

T-12368

T-12368

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. T-12368	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 STONE ISLANDS	
19 63 TO 1972	
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 Division AMC, Norfolk, VA		SURVEY TR: <u>12368</u> MAP EDITION NO. <u>(1)</u> MAP CLASS Final JOB PH- <u>6303</u>	
OFFICER-IN-CHARGE  Jeffrey G. Carlen		<b>LAST PRECEEDING 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__			

I. INSTRUCTIONS DATED	
<b>I. OFFICE</b>  Aerotriangulation Jan 9, 1967 Compilation March 20, 1967 Compilation Supp 1 Nov 6, 1970 Compilation Supp 2 Nov 23, 1970 Compilation Supp 3 Nov 5, 1971 Compilation Amend 1 Dec 7, 1971	<b>2. FIELD</b>  Control Feb 10, 1966

II. DATUMS	
<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>  polyconic	<b>4. GRID(S)</b> STATE <u>Alaska</u> ZONE <u>1</u>
<b>5. SCALE</b> <u>1:10,000</u>	STATE _____ ZONE _____

III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS	NAME	DATE	
<b>1. AEROTRIANGULATION</b> BY METHOD: stereoplanigraph LANDMARKS AND AIDS BY	J. Perrow	Dec 1970	
<b>2. CONTROL AND BRIDGE POINTS</b> PLOTTED BY METHOD: coradomat CHECKED BY	P. Dempsey	Dec 1970	
<b>3. STEREOSCOPIC INSTRUMENT</b> PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:10,000	L. Neterer	Feb 1971	
<b>4. MANUSCRIPT DELINEATION</b> PLANIMETRY BY CHECKED BY METHOD: smooth drafted SCALE: 1:10,000	R. White	Feb 1971	
HYDRO SUPPORT DATA BY CHECKED BY	L. Graves & L. Neterer	Apr 1971	
<b>5. OFFICE INSPECTION PRIOR TO FIELD EDIT</b> BY	R. Pate	Apr 1971	
<b>6. APPLICATION OF FIELD EDIT DATA</b> BY	E. Gustafson	Mar 1974	
<b>7. COMPILATION SECTION REVIEW</b> BY	D. Butler	May 1978	
<b>8. FINAL REVIEW</b> BY	L. O. Neterer, Jr.	Apr 1987	
<b>9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH</b> BY	L. O. Neterer, Jr.		
<b>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</b> BY	P. Dempsey	Jun 1988	
<b>11. MAP REGISTERED - COASTAL SURVEY SECTION</b> BY	J. Neterer	July 1988	

NOAA FORM 76-36B  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYT-12368  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8"W", "L"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Pacific	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				MERIDIAN 120th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
63W 7878 & 7879	Jul 1, 1963	13:24	1:15,000	12.3 ft above MLLW	
65L 5113 & 5114	Jul 30, 65	10:41	1:30,000	2.2 ft below MLLW	
63W 7318 & 7319	Jul 2, 63	11:18	1:30,000	11.5 ft above MLLW	
63W 7900-7904	Jul 4, 63	13:33	1:15,000	12.1 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:

The mean lower low water line was compiled from the above listed photography, north half of the map only.

## 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
no survey	T-11977	T-12371	T-12370

REMARKS

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

T-12368

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	B.I. Williams	Apr 1966
2. HORIZONTAL CONTROL	RECOVERED BY L. Riggers	Apr 1966
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY L. Riggers	Apr 1966
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
		NA	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
63W 7319	STONE, 1916 sub pts 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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## HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	H. R. Houlder	May 1972
2. HORIZONTAL CONTROL	RECOVERED BY none	
	ESTABLISHED BY none	
	PRE-MARKED OR IDENTIFIED BY none	
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY none	
	LOCATED (Field Methods) BY none	
	IDENTIFIED BY none	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY E. Wood	May 1972
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

