

13180

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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.....

Job No. PH-6306..... Map No. T-13180.....

Classification No. Edition No.

Field Edited

LOCALITY

State Alaska.....

General Locality Hoonah Sound & Peril Strait.....

Locality Moser Island, North End.....

1967 TO 1969

Alfred C. Holmes, Director, AMC

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

T-13180

PROJECT NO. (II):

PH-6306

FIELD OFFICE (III):

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

METHOD OF COMPILATION (III):

Wild B-8 Stereo-Plotter

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:15,000

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 ~~SEA LEVEL~~ ^{HIGH WATER} AS FOLLOWS:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

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

REFERENCE STATION (III):

None

LAT.:

LONG.:

☐ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y =

X =

Alaska

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

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

DESCRIPTIVE REPORT - DATA RECORD

T-13180

FIELD INSPECTION BY (II): None		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation - June 8, 1967		
PROJECTION AND GRIDS RULED BY (IV): A Bethea		DATE Sept. 13, 1968
PROJECTION AND GRIDS CHECKED BY (IV): L. F. Van Scoy		DATE Sept. 23, 1968
CONTROL PLOTTED BY (III): Drilled Points: - A. Shands Triangulation: - None		DATE Oct. 17, 1968
CONTROL CHECKED BY (III): Drilled Points: - R. White Triangulation: - None		DATE Oct. 17, 1968
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): I. I. Saperstein		DATE Oct. 1968
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY By: R.R. White	DATE Nov. 1968
	Reviewed By: L.O. Neterer and A.L. Shands	Nov. 1968
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): R.R. White		DATE Nov. 1968
SCRIBING BY (III): Charles Parker		DATE May 26, 1972
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): C.H. Bishop		DATE Dec. 1968
REMARKS:		

FORM C&GS-181c (3-66)		U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY			
DESCRIPTIVE REPORT - DATA RECORD					
T-13180					
CAMERA (KIND OR SOURCE) (III): Wild RC-8 Universal "L"					
PHOTOGRAPHS (III)					
NUMBER	DATE	TIME	SCALE	STAGE OF TIDE	
67-L-(c)-3203 & 3204	June 8, 1967	09:42	1:30,000	0.2 above MLLW	
Predicted TIDE (III)					
			RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Jumeau, Alaska				13.8	16.4
SUBORDINATE STATION: Nismeni Cove, Alaska				12.5	15.0
SUBORDINATE STATION:					
WASHINGTON OFFICE REVIEW BY (IV): Bernard Kurs, AMC			DATE: March 1973		
PROOF EDIT BY (IV):			DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): None		RECOVERED: None	IDENTIFIED: None		
NUMBER OF BM(S) SEARCHED FOR (II): None		RECOVERED: None	IDENTIFIED: None		
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):		None			
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):		None			
REMARKS:					

T-13180

COMPILATION RECORD	COMPLETION DATE	REMARKS
Alongshore Area For Hydro	Nov. 1968	Superseded
Field Edit Applied Compilation Complete	July 1970	Superseded
Final Review	March 1972	

