

JOB CM-8405

ICY STRAIT

ALASKA

SHORELINE MAPPING

SCALE 1:10,000 & 1:20,000

1:30,000 COLOR PHOTOGRAPHS

58°22'00"

TP-01311

85-ZC-  
2977A

58°20'00"

TP-01310

58°12'00"

58°10'00"

85-ZC-  
2983A

TP-01312

TP-01315

TP-01313

58°02'00"

TP-01314

58°00'00"

135°32'00"

135°17'00"

135°08'00"

135°03'00"

135°01'00"

134°51'00"

58°32'00"

TP-01309

85-ZC-  
3602

85-ZC-  
3218

58°22'00"

85-ZC-  
3215

85-ZC-  
2955A

TP-01311

85-ZC-  
2933A

58°20'00"

58°12'00"

TP-01310

85-ZC-  
2951A

85-ZC-  
3224

58°10'00"

85-ZC-  
3594

85-ZC-  
2937A

85-ZC-2959A

TP-01312

85-ZC-  
3228

58°02'00"

TP-01313

TP-01314

TP-01315

85-ZC-  
2941A

58°00'00"

135°32'00"

135°17'00"

135°08'00"

135°03'00"

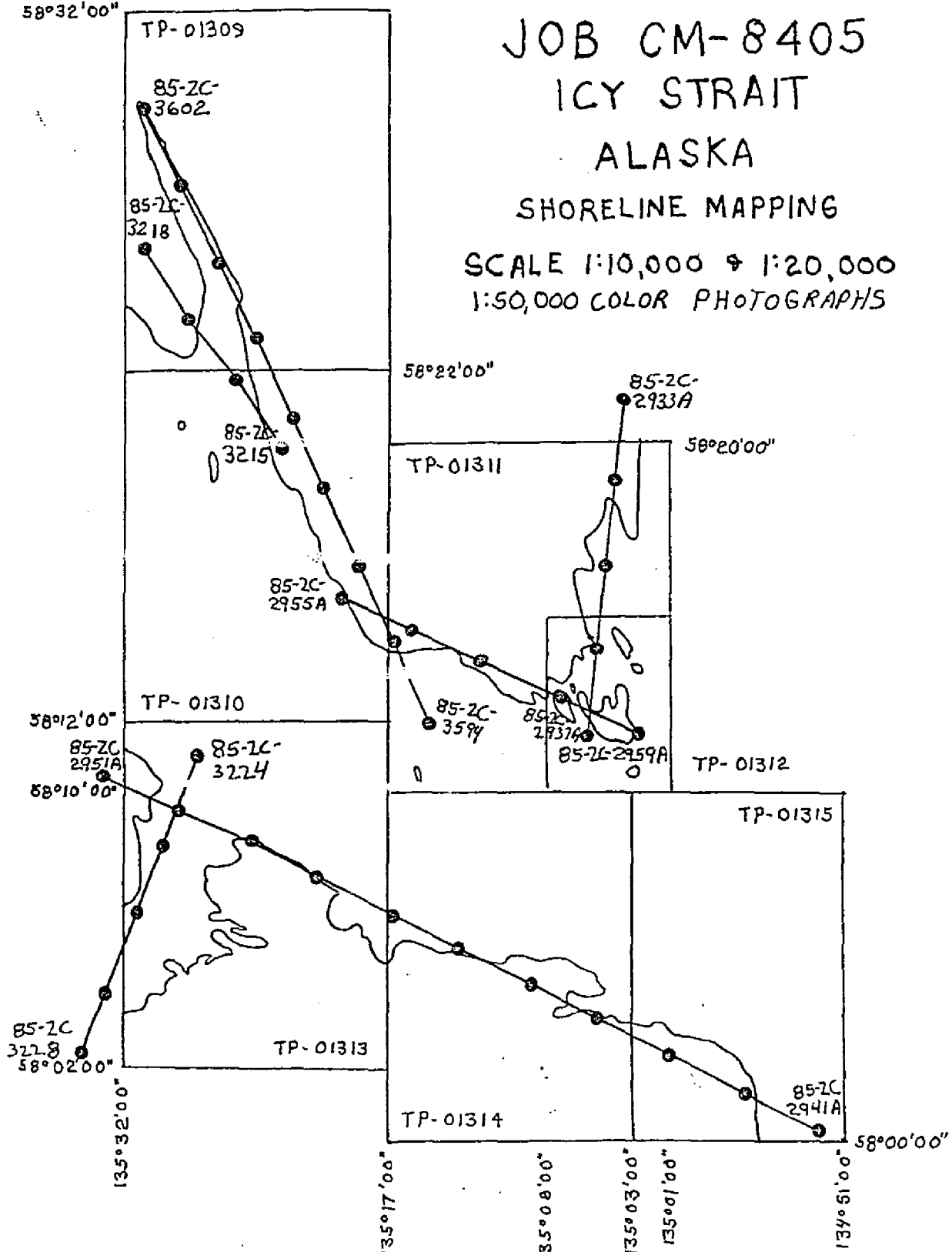
135°00'00"

134°55'00"

