

T-12371

T-12371

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

## DESCRIPTIVE REPORT

*Map No.*

T-12371

*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*

ON SLOW POINT

19 63 TO 19 72

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>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">TYPE OF SURVEY</td> </tr> <tr> <td><input checked="" type="checkbox"/> ORIGINAL</td> <td></td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td></td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td></td> </tr> </table>		TYPE OF SURVEY		<input checked="" type="checkbox"/> ORIGINAL		<input type="checkbox"/> RESURVEY		<input type="checkbox"/> REVISED											
TYPE OF SURVEY																					
<input checked="" type="checkbox"/> ORIGINAL																					
<input type="checkbox"/> RESURVEY																					
<input type="checkbox"/> REVISED																					
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division AMC, Norfolk, VA		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">SURVEY TP. 12371</td> </tr> <tr> <td colspan="2">MAP EDITION NO. (1)</td> </tr> <tr> <td colspan="2">MAP CLASS final</td> </tr> <tr> <td colspan="2">JOB PH. 6303</td> </tr> </table>		SURVEY TP. 12371		MAP EDITION NO. (1)		MAP CLASS final		JOB PH. 6303											
SURVEY TP. 12371																					
MAP EDITION NO. (1)																					
MAP CLASS final																					
JOB PH. 6303																					
OFFICER-IN-CHARGE Jeffrey G. Carlen		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">LAST PRECEDING MAP EDITION</td> </tr> <tr> <td colspan="2">TYPE OF SURVEY</td> </tr> <tr> <td><input type="checkbox"/> ORIGINAL</td> <td></td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td></td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td></td> </tr> <tr> <td colspan="2">JOB PH. _____</td> </tr> <tr> <td colspan="2">MAP CLASS _____</td> </tr> <tr> <td colspan="2">SURVEY DATES:</td> </tr> <tr> <td colspan="2">19__ TO 19__</td> </tr> </table>		LAST PRECEDING MAP EDITION		TYPE OF SURVEY		<input type="checkbox"/> ORIGINAL		<input type="checkbox"/> RESURVEY		<input type="checkbox"/> REVISED		JOB PH. _____		MAP CLASS _____		SURVEY DATES:		19__ TO 19__	
LAST PRECEDING MAP EDITION																					
TYPE OF SURVEY																					
<input type="checkbox"/> ORIGINAL																					
<input type="checkbox"/> RESURVEY																					
<input type="checkbox"/> REVISED																					
JOB PH. _____																					
MAP CLASS _____																					
SURVEY DATES:																					
19__ TO 19__																					
I. INSTRUCTIONS DATED																					
1. OFFICE		2. FIELD																			
Aerotriangulation Jan 9, 1967 Compilation Mar 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		Control Feb 10, 1966																			
II. DATUMS																					
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)																			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)																			
3. MAP PROJECTION  polyconic		4. GRID(S) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">STATE Alaska</td> <td style="width: 50%;">ZONE 1</td> </tr> <tr> <td>STATE</td> <td>ZONE</td> </tr> </table>		STATE Alaska	ZONE 1	STATE	ZONE														
STATE Alaska	ZONE 1																				
STATE	ZONE																				
5. SCALE 1:10,000		STATE ZONE																			
III. HISTORY OF OFFICE OPERATIONS																					
OPERATIONS		NAME	DATE																		
1. AEROTRIANGULATION BY METHOD: stereoplanigraph LANDMARKS AND AIDS BY		J. Perrow	Dec 1970																		
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: coradomat CHECKED BY		P. Dempsey	Oct 1971																		
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:15,000 CONTOURS BY CHECKED BY		L. Neterer	Jan 1971																		
4. MANUSCRIPT DELINEATION PLANIMETRY BY METHOD: smooth drafted CHECKED BY SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY		R. White	Jan 1971																		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		A. Shands	Jan 1971																		
6. APPLICATION OF FIELD EDIT DATA BY		R. Pate	Jan 1971																		
7. COMPILATION SECTION REVIEW BY		NA																			
8. FINAL REVIEW BY		NA																			
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		A. Shands	Jan 1971																		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		R. Pate	Jan 1971																		
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		F. Gustafson	Mar 1976																		
12. MAP REGISTERED - COASTAL SURVEY SECTION BY		R. Kravitz	Mar 1980																		
13. MAP REGISTERED - COASTAL SURVEY SECTION BY		R. Kravitz	Mar 1980																		
14. MAP REGISTERED - COASTAL SURVEY SECTION BY		L.O. Neterer, Jr.	Aug 1987																		
15. MAP REGISTERED - COASTAL SURVEY SECTION BY		L.O. Neterer, Jr.																			
16. MAP REGISTERED - COASTAL SURVEY SECTION BY		P. Dempsey	Jun 1988																		
17. MAP REGISTERED - COASTAL SURVEY SECTION BY		J. Liban	July 1988																		

NOAA FORM 76-36B  
(3-72)

T-12371

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

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8"W"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	<input type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				MERIDIAN	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
63W(P) 7324-7325	July 2, 1963	11:26	1:30,000	11.4 ft above MLLW	
63W(P) 7874-7876	July 4, 1963	13:24	1:15,000	12.3 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:

No mean lower low water line was compiled within the limits of this manuscript.

