

T-12366

T-12366

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

## DESCRIPTIVE REPORT

Map No.

T-12366

Edition No.

1

Job No.

PH-6303

Map Classification

FINAL FIELD EDITED MAP

Type of Survey

SHORELINE

## LOCALITY

State

ALASKA

General Locality

CLARENCE STRAIT

Locality

RATZ HARBOR

1963 TO 1971

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>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division AMC, Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen		SURVEY TR <u>12366</u> MAP EDITION NO. (1) MAP CLASS Final JOB PH. <u>6303</u>	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division AMC, Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen		<b>LAST PRECEDING MAP EDITION</b> TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
<b>I. INSTRUCTIONS DATED</b>			
<b>1. OFFICE</b>		<b>2. FIELD</b>	
Aerotriangulation Jan.. 9, 1967 Compilation Mar. 20, 1967 Compilation Supplement 1 Nov. 6, 1970 Compilation Supplement 2 Nov. 23, 1970 Compilation Supplement 3 Nov. 5, 1971 Compilation Amendment 1 Dec. 7, 1971		Field Feb. 10, 1966	
<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 type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)	
3. MAP PROJECTION Polyconic		4. GRID(S) STATE Alaska ZONE 1	
5. SCALE 1:10,000		STATE ZONE	
<b>III. HISTORY OF OFFICE OPERATIONS</b>			
<b>OPERATIONS</b>		<b>NAME</b>	
<b>DATE</b>			
1. AEROTRIANGULATION BY J. Perrow METHOD: Stereoplanigraph LANDMARKS AND AIDS BY Dec. 1970			
2. CONTROL AND BRIDGE POINTS PLOTTED BY J. Perrow METHOD: Coradomat CHECKED BY H. Eichert Dec. 1970			
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY A. Shands COMPILATION CHECKED BY R. White Dec. 1970 INSTRUMENT: Wild B-8 CONTOURS BY N.A. SCALE: 1:10,000 CHECKED BY N.A.			
4. MANUSCRIPT DELINEATION PLANIMETRY BY B. Wilson CHECKED BY R. Pate Dec. 1970 METHOD: Smooth Drafted CONTOURS BY N.A. SCALE: 1:10,000 CHECKED BY N.A. HYDRO SUPPORT DATA BY B. Wilson CHECKED BY R. Pate Dec. 1970			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY R. Pate Dec. 1970			
6. APPLICATION OF FIELD EDIT DATA BY C. Blood Oct. 1971 CHECKED BY B. Wilson Mar. 1972			
7. COMPILATION SECTION REVIEW BY B. Wilson Mar. 1972			
8. FINAL REVIEW BY L. O. Neterer, Jr. Jan. 1987			
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY L. O. Neterer, Jr.			
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY P. Dempsey Jun 1988			
11. MAP REGISTERED - COASTAL SURVEY SECTION BY J. Wilson July 1988			

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

T-12366

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8W		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR X(P) PANCHROMATIC (I) INFRARED		ZONE	
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				Pacific	
				MERIDIAN	
				120th	
				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
63W 7298-7302	2 July 1963	11:10	1:30,000	11.5 ft. above MLLW	

REMARKS

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

The mean high water line was compiled from the above listed photography.

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

There was no mean lower-low water line compiled on this map.

## 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
T-12363	No Survey	T-12369	No Survey
REMARKS			

NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYT-12366  
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	B. Williams	Apr. 26, 1966
2. HORIZONTAL CONTROL	RECOVERED BY C.R.M.	Apr. 26, 1966
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY C.R.M.	Apr. 26, 1966
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 None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE BY	
	<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

Photo Identified

2. VERTICAL CONTROL IDENTIFIED

N.A.

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
63W7300	RATZ, 1915, sub points A, B, & C		

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)

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NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYT-12366  
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	H. R. Lippold	May 1971
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	N.A. N.A. N.A.
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None None 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	L. Oliver
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

N.A.

