

13327

ORIGINAL

13327

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-13327

Classification No. Edition No.
Field Edited

LOCALITY

State Alaska

General Locality Hoonah Sound & Peril Strait

Locality Saook Bay

1967 TO 1970

Alfred C. Holmes, Director, AMC

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

F13327

PROJECT 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 and Graphic		
MANUSCRIPT SCALE (III): 1:10,000	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 WATER 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 lower low water	
REFERENCE STATION (III): None		
LAT.:	LONG.:	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): Y = X =		STATE Alaska
		ZONE 1
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

T-13327

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 on T-11941 A.L. Shands on T-13327		DATE Dec. 8, 1969 April 3, 1970
CONTROL CHECKED BY (III): Aerotriangulation - Coradomat on T-11941 R.R. White on T-13327		DATE Dec. 8, 1969 April 3, 1970
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): I. I. Saperstein		DATE Nov. 1969
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY By: A. L. Shands Reviewed By: L.O. Neterer, Jr.	DATE April 3, 1970 April 3, 1970
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): B.L. Barge		DATE April 14, 1970
SCRIBING BY (III): Charles Parker		DATE June 8, 1972
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation: R.J. Pate Field Edit: R.E. Smith Scribing and Stick Up:		DATE April 14, 1970 Aug. 19, 1970
REMARKS: Field Edit By: - M. R. Mulhern		DATE: May 1970

DESCRIPTIVE REPORT - DATA RECORD

T-13327

CAMERA (KIND OR SOURCE) (III):

Wild RC-8 "L" & "M"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67-L-(c)-3265 & 3266	June 1967	10:20	1:30,000	2.3 ft.
67-M-696 & 697	June 3, 1967	16:15	1:60,000	4.0 ft.

Predicted TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	MEAN RANGE
REFERENCE STATION: Juneau, Alaska		13.8'	
SUBORDINATE STATION: Lindenberg Head		11.9'	
SUBORDINATE STATION:			

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

DATE:
May 1973

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

0

RECOVERED:

0

IDENTIFIED:

0

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

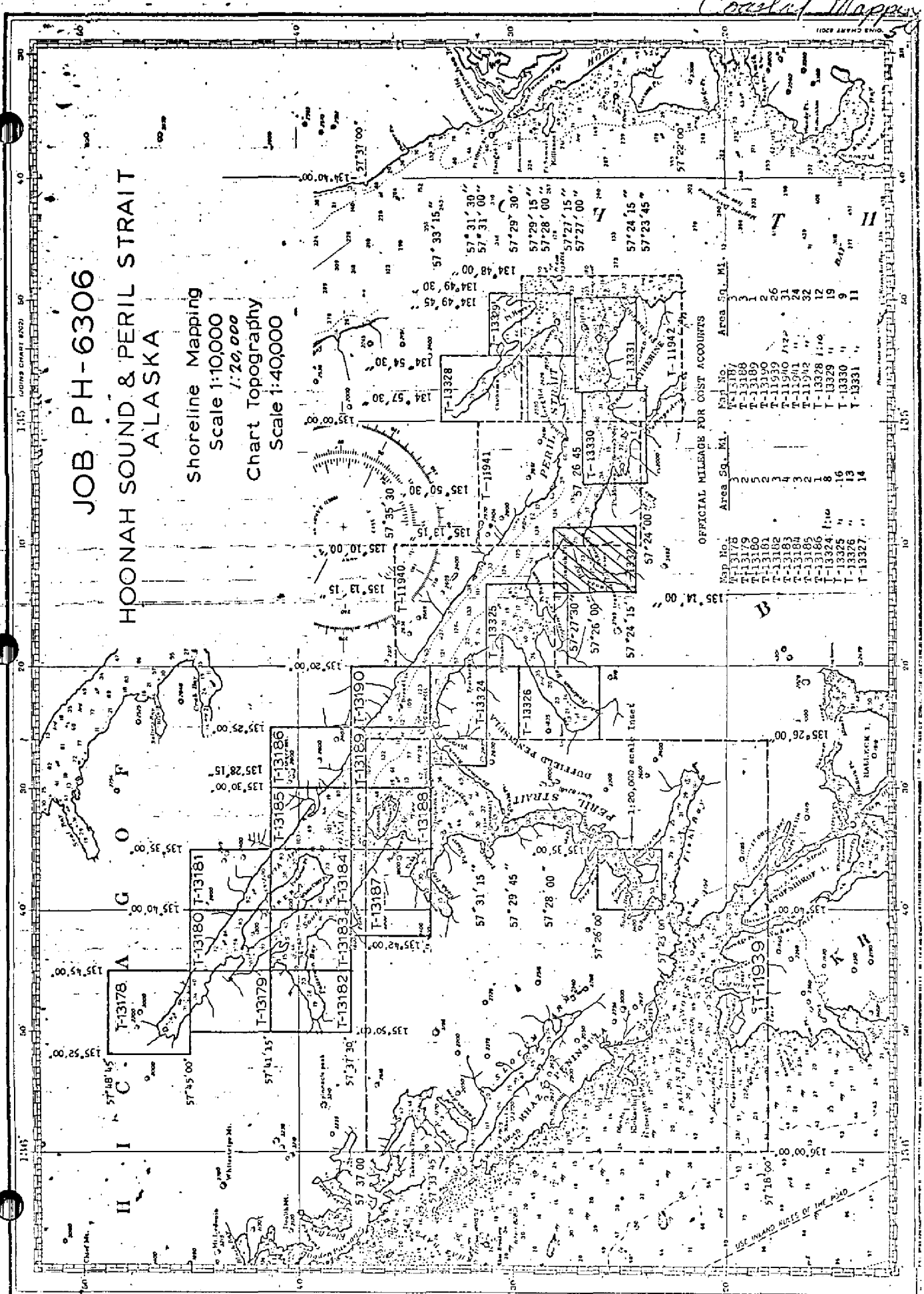
REMARKS:

T-13327

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation Complete Pending Field Edit	April 1970	Superseded
Field Edit Applied Compilation Complete	Aug. 1970	Superseded
Final Review	May 1973	

Shoreline Mapping
Scale 1:10,000
1:20,000
Chart Topography
Scale 1:40,000

Coastal Mapping



SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT

T-13327

Shoreline survey T-13324 is part of project PH-6306. The project is located in southeastern Alaska in the Hoonah Sound. Peril Straits area. This manuscript covers Saook Bay.

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

Compilation was at 1:10,000 scale by B-8 plotter dropping shoreline points and graphic delineation of the shoreline and foreshore details. A copy of the "Incomplete" manuscript, along with ozalids and specially prepared photographs, was furnished for the preparation of the boat sheets, location of photo-hydro signals and field edit use.

Field edit was done in May, 1970. After field edit was applied, the manuscript was scribed, stuck-up and reproduced on cronaflex. Final review was at AMC during May, 1970. One cronaflex and negative of the final reviewed manuscript are being forwarded for record and registry.

FIELD INSPECTION REPORT

PH-6301

T-13327

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 placement of triangulation used in the final strip adjustments.

Positions for all bridge points are shown for each strip on the IBM readout on the Alaska Zone 1 state plane coordinate system.

23. Adequacy of Control

All horizontal control was premarked. Together with tie points, it was adequate to control the various strips.

Horizontal point COVE, 1952 could not be positively identified and was not used. Horizontal point HOOF 2, 1925 was held on Strip 3 but because of tree overhang could not be used on Strip 1.

9
-2-

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.