## 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 T-12368	EAST no survey	SOUTH T-12373	WEST T-12370
------------------	-------------------	------------------	-----------------

REMARKS

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	B. Williams	May 1966
2. HORIZONTAL CONTROL	RECOVERED BY R. Melby	May 1966
	ESTABLISHED BY R. Melby	May 1966
	PRE-MARKED OR IDENTIFIED BY R. Melby	May 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 None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
63W(P) 7324	SLOW, 1966		

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)  
2 Forms 152

T-12371  
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	RH Houlder	Mar/May 72
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	NA NA NA
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	E. Wood
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

63W 7875\_7876    63W 7319    63W 7325

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 - Notebook

Field edit report

Signal overlay

5

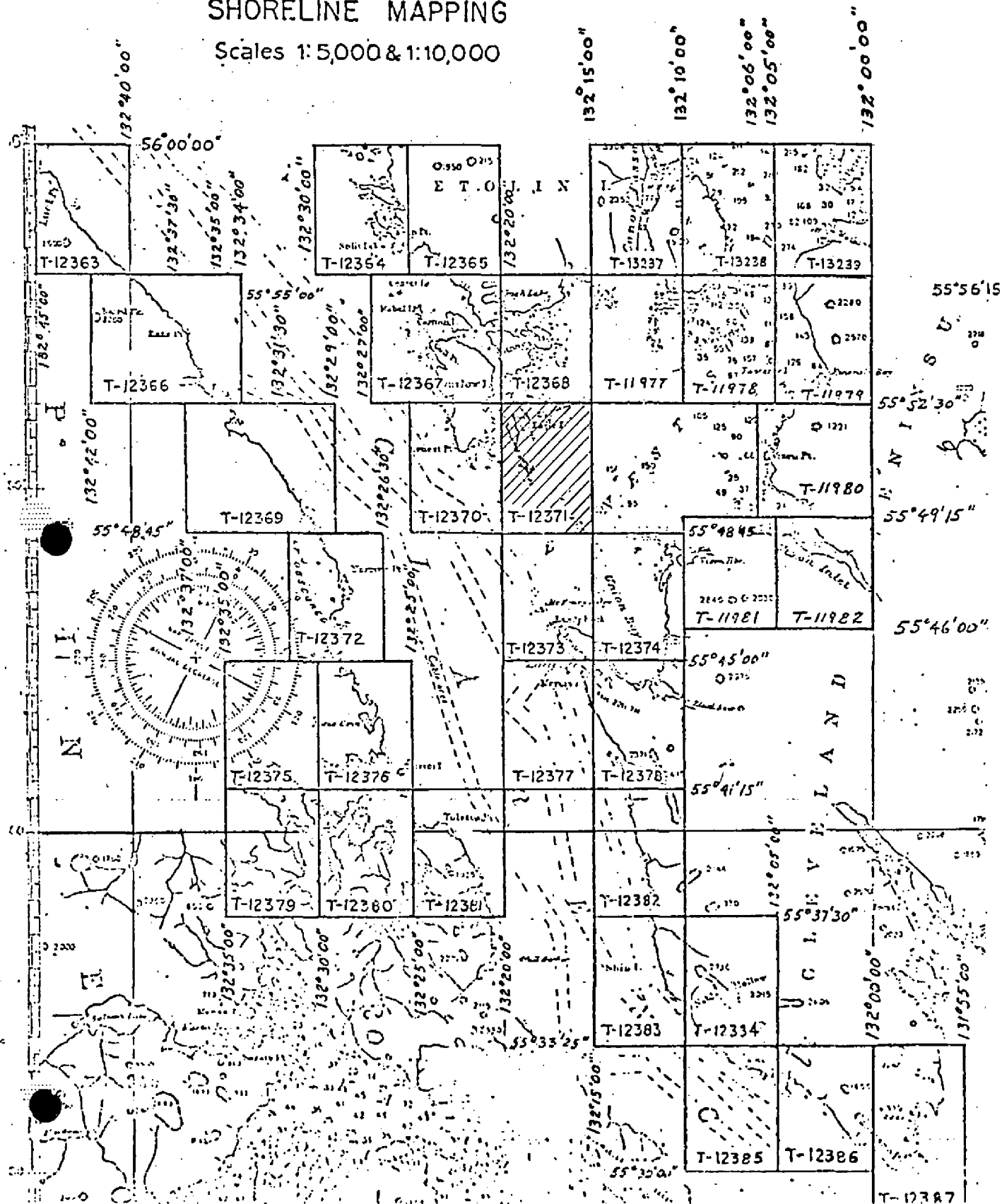
NOAA FORM 76-36D (3-72)	T-12371	U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		
<b>RECORD OF SURVEY USE</b>				
<b>I. MANUSCRIPT COPIES</b>				
COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	Jan 1971	Class III	Feb 10, 71	Jan 25, 71
Field edit applied compilation complete	Mar 1980	Class I	Mar 25, 80	April 19, 74
Final Review	Aug 1987	Final Field Edited Map	June 1988	
<b>II. LANDMARKS AND AIDS TO NAVIGATION</b> <u>None</u>				
<b>1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH</b>				
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS	
2. <input type="checkbox"/> REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: <u>None</u>				
3. <input type="checkbox"/> REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____				
<b>III. FEDERAL RECORDS CENTER DATA</b>				
1. <input checked="" type="checkbox"/> BRIDGING PHOTOGRAPHS; <input checked="" type="checkbox"/> DUPLICATE BRIDGING REPORT; <input checked="" type="checkbox"/> COMPUTER READOUTS.				
2. <input checked="" type="checkbox"/> CONTROL STATION IDENTIFICATION CARDS; <input type="checkbox"/> FORM NOS 567 SUBMITTED BY FIELD PARTIES.				
3. <input type="checkbox"/> SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS: _____				
4. <input type="checkbox"/> DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____				
<b>IV. SURVEY EDITIONS</b> (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	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	

