

TP-01315

TP-01315

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

Map No.

TP-01315

Edition No.

1

Job No.

CM-8405

Map Classification

CLASS III (FINAL)

Type of Survey

SHORELINE

## LOCALITY

State

ALASKA

General Locality

POINT AUGUSTA TO CRIST POINT

Locality

POINT AUGUSTA

1985 TO 19

REGISTERED IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit Atlantic Marine Center, Norfolk, VA		SURVEY TP. <u>01315</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III (Final)</u> JOB <u>RM. CM-8405</u>	
OFFICER-IN-CHARGE  C. Dale North, Jr., CDR		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB <u>PH.</u> MAP CLASS <u></u> SURVEY DATES: 19 <u></u> TO 19 <u></u>	
<b>I. INSTRUCTIONS DATED</b>			
1. OFFICE		2. FIELD	
Aerotriangulation                      November 3, 1986 Compilation                              February 19, 1987		Control                                      March 1, 1985 Change No. 1                              March 25, 1985	
<b>II. DATUMS</b>			
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  Oblique Mercator Projection		4. GRID(S) STATE                                      ZONE Alaska                                      1	
5. SCALE  1:20,000		STATE                                      ZONE	
<b>III. HISTORY OF OFFICE OPERATIONS</b>			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION                      BY METHOD: Analytic                      LANDMARKS AND AIDS BY		J. Taylor	Jan. 1987
2. CONTROL AND BRIDGE POINTS                      PLOTTED BY METHOD: Xynetics 1201                      CHECKED BY		F. Mauldin	Jan. 1987
3. STEREOSCOPIC INSTRUMENT                      PLANIMETRY BY COMPILATION                      CHECKED BY		R. Kravitz	Feb. 1987
INSTRUMENT: Wild B-8                      CONTOURS BY SCALE: 1:20,000                      CHECKED BY		J. Byrd	Feb. 1987
4. MANUSCRIPT DELINEATION                      PLANIMETRY BY CHECKED BY		R. Kravitz	Feb. 1987
METHOD: Smooth Drafted                      CONTOURS BY CHECKED BY		F. Mauldin	Mar. 1987
SCALE: 1:20,000                      HYDRO SUPPORT DATA BY CHECKED BY		R. Kravitz	Feb. 1987
5. OFFICE INSPECTION PRIOR TO <del>FIELD</del> Final Review BY		F. Mauldin	Mar. 1987
6. APPLICATION OF FIELD EDIT DATA                      BY		N.A.	
CHECKED BY		N.A.	
7. COMPILATION SECTION REVIEW Class III                      BY		F. Mauldin	Mar. 1987
8. FINAL REVIEW Class III                      BY		L. O. Neterer, Jr.	Mar. 1987
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH                      BY		L. O. Neterer, Jr.	May 1987
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH                      BY		P. Dempsey	June 1987
11. MAP REGISTERED - COASTAL SURVEY SECTION                      BY		E. L. DAUGHERTY	JUN 87

TP-01315

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) R.C. 10 "B" (152.74mm) R.C. 10 "Z" (153.15mm)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				MERIDIAN	
				135°	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
85 Z (C) 2948-2951	6-10-85	08:53	1:50,000	8.8 feet above MLLW	
85 B (I) 5046-5048	5-22-85	09:22	1:50,000	1.1 feet below MLLW	
				Mean Tide Range 14.2 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 color 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 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
TP-01312 1:10,000	No Survey	No Survey	TP-01314

## REMARKS

TP-01315

## HISTORY OF FIELD OPERATIONS

I. ☒ 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)2951	FIT 2, 1925 (paneled direct)		

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 CSI Card

1 form 76-109 Observations of Horizontal Direction for project..