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

63W 7298-7300

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)

Field Edit Ozalid  
Field Edit Report

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

T-12366

## 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	Dec. 1970	Class III	Jan. 19, 1971	Jan. 18, 1971
Field edit applied Compilation complete	Oct. 1971	Class I	June 15, 1978	Feb. 21, 1974
Final Review	Jan. 1987	Final Map	June 1978	

## II. LANDMARKS AND AIDS TO NAVIGATION

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

NUMBER Pages	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		Dec. 2, 1977	Aid to be charted

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: Dec. 2, 19773. ☐ 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> ~~567~~ 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 PH-6303  
CLARENCE STRAIT  
ALASKA

6  
REVISED 9/23/76 RWW  
REVISED 10/7/86 D.B.  
T-13240 CANCELED  
REVISED 12/11/86 JDM  
T-13301

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

T-12366

This 1:10,000 scale shoreline map is one of thirty-four maps that comprise project PH-6303, Clarence Strait, Alaska. This project encompasses Clarence Strait and Ernest Sound, latitude  $55^{\circ} 28' 45''$  north to latitude  $56^{\circ} 00' 00''$  and longitude  $131^{\circ} 55' 00''$  west to longitude  $132^{\circ} 45' 00''$ .

Photographic coverage was provided in July 1963 using black and white panchromatic film with the "W" camera (focal length 153.02 millimeters) at 1:30,000 scale.

Field work prior to compilation consisted of the photoidentification of horizontal control for bridging in May 1966.

Analytic aerotriangulation was performed at the Washington Science Center in December 1970.

Compilation was performed at the Atlantic Marine Center during December 1970 and January 1971.

Field edit was accomplished during May 1971.

Application of field edit to advance this map to Class I status was achieved in March 1972 at the Atlantic Marine Center.

Final review was completed at the Atlantic Marine Center during January 1987.

This Descriptive Report contains all pertinent information used to compile this final map.

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

## FIELD INSPECTION REPORT

Project PH-6303

Shoreline Mapping, Clarence Strait &amp; Ernest Sound Alaska

May, 1966

Shoreline Manuscripts T-11982 and T-12363 thru T-12387

The area of the project is along the shores of Clarence Strait and the entrance of Ernest Sound, including Tolstoi Bay and Union Bay.

The area is in a remote section of southeast Alaska, accessible only by ship or airplane.

There are three communities, Meyers Chuck, Thorne Bay and Ratz Harbor. The latter two are logging camps.

The interior areas are covered with a dense growth of coniferous timber, chiefly spruce, hemlock and cedar.

Horizontal control consisted of the photo-identification of the required triangulation stations. New stations were established by triangulation or traverse utilizing the electronic distance measuring instruments (Fairchild MC-8 Electrochains).

The shoreline is mostly rocky and irregular. Numerous ledges extend seaward from the rocky headlands and points. The strata formation of many of the ledges are in vertical or incline planes making the ledges quite irregular and jagged. The shoreline of occasional small bights will be of a gravel, stone or boulder composition.

The shoreline was field inspected at landing sites, these locations usually being at the site of triangulation stations. The interpretation of the mean high water line on photography taken at low water can be distinguished in the following manner. Adjacent to the existing water level at the time of photography will be a white area. This is mostly barnacles and similar marine

life that reflects a white tone. This will appear as a white band paralleling the shoreline. This is followed by a dark, nearly black color tone. This area receives only occasional wave action during storms. This appears on the photography as a dark band adjacent to and next in elevation above the white band of barnacles. Above the dark band will usually be seen a greyish color tone, extending to the tree line. This is composed of grass, lichens and debris on the bedrock. The mean high water line is at the junction of the white barnacle band and the dark band. An example of this can be noted by observing contact photograph 65 L 5129 in the vicinity of the field identification of station OVAL, 1916.

Approved:

*Bruce I. Williams*  
Bruce I. Williams Lt. ESSA

C.O. Ship PATTON

Respectfully submitted

*Robert B. Melby*  
Robert B. Melby

Surveying Technician, C & GS

Photogrammetric Plot Report  
Job PH-6303  
Clarence Strait, Alaska  
Part II - Northern Half

December 3, 1970

21. Area Covered

The area covered is in and around the junction of Ernest Sound and Clarence Strait, Alaska. Included are T-Sheets 11977 thru 11982, 12363 thru 12371, 12374, and 13237 thru 13240, at 1:10,000 scale, in Zone 1, Alaska Plane Coordinates.