## II. SOURCE DATA

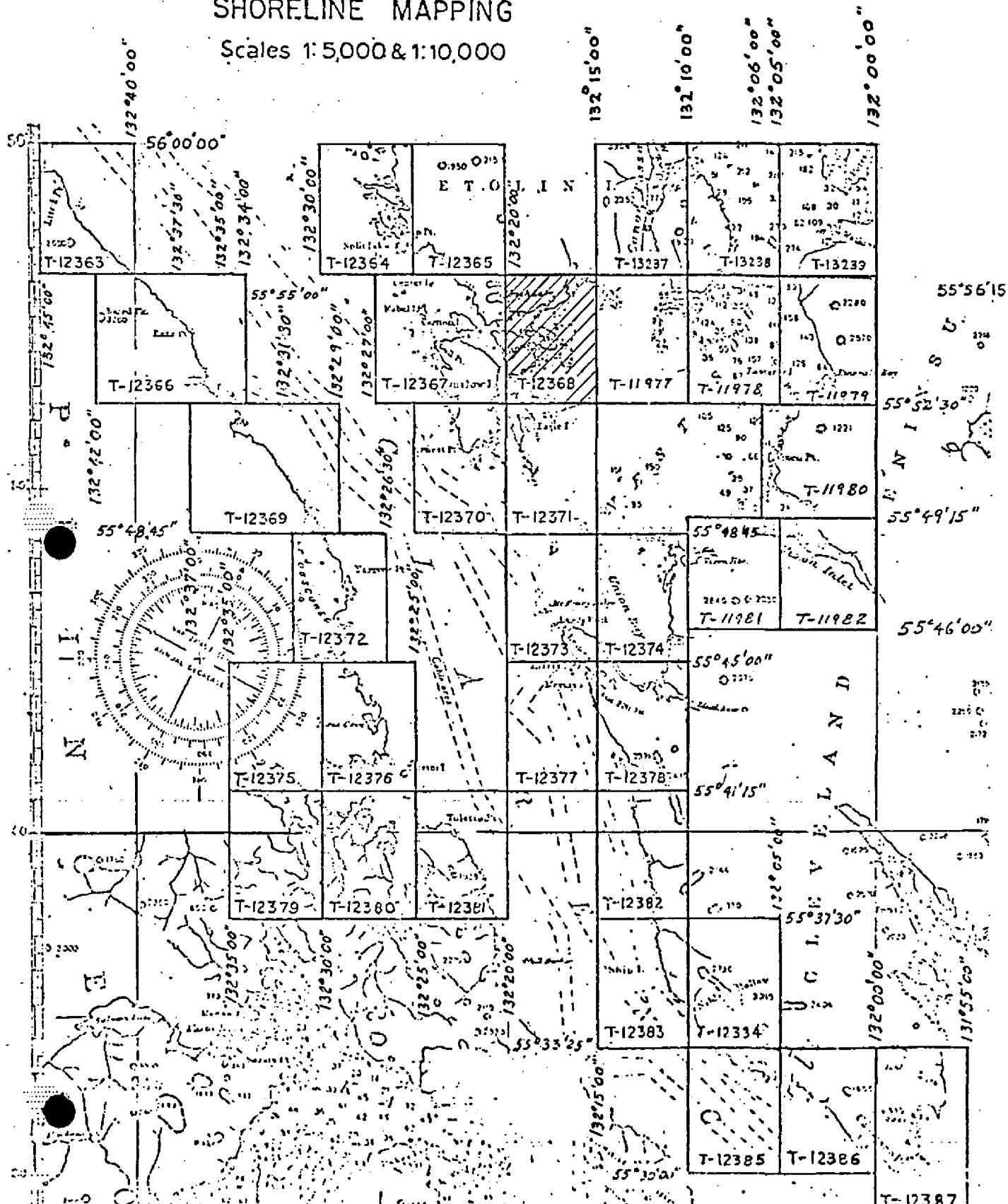
1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
none		NA	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
3. PHOTO NUMBERS (Clarification of details) 63W-7877, 7878, 7319, 7900, 7901, 7904, and 65L-5113			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED none			
PHOTO NUMBER	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) Field Edit Report & field notebook Field Edit Ozalid			

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NOAA FORM 76-36D (3-72)		T-12368 <b>RECORD OF SURVEY USE</b>			U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	
<b>I. MANUSCRIPT COPIES</b>						
COMPILATION STAGES					DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT		
Compilation complete pending field edit	Apr 1971	Class III	May 14, 71	Apr 21, 71		
Field edit applied compilation complete	May 1978	Class III	Jun 15, 78	Apr 9, 74		
Final Review	Apr 1987	Final Field Edited Map	June 1988			
<b>II. LANDMARKS AND AIDS TO NAVIGATION</b> <span style="float: right;">None</span>						
<b>1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH</b>						
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS			
<b>2.</b> <input type="checkbox"/> REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: <span style="float: right;">None</span> <b>3.</b> <input type="checkbox"/> REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: <span style="float: right;"> </span>						
<b>III. FEDERAL RECORDS CENTER DATA</b>						
<b>1.</b> <input checked="" type="checkbox"/> BRIDGING PHOTOGRAPHS; <input checked="" type="checkbox"/> DUPLICATE BRIDGING REPORT; <input checked="" type="checkbox"/> COMPUTER READOUTS. <b>2.</b> <input checked="" type="checkbox"/> CONTROL STATION IDENTIFICATION CARDS; <input type="checkbox"/> FORM NOS 567 SUBMITTED BY FIELD PARTIES. <b>3.</b> <input checked="" type="checkbox"/> SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS: <span style="float: right;"> </span> <b>4.</b> <input type="checkbox"/> DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: <span style="float: right;"> </span>						
<b>IV. SURVEY EDITIONS</b> <small>(This section shall be completed each time a new map edition is registered)</small>						
SECOND EDITION	SURVEY NUMBER TP - <span style="float: right;">(2)</span>	JOB NUMBER PH - <span style="float: right;"> </span>	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 - <span style="float: right;">(3)</span>	JOB NUMBER PH - <span style="float: right;"> </span>	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 - <span style="float: right;">(4)</span>	JOB NUMBER PH - <span style="float: right;"> </span>	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				