CLARENCE STRAIT  
ALASKA

## SHORELINE MAPPING

Scales 1:5,000 & 1:10,000

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



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

T-12371

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, using black and white panchromatic film.

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 January 1971.

Field edit was accomplished during May 1972.

Application of field edit and advancing this map to Class I status was achieved in March 1980.

Final review was completed at the Atlantic Marine Center during August 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 station 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 similiar marine

9

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.

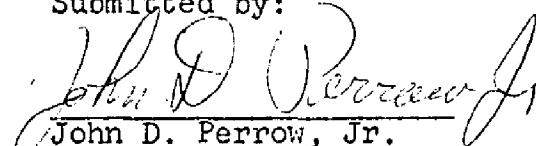
24. Supplemental Data

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

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 half of T-1322 or any of T-13240.  
Points on T-1322 and T-1324 must be tied to the bridge on strip #6.*

# SHORELINE MAPPING

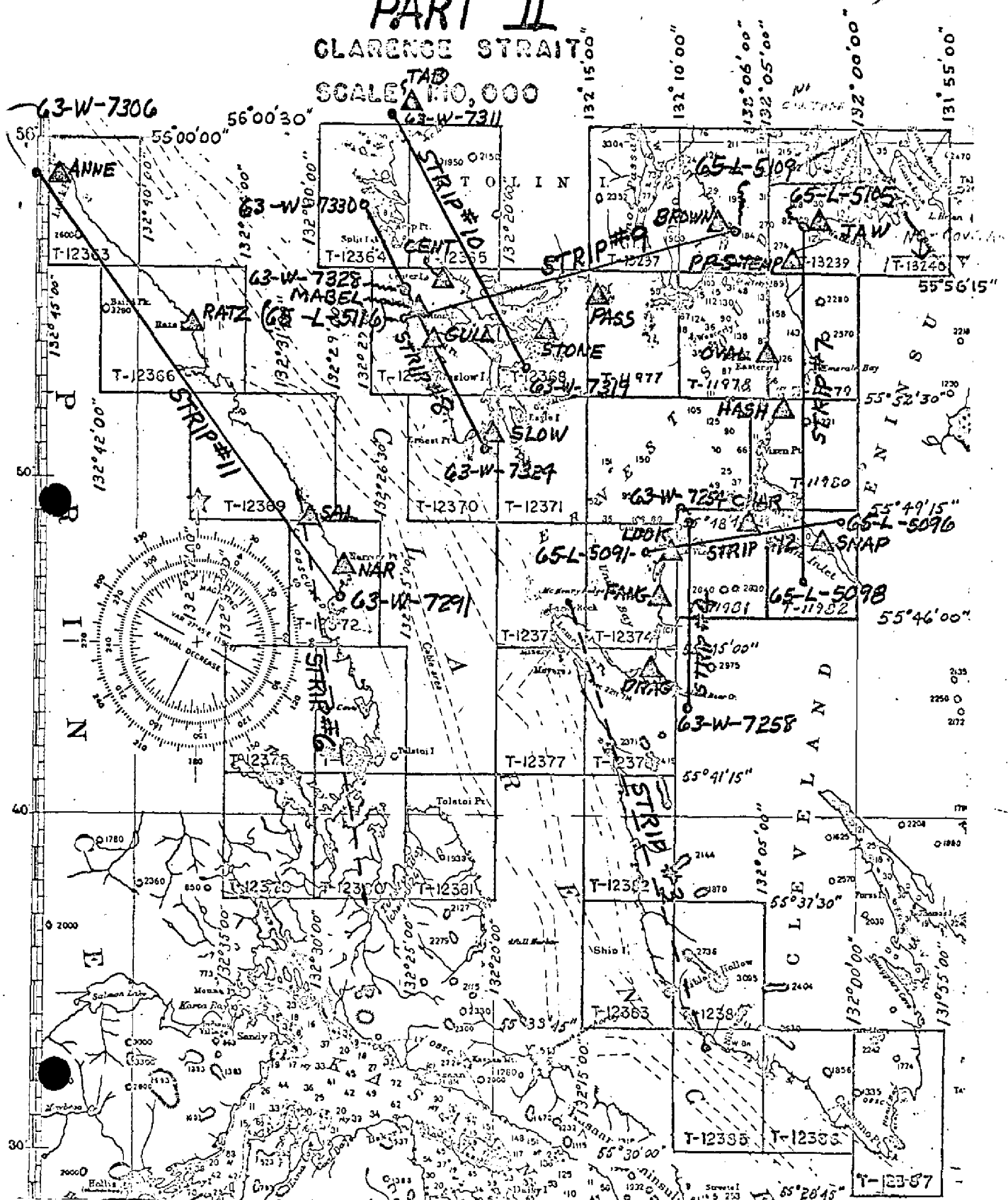
NOV. 1970

ALASKA

## PART II

CLARENCE STRAIT:

SCALE <sup>TAB</sup> NO. 000





## COMPILATION REPORT

T-12371

31. DELINEATION:

The detail north of Latitude 55° 51.7' with the exception of the two southern most Muffin Islands, was compiled on the Wild B-8 stereoplotter. All other detail was compiled graphically. Photograph coverage was adequate.

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 shoreline and all alongshore area details were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS:

Offshore details were delineated from office interpretation of the photographs.

37. LANDMARKS AND AIDS:

None.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See Form 76-36B included with this report.



T-12371

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USGS quadrangle CRAIG (D-1), Alaska, scale 1:63,360, and dated 1951.

47. COMPARISON WITH NAUTICAL CHARTS:

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

