

T-12363

T-12363

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

DESCRIPTIVE REPORT

Map No.

T-12363

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

LUCK POINT

1963 TO 1971

REGISTERED IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY

☒ ORIGINAL☐ RESURVEY☐ REVISEDSURVEY TP. 12363MAP EDITION NO. (1)MAP CLASS FinalJOB PH-6303

PHOTOGRAMMETRIC OFFICE

Coastal Mapping Division

AMC, Norfolk, VA

OFFICER-IN-CHARGE

Jeffrey G. Carlen

LAST PRECEDING MAP EDITION

TYPE OF SURVEY

☐ ORIGINAL☐ RESURVEY☐ REVISEDJOB PH-MAP CLASS

SURVEY DATES:

19 TO 19

I. INSTRUCTIONS DATED

1. OFFICE

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 Amendment 1 Dec 7, 1971

2. FIELD

Field - Feb 10, 1966

II. DATUMS

1. HORIZONTAL:

☒ 1927 NORTH-AMERICAN

OTHER (Specify)

2. VERTICAL:

☒ MEAN HIGH-WATER
☐ MEAN LOW-WATER
☐ MEAN LOWER LOW-WATER
☐ MEAN SEA LEVEL

OTHER (Specify)

3. MAP PROJECTION

Polyconic

4. GRID(S)

STATE
AlaskaZONE
1

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	J. Perrow H. Eichert	Dec 1970 Dec 1970
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY	L. Neterer R. White	Dec 1970 Dec 1970
INSTRUMENT: Wild B-8 SCALE: 1:10,000	CONTOURS BY CHECKED BY	N.A. N.A.
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY	B. Wilson R. Pate	Dec 1970 Jan 1971
METHOD: smooth drafted SCALE: 1:10,000	CONTOURS BY CHECKED BY	N.A. N.A.
HYDRO SUPPORT DATA BY	B. Wilson	Dec 1970
CHECKED BY	R. Pate	Jan 1971
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	R. Pate	Jan 1971
6. APPLICATION OF FIELD EDIT DATA BY	F. Crustafson	May 1974
CHECKED BY	J. Byrd	June 1978
7. COMPILATION SECTION REVIEW BY	J. Byrd	June 1978
8. FINAL REVIEW BY	L.O. Neterer, Jr.	Dec 1986
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	L.O. Neterer, Jr.	Jan 1988
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	P. Dempsey	Jan 1988
11. MAP REGISTERED - COASTAL SURVEY SECTION BY	Ja. Wilson	July 1988

T-12363
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8W	TYPES OF PHOTOGRAPHY LEGEND (C) COLOR X (P) PANCHROMATIC (I) INFRARED	TIME REFERENCE	
TIDE STAGE REFERENCE ☒ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☐ TIDE CONTROLLED PHOTOGRAPHY		ZONE Pacific	☒ STANDARD
		MERIDIAN 120th	☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
63W(P) 7303-7306	Jul 2, 63	11:08	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
TP-00582, CM-7206	No survey	T-12366	T-13096 PH-6705

REMARKS

T-12363
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	B. Williams	Apr 1966
2. HORIZONTAL CONTROL	RECOVERED BY L. Riggers	Apr 1966
	ESTABLISHED BY L. Riggers	Apr 1966
	PRE-MARKED OR IDENTIFIED BY L. Riggers	Apr 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 ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☐ 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

PHOTO NUMBER	STATION NAME
63W(P) 7305	LUCK, 1914 sub points A, B, & C
63W(P) 7306	ANNE, 1966 Sub points A, B, & C

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION DESIGNATION
--------------	---------------------

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)

4 CSI cards (form 152)

T-12363
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	H. Lippold	May 1971
2. HORIZONTAL CONTROL	RECOVERED BY	
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY	
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	
	☐ COMPLETE	
	☐ SPECIFIC NAMES ONLY	
	☒ NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	
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)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

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
signal list

T-12363
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, 71	Jan 18, 71
Field edit applied compilation complete	June 1978	Class I	Aug 8, 78	May 30, 74
Final Review	Dec 1986	Final Map	June 1988	

II. LANDMARKS AND AIDS TO NAVIGATION None

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: None3. ☐ 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 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 ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