REVISED 9/23/76 RWW  
REVISED 10/9/86 D.B.  
T-13240 CANCELED  
REVISED 12/11/86 JDM  
T-13381 CANCELED (1976)

132° 15' 00"  
132° 10' 00"  
132° 06' 00"  
132° 05' 00"  
132° 00' 00"



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

T-12368

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° 28' 45" north to latitude 56° 00' 00" and longitude 131° 55' 00" west to longitude 132° 45' 00".

Photographic coverage was provided in July 1963 using the "W" camera (focal length 153.02 millimeters) at 1:15,000 and 1:30,000 scale, and in July 1965 using the "L" camera (focal length 152.21 millimeters) at 1:30,000 scale. Black and white panchromatic film was used both years.

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

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

Compilation was performed at the Atlantic Marine Center during April 1971.

Field edit was accomplished during May 1972.

Application of field edit and advancing this map to Class I status was achieved in May 1978.

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

This Descriptive Report contains all pertinent information used to compile this Final Field Edited 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 ACS

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.

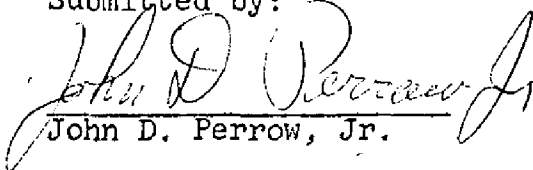
24. Supplemental Data

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

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.

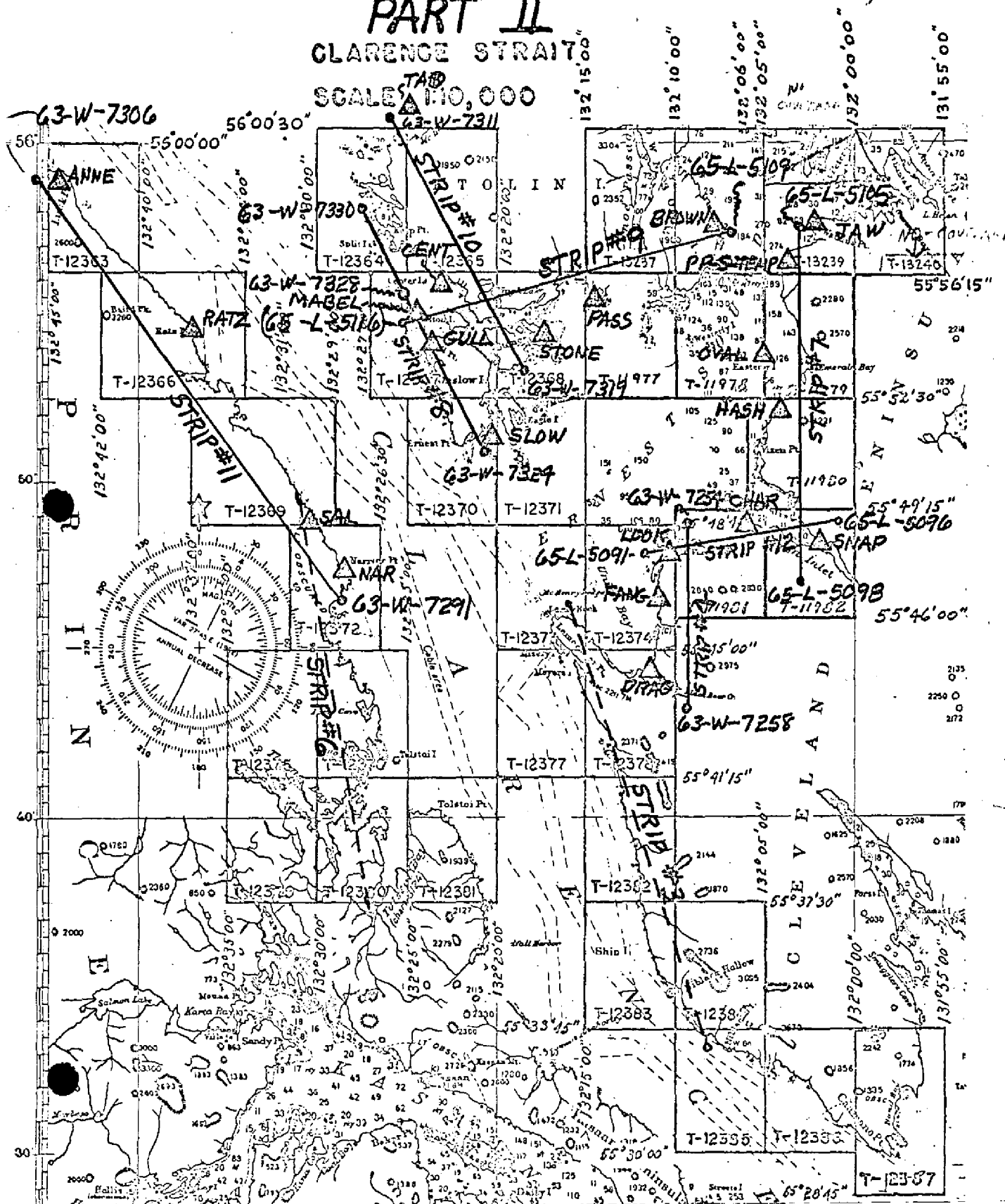
*No photo coverage on the northern part of T-13234 or any of T-13240.  
Points on T-13234 and 13236 must be established as in the strip #8.*

