

T-12381

T-12381

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. T-12381	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 TOLSTOI POINT	
1963 TO 1969	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen		SURVEY XX T-12381 MAP EDITION NO. (1) MAP CLASS Final JOB PH. 6303	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen		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 March 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	
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) STATE ZONE Alaska 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		P. Hawkins	Mar. 1967
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY		A. Roundtree	Feb. 1967
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY		D. Johnston	June 1967
INSTRUMENT: Kelsh and graphic SCALE: 1:6,000		R. White	June 1967
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY		N/A	N/A
METHOD: Smooth Drafted SCALE: 1:10,000		R. White	June 1967
HYDRO SUPPORT DATA BY CHECKED BY		L. Graves	June 1967
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		L. Graves	June 1967
6. APPLICATION OF FIELD EDIT DATA BY		B. Wilson	Oct. 1970
CHECKED BY		J. Bulfer	Oct. 1970
7. COMPILATION SECTION REVIEW BY		J. Bulfer	Oct. 1970
8. FINAL REVIEW BY		L. O. Neterer, Jr.	Dec. 1987
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		J. Bulfer	July 1988

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COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild R.C.-8 "W"		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	
63 W 7262-7265	July 2, 1963	10:40	1:30,000	11.4 ft. above MLLW	
63 W 7671-7674	July 2, 1963	15:52	1:15,000	4.5 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:

None compiled.

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	No Survey	T-10687*	T-12380

REMARKS

*Project PH-148

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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 L. Riggers	May 1966
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY L. Riggers	May 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 <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

Photoidentified

2. VERTICAL CONTROL IDENTIFIED

N/A

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
63 W 7263	STOI, 1915		

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	R. Moses	Oct. 1969
2. HORIZONTAL CONTROL	RECOVERED BY None ESTABLISHED BY None PRE-MARKED OR IDENTIFIED BY None	
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 <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY B. Fisher	Oct. 1969
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
N/A		N/A	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

63 W 7672 through 7674 and 7288

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

1 - Field Edit Ozalid and 1 - Field Edit Report.

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	June 1967	Class I Manuscript	June 30, 1967	June 30, 1967
Field edit applied compilation complete	Oct. 1970	Class I Manuscript	May 10, 1972	May 10, 1972
Junction made with T-10687 (PH-148) See letter dated Feb. 5, 1974	Feb. 1974	Class I Manuscript	Feb. 5, 1974	None
Final Review	Dec. 1987	Final Field Edited 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:

