

11940

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NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Shoreline (Photogrammetric)Job No. PH-6306 Map No. T-11940Classification No. Field Edited Edition No.

LOCALITY

State AlaskaGeneral Locality Hoonah Sound & Peril StraitLocality Point Elizabeth1967 TO 1970

Alfred C. Holmes, Director, AMC

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

T-11940

OBJECT NO. (II):

PH-6306

FIELD OFFICE (II):

None

CHIEF OF PARTY

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center, Norfolk, VA

OFFICER-IN-CHARGE:

Alfred C. Holmes, Director, AMC

INSTRUCTIONS DATED (II) (III):

OFFICE - SEPT. 17, 1968
OFFICE - SUPPLEMENT I-- DEC. 1969
OFFICE - AMENDMENT I - MAR. 26, 1970

METHOD OF COMPILATION (III):

Wild B-8 Stereo-Plotter

MANUSCRIPT SCALE (II):

20,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:25,000 Pantographed to 1:20,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

MAR. 3, 1975

GEOGRAPHIC DATUM (III):

N.A. 1927

VERTICAL DATUM (III):

MEAN ~~LOW~~ ^{HIGH WATER} EXCEPT AS FOLLOWS:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., ~~mean low water~~ mean lower low water

REFERENCE STATION (III):

CROW 1966

LAT.:

LONG.:

57°31'50.81678" (15721M)

135°12'59.06312" (989M)

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y=2,084,580.75 Ft. X=2,381,105.18 Ft.

Alaska

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MAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE,
OR (IV) WASHINGTON OFFICE.

WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

DESCRIPTIVE REPORT - DATA RECORD

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FIELD INSPECTION BY (II): None		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation - June 3,8,17,1967		
PROJECTION AND GRIDS RULED BY (IV): Coradomat		DATE Dec. 8, 1969
PROJECTION AND GRIDS CHECKED BY (IV): Coradomat		DATE Dec. 8, 1969
CONTROL PLOTTED BY (III): Aerotriangulation - Coradomat		DATE Dec. 8, 1969
CONTROL CHECKED BY (III): Aerotriangulation - Coradomat		DATE Dec. 8, 1969
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): I.I. Saperstein		DATE Nov. 1969
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY L.O. Neterer, Jr. Reviewed: A.L. Shands & A.C.	DATE 3/19/70 Rauck 3/16-19/70
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): C. Blood		DATE 4/11/70
SCRIBING BY (III): W. Gilbert		DATE June 14, 1972

DESCRIPTIVE REPORT - DATA RECORD

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CAMERA (KIND OR SOURCE) (III):

Wild RC-8 "L" & "M"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67-L-(c)-3214 thru 67-L-(c)-3219	8 June 1967	09:46	1:30,000	0.5 ft. above MLLW
67-L-(c)-3301 thru 3303	8 June 1967	10:55	1:30,000	3.8 ft. above MLLW
*67-M-694 thru 697	3 June 1967	16:15	1:60,000	4.0 ft. above MLLW
*Bridge photos				

Predicted TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Juneau, Alaska		13.8'	
SUBORDINATE STATION: Fairway Island, Alaska		11.6'	
SUBORDINATE STATION: Point Elizabeth		12.1'	

WASHINGTON OFFICE REVIEW BY (IV): Bernard Kurs, AMC

DATE:
July, 1973

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

2

RECOVERED:

2

IDENTIFIED:

1

NUMBER OF BM(S) SEARCHED FOR (II):

0

RECOVERED:

0

IDENTIFIED:

0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

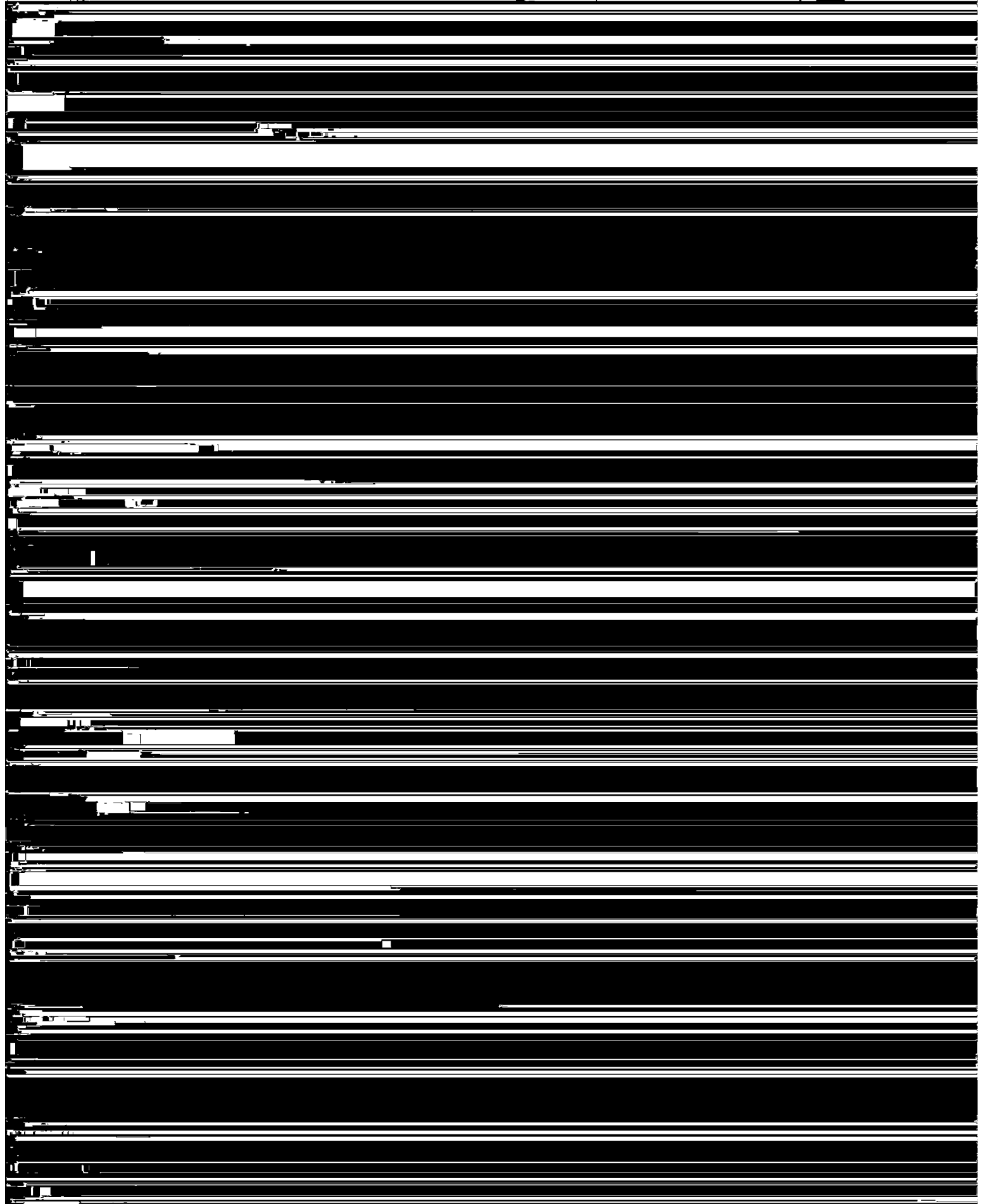
None

REMARKS:

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COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation Complete Pending Field Edit	April, 1970	Superseded
Field Edit Applied North of Lat. $57^{\circ} 31' 15''$ and East of Long. $135^{\circ} 13' 15''$	August, 1970	Superseded
Field Edit Transferred from reduction of T-1332 (scale 1:10,000) Compilation Complete	Sept. 1970	Superseded
Final Review	July, 1973	