NOV. 1970

ALASKA

CLARENCE STRAIT

SCALE <sup>TAB</sup> 1:10,000





# COMPILATION REPORT

T-12368

## 31. DELINEATION:

The Wild B-8 stereoplotter was used for delineation. Photography for delineation of the mean high water line was adequate. There was no mean lower low water line shown for the south half of the manuscript due to the lack of low water photography for that area.

## 32. CONTROL:

See "Photogrammetric Plot Report," dated December 3, 1970.

## 33. SUPPLEMENTAL DATA:

None.

## 34. CONTOURS AND DRAINAGE:

Contours are inapplicable. Drainage was delineated from office interpretation of the photographs.

## 35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line was delineated from office interpretation of the photographs taken at 12.3 ft. above mean lower low water. Details of the foreshore and mean lower low water line was delineated from office interpretation of the photographs taken at 2.2 ft below mean lower low water for the north portion. No low water photographs were available for the area to the south of the latitude 55° 54'. An arbitrary dashed line was shown in this area to indicate a probable limit of ledge and foul areas. All tides were computed from the predicted tide tables.

## 36. OFFSHORE DETAILS:

See Item 35, concerning the stage of tide at the time of the photography.

## 37. LANDMARKS AND AIDS:

No landmarks or aids were found in this area.



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38. CONTROL FOR FUTURE SURVEYS:

No comment.

39. JUNCTIONS:

See Form 76-36B.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with U.S.G.S. Quadrangle Craig (D-1), Alaska, scale 1:63,360 dated 1951.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with Chart 8161, 3rd edition, April 11, 1966, scale 1:80,000.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

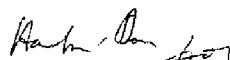
None.

Submitted by:



L. L. Graves  
Cartographic Technician  
April 8, 1971

Approved and forwarded:

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

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6303 (Clarence Strait, Alaska)

T-12368

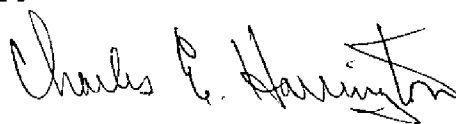
Eagle Island

Ernest Sound

Etolin Island

Stones Islands

Approved:



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

## FIELD EDIT REPORT

Ernest Sound - S.E. Alaska

OPR 465

March-May 1972

INTRODUCTION

Field edit reports are attached for the following maps:

T-11977	T-11981
T-11978	T-11982
T-11979	T-12368
T-11980	T-12371

Field photographs and copies of the field edit ozalids were taken into the field. The mean high water line was verified by visual inspection of the shoreline and ozalids in the field. Sextant fixes were plotted on boat sheets FA 10-1-72, FA 10-2-72, and FA 10-3-72. The hydrographic location was then compared with the photogrammetric position. Height data for all rocks, ledges and some shoreline is either written directly on the ozalid or entered in the field edit notebook along with position data, in which case the notebook and page number are referenced on the ozalid.