TP-01315  
RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	March 1987	Class III Manuscript		
Final Review	March 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. 76-40 <sup>76-40</sup> 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	

JOB CM-8405

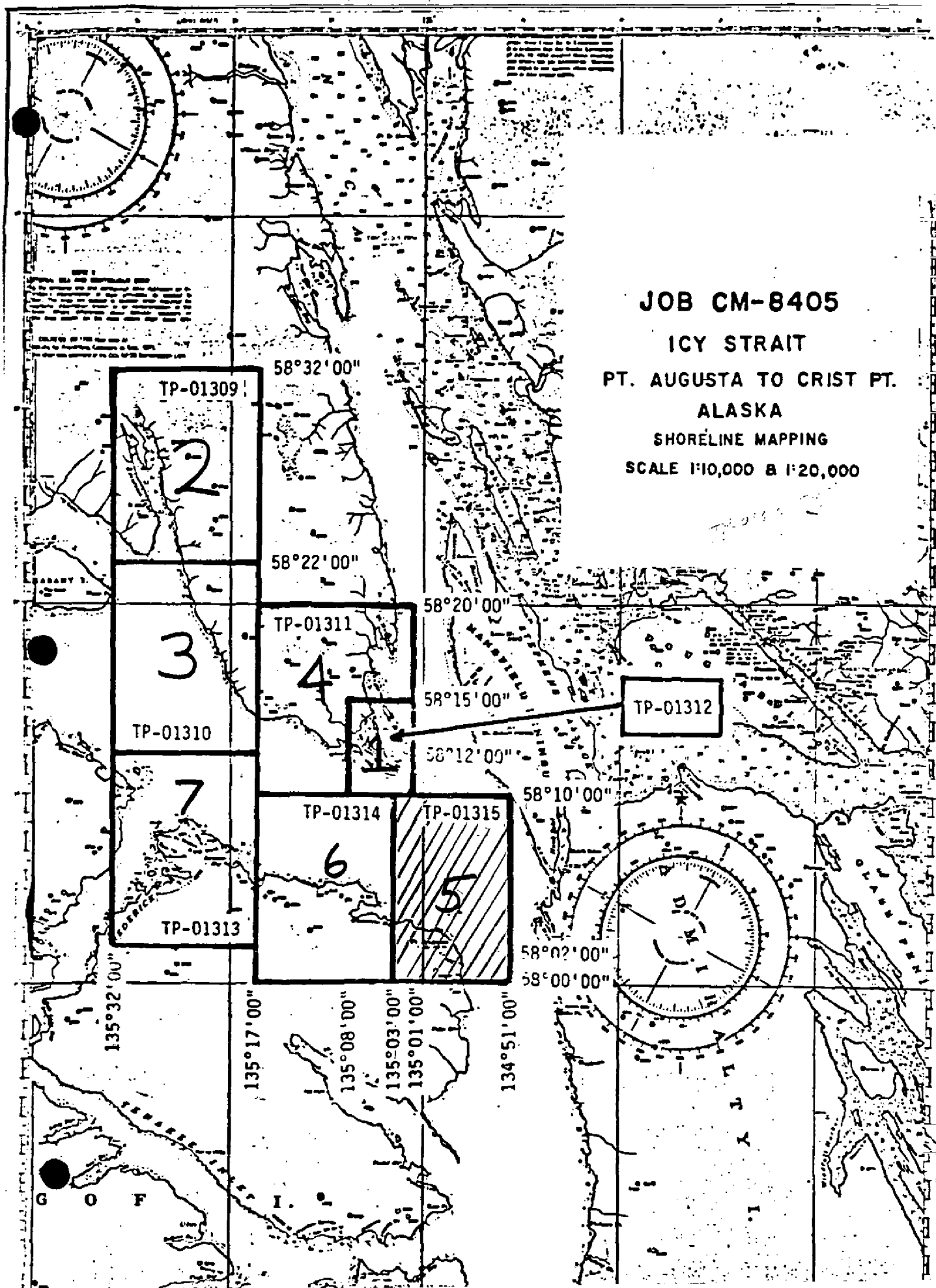
ICY STRAIT

PT. AUGUSTA TO CRIST PT.