Corrected Map



SUMMARY TO ACCOMPANY

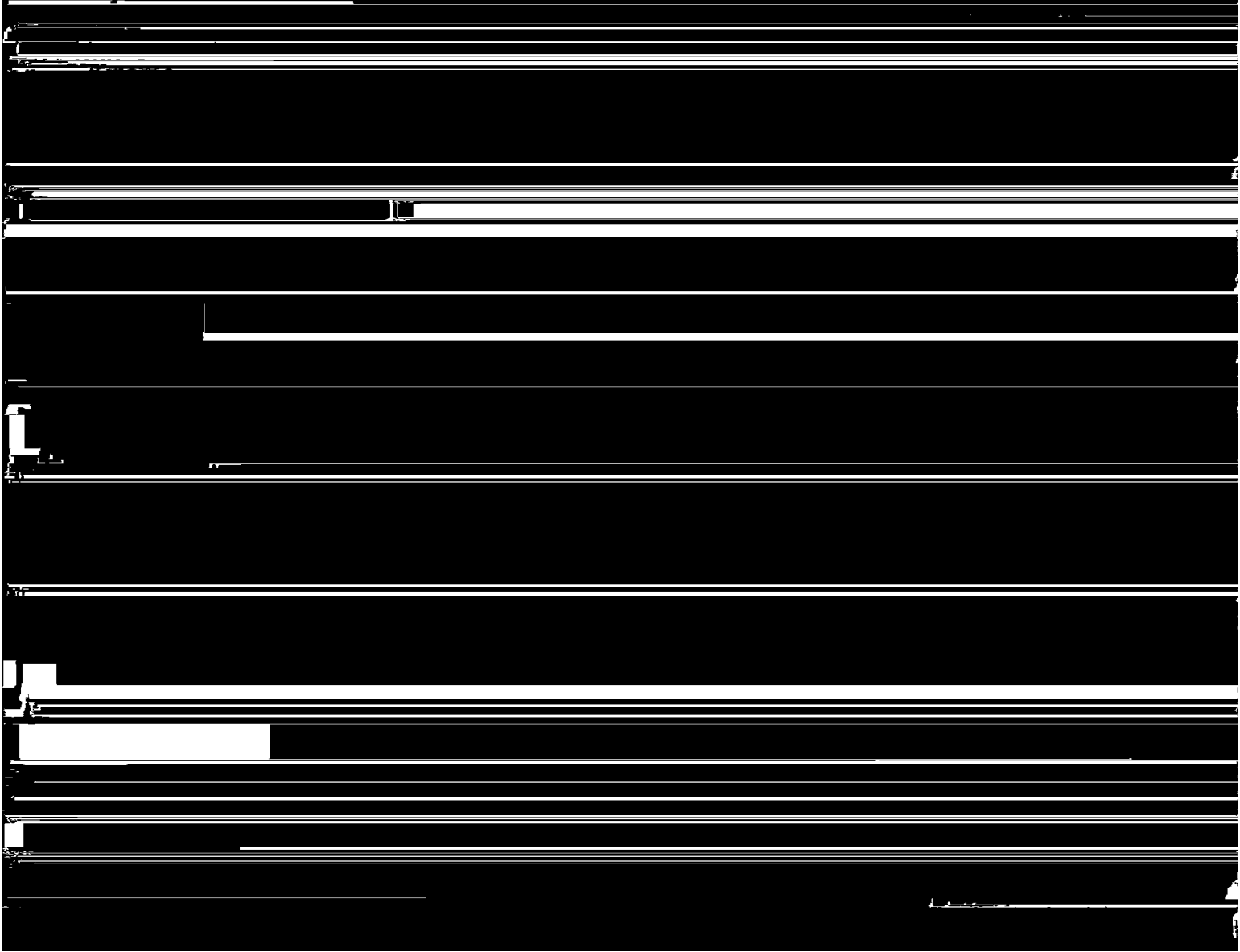
DESCRIPTIVE REPORT

T-11940

Shoreline survey T-11940 is part of project PH-6306. The project is located in southeastern Alaska in the Hoonah Sound-Peril Strait area. This survey covers part of the Peril Strait area and the entrances to Rodman Bay and Appleton Cove.

There was no field work preceding the "Incomplete" manuscript.

Compilation was at 1:20,000 scale using the B-8 plotter to drop control for resecting the ratioed photography. The delineation of detail was by graphic method. This survey includes most of T-13325 compiled at 1:10,000 and reduced in size to be included on this manuscript. A copy of the manuscript classified "Incomplete"



FIELD INSPECTION

T-11940

There was no field inspection prior to compilation.

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Photogrammetric Plot Report (Part II)
Job PH-6306
Hoonah Sound and Peril Strait, Alaska

November 1969

21. Area Covered

This report covers Hoonah Sound, Alaska, by the following eight (8) 1:10,000 scale shoreline T-sheets: T-13324 thru T-13331; three (3) 1:20,000 scale shoreline T-sheets: T-11940 thru T-11942 and by one (1) 1:40,000 scale sheet for chart topography T-11939 with 1:20,000 scale inset. (See Report Part I, October 1968 for strips previously bridged and sheets covered).