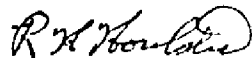
Notes have been made in violet on the office photographs and have been cross-referenced on the field edit ozalids by photograph number. All notes on the field photographs have been transferred to the office photos due to the poor condition of the field photographs.

All times through 30 April 1972 are based on 120°W meridian. All times after this date are based on 105°W meridian due to conversion to Daylight Saving Time. The following maps are affected by both time zones:

T-11977	T-12368
T-11978	

Compilation of the maps is good. It is recommended that the maps be revised in accordance with the notes on the photographs and the field edit notebook before acceptance as advance manuscripts. Field inspection of these maps is complete.

Approved by:



R. H. Houlder  
CAPT NOAA  
Cmdg Ship FAIRWEATHER

## FIELD EDIT REPORT

Map T-12368

Ernest Sound - S.E. Alaska

Field edit of Map T-12368 was done by LT (jg) Emerson G. Wood and LT (jg) David B. McLean during April and May, 1972. Inspection was done from a small boat and on foot when fixes on land were required.

METHOD

Field photographs and a copy of the field edit ozalid were examined in the field. The mean high water line was verified by visual comparison of the beach area and the ozalid in the field, and by measured distances from the MHWL to photo-identifiable objects. Isolated rocks, ledges, and some shoreline were located by sextant fixes and plotted on boat sheet FA 10-1-72. Heights of rocks, reefs, and high points of ledges are noted on the photographs, in the field edit notebook, or directly on the ozalid.

Notes have been made in violet on the office photographs and have been cross-referenced on the field edit ozalid by photograph number. The following photographs were referenced on the ozalid:

63W-7877	63W-7901
63W-7878	63W-7904
63W-7319	65L-5113
63W-7900	

Times are based on 120°W meridian (before 30 April 1972) and on 105°W meridian (after 30 April 1972).

ADEQUACY OF COMPILATION

Compilation of this map is good. Hydrographic location of features compares well to photogrammetric location. Note is made of the following items:

A submerged reef at Lat. 55°55.7'N, Long. 132°16.3'W, was not visible at low tide, although hydro records (FA 10-2-72) show a depth of 1.7 fms. at this position.

One rock at Lat. 55°55.08'N, Long. 132°19.5'W, was not visible at low water. Hydrographic records (FA 10-1-72) show a sounding of 2.3 fms. at this location.

A rock shown on the edge of the foul line at Lat. 55°54.25'N, Long. 132°18.32'W, was not visible at low water.

A submerged ledge was found to exist at the position of two rocks shown at Lat. 55°55.14'N, Long. 132°18.5'W. Hydrographic records verified the positions of the two rocks (FA 10-1-72).

The following items were located in the field, but are not shown on the ozalid:

A sunken ledge exists at Lat. 55°53.70'N, Long. 132°17.58'W.

Three rocks were located at Lat. 55°53.78', Long. 132°16.70', and one rock was found at Lat. 55°53.90', Long. 132°16.88', indicating an extensive shoal area to the east of Stones Islands.

Field inspection of the map is complete.

#### RECOMMENDATIONS

It is recommended that the map be revised in accordance with the notes on the photographs and in the field edit notebook, and that the map be accepted as an advance manuscript.

Respectfully submitted,

*Emerson G. Wood*

Emerson G. Wood  
LT (jg), NOAA

REVIEW REPORT  
SHORELINE  
T-12368

61. GENERAL STATEMENT:

See Summary included with this report. The photographs used to compile the Mean Lower Low Water Line only covered the northern half of this map.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U. S. Geological Survey Quadrangle: Craig (D-1) Alaska, dated 1951.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with Hydrographic Surveys H-9285 and H-9286, both 1:10,000 scale.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with NOS charts:

17385, 11th edition, dated August 11, 1984, scale 1:80,000;  
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.

Submitted by:

*Lowell O. Neterer, Jr.*  
Lowell O. Neterer, Jr.  
Final Reviewer  
April 17, 1987

Approved for forwarding:

*Billy H. Barnes*  
Billy H. Barnes  
Chief, Quality Assurance Group, AMC

Approved:

*July O. Rohorn*  
Chief, Photogrammetric Production Sect.

*Ray Byrne*  
Chief, Photogrammetry Branch

## FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

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

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

[illegible]