

13329

13329

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-13329....*Classification No.* *Edition No.*
Field Edited

LOCALITY

State Alaska.....*General Locality* ..Hoonah Sound & Peril Strait.....*Locality* ..Point Craven.....

1967 TO 19

Alfred C. Holmes, Director, AMC

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

T-13329

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		
MANUSCRIPT SCALE (III): 1:10,000		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:15,000 Pantographed To 1:10,000
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): Craven, 1895		
LAT.: 57°27'49.245" (1523.4M)	LONG.: 134°51'52.556" (876.2M)	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): y = 2,058,671.13 Ft. x = 2,449,798.64 Ft.		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-13329

FIELD INSPECTION BY (III): 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
PROJECTION AND GRIDS CHECKED BY (IV): Coradomat		DATE
CONTROL PLOTTED BY (III): Aerotriangulation - Coradomat		DATE
CONTROL CHECKED BY (III): Aerotriangulation - Coradomat		DATE
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): I. I. Saperstein		DATE Nov. 1969
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY By: R. White Reviewed By: C. Bishop	DATE Mar. 20, 1970 Mar. 20, 1970
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): R.R. White		DATE March 20, 1970
SCRIBING BY (III): W. Gilbert		DATE June 12, 1972
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation: C. Bishop Field Edit: ACR, RES, VES Scribing and Stick Up:		DATE Mar. 25, 1970 April 27, 1970
REMARKS: Field Edit By: A.F. Divis		DATE: April 1970

DESCRIPTIVE REPORT - DATA RECORD
T-13329

1 MERA (KIND OR SOURCE) (III):
Wild RC-8 "L" & "M"

PHOTOGRAPHS (III)				
NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67-L-(c)-3238-3239	June 8, 1967	10:02	1:30,000	1 ft. above MLLW
67-L-(c)-3407-3409	June 17, 67	14:36	1:30,000	2.9 ft. above MLLW
67-L-(c)-3312-3313*	June 8, 1967	11:02	1:30,000	4.4 ft. above MLLW
* Plates Only.				

Predicted TIDE (III) Diurnal

	RATIO OF RANGES	MEAN RANGE	SEMI RANGE
REFERENCE STATION: Juneau, Alaska		13.8'	
SUBORDINATE STATION Fairway Island, Alaska		11.6'	
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):	1	RECOVERED:	1	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:

T-13329

COMPILATION RECORD

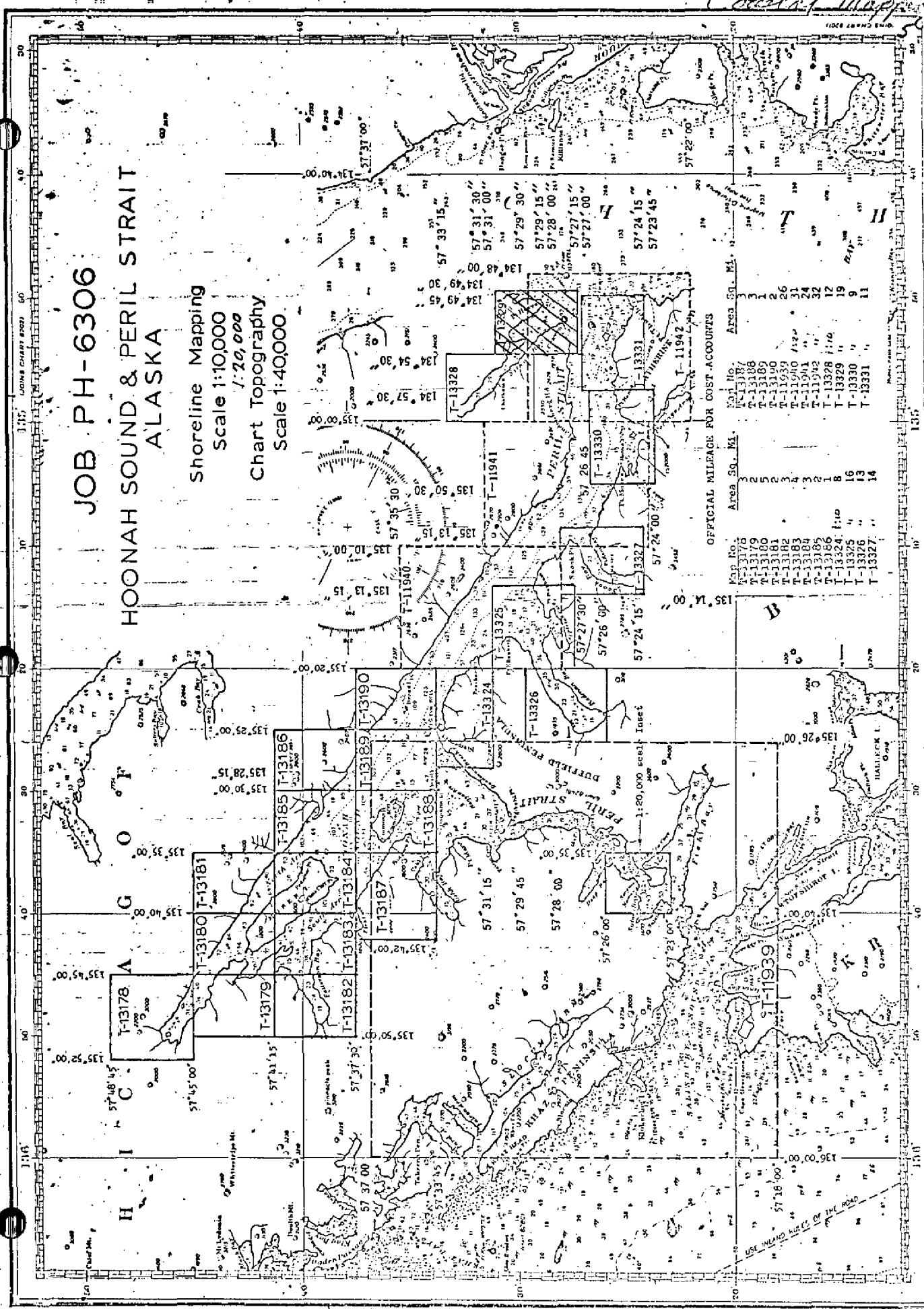
COMPLETION DATE

REMARKS

Compilation Complete Pending Field Edit	Mar. 20, 1970	Superseded
Field Edit Applied Compilation Complete	Aug. 26, 1970	Superseded
Final Review	May 1973	

JOB PH-6306 HOONAH SOUND & PERIL STRAIT ALASKA

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



OFFICIAL MILEAGE FOR COST ACCOUNTS

Map No.	Area Sq. Mi.	Map No.	Area Sq. Mi.
T-13176	1.5	T-13328	1.5
T-13177	1.5	T-13329	1.5
T-13178	1.5	T-13330	1.5
T-13179	1.5	T-13331	1.5
T-13180	1.5		
T-13181	1.5		
T-13182	1.5		
T-13183	1.5		
T-13184	1.5		
T-13185	1.5		
T-13186	1.5		
T-13187	1.5		
T-13188	1.5		
T-13189	1.5		
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T-13208	1.5		
T-13209	1.5		
T-13210	1.5		
T-13211	1.5		
T-13212	1.5		
T-13213	1.5		
T-13214	1.5		
T-13215	1.5		
T-13216	1.5		
T-13217	1.5		
T-13218	1.5		
T-13219	1.5		
T-13220	1.5		
T-13221	1.5		
T-13222	1.5		
T-13223	1.5		
T-13224	1.5		
T-13225	1.5		
T-13226	1.5		
T-13227	1.5		
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T-13300	1.5		
T-13301	1.5		
T-13302	1.5		
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T-13304	1.5		
T-13305	1.5		
T-13306	1.5		
T-13307	1.5		
T-13308	1.5		
T-13309	1.5		
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T-13319	1.5		
T-13320	1.5		
T-13321	1.5		
T-13322	1.5		
T-13323	1.5		
T-13324	1.5		
T-13325	1.5		
T-13326	1.5		
T-13327	1.5		
T-13328	1.5		
T-13329	1.5		
T-13330	1.5		
T-13331	1.5		

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT

T-13329

Shoreline survey T-13329 is part of project PH-6306. The project is located in southeastern Alaska in the Hoonah Sound-Peril Straits area. This survey covers the mouth of Sitkoh Bay and then proceeds northward along Chatham Strait to include Peninsulas Point.

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

Compilation was at 1:10,000 scale by B-8 plotter supplemented by graphic work at the northeast portion of the sheet. A copy of the "Incomplete" manuscript, along with ozalids and specially prepared photographs was furnished for the preparation of the boat sheet, location of photo-hydro signals and field edit use.