HOONAH SOUND & PERIL STRAIT
ALASKA

Shoreline Mapping

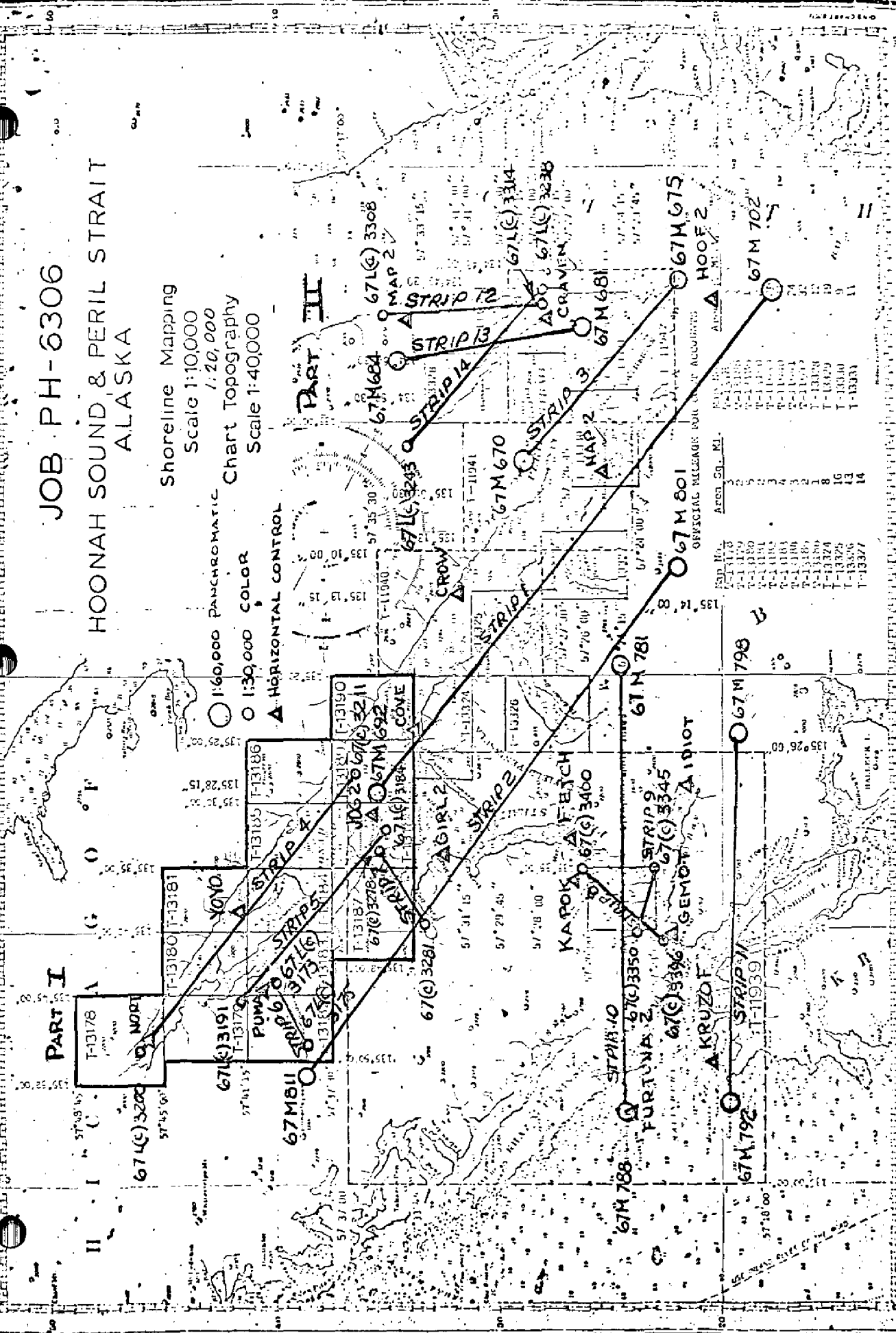
Scale 1:10,000

Chart Topography
1:20,000

Scale 1:40,000

Δ HORIZONTAL CONTROL

Part II



Map No.	Area Sq. Mi.	Area
T-1413	3	1-1413
T-1414	3	1-1414
T-1415	3	1-1415
T-1416	3	1-1416
T-1417	3	1-1417
T-1418	3	1-1418
T-1419	3	1-1419
T-1420	3	1-1420
T-1421	3	1-1421
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T-1810	3	1-1810
T-1811	3	

COMPILATION REPORT

PH-6301

T-13327

31. DELINEATION

The Wild B-8 stereoplotter and graphic methods were used. The pass points were selected by use of the B-8 instrument and the detail was compiled graphically.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was determined through office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

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

36. OFFSHORE DETAILS

Office interpretation.

37. LANDMARKS AND AIDS

No copies of form 567 for landmark or aid were forwarded to Rockville Office.

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38. CONTROL FOR FUTURE SURVEYS

No statement.

39. JUNCTIONS

Junctions have been made with T-11940 to the north and T-11941 to the east, 1:20,000 scale. There is no contemporary survey to the south or west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

42-45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with USGS Quadrangle SITKA (B-4), ALASKA, scale 1:63,360, dated 1951, minor revisions 1964.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with C&GS, Chart 8283, scale 1:40,000, 4th Edition dated Dec. 13, 1965 corrected Nov. 9, 1968.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

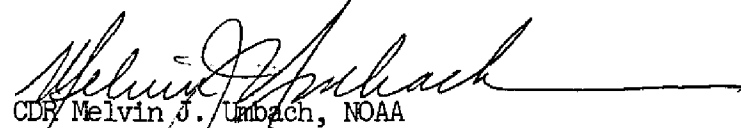
None

Submitted:


B. L. Barge

B. L. Barge
Cartographic Technician
4/14/70

Approved for forwarding:


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

Approved:


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

16

GEOGRAPHIC NAMES


FINAL NAME SHEET

PH-6303 (Alaska)

T-13327

- Baranof Island
- Paradise Flats
- Peril Strait
- Point Kennedy
- Saook Bay
- Saook Point

Approved by:



A. Joseph Wraight
Chief Geographer

Prepared by:

3-22-73

Frank W. Pickett
Cartographic Technician

T-13327

49. NOTES FOR THE HYDROGRAPHER

None.