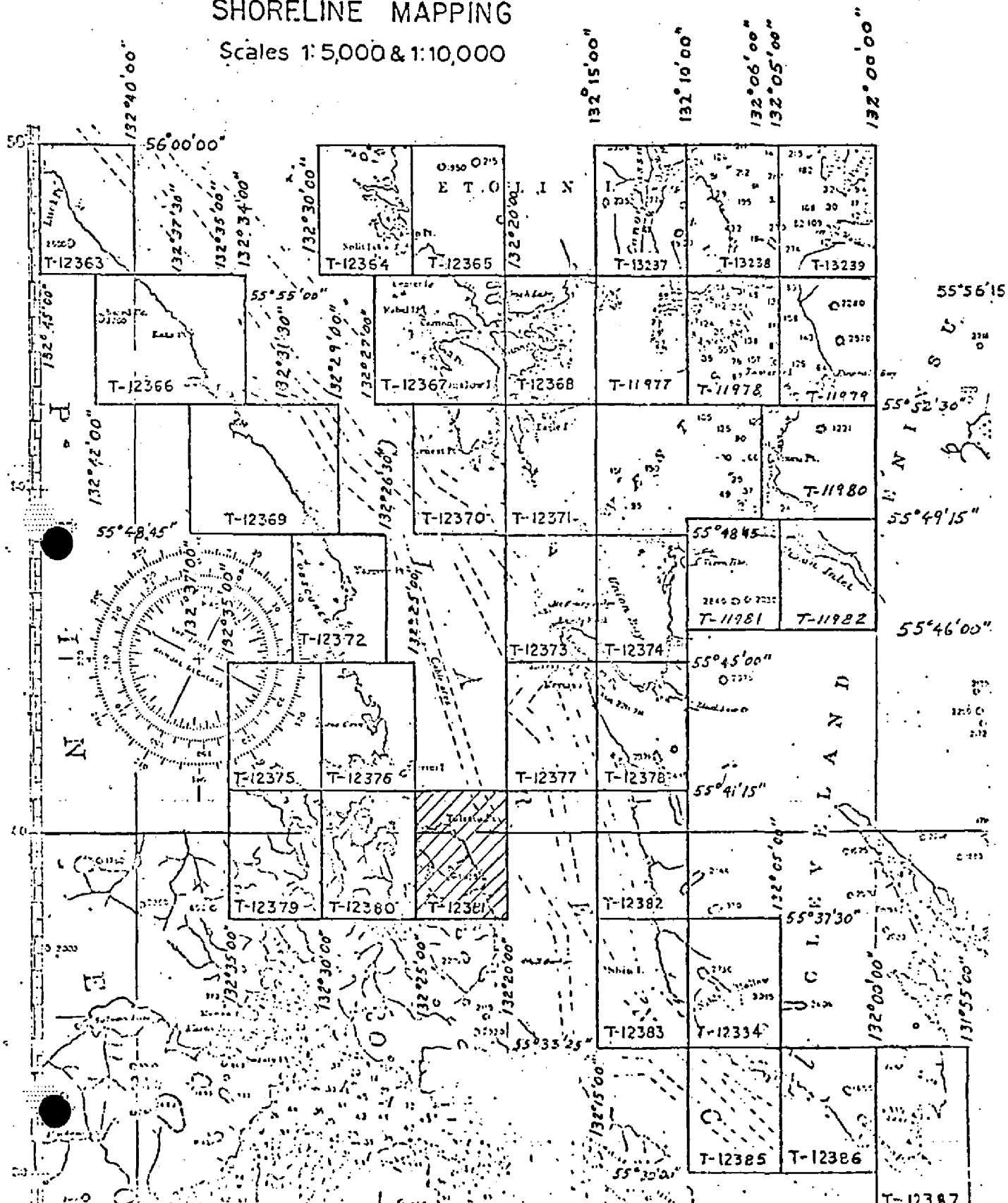
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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 <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	

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

132° 15' 00"



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

T-12381

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 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 March 1967.

Compilation was performed at the Atlantic Marine Center during June 1967.

Field edit was accomplished during October 1969.

Application of field edit and advancing this map to Class I status was achieved in October 1970.

Final review was completed at the Atlantic Marine Center during December 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 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
Bruce I. Williams Lt. EBSA

C.O. Ship PATTON

Respectfully submitted

Robert E. Melby
Robert E. Melby

Surveying Technician, C & GS

PHOTOGRAMMETRIC PLOT REPORT

Job PH-6303

Clarence Strait, Alaska

Part I - Southern Half

March 15, 1967

21. Area Covered

The area covered in this report is along both the east and west shoreline of Clarence Strait, Alaska. Included are all, or part, of T-sheets 12372 thru 12387, at 1:10,000 scale.

22. Method

Five strips were bridged on the stereoplanigraph and adjusted by the IBM 1620 methods. Strip #1 (63-W-7205 thru 7211) was adjusted on three control stations with tie points from Strip #2 as checks. Strip #2 (63-W-7223 thru 7233) was adjusted on four control stations using tie points from Strip #1 and #3 as checks. Strip #3 (63-W-7240 thru 7250), was adjusted on four control stations with tie points from Strip #2 as checks. Strip #5 (63-W-7262 thru 7271) was adjusted on four control stations with tie points from Strip #6 as checks. Strip #6 (63-W-7275 thru 7285) was adjusted on four control stations with tie points from Strip #6 as checks.