JOB PH-6303

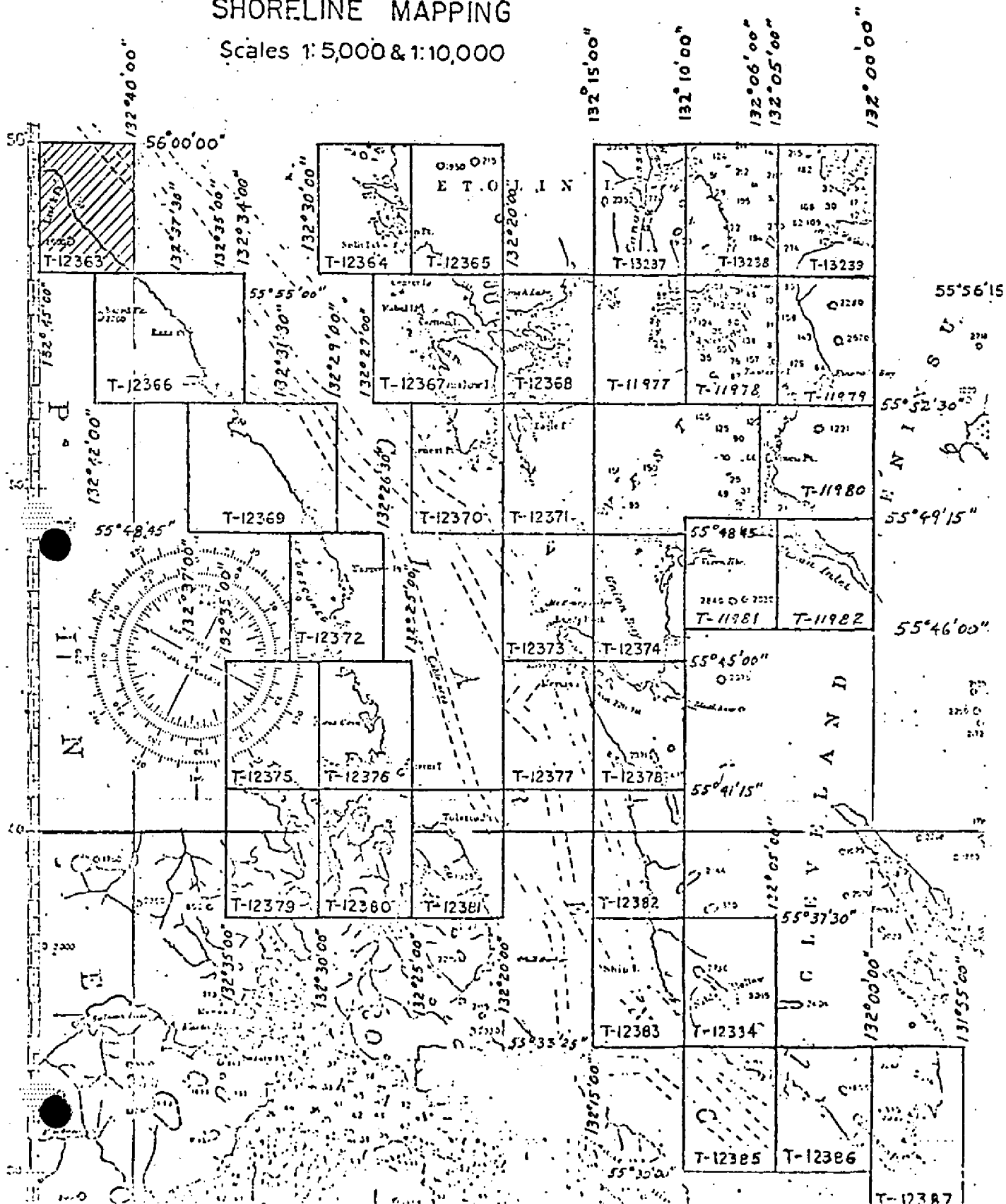
CLARENCE STRAIT

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-12363

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. It consisted of minor shoreline changes.

Application of field edit and advancing this map to Class I status was achieved in June 1978 at the Atlantic Marine Center.