ALASKA

SHORELINE MAPPING

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



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-01315

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. This project extends from latitude  $58^{\circ} 00' 00''$  north to latitude  $58^{\circ} 32' 00''$ , longitude  $134^{\circ} 51' 00''$  west to  $135^{\circ} 32' 00''$ .

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) both sets of photography are at 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 Branch, a Hydrographic Print, for the Hydrographic Branch, and a copy of the Hydrographic Print for the NOAA ship FAIRWEATHER 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.



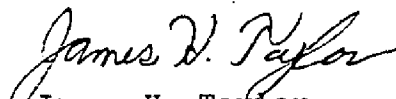
25. PHOTOGRAPHY

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°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 COLOR PHOTOGRAPHS

58°22'00"

TP-01311

85-ZC-  
2977A

58°20'00"

TP-01310

58°12'00"

58°10'00"

0

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°15'00"

58°32'00"

TP-01309

85-ZC-  
3602

85-ZC-  
3218

58°22'00"

TP-01311

85-ZC-  
2933A

58°20'00"

TP-01310

58°12'00"

85-ZC-  
2941  
85-ZC-  
2934A  
58°10'00"

85-ZC-  
3224

85-ZC-  
3577

85-ZC-  
2937A

85-ZC-2959A

TP-01312

85-ZC  
3228  
58°02'00"

135°32'00"

TP-01313

TP-01314

2947

2948

2949

2950

2951

2952

2953

2954

2955

2956

2957

2958

2959

TP-01315

85-ZC  
2944A

2957

58°00'00"

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

1:50,000 B & W INFRARED

58°22'00"

85-BR-5036

TP-01311

58°20'00"

85-BR-5060

TP-01310

58°12'00"

85-BR-5064

85-BR-5040

TP-01312

58°10'00"

85-BR-5055

85-BR-5073

85-BR-5070

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-BA-  
5028

85-BA-  
5084

85-BA-  
5087

TP-01312

58°12'00"

TP-01310

58°10'00"

85-BA-  
5032

TP-01315

58°02'00"

TP-01313

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-01315

31 - DELINEATION

Delineation was accomplished using 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.

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 compilation/bridging photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

The mean high water line was compiled from office interpretation of the compilation/bridging 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 landmark and two charted aids to navigation within the limits of this map. Neither the landmark nor the two aids could be located or verified photogrammetrically.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the Data Record Form 76-36B, 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 Quadrangles:

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

Juneau (A-3), Alaska; dated 1950, minor revisions 1963; 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

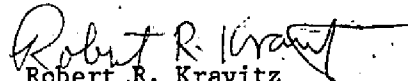
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

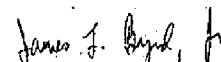
ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

  
Robert R. Kravitz  
Cartographic Technician  
Date: February 1987

Approved:

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

MAR 25 198

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-01315

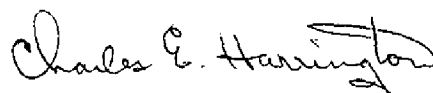
Chatham Strait

Chichagof Island

Icy Strait

Point Augusta

Approved:



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

REVIEW REPORT  
SHORELINE  
TP-01315

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. Quadrangles:

Juneau (A-3), Alaska, dated 1950, minor revisions 1963, and  
Juneau (A-4), Alaska, dated 1948, minor revisions 1975;  
both are 1:63,360 scale.

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:



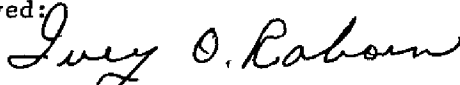
Lowell O. Neterer, Jr.  
Final Reviewer  
March 13, 1987

Approved for forwarding:

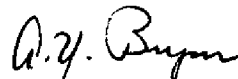


Billy H. Barnes  
Chief, Quality Assurance Group, AMC

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]