22. Method

Seven strips were bridged on the stereoplanigraph and adjusted by I.B.M. 1620 methods. Strip #4 (63-W-7254 thru 7258) was adjusted on three triangulation sub-stations and two tie points from Strip #3 (Part I). Companion sub-stations and additional tie points served as checks. Strip #7 (65-L-5098 thru 5105) was adjusted on four triangulation sub-stations with companion sub-stations and tie points from Strip #12 as checks. Strip #8 (63-W-7324 thru 7330) was bridged only in part. 63-W-7324 thru 7328 was bridged and adjusted by a first order curve (straight line). The method employed two sub-stations for adjustment, with companion sub-stations and six tie points as checks. The remainder of the Strip (63-W-7329 and 7330) must be detailed graphically from ratio prints. Strip #9 (65-L-5109 thru 5116) was adjusted on four triangulation sub-stations with companion sub-stations, one additional triangulation station and five tie points with Strip #10 as checks. Strip #10 (63-W-7311 thru 7319) was bridged on three triangulation sub-stations with companion sub-stations and eleven tie points with Strips #8 and #9 as checks. Strip #11 (63-W-7291 thru 7306) was adjusted on four triangulation sub-stations and checked with tie points from Strip #6. Strip #12 (65-L-5091 thru 5096) was adjusted on four triangulation sub-stations with tie points from Strips #4 and #7 as checks. All points were drilled on the PUG. All tie points between strips were averaged. Some outlying islands in Sheet T-11977 and T-11978 could not be covered by bridging, nor can the area be compiled, with any accuracy, by graphic methods. Completion of these two sheets should be completed by the ship during the hydrographic survey.

### 23. Adequacy of Control

Horizontal control was adequate and complied with project instructions. All stations held within National Map Accuracy Standards with the following exceptions:

- (1) Drag, 1916 SS "C". This position was of poor image quality. In addition, it was allowed to drift by using tie points from Strip #3, as control on Strip #4. This solution provided the best overall fit.

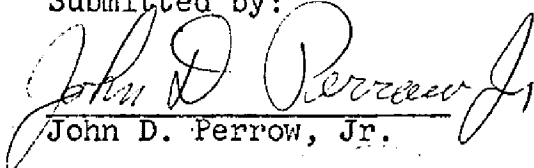
### 24. Supplemental Data

Local GS quads were used to provide level points for bridging Operations. Due to the nature of the terrain and the scale of the quads, these elevations are very approximate.


### 25. Photography

Photography was good in coverage, overlap, and definition.

Submitted by:

  
John D. Perrow, Jr.

Approved by:

  
Henry P. Eichert  
Chief, Aerotriangulation Section

## SHORELINE MAPPING

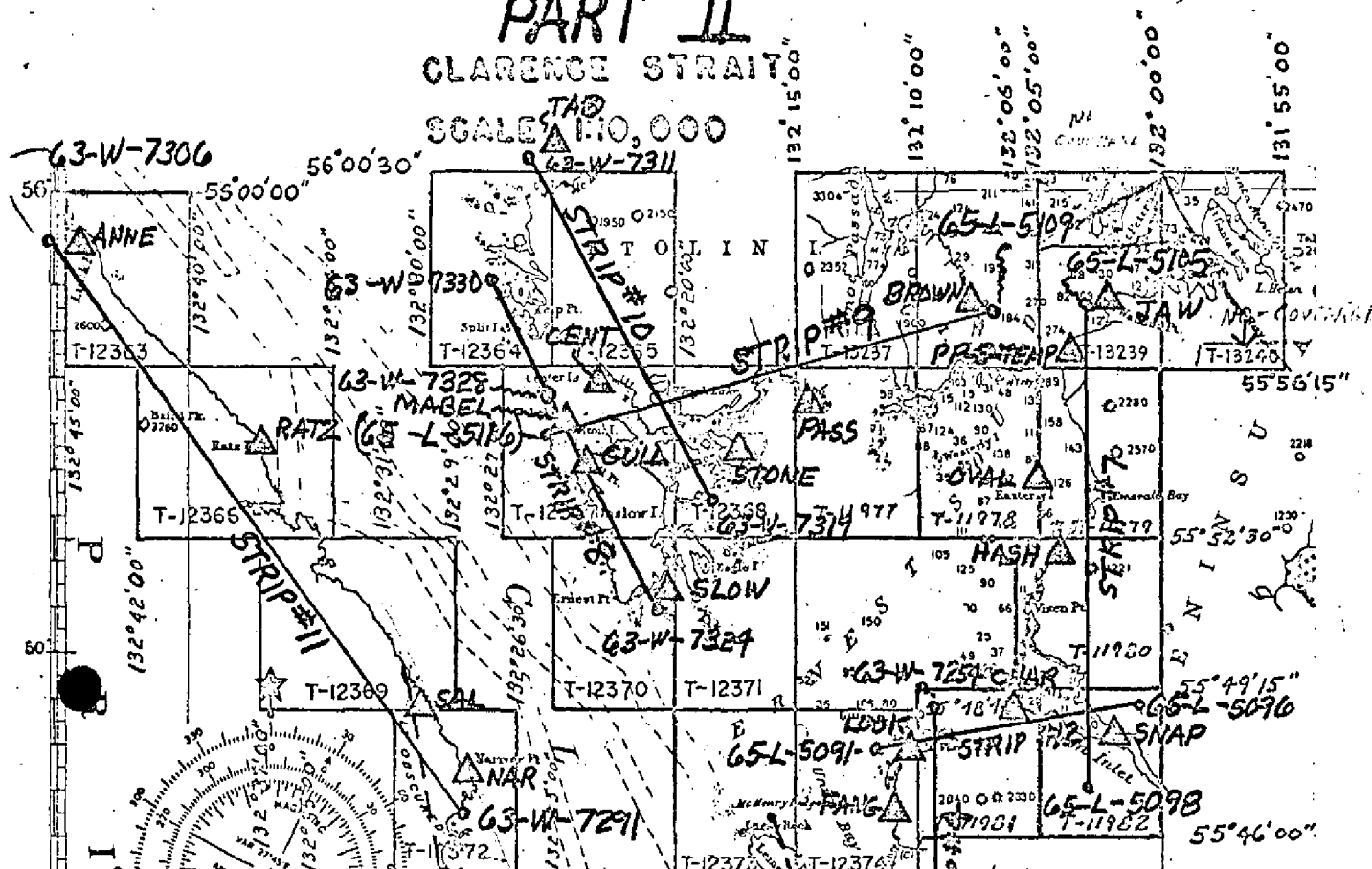
NOV. 1970.

