

T-12387

T-12387

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
THIS MAP WILL NOT BE FIELD EDITED	
Map No. T-12387	Edition No. 1
Job No. PH-6303	
Map Classification FINAL CLASS III MAP	
Type of Survey SHORELINE	
LOCALITY	
State ALASKA	
General Locality CLARENCE STRAIT	
Locality CAAMANO POINT	
19 63 TO 19	
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		SURVEY TR- <u>12387</u> MAP EDITION NO. (1) MAP CLASS Final Class III JOB PH- <u>6303</u>	
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	Field	Feb. 10, 1966
Compilation	Mar. 20, 1967		
Compilation Supplement 1	Nov. 6, 1970		
Compilation Supplement 2	Nov. 23, 1970		
Compilation Supplement 3	Nov. 5, 1971		
Compilation Amendment 1	Dec. 7, 1971		

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 Alaska ZONE 1	
5. SCALE 1:10,000		STATE ZONE	

III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS	NAME	DATE	
1. AEROTRIANGULATION BY P. Hawkins		Mar. 1967	
METHOD: Stereoplanigraph LANDMARKS AND AIDS BY			
2. CONTROL AND BRIDGE POINTS PLOTTED BY A. Roundtree		Feb. 1967	
METHOD: Coradomat CHECKED BY R. Glaser		Mar. 1967	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY A. Shands		Apr. 1967	
COMPILATION CHECKED BY R. Smith		Apr. 1967	
INSTRUMENT: Kelsh CONTOURS BY N/A			
SCALE: 1:6,000 CHECKED BY N/A			
4. MANUSCRIPT DELINEATION PLANIMETRY BY L. Graves		Apr. 1967	
CHECKED BY R. Smith		Apr. 1967	
METHOD: Smooth Draft CONTOURS BY N/A			
CHECKED BY N/A			
SCALE: 1:10,000 HYDRO SUPPORT DATA BY L. Graves		Apr. 1967	
CHECKED BY R. Smith		Apr. 1967	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY R. Smith		Apr. 1967	
6. APPLICATION OF FIELD EDIT DATA BY			
CHECKED BY			
7. COMPILATION SECTION REVIEW BY R. Smith		Apr. 1967	
8. FINAL REVIEW BY L. O. Neterer, Jr.		Jan. 1988	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY L. O. Neterer, Jr.		Jan. 1988	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY P. Dempsey		Jun. 1988	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY J. K. Kahan		July 1988	

NOAA FORM 76-36B
(3-72)

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

T-12387

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S)

Wild R.C.-8 "W"

TYPES OF PHOTOGRAPHY
LEGEND

TIME REFERENCE

TIDE STAGE REFERENCE

☒ PREDICTED TIDES

(C) COLOR

☒ (P) PANCHROMATIC

ZONE

Pacific

☒ STANDARD

T-12387

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 - L. Riggers	Apr. 1966
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY R. Melby - 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 L. Riggers	Apr. 1966
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY L. Riggers	Apr. 1966
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 7207	MAN 2, 1929		
63 W 7223	CAAMANO POINT LIGHT, 1962		
63 W 7210	MUG, 1930		
63 W 7223	CAAMANO, 1912		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
63 W 7223	CAAMANO POINT LIGHT		

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)

7 - Forms 152, 1 - Form 26A, 3 - Forms 6133

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	Apr. 1967	Class III Manuscript	April 28, 1967	April 28, 1967
Final Review	Jan. 1988	Final Class III Map	June 1988	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

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

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: Dec. 2, 19773. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:

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

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

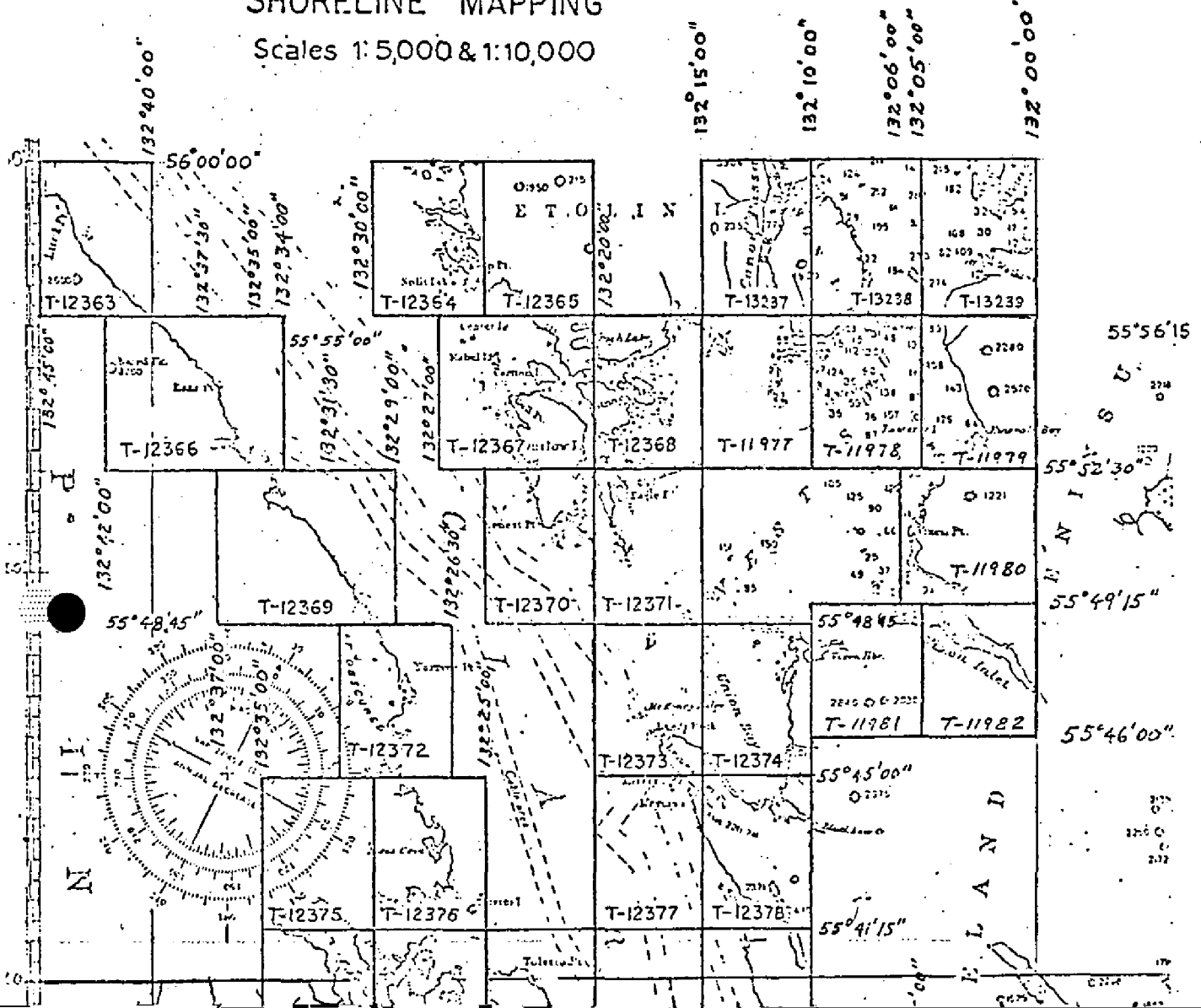
JOB PH-6303

CLARENCE STRAIT
ALASKA

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-12387

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 1:30,000 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 April 1967.

No field edit was accomplished within the limits of this map.

Final review was completed at the Atlantic Marine Center during January 1988.

This Descriptive Report contains all pertinent information used to compile this Final Class III 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 5329 in the vicinity of the field identification of station OVAL, 1916.

Approved:

Bruce I. Williams
Bruce I. Williams Lt. EESSA

C.O. Ship PATTON

Respectfully submitted

Robert B. Melby
Robert B. Melby

Surveying Technician, C & CS

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 IEM 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 "B" 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 #6)

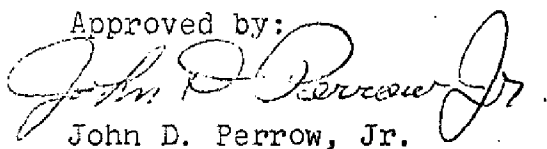
This substation was of poor image quality and was dropped from the bridge.

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. Perrow, Jr.