FORM C&GS-1002
(9-66)U.S. DEPARTMENT OF COMMERCE
ESSA
COAST AND GEODETIC SURVEYPHOTOGRAMMETRIC OFFICE REVIEW
T-13327

1. PROJECTION AND GRIDS Coradomat	2. TITLE RJP	3. MANUSCRIPT NUMBERS RJP	4. MANUSCRIPT SIZE RJP
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY XX	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) XX		7. PHOTO HYDRO STATIONS XX
8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT RJP	11. DETAIL POINTS RJP
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE RJP	13. LOW-WATER LINE RJP	14. ROCKS, SHOALS, ETC. RJP	15. BRIDGES XX
16. AIDS TO NAVIGATION XX	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES RJP	19. OTHER ALONGSHORE CULTURAL FEATURES XX
PHYSICAL FEATURES			
20. WATER FEATURES RJP		21. NATURAL GROUND COVER XX	22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES XX
CULTURAL FEATURES			
27. ROADS RJP	28. BUILDINGS XX	29. RAILROADS XX	30. OTHER CULTURAL FEATURES RJP
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES RJP		34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT RJP
36. DISCREPANCY OVERLAY RJP	37. DESCRIPTIVE REPORT RJP	38. FIELD INSPECTION PHOTOGRAPHS XX	39. FORMS XX
40. REVIEWER R.J. Pate April 14, 1970		SUPERVISOR, REVIEW SECTION OR UNIT <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 R.J. Pate Aug. 17, 1970 Reviewer: R.E. Smith Aug. 19, 1970		SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
43. REMARKS Field Edit Applied From: Field Edit Ozalid and Field Photograph 67-L-3265.			

FIELD EDIT REPORT

MAP T-13327

Peril Strait

Saook Bay

Field edit of map T-13327 was accomplished during May, 1970. Inspection was done from a skiff in conjunction with photo-hydro signal identification and from a launch during hydrographic survey.

METHOD

The shoreline features and mean high water line were verified by visual comparison of the shore area to the field ratio photographs and field edit ozalid of the map manuscript. Notes have been made in violet pencil on the field edit ozalid and cross referenced where necessary to field ratio photograph 67L3265 in violet ink. Isolated rocks were located by sextant fix and compared with photogrammetric positions. Unless otherwise indicated all shoreline features have been verified as interpreted.

All times are based on meridian 105°W.

ADEQUACY OF COMPILATION

Compilation of the map is fair. Hydrographic location of features compares well to photogrammetric location. Several rocks along the shoreline were found to be part of ledges, and several rocks or clusters of rocks should be delineated as ledge instead. Extensive differences were found in the ledges surrounding the islands near 57° 26.5'N and 135° 11.2'W. Corrections and additional identifiable features have been indicated on the field edit ozalid and photo.

Field inspection of the map is complete.

RECOMMENDATIONS

It is recommended that the map be revised in accordance with the notes and be accepted as an advance manuscript.

Respectfully submitted,

Martin R. Mulhern

Martin R. Mulhern
ENSIGN, USESSA

REVIEW REPORT T-13327

SHORELINE

May, 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 the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with U.S.G.S. Quadrangle Sitka (B-4) Alaska dated 1951 at 1:63,360 scale. There is good general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with Boat Sheet H-9127 at 1:10,000 scale, dated 1970. There are no discrepancies except for very minor ones at the MLLWL.

65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with Chart 8283 at 1:40,000 scale dated July 17, 1971. There is general agreement.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

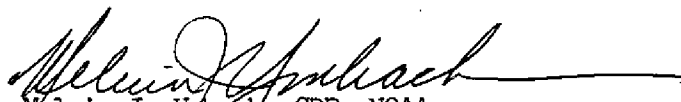
This survey meets project instructions and the National Standards of Map Accuracy.

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