ALASKA

## PART II

CLARENCE STRAIT

SCALE 1:10,000



Notes to Compiler  
PH-6303  
Clarence Strait, Alaska

December 3, 1970

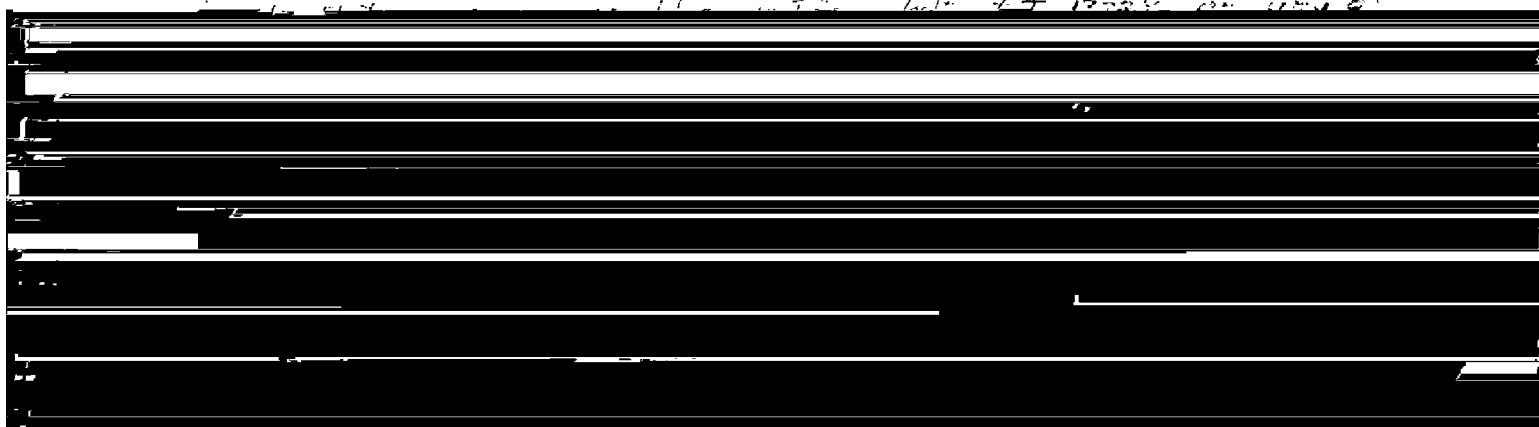
Strip #4 does not fit within itself too well. However, the best overall fit was made so that the strip could be tied to Strip #3 (Part I), which had been compiled at an earlier date.