Submitted by:


Paul Hawkins

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	PH-6303	GEODETIC DATUM		ORIGINATING ACTIVITY		REMARKS
				STATE	ZONE	Division, AMC, Norfolk, VA		
				N.A. 1927		GEOGRAPHIC POSITION		
				COORDINATES IN FEET		φ LATITUDE λ LONGITUDE		
				Alaska				
				1				
CAAMANO, 1912 ✓	G.P. ✓ Vol. 3 ✓ Pg. 984 ✓			X=	φ 55° 29' 55.124" ✓			
				Y=	λ 131° 58' 55.186" ✓			
BOND, 1930 ✓	G.P. ✓ Vol. 2 ✓ Pg. 653 ✓			X=	φ 55° 31' 35.700" ✓			
				Y=	λ 131° 56' 32.432" ✓			
GUM, 1930	G.P. ✓ Vol. 2 ✓ Pg. 654 ✓			X=	φ 55° 33' 45.830" ✓			
				Y=	λ 131° 56' 18.068" ✓			
MAN 2, 1929	G.P. ✓ Vol. 2 ✓ Pg. 602 ✓			X=	φ 55° 30' 12.879" ✓			
				Y=	λ 131° 57' 17.148" ✓			
				X=	φ			
				Y=	λ			
				X=	φ			
				Y=	λ			
				X=	φ			
				Y=	λ			
				X=	φ			
				Y=	λ			
				X=	φ			
				Y=	λ			
				X=	φ			
				Y=	λ			
COMPUTED BY A. C. Rauck, Jr. ✓								DATE 4/17/67 ✓
LISTED BY								DATE
HAND PLOTTING BY								DATE

COMPILATION REPORT

T-12387

31. DELINEATION:

The mean high water line and foreshore details were compiled using the KELSH plotter with 1:30,000 scale photography. There was no field inspection prior to compilation.

32. CONTROL:

See Photogrammetric Plot Report, dated March 15, 1967.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are inapplicable. Drainage was delineated from photo interpretation.

35. SHORELINE AND ALONGSHORE DETAILS:

Shoreline and alongshore details were compiled from office interpretation of the photographs.

36. OFFSHORE DETAILS:

Offshore rocks and small islands were compiled from office interpretation of the photographs.

37. LANDMARKS AND AIDS:

Caamano Point Light, a triangulation station, was located on this manuscript. There are no landmarks.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See Form 76-36B, Item 5, included with this report.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with USGS quadrangles KETCHIKAN (B-6), Alaska, scale 1:63,360, dated 1954 and KETCHIKAN (C-6), Alaska, scale 1:63,360, dated 1952.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 8079, scale 1:79,334, 1st edition, revised April 1, 1963.

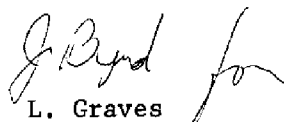
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.


ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:


L. Graves
Cartographic Technician
April, 1967

Approved and forwarded:


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

OCT 23 1981

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6303 (Clarence Strait, Alaska)

T-12387

Behm Cnaal

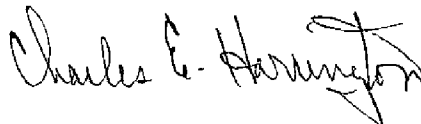
Bond Bay

Caamano Point

Clarence Strait

Cleveland Peninsula

Approved:

A handwritten signature in cursive script, reading "Charles E. Harrington".

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

REVIEW REPORT
SHORELINE

T-12387

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 USGS Quadrangles: KETCHIKAN (B-6), Alaska, dated 1954 and KETCHIKAN (C-6), Alaska, dated 1952, both are 1:63,360 scale.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

There is no contemporary hydrographic survey covering this map.

65. COMPARISON WITH NAUTICAL CHARTS:

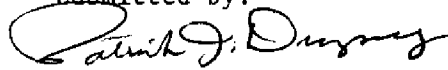
A comparison was made with the following N.O.S. charts:

17420, 23rd edition, dated March 16, 1985, scale 1:229,376 and
17422, 6th edition, dated August 15, 1981, scale 1:79,334.


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:

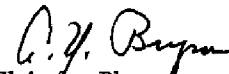

For: Lowell O. Neterer, Jr.
Final Reviewer
January 22, 1988

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.

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]