Final review was completed at the Atlantic Marine Center during December 1986.

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

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

FIELD INSPECTION REPORT

Project PH-6303

Shoreline Mapping, Clarence Strait & 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

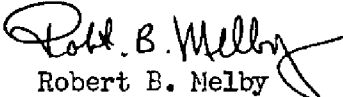
life that reflects a white tone. This will appear as a white band paralleling the shoreline. This is followed by a dark, nearly black color tone. This area receives only occasional wave action during storms. This appears on the photography as a dark band adjacent to and next in elevation above the white 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 Lt. ESSA

C.O. Ship PATTON

Respectfully submitted


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.

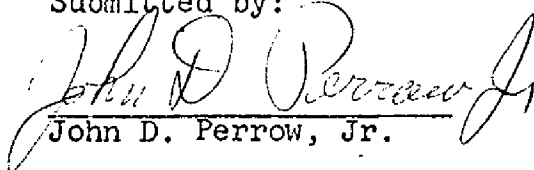
24. Supplemental Data

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 part of T-1377 or any of
T-13240.
Pointing T-12276 and 12277 must be part of the
in the area.*

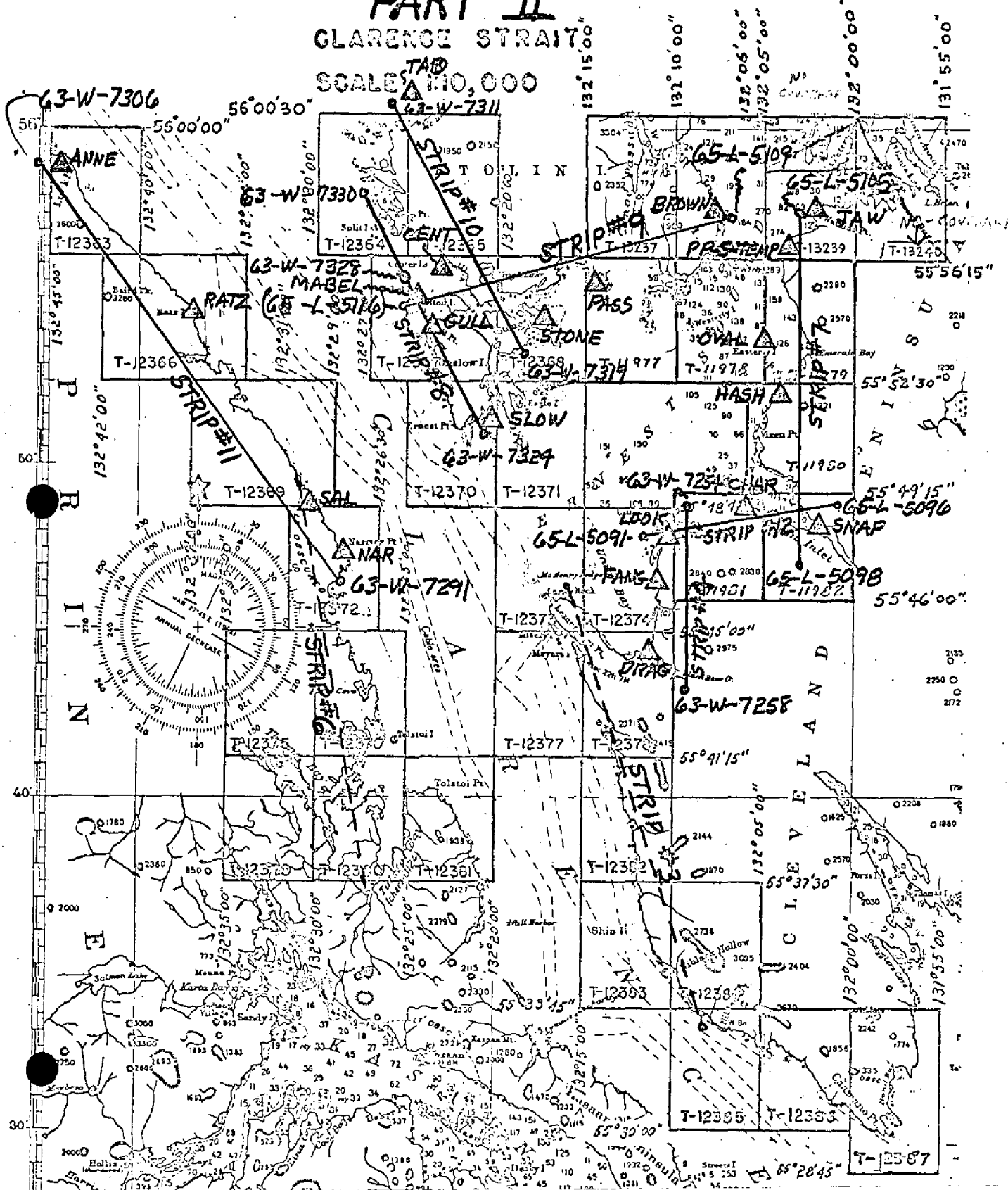
NOV. 1970

ALASKA

PART II

CLARENCE STRAIT:

SCALE ⁷⁴⁰ NO. 000



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	PH-6303	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	GEODETTIC DATUM		ORIGINATING ACTIVITY	
					COORDINATES IN FEET STATE <u>Alaska</u> ZONE <u>1</u>	NA 1927	Division, Norfolk, Va.	Coastal Mapping
STATION NAME						ϕ LATITUDE λ LONGITUDE	REMARKS FORWARD BACK	
ANNE, 1966			GP Vol III Pg. 1041			ϕ 56° 00' 00.12967" ✓ λ 132° 46' 52.47761" ✓	0.4 - (1855.3) ✓ 909.0 ✓ (130.9) ✓	
LUCK (LUCK POINT SOUTH BASE) 1915			55132 pg. 14			ϕ 55° 59' 03.839" ✓ λ 132° 43' 57.390" ✓	118.7 (1737.0) ✓ 995.0 (45.4) ✓	
						ϕ		
						λ		
						ϕ		
						λ		
						ϕ		
						λ		
						ϕ		
						λ		
						ϕ		
						λ		
						ϕ		
						λ		
						ϕ		
						λ		