Strip #8 is positioned too far out over the water to provide more than a quarter of a model in that portion of the strip north of triangulation station Mabel. These small portion models would be extremely difficult to bridge, and equally as difficult to set in a compilation instrument. Therefore, points common to both strips in that area were selected in critical areas to establish ratioing constants for Strip #8, so that those photographs could be used in compiling the alongshore detail by graphic methods.

Just south of the area covered by Strip #9, are a number of islands which could not be covered by bridging operations, due to excessive water areas. These islands are located on T-Sheets 11977 and 11978. Ratio prints of this area were made at a three time enlargement, however, these are uncontrolled, and the exact scale cannot be determined. It is recommended that the islands on these two T-Sheets be located and positioned by the hydrographic survey party.

Strip #11. It is recommended that the area covered by model 63-W-7291 - 7292 be detailed from Strip #6 (Part I), since Strip #6 seems to be the stranger photogrammetric bridge.

Note: The published position of station HASH, 1966, is in error. A new position was provided by Geodesy. The sub-stations for Station OVAL, 1916, could not be seen on the bridging photography.



## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	PH-6303	GEODETIC DATUM	NA	1927	ORIGINATING ACTIVITY	Division, Norfolk, Va.	REMARKS
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE ALASKA ZONE 1	φ LATITUDE	λ LONGITUDE	FORWARD	BACK	
RATZ, 1915	55132 ✓ pg. 20		x=	φ 55 54 33.622 ✓		1039.9 ✓	( 815.8) ✓	
			y=	λ 132 36 54.128 ✓		940.3 ✓	( 102.1) ✓	
RATZ HARBOR BEACON, 1916	55132 ✓ pg. 20		x=	φ 55 53 16.675 ✓		515.7 ✓	(1340.0) ✓	
			y=	λ 132 35 47.543 ✓		826.4 ✓	( 216.5) ✓	
			x=	φ				
			y=	λ				
			x=	φ				
			y=	λ				
			x=	φ				
			y=	λ				
			x=	φ				
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			x=	φ				
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			x=	φ				
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			x=	φ				
			y=	λ				
			x=	φ				
			y=	λ				
			x=	φ				
			y=	λ				
COMPUTED BY	A. C. Rauck, Jr.	DATE 11/18/70	COMPUTATION CHECKED BY	B. Wilson		DATE 11/24/70		
LISTED BY		DATE	LISTING CHECKED BY			DATE		
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY			DATE		

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

## COMPILATION REPORT

T-12366

31. DELINEATION

The Wild B-8 stereo plotter, using panchromatic black and white photographs, was used for compilation. The photographs were of good definition.

32. CONTROL

The control was adequate. See Photogrammetric Plot Report PH-6303, Part II, Northern Half dated December 3, 1970.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage been delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line and alongshore detail has been compiled from office interpretation of the photographs.

No low water line has been compiled.

36. OFFSHORE DETAIL

All offshore details including dashed lines; foul, ledge, etc.; were compiled from office interpretation of the photographs.

37. LANDMARKS AND AIDS

An appropriate copy of Form 76-40 for one nonfloating aid to navigation was forwarded to the Rockville office on November 29, 1977.

38. CONTROL FOR FUTURE SURVEYS

None.

T-12366

39. JUNCTIONS

See Form 76-36B with this Descriptive Report.

40. HORIZONTAL AND VERTICAL ACCURACY

No Statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with U.S.G.S. Quadrangles Craig (D-2), Alaska dated 1949, minor revisions 1962, scale 1:63,360, and Craig (D-3), dated 1949, minor revisions 1963, scale 1:63,360.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with U.S.C. & G.S. Charts 8102, scale 1:229,376, 8th edition dated December 20, 1965, and Chart 8124, scale 1:10,000, 6th edition dated January 11, 1965.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Respectfully submitted:

*Bernice Wilson*  
Bernice Wilson  
Cartographic Technician  
December 9, 1970

Approved:

*A. C. Rauck, Jr.*  
A. C. Rauck, Jr.  
Chief, Coastal Mapping Section

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6303 (Clarence Strait, Alaska)

T-12366

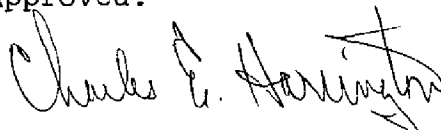
Clarence Strait

Prince of Wales Island

Ratz Harbor

Ratz Point

Approved:



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

## FIELD EDIT REPORT

SHEET T-12366

CLARENCE STRAIT

(RATZ HARBOR)

PH-6301 (6303)

MAY 1971

NOAA SHIP PATHFINDER

CAPT. H.R. LIPPOLD JR., CMDG.