All plates were drilled on the PUG. All tie points between strips were averaged.

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) MAN 2, HUB A (temp.) 1930, SS "A", SS "B", SS "C"

None of the three substations could be held in either Strip #1 or #2. Since the field report stated, "instrument #307 giving erratic readings," plus the fact that two positions could be computed for any of the substations (depending on which azimuth station was used) the entire station was dropped from both strips.

(2) JAY 1924, SS "C" Strip #2)

This substation could not be seen clearly in Strip #1 due to overhang. It was held in Strip #2, but was dropped from Strip #1.

(3) NIBLACK 1915, SS "A" (Strip #2)

This substation could not be seen clearly. Since SS "E" and SS "C" held together in the bridge, SS "A" was dropped from the strip.

(4) LEM 1916, SS "B" (Strip #3)

This substation was of very poor quality and was dropped from the bridge. Substation "A" and SS "C" held in the bridge.

(5) THOR 1966, SS "B" (Strip #5)

This substation was of very poor image point and could not be held in the bridge.

(6) JERK 1966, SS "B" (Strip #5)

This substation was of very poor image quality and was dropped from the bridge.

(7) NAR 1915, SS "B" (Strip #5)

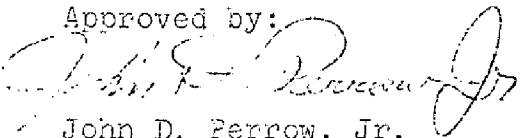
This substation was of poor image quality and was dropped from the bridge.

In general, the photo quality of most of the substations was very poor. It is realized that the field was working in a very difficult area and fortunately provided three substations for most control stations. For this reason the above were dropped from the bridge with no fear of detracting from the overall accuracy.

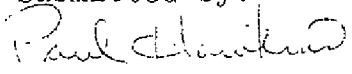
25. Photography

Photography was adequate as to coverage, overlap and definition.

Approved by:


John D. Ferrow, Jr.

Submitted by:


Paul Hawkins

COMPILATION REPORT

T-12381

31. DELINEATION:

The KELSH plotter was used to compile the shoreline from the 1:30,000 scale photography. The foreshore detail was compiled graphically from the 1:15,000 scale photography. Definition of the photography was good. There was no field inspection.

32. CONTROL:

See Photogrammetric Plot Report, Part I, Southern Half dated March 15, 1967.

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 alongshore details were compiled from office interpretation of the photographs.

36. OFFSHORE DETAILS:

Offshore rocks were compiled from office interpretation of the photographs.

37. LANDMARKS AND AIDS:

None.

38. CONTROL FOR FUTURE SURVEYS:

None.

T-12381

39. JUNCTIONS:

Junction has been made with T-12380 to the west. There are no contemporary surveys to the north and east. A satisfactory junction to the south has been made with T-10687 (PH-148). Refer to letter dated February 5, 1974, Re: Junction between T-12381 (PH-6303) and T-10687 (PH-148).

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USGS quadrangle CRAIG (C-2), Alaska, scale 1:63,360, dated 1949, with minor revisions 1962.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with Chart 8102, scale 1:229,376, 8th edition, dated 1965.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

James Byrd / for

B. Wilson
Cartographic Technician
October 19, 1970

Approved and forwarded:

James Byrd / for
A. C. Rauck, Jr.

Chief, Coastal Mapping Section

OCT 23 1986

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6303 (Clarence Strait, Alaska)

T-12381

Clarence Strait

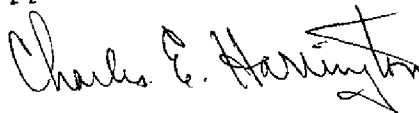
Kasaan Peninsula

Prince of Wales Island

Tolstoi Bay

Tolstoi Point

Approved:

A handwritten signature in cursive script, reading "Charles E. Harrington". The signature is written in dark ink and is positioned above the printed name and title.