JOB PH-6306

HOONAH SOUND & PERIL STRAIT ALASKA

Shoreline Mapping

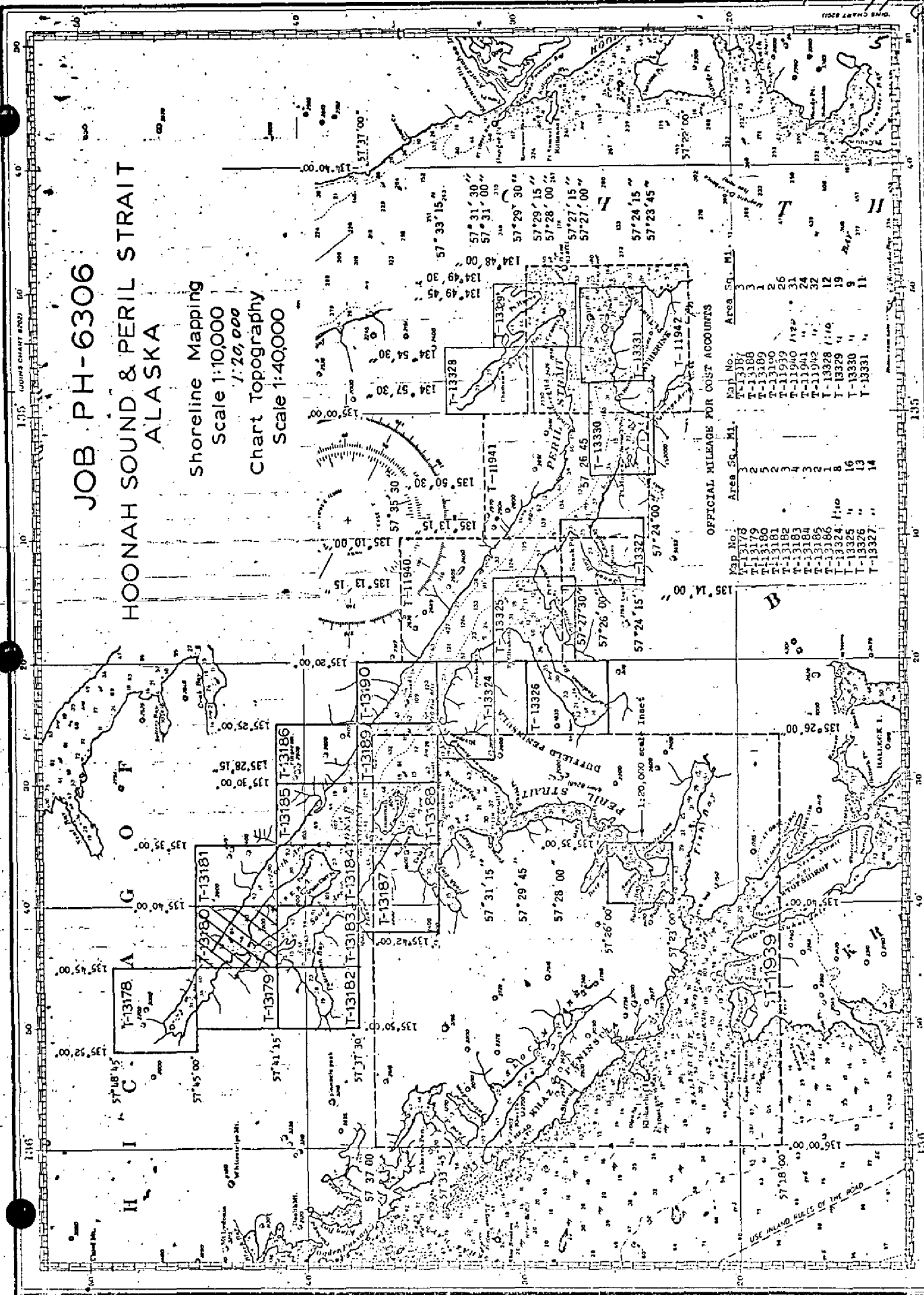
Scale 1:10,000

Chart Topography

Scale 1:40,000

OFFICIAL MILEAGE FOR COAST ACCOUNTS

Map No.	Area Sq. Mi.
T-13178	3
T-13179	1
T-13180	2
T-13181	26
T-13182	31
T-13183	24
T-13184	32
T-13185	12
T-13186	19
T-13187	9
T-13188	11
T-13189	14
T-13190	16
T-13191	13
T-13192	14



SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT

T-13178 thru 13190

Shoreline surveys T-13178 thru 13190 are part of project PH-6306. The project is located in southeastern Alaska in the Hoonah Sound area adjacent to Peril Straits.

There was no field work preceding the incomplete manuscripts.

Compilation was at 1:10,000 scale mostly by B-8 plotter the remainder by graphic methods. A copy of each manuscript classified "Incomplete" along with ozalids and specially prepared photographs were furnished for the preparation of the boat sheets, location of photo hydro signals and field edit use.

Surveys T-13187 thru T-13189 lacked field edit below 57° 35' and those portions of the manuscripts were declared Class III. Field edit was in 1969. After field edit was applied the manuscripts were scribed, stuck-up and reproduced on cronaflex. Final review was at AMC during March and April, 1973. One cronaflex and negative of the final reviewed manuscripts are being forwarded for record and registry.

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FIELD INSPECTION

T-13180

There was no field inspection prior to compilation.

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

October 1968

21. Area Covered

This report covers Hoonah Sound, Alaska, the area which is covered by 1:10,000 scale T-sheets only. There are thirteen (13) 1:10,000 scale T-sheets, T-13178 thru T-13190. Sheets T-11939 thru T-11942 will be bridged at a later date.