## 51 Methods

The field edit of this map was done in accordance with photogrammetric instructions and project instructions to the Commanding Officer, NOAA SHIP PATHFINDER, dated 19 January 1971. Steep shorelines made it possible to do all work from MW #6 and SB #5. Easy accessibility to the beach made frequent on shore inspection no problem. Sextant fixes were used to verify and locate objects that could not be seen or positively verified on the photographs.

All deletions, additions, verification and corrections to be applied to the manuscript appear on the Field Edit Ozalid. This ozalid is an index and inventory of all field edit work performed. All features marked in green on the ozalid are to be deleted. Red circles on the ozalid indicate the approximate location of the signals used in the field work. Cross references on the Field Edit Ozalid to the photographs are also a part of the compilation.

## 52 Adequacy of Compilation

Compilation of the manuscript was adequate and complete for all areas within the boundaries indicated on the Field Edit Ozalid.

## 54 Recommendations

None

## 56 Additional Information

Alaska Standard Time, time meridian 120°W, was used until 25 April. Alaska Daylight Time, time meridian 105°W, was used after that date.

All photogrammetric and ground survey signals used during the project are listed on a sheet attached to the Field Edit Ozalid and also included in this report. Signals used for field edit fixes are included in the list.

All fixes taken during the field edit are identified by number on the Field Edit Ozalid. A running tabulation of this data is supplied with the ozalid and is also part of this report.

*Larry J. Oliver*  
L. J. Oliver  
LTJG, NOAA  
Photo Officer

Approved:

*[Signature]*  
W. C. Lippert Jr.  
CAPT, NOAA  
Commanding Officer

REVIEW REPORT  
SHORELINE

T-12366

61. GENERAL STATEMENT

See Summary included with this Report.

The ledge symbol was applied from field edit verification of a dashed line of approximate ledge limits. These limits are similar to the ledge line shown on the hydrographic surveys. Therefore, it was not deleted, even though no mean lower low water photography was available in this area of the project.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U. S. Geological Survey Quadrangles:

Craig (D-2), Alaska, dated 1949, minor revisions 1962, and  
Craig (D-3), Alaska, dated 1949, minor revisions 1963;  
both are 1:63,360 scale.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with registered Hydrographic Surveys H-9194, 1:20,000 scale and H-9193, 1:10,000 scale.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS charts:

17423, 11th edition, dated January 3, 1981, scale 1:10,000;  
17360, 26th edition, dated August 18, 1984, scale 1:217,828; and  
17420, 23rd edition, dated March 16, 1985, scale 1:229,376.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

T-12366

Submitted by:

*Lowell O. Neterer, Jr.*  
Lowell O. Neterer, Jr.  
Final Reviewer  
January 29, 1987

Approved for forwarding:

Billy H. Barnes  
Chief, Quality Assurance Group, AMC

Approved:

*Lowell O. Neterer*  
Chief, Photogrammetric Production Sect.

*W. H. Barnes*  
Chief, Photogrammetry Branch



TYPE OF ACTION	
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW	
ACTIVITIES	INSTRUC

**OFFICE**  
**1. OFFICE IDENTIFIED AND LOCATED C**  
Enter the number and date (incl day, and year) of the photograph identify and locate the object.  
EXAMPLE: 75E(C)6042  
8-12-75

**FIELD**  
**1. NEW POSITION DETERMINED OR VERI**  
Enter the applicable data by sy  
F - Field P - Photogr  
L - Located Vis - Visua  
V - Verified  
1 - Triangulation 5 - Field i  
2 - Traverse 6 - Theodol  
3 - Intersection 7 - Planeta  
4 - Resection 8 - Sextant

A. Field positions\* require ent location and date of field v  
EXAMPLE: F-2-6-L  
8-12-75

\*FIELD POSITIONS are determined by vations based entirely upon ground

## FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

[illegible]