COMPUTED BY	A. C. Rauck, Jr.					COMPUTATION CHECKED BY	Bernice Wilson	
LISTED BY						LISTING CHECKED BY		
HAND PLOTTING BY						HAND PLOTTING CHECKED BY		
						DATE	11/24/70	
						DATE	DATE	
						DATE	DATE	

COMPILATION REPORT

T-12363

SHORELINE

31. DELINEATION:

The Wild B-8 plotter was used for the pass points and the line of approximate danger-to-navigation. The mean high water line was delineated graphically. The photography was of fair definition but at 11.5 feet of tide.

32. CONTROL:

See Photogrammetric Plot Report, Clarence Strait, Part II-Northern Half, dated December 3, 1970.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are inapplicable.

Drainage was from office interpretation of the photos.

35. SHORELINE AND ALONGSHORE DETAILS:

The shoreline has been delineated from office interpretation of the photos. No low water line has been computed. A line of approximate danger limit has been compiled as an aid to the hydrographer.

36. OFFSHORE DETAILS:

No unusual problems.

37. LANDMARKS AND AIDS:

None.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See Form 76-36B.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

Comparison has been made with USGS Quadrangle CRAIG (D-3), ALASKA, scale 1:63,360, dated 1949, with minor revisions 1963.

47. COMPARISON WITH NAUTICAL CHARTS:

Comparison has been made with Chart 8102, scale 1:229,376, 8th edition, dated December 20, 1965.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Albert C. Rauck, Jr. FOR.
B. Wilson
Cartographic Tech.
December 31, 1970

Approved:

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

OCT 23 1986

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6303 (Clarence Strait, Alaska)

T-12363

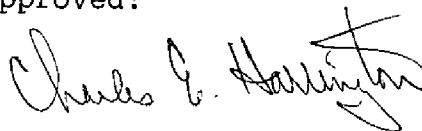
Clarence Strait

Eagle Creek

Luck Point

Prince of Wales Island

Approved:

A handwritten signature in cursive script, appearing to read "Charles E. Harrington".