22. Method

Six (6) strips were bridged using analytical aerotriangulation methods. Strips 1 and 2 were 1:60,000 scale panchromatic and strips 4 thru 7 were 1:30,000 scale color. Numerous tie points were located to control the various strips due to lack of horizontal control.

The attached sketch of the strips bridged shows the placement of triangulation used in the final strip adjustments. Closures to horizontal control are shown for each strip on the IBM read-outs, along with all bridge points on Alaska Zone 1 plane coordinates.

23. Adequacy of Control

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

It will be noted that this bridge was not run in accordance with instructions for this job. It was intended to bridge the 1:60,000 scale RC-9 "M" photography only and drop compilation points on the color photographs. However, upon examination of the "M" photography it was discovered that much of the premarked control could not be seen because of tree overhang. Some of the stations that were white-washed blended with the rock background and were not discernible.

It was therefore decided to bridge the 1:10,000 scale sheets using the color photography where the premarked stations could be seen.

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" and RC-8 "L" color photography were good. Coverage was adequate to compile all sheets either by stereoscopic plotting instrument or graphically.

Cronapaque and matte ratio prints have been ordered from the 1:30,000 scale color photographs on black and white base.

Respectfully submitted,


I. I. Saperstein

Approved and forwarded,



Chief, Aerotriangulation Section

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NOTES TO COMPILER

Photos 67-L(C)-3181, 3182, 3183 on Strip 5 could not be bridged because of water areas. However, points were dropped from Strip 1 common to points on the above photos so that several offshore islands can be compiled. Models 3181-3182-3183 can be set on the B-8 using positions for these points from Strip 1, (see photos 67-M-692, 693).

Photos 67-L(C)-3212 thru 3215, the southern extension of Strip 4 could not be bridged because of water areas. Sufficient common points between the above photos and Strip 1 were located and transferred to the ratio prints so that sheets T-13189 and T-13190 could be compiled graphically. Positions for these common points can be found on the IBM readout for Strip 1, (see photos 67-M-692 thru 694).

COMPILATION REPORT

PH-6306

T-13180

31. DELINEATION

All details on the manuscript were compiled from the color photography taken at 0.2 ft above mean lower low water using the Wild B-8 Stereoplotter. There was no field inspection.

32. CONTROL

See Photogrammetric Plot Report, Part 1, Dated October 1968.

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

See Item 31. The mean high water line, the mean lower low water line, and all other details were compiled from office interpretation of the photographs.

36. OFFSHORE DETAILS

No offshore details were compiled.

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

No statement

39. JUNCTIONS

Junctions are in agreement with T-13181 scale 1:10,000 to the east, T-13183, scale 1:10,000 to the south, and T-13179 scale 1:10,000 to the west. There is no contemporary survey to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. FIELD EDIT

The field edit for this sheet was well done and all items in question were answered very satisfactorily and cross referenced to the color ratio photographs.

42-45. Not applicable.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with USGS Quadrangle SITKA (C-6) ALASKA scale 1:63,360 dated 1951.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with USC&GS Chart 8252, CORONATION ISLAND to LISIANSKI STRAIT, scale 1:217,828 dated Nov. 1965.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

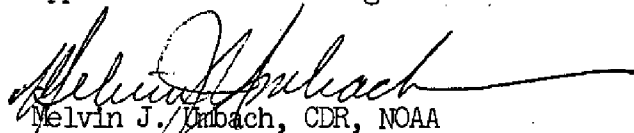
Submitted:

R. R. White


R. R. White
Cartographic Aid
11/6/68

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Approved for forwarding:


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

Approved:


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

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6306 (Hoonah Sound and Peril
Strait, Alaska)

T-13180

- Chichagof Island
- Douglass Bay
- Moser Island
- North Arm Hoonah Sound
- South Arm Hoonah Sound

Approved by:



A/ Joseph Wraight
Chief Geographer

Prepared by:

3-22-73

Frank W. Pickett
Cartographic Technician

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T-13180

49. NOTES FOR THE HYDROGRAPHER:

NONE

FORM C&GS-1002
(9-66)U.S. DEPARTMENT OF COMMERCE
ESSA
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