# JOB CM-8405 ICY STRAIT ALASKA

## SHORELINE MAPPING

SCALE 1:10,000 & 1:20,000  
1:50,000 COLOR PHOTOGRAPHS



58°32'00"

TP-01309

JOB CM-8405

ICY STRAIT

ALASKA

SHORELINE MAPPING

SCALE 1:10,000 & 1:20,000

1:50,000 B & W INFRARED

58°22'00"

TP-01311

85-BR-5036

58°20'00"

58°12'00"

TP-01310

85-BR-5066

58°10'00"

85-BR-5055

85-BR-5073

85-BR-5078

TP-01313

58°02'00"

TP-01314

TP-01315

85-BR-5045

58°00'00"

135°32'00"

135°17'00"

135°08'00"

135°03'00"

135°01'00"

134°51'00"

58°32'00"

TP-01309

JOB CM-8405

ICY STRAIT

ALASKA

SHORELINE MAPPING

SCALE 1:10,000 & 1:20,000

1:30,000 B & W INFRARED

58°22'00"

TP-01311

58°20'00"

85-8A-  
5018

85-8A-  
5084

85-8A-  
5087

TP-01312

85-8A-  
5032

TP-01315

TP-01310

58°12'00"

58°10'00"

TP-01313

58°02'00"

TP-01314

58°00'00"

135°32'00"

135°17'00"

135°08'00"

135°03'00"

135°01'00"

134°51'00"





COMPILATION REPORT  
TP-01314

31 - DELINEATION

Delineation was accomplished using Wild B-8 stereo instrument compilation methods. Instrument compilation was used to delineate shoreline, alongshore, and interior detail based upon office interpretation of the 1:50,000 scale 1985 bridging/compilation color photographs. Tide coordinated mean lower low water infrared ratio photographs were used to graphically compile the approximate mean lower low water line. Control for graphic delineation was provided by the instrument compilation of coastal detail and common image points.

The southern tip of the island, part of two islands named The Sisters, at approximately 58° 09.9' latitude and 135° 15.0' longitude was compiled graphically from infrared ratio photographs using coastal detail for control. This method was used due to insufficient stereo photographic coverage of the area.

All photographs used to compile this map are listed on NOAA form 76-36B. The photography was adequate.

32 - CONTROL

The horizontal control was adequate. Refer to the Aerotriangulation Report, dated January 1987.

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was compiled from office interpretation of the photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

The mean high water line was compiled from office interpretation of the bridging/compilation photographs as described in item #31.

36 - OFFSHORE DETAILS

Offshore details were compiled by instrument methods as described in item #31.

The mean lower low water infrared photographs were ratioed in order to graphically compile the approximate mean lower low water line as described in item #31.

37 - LANDMARKS AND AIDS

There was one charted aid to navigation and no landmarks within the limits of this map. The aid to navigation could not be located/verified photogrammetrically.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

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

40 - HORIZONTAL AND VERTICAL ACCURACY

See item #32.

46 - COMPARISON WITH EXISTING MAPS

A comparison was made with the following U. S. Geological Survey Quadrangle:

Juneau (A-4), Alaska; dated 1948, minor revisions 1975; scale 1:63,360

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following National Ocean Service charts:

17300; 24th edition; dated June 15, 1985; scale 1:209,978

17316; 14th edition; dated October 30, 1982; scale 1:80,000.

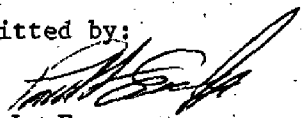
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

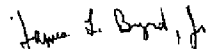
None.

Submitted by:



Paul L. Evans  
Cartographic Technician  
Date: March 6, 1987.

Approved:



James L. Byrd, Jr.  
Chief, Coastal Mapping Unit

MAR 25 1987

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8405 (Point Augusta to Crist Point, Alaska)

TP-01314

Chichagof Island

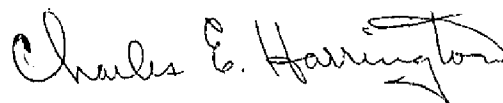
Icy Strait

Spasski Island

Suntaheen Creek

Whitestone Harbor

Approved:



Charles E. Harrington  
Chief Geographer  
Nautical Charting Division  
Charting and Geodetic Services

REVIEW REPORT  
SHORELINE  
TP-01314

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 U.S.G.S. Quadrangle:

Juneau (A-4), Alaska, dated 1948, minor revisions 1975,  
scale 1:63,360.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Not applicable. This map will be registered as a Class III Final Map.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS charts:

17316, 14th edition, dated October 30, 1982, scale 1:80,000; and  
17300, 24th edition, dated June 15, 1985, scale 1:209,978.

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:



Lowell O. Neterer, Jr.  
Final Reviewer  
March 23, 1987

Approved for forwarding:

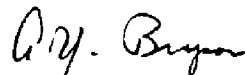


Billy H. Barnes  
Chief, Quality Assurance Group, AMC

Approved:



Chief, Photogrammetric Production Sect.



Chief, Photogrammetry Branch

### 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 Review.

[illegible]