22. Method

Ten (10) strips were bridged using analytical aerotriangulation methods. Strips 1, 2, 3, 10, 11 and 13 are 1:60,000 scale panchromatic and strips 8, 9, 12 and 14 are 1:30,000 scale color.

Numerous tie points were located to control several of the strips due to the sparseness of horizontal control.

The attached sketch shows the strips bridged and the plane



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24. Supplemental Data

Vertical control needed for the adjustment was taken from USGS quadrangles.

25. Photography

The definition and quality of the RC-9 "M" panchromatic and RC-8 "L" color photography were good. Coverage is adequate to compile all sheets by either the 1:60,000 or 1:30,000 scale photography.

Respectfully submitted,

I. I. Saperstein
I. I. Saperstein


Approved and forwarded,

Henry P. Eichert
Henry P. Eichert
Chief, Aerotriangulation
Section

Notes to Compiler

In order to compile the 1:10,000 scale sheets in Peril Strait, Rodman Bay and Saook Bay, it may be necessary to do so from the 1:30,000 scale photography. If so, order 1:30,000 color plates and contact photographs where necessary to locate compilation points from the 1:60,000 scale bridging photography. (See photo layout for plates required). All ratio prints should be ordered by the compilation office.

Bridge points will be plotted in Rockville by the Coradi on all sheets except T-11939.



PH-6306

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31. DELINEATION

The Wild B-8 Plotter was used to establish substitute control to use for resecting the ratioed photographs. Delineation of the detail was by graphic method. Photography was adequate. There was no field inspection.

32. CONTROL

See photogrammetric plot report.

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, low-water line and the intermediate area between the two stages were delineated from office interpretation of photographs taken near lower low-water.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

Form 567 for one nonfloating aid was submitted to Rockville Office on September 16, 1970.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions are in agreement with T-13326, T-13124, and T-13190; scale 1:10,000, to the west. There is no contemporary survey from Latitude 57°29'45" to 57°31'15" on the west. T-11941 to the east, scale 1:20,000, is in agreement from latitude 57°28'00" to 57°31'00". There is no contemporary survey north of latitude 57°31'00". The junction to T-13327, 1:10,000 scale to the south is in agreement. T-13325, 1:10,000 scale lies within the limits of this manuscript with the exception of 15" which lies to the south. There is no contemporary survey to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