T. 13180

1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY None	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 X	10. PHOTOGRAMMETRIC PLOT REPORT CHB	11. DETAIL POINTS CHB
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 Noneq	17. LANDMARKS None	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES X
PHYSICAL FEATURES			
20. WATER FEATURES CHB	21. NATURAL GROUND COVER X		22. PLANETABLE CONTOURS None
23. STEREOSCOPIC INSTRUMENT CONTOURS None	24. CONTOURS IN GENERAL None	25. SPOT ELEVATIONS None	26. OTHER PHYSICAL FEATURES X
CULTURAL FEATURES			
27. ROADS X	28. BUILDINGS X	29. RAILROADS X	30. OTHER CULTURAL FEATURES X
BOUNDARIES			
31. BOUNDARY LINES None		32. PUBLIC LAND LINES None	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CHB	34. JUNCTIONS CHB		35. LEGIBILITY OF THE MANUSCRIPT CHB
36. DISCREPANCY OVERLAY CHB	37. DESCRIPTIVE REPORT CHB	38. FIELD INSPECTION PHOTOGRAPHS None	39. FORMS CHB
40. REVIEWER C.H. Bishop		SUPERVISOR, REVIEW SECTION OR UNIT A.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 A.L. Shands 7/2/70 Reviewer: R.J. Pate 7/14/70		SUPERVISOR <i>Albert C. Rauck, Jr.</i>	
43. REMARKS Field Edit Applied From: Field Photos, 67-L-3191 and 67-L-3203 Field Edit Ozalid T-13180			

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APPROVAL SHEET

for
FIELD EDIT
Hoonah Sound
Alaska
OPR-488

Field edit of the following manuscripts was accomplished under my supervision and are approved for submission.

T-13178 through T-13189

James M. Wintermyer
for John B. Watkins, Jr.
CAPT, USESSA

FIELD EDIT REPORT

Map T-13180

Peril Strait

Moser Island, North End

Field edit of map T-13180 was accomplished during September 1969. Inspection was done from a launch in conjunction with 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. Isolated rocks and reefs were located by sextant fixes, plotted on boatsheets FA-10-6-69 and FA-10-7-69, and compared with photogrammetric positions. Notes on heights of rocks, etc. have been made in violet ink or pencil on the ozalid and cross-referenced to notes in violet ink on the photographs.

All times are based on meridian 105W. All notes are on photograph 67-L-3191.

ADEQUACY OF COMPILATION

Compilation of the map is fair. The MHWL compares well with that found in the field with the exception of the area at the head of the South Arm. Field inspection showed that the MHWL was about 300 meters east of its compiled position. Its approximate location is delineated on matte ratio print 67-L-3191; the area of slightly higher density to the west of the line is grassland above MHW, to the east, a lighter area is stone and gravel below MHW.

Field inspection of the map is complete.

RECOMMENDATIONS

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

Respectfully Submitted,

Allan F. Divis

Allan F. Divis

ENS, USESSA

REVIEW REPORT T-13180

SHORELINE

March 16, 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

A visual comparison was made with U.S.G.S. Quadrangle Sitka (C-6), Alaska, 1:63,360 scale and dated 1951. This is general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with Verified Surveys H-9057, H-9058 dated Sept. 1969 and at 1:10,000 scale. They are in agreement except for the mean lower low water line at the heads of the bays. The photogrammetric mean lower low water line was determined from photos taken at .2ft above MLLW (predicted) and is retained on the survey for whatever use it may be to the chart compiler.

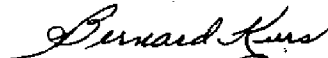
65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with chart 8252 dated 1 May 1971, at 1:217,828 scale. There is general agreement.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

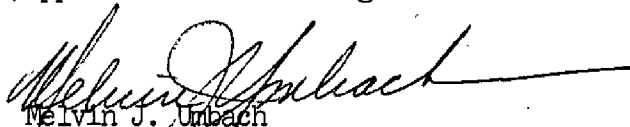
This survey meets with project instructions and the National Standards of Map Accuracy.

Reviewed by:




Bernard Kurs
Cartographer

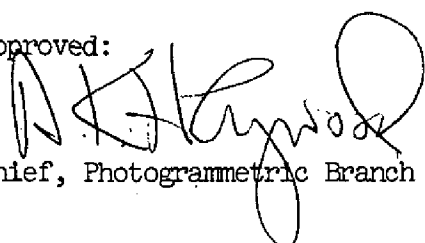
Approved for forwarding:

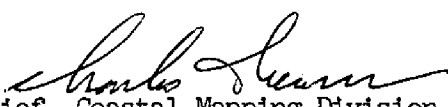

Melvin J. Unbach
CDR, NOAA
Chief, Coastal Mapping Division, AMC

Approved:


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

Approved:


Chief, Photogrammetric Branch


Chief, Coastal Mapping Division