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

FIELD EDIT REPORT
T-12363

No field edit report was submitted by the field. Horizontal control, i.e. hydro signals, are included with a field edit report for T-12364 which are included with this note.

HORIZONTAL CONTROL

<u>SIGNAL NAME</u>	<u>LATITUDE</u> ° ' meters	<u>LONGITUDE</u> ° ' meters	<u>ORIGIN OF POSITION</u>	
			<u>Photo</u>	<u>Triangulation Station</u>
#001 (LIL)	55 43 1504	132 15 0358	T- 12377	LIL 1922
#002	55 44 0044	132 15 0535	T- 12377	
#003	55 44 0430	132 15 0791	T- 12377	
#004	55 44 1035	132 15 0907	T- 12377	
#005	55 44 1542	132 16 0182	T- 12377	
#006 (MIS)	55 44 1617	132 16 0634	T- 12377	MIS 1915
#007	55 44 1849	132 16 0747	T- 12373	
#008	55 45 0387	132 16 0930	T- 12373	
#009	55 45 0918	132 16 0905	T- 12373	
#010	55 45 0233	132 16 0220	T- 12373	
#011	55 44 1691	132 15 0848	T- 12377	
#012	55 44 1390	132 15 0740	T- 12377	
#013	55 44 1150	132 15 0725	T- 12377	
#014	55 44 1054	132 15 0406	T- 12377	
#015	55 44 0786	132 15 0341	T- 12377	
#016	55 44 0387	132 15 0496	T- 12377	
#017	55 44 0601	132 14 0949	T- 12377	
#018	55 45 1685	132 17 1068	T- 12373	
#019 (BEE)	55 45 1299	132 17 0120	T- 12373	
#020 (LEM)	55 46 0092	132 16 0910	T- 12373	LEM 1922

HORIZONTAL CONTROL (CONT)

<u>SIGNAL NAME</u>	<u>LATITUDE</u> ° ' " meters	<u>LONGITUDE</u> ° ' " meters	<u>ORIGIN OF POSITION</u>	
			<u>Photo</u>	<u>Triangulation Station</u>
#021	55 47 0686	132 10 0926	T- 12374	
#022	55 47 0539	132 10 1035	T- 12374	
#023	55 47 0239	132 11 0130	T- 12374	
#024	55 47 0141	132 11 0236	T- 12374	
#025 (TRAP)	55 45 0681	132 16 0673	T- 12373	
#026 (MATT)	55 44 0793	132 15 0570	T- 12377	
#027 (CC)	55 44 1020	132 15 0183	T- 12377	
#028 (TRAC)	55 45 1174	132 15 0257	T- 12373	
#029 (FISH)	55 44 0857	132 13 0304	T- 12374	
#030 (DRAG)	55 44 0716	132 11 0900	T- 12374	DRAG 1916
#031 (FANG)	55 45 1374	132 10 1030	T- 12374	FANG 1966
#032 (ANT)	55 46 1810	132 11 0341	T- 12374	ANT 1971
#033	55 47 0342	132 11 0449	T- 12374	
#035 (LOOK)	55 47 0930	132 11 0312	T- 12374	LOOK 1922
#036	55 47 1315	132 10 0936	T- 12374	
#037	55 48 0258	132 11 0074	T- 12374	
#038 (MEYERS CHUCK LIGHT)	55 44 0928	132 15 0740	T- 12377	MEYERS CHUCK LIGHT SEE LIGHT LIST
#040	55 50 1886	132 32 0633	T- 12369	
#041	55 51 0243	132 32 0874	T- 12369	
#042	55 51 0549	132 33 0140	T- 12369	
#043	55 51 1369	132 34 0015	T- 12369	

HORIZONTAL CONTROL (CONT.)