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

FIELD EDIT REPORT

Map T-12381

Tolstoi Point

October 1969

Field edit of map T-12381 was done by LTJG Glenn Endrud and LTJG Bruce Fisher during October 1969. 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. No fixes were taken on isolated rocks or reefs. Several photo-identifiable objects around Tolstoi Point were located with sextant cuts on boat sheet DA-10-7-69 (H-9085) and then compared with the photogrammetric position. Heights of several reefs are noted on the photographs.

Notes have been made in violet on the field photographs and have been cross-referenced on the Field Edit Ozalid by photograph number. All times are based on 105°W meridian. Notes are on the following photographs:

63W7672	63W7674
63W7673	56W2788

ADEQUACY OF COMPILATION

Compilation of this map is fair. Hydrographic location of features compares well to photogrammetric location. The mean high water line, however, appears to be too low. Both features which are in question on the field edit ozalid should be delineated as islands. The southern feature is already delineated as an island on Map T-10687. Field inspection of this map is complete.

RECOMMENDATIONS

It is recommended that the mean high water line be moved inshore so as

to agree with Map T-10687. It is further recommended that, with the above mentioned recompilation, this map be revised in accordance with the notes on the photographs and accepted as an advance manuscript.

Respectfully submitted,

Bruce W. Fisher

Bruce W. Fisher
LTJG, USESSA



Rauch CAM521

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SURVEY
Rockville, Md. 20852

Date: FEB 5 1974

Reply to
Attn of: C34

Subject: Junction between Map T-12381 (Job PH-6303) and Map T-10687
(Job PH-148)

To: CAM5

1. Purpose

This memo outlines the requirements for affecting a junction between the subject maps.

2. Background

Map T-12381 was compiled 6 inches beyond its neat line into map T-10687 of Project PH-148. Differences exist in the resulting common details. These maps were field edited in conjunction with Hydro Survey H-9085, dated 1969. The details shown on the verified smooth sheet are from map T-12381, although use of the details shown on map T-10687 in the overlap area is specifically recommended in the Field Edit Report.

3. General

The field editor recommended moving the entire mean high-water line shown on T-12381 inshore so as to agree with map T-10687 (refer to the Field Edit Report for map T-12381). However, no data was furnished by the field editor to accomplish this.

It is believed that the field editor based his recommendation on an evaluation only of the discrepancy between the surveys in the common (overlap) area. While some of the differences in the mapped mean high-water lines may be attributed to this implied difference in vertical datum, there is evidence of an inadequate "tie" between the two photogrammetric plots (PH-6303 and PH-148). This difference in the results of the plots is believed to be a significant factor in the discrepancy.

The procedures outlined under Section 2 were agreed to in conference with the Chief, Hydrographic Survey Branch. The compilation activity shall prepare "Notes to Hydrographic and Photogrammetric Surveys Reviewers" to account for the procedures used in resolving the junction discrepancy.

4. Procedures

.01 Remove the map details compiled beyond the neat line on map T-12381 and make a junction with map T-10687. Map T-12381 should be changed to the extent required for a reasonable "junction". *OK*

.02 Account for the changes on the tabular format "Record of Survey Use" which is on the manuscript. *OK*

.03 Prepare and forward a Chart Maintenance Print to account for the changes. *OK*

.04 Forward to C3421 a stable base matte copy of the revised manuscript and a copy of the "Notes to Hydrographic and Photogrammetric Surveys Reviewers" (refer to section 3). *OK*

Wesley G. Hull
Wesley G. Hull
Chief, Coastal Mapping
Division

REVIEW REPORT
SHORELINE

T-12381

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.G.S. Quadrangle: CRAIG (C-2), Alaska, scale 1:63,360, dated 1951.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with Hydrographic Survey H-9085, 1:10,000 scale.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following N.O.S. chart:

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 9, 1987

Approved for forwarding:

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

Approved:

Lucy O. Robson
Chief, Photogrammetric Production Sect.

A. Y. Bryan
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.

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]