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

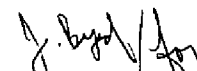
None.

Submitted by:



Arnold L. Shands  
Cartographer  
January 14, 1970

Approved and forwarded:



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

OCT 23 1957

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6303 (Clarence Strait, Alaska)

T-12371

Clarence Strait

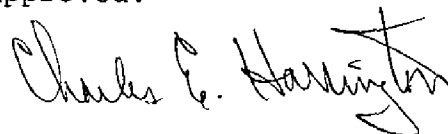
Eagle Island

Ernest Sound

Muffin Islands

Onslow Point

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-12371

Ernest Sound - S.E. Alaska

Field edit of Map T-12371 was done by LT (jg) Emerson G. Wood during 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-7319	63W-7875
63W-7325	63W-7876

All times are based on 105°W meridian.

The MHWL on the south tip of Eagle Is. was found to be in error. The MHWL was sketched on office photograph 63W-7325.

ADEQUACY OF COMPILATION

Compilation of this map is good. Hydrographic location of features compares well to photogrammetric location. Field inspection of this map is complete.

Two rocks not shown on the ozalid, were located at the following positions:

Lat. 55°51.11'	55°51.15'
Long. 132°19.03'	132°19.05'

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-12371

61. GENERAL STATEMENT:

See Summary included with this report.

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, scale 1:63,360.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with Hydrographic Survey H-9285, 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.

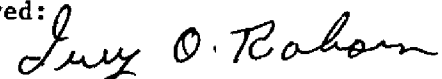
Submitted by:

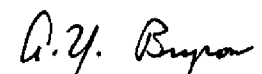
  
Lowell O. Neterer, Jr.  
Final Reviewer  
August 28, 1987

Approved for forwarding:

  
Billy H. Barnes  
Chief, Quality Assurance Group, AMC

Approved:

  
Chief, Photogrammetric Production Sect.

  
Chief, Photogrammetry Branch  
Rockville

## FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

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

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]