<u>SIGNAL NAME</u>	<u>LATITUDE</u> " ' meters	<u>LONGITUDE</u> " ' meters	<u>ORIGIN OF POSITION</u>	
			<u>Photo</u>	<u>Triangulation Station</u>
#044	55 51 0912	132 33 0634	T- 12369	
#045	55 51 1249	133 33 0952	T- 12369	
#046	55 51 1500	132 34 0025	T- 12369	
#047	55 51 1761	132 34 0599	T- 12369	
#048	55 52 0060	132 34 0415	T- 12369	
#049	55 51 1613	132 33 1135	T- 12369	
#050	55 51 1703	132 33 1030	T- 12369	
#051	55 51 1787	132 34 0032	T- 12369	
#052	55 52 0439	132 34 0358	T- 12369	ROY 1971
#053	55 53 0048	132 34 0623	T- 12366	
#054	55 53 0434	132 34 0792	T- 12366	
#055	55 53 0722	132 34 0959	T- 12366	
#056	55 53 0595	132 34 1050	T- 12366	
#058	55 53 0220	132 35 0614	T- 12366	HARBOR 1971
#059	55 53 0515	132 35 0829	T- 12366	RATZ HARBOR BEACON 1916
#060	55 53 0713	132 36 1098	T- 12366	
#061	55 53 1137	132 36 0374	T- 12366	PANEL 1971
#062	55 53 1448	132 36 0718	T- 12366	
#063	55 53 1760	132 36 0902	T- 12366	
#064	55 54 0445	132 36 0838	T- 12366	

HORIZONTAL CONTROL (CONT.)

<u>SIGNAL NAME</u>	<u>LATITUDE</u> ° ' meters	<u>LONGITUDE</u> ° ' meters	<u>ORIGIN OF POSITION</u>	
			<u>Photo</u>	<u>Triangulation Station</u>
0065	55 54 1042	132 36 0940	T- 12366	RATZ 1915
0066	55 54 1335	132 37 0303	T- 12366	
0067	55 54 1786	132 37 0686	T- 12366	
0068	55 55 0403	132 38 0130	T- 12366	
0069	55 55 0693	132 38 0486	T- 12366	
0070	55 55 1177	132 38 0942	T- 12366	
0071	55 55 1822	132 39 0634	T- 12366	
0072	55 56 0605 1252.7	132 40 0284	T- 12363	
0073	55 56 0921 934.7	132 40 0866	T- 12363	
0074	55 56 1449 426.7	132 41 0286	T- 12363	
0075	55 57 0027	132 41 0862	T- 12363	
0080 (DOUBLE)	55 56 1287	132 27 0333	T- 12364	DOUBLE 1922
0081 (CENT)	55 55 1705	132 24 0145	T- 12367	CENT 1916
0082 (HABLE)	55 55 0311	132 24 0870	T- 12367	HABLE 1918
0083 (RAY)	55 55 0181	132 22 1021	T- 12367	RAY 1916
0084 (GULL)	55 54 0334	132 23 0909	T- 12367	GULL 1916
0085 (ERN)	55 51 0355	132 22 0527	T- 12370	ERN 1918
* 0100	55 52 1723	132 35 0601	T- 12366	
* 0101	55 52 1452	132 35 0675	T- 12366	
* 0102	55 52 1718	132 36 0640	T- 12366	

HORIZONTAL CONTROL (CONT.)

<u>SIGNAL NAME</u>	<u>LATITUDE</u> " ' meters	<u>LONGITUDE</u> " ' meters	<u>ORIGIN OF POSITION</u>	
			<u>Photo</u>	<u>Triangulation Station</u>
* #103	55 53 1180	132 36 0826	T- 12366	
* #104	55 53 1363	132 36 0642	T- 12366	

Note: (*) --- indicates signals located by ground survey methods for the 1:5000 survey of RATZ HARBOR.

REVIEW REPORT T-12363
SHORELINE

61. GENERAL STATEMENT

See Summary included with this Report. The northwest corner of this map latitude 55° 58' 30" longitude 132° 43' 30" to the western limit 132° 45' 00" has a ledge line compiled. This information came from photographs 66L (P) 5855 and 5856 project PH 6705.

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-3), Alaska, scale 1:63,360 dated 1949, minor revisions 1963.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

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

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following NOS charts:
17360, 26th edition, dated August 18, 1986, scale 1:217,828;
17382, 12th edition, dated July 25, 1981, scale 1:80,000; 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

December 12, 1986

Approved for forwarding

Billy H. Barnes

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

Approved

Larry O. Rakon

Chief, Photogrammetric Production Sect.

A. J. Bryan

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]