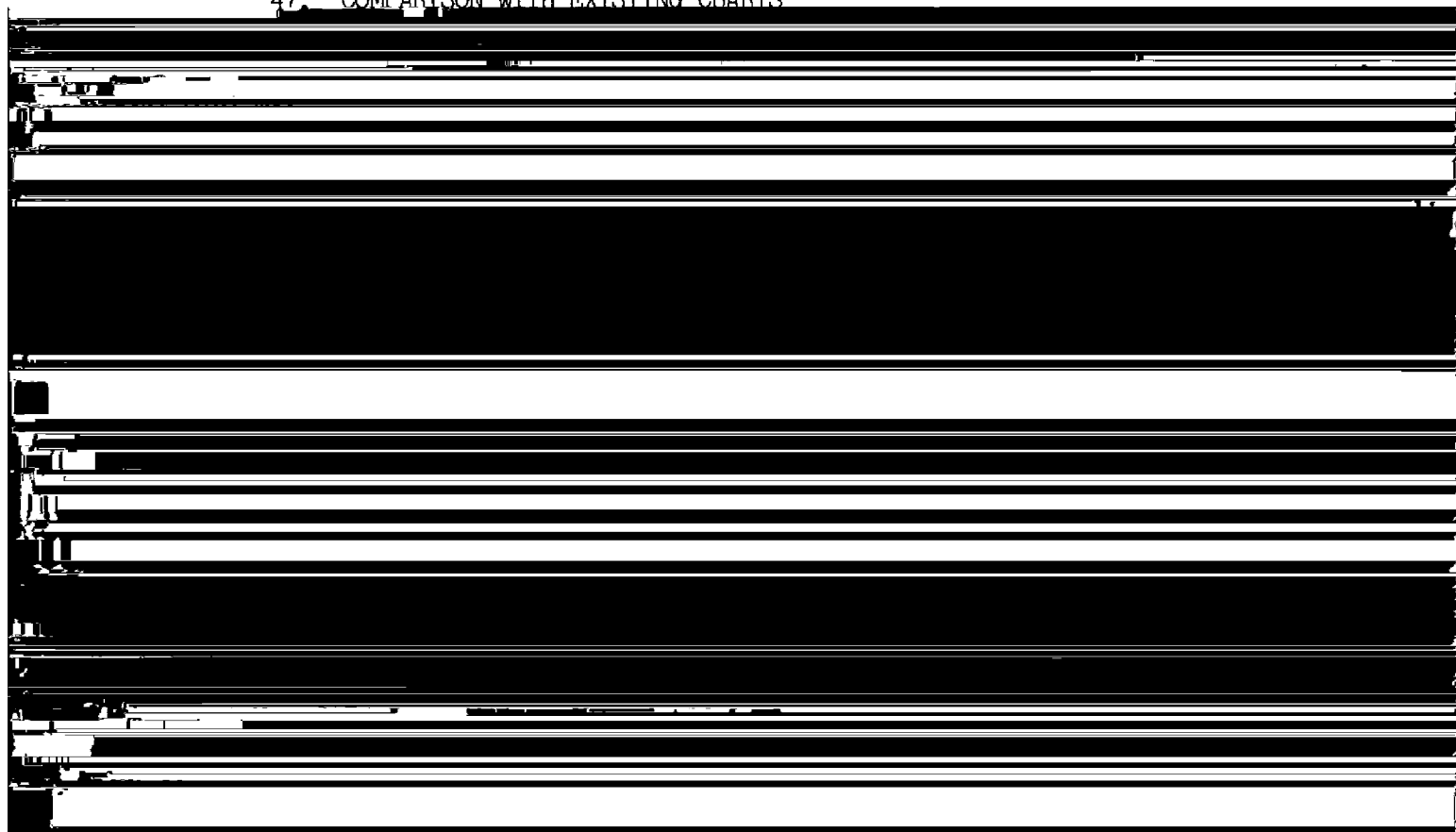
No statement.

41. FIELD EDIT


No form 567 received in this office.

46. COMPARISON WITH EXISTING MAPS


Comparisons were made with USGS Quadrangles, Sitka (B-4), and (C-4), scale 1:63,360, dated 1951.

47. COMPARISON WITH EXISTING CHARTS

Approved for forwarding:


Melvin J. Umbach, CDR, NOAA
Chief, Coastal Mapping Division
AMC

Approved:


Alfred C. Holmes
RADM, NOAA
Director, Atlantic Marine Center

December 18, 1969 /6

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6306 (Alaska)

T-11940

- Andersen Island
- Appleton Cove
- Baranof Island
- Chichagof Island
- Duffield Peninsula
- False Island
- ~~Heers Mountains~~
- Peril Strait
- Peschani Point
- Point Benham
- Point Elizabeth
- Prince Island
- Rodman Bay
- ~~Rodman Rock~~

Approved by:

AW

Al Joseph Wraight
Chief Geographer

Prepared by:

3-22-73

Frank W. Pickett
Cartographic Technician

T-11940

49. NOTES FOR THE HYDROGRAPHER

None.

PHOTOGRAMMETRIC OFFICE REVIEW

T-11940

1. PROJECTION AND GRIDS Coradomat	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHBc	4. MANUSCRIPT SIZE CHB
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CHB	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) X		7. PHOTO HYDRO STATIONS X
8. BENCH MARKS X	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT Bridge - W.O.	11. DETAIL POINTS
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE CHB	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES X
16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES CHB
PHYSICAL FEATURES			
20. WATER FEATURES		21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES X
CULTURAL FEATURES			
27. ROADS CHB	28. BUILDINGS CHB	29. RAILROADS X	30. OTHER CULTURAL FEATURES X
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CHB		34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT CHB
36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS None	39. FORMS
40. REVIEWER Charles H. Bishop 4/11/70		SUPERVISOR, REVIEW SECTION OR UNIT Albert C. Rauck, Jr. <i>Albert C. Rauck, Jr.</i>	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER B. Wilson		SUPERVISOR <i>Albert C. Rauck, Jr.</i> A.C. Rauck, Jr.	
Reviewer: R.E. Smith		Sept. 16, 1970	
43. REMARKS Field Edit Applied From: Field Edit Ozalid, Mat photos, 1:20,000 scale: 67-L-3214, 3215, 3217, 3218 and 1:10,000 scale 67-L-3215.			

FIELD EDIT REPORT

MAP T-11940

Peril Strait

Field edit of map T-11940 was accomplished during May, 1970. Inspection was done from a launch before and after the hydrography.

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 shore area to field photographs and ozalid. Notes on the heights of rocks, location of the MHWL, and other data pertaining to photo identifiable features have been made in violet on the Field Edit Ozalid and cross referenced where necessary, to field matte ratio prints. Unless otherwise indicated all shoreline features have been verified correct as interpreted. All notes are in violet ink on the following 1:20,000 field photos: 67L3217, 67L3214, 67L3215, and 67L3218. All times are based on meridian 105° W.

ADEQUACY OF COMPILATION

Compilation of the map is good. Hydrographic location of features compares well to photogrammetric location. Corrections and additional identifiable features have been indicated on the field edit ozalid and photographs.

Field inspection of the map is complete.

RECOMMENDATIONS

It is recommended that the map be revised in accordance with Field Edit data provided and be accepted as an advance manuscript.

Respectfully submitted,

William D. Neff

William D. Neff
LTJG, USESSA

STRIKE OUT TWO

NONFLOATING AIDS ~~XXXXXXXXXXXX~~ FOR CHARTS

SEPT. 14, 1970

ATLANTIC MARINE CENTER

XXXXXXXXXXXX
I recommend that the following objects which have ~~XXXXXX~~ been inspected from seaward to determine their value as landmarks be charted on ~~XXXXXX~~ the charts indicated.

The positions given have been checked after listing by

ALBERT C. RAUCK, JR.

ALLEN L. POWELL, DIRECTOR

ALLEN L. POWELL, DIRECTOR

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

REVIEW REPORT T-11940

SHORELINE

July, 1973

61. GENERAL STATEMENT

See summary which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED SURVEYS

There is no registered survey in this area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. Quadrangles Sitka (B-4), Alaska and Sitka (C-4), Alaska, 1:63,360 scale dated 1951. Except for minor natural changes there is good agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparisons were made with Boat Sheets H-9125 and 9126 at 1:10,000 scale dated 1970. These were in good agreement. No other boat sheets were available at this time to make a complete comparison of the remainder of this survey. The photogrammetric MLLWL is compiled from photos taken at 0.5 ft. above MLLW (predicted).

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 8283, 1:40,000 scale dated July 17, 1971. There is good general agreement.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

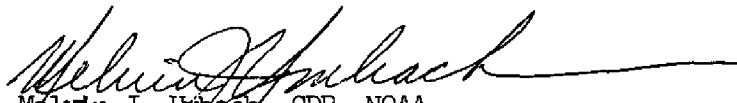
This survey meets with project instructions and the National Standards of Map Accuracy.

Reviewed by:



Bernard Kurs
Cartographer

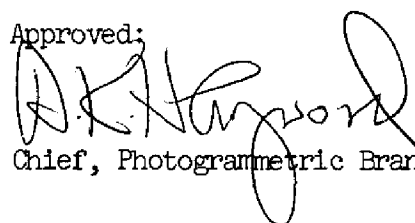
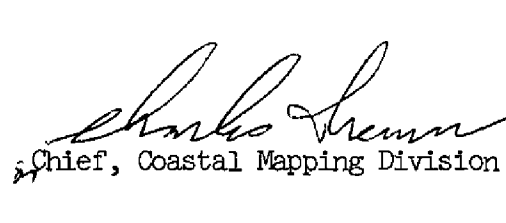
Approved for forwarding:


 Melvin J. Umbach, CDR, NOAA
 Chief, Coastal Mapping Division
 AMC

Approved:


 Alfred C. Holmes
 RADM, NOAA
 Director, Atlantic Marine Center

Approved:

 
 Chief, Photogrammetric Branch ; Chief, Coastal Mapping Division