Field edit was accomplished during April, 1970. After field edit was applied, the manuscript was scribed, stuck-up and reproduced on cronaflex. Final review was at AMC during May, 1973. One cronaflex and negative are being forwarded for record and registry.

FIELD INSPECTION REPORT

T-13319

There was no field inspection prior to compilation.

8

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 HOOFF 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.



COMPILATION REPORT

T-13329

31. DELINEATION

Except for a small area in the North-East corner of the sheet that was compiled graphically, all features were compiled using the Wild B-8 stereoplotter. Compilation was made difficult in some areas due to glare on the water.

There was no field inspection.

32. CONTROL

See Photogrammetric Plot Report (Part II) dated November 1969.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

The streams were compiled using the Wild B-8 and office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line was compiled using the Wild B-8 and office interpretation of the photographs. Determination of the mean high waterline along the Eastern Shore of Peninsula Point was doubtful because of tree overhang. ✓

An approximate mean lower low water line was compiled from office interpretation of the photographs. Because of glare on the water, compilation was very difficult around the tip of Point Hayes. The field editor will be asked to check this area thoroughly. ✓

36. OFFSHORE DETAILS

See paragraph 35. Because of the glare, the compiler could not distinguish between ledge and kelp areas.

37. LANDMARKS AND AIDS

Form 567 for one non-floating aid was submitted to Rockville on September 16, 1970

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

A satisfactory junction was made with T-13328, scale 1:10,000 to the West-north of Latitude $57^{\circ}29'30''$.

A satisfactory junction was made with T-11942 scale 1:30,000 south of Latitude $57^{\circ}29'30''$. There is no contemporary survey to the north, and to the east-north of Latitude $57^{\circ}29'30''$.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41-45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with USGS Quadrangle SITKA (B-3), Alaska scale 1:63,360, dated 1951; and with SITKA (C-3), Alaska, scale 1:63,360 dated 1948.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Chart 8283 Peril Strait, Hoonah Sound to Chatham Strait, scale 1:40,000, 5th Edition, dated May 12, 1969.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None

ITEMS TO BE CARRIED FORWARD:

None

Submitted:

Richard R. White

RICHARD R. WHITE
Cartographic Technician
March 21, 1970

Approved for forwarding:

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

Approved:

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

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6303 (Alaska)

T-13329

- Chatham Strait
- Chichagof Strait
- Florence Bay
- Morris Reef
- Peninsular Point
- Peril Strait
- Point Craven
- Point Hayes
- Sitkoh Bay

Approved by:

AJW
 A. Joseph Wraight
 Chief Geographer

Prepared by:

3-22-73
 Frank W. Pickett
 Cartographic Technician

T-13329

49. NOTES FOR THE HYDROGRAPHER

NONE

PHOTOGRAMMETRIC OFFICE REVIEW

T-13329

1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	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) CHB		7. PHOTO HYDRO STATIONS CHB
8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES CHB	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 CHB
16. AIDS TO NAVIGATION CHB	17. LANDMARKS CHB	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES CHB
PHYSICAL FEATURES			
20. WATER FEATURES CHB	21. NATURAL GROUND COVER CHB		22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES CHB
CULTURAL FEATURES			
27. ROADS CHB	28. BUILDINGS CHB	29. RAILROADS CHB	30. OTHER CULTURAL FEATURES CHB
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
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 XX	39. FORMS CHB
40. REVIEWER C.H. Bishop 3/25/70		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.			
COMPILED R.J. Pate Aug. 26, 1970		SUPERVISOR <i>Albert C. Rauck Jr.</i>	
Reviewer: RES, ACR, VES April 27/70		Albert C. Rauck, Jr.	
43. REMARKS Field Edit Applied From: Field Edit Ozalid and Field Ratio Prints Nos. 67-L-(c)-3238, 67-L-(c)-3239, 67-L-(c)-3240, 67-L-(c)-3407, 67-L-(c)-3408.			

FIELD EDIT REPORT

MAP T-13329

Peril Strait

Point Craven

Field edit of map T-13329 was accomplished during April, 1970. Inspection was done from a skiff in conjunction with photo-hydro signal identification and from a launch during 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 MHWL, and other data pertaining to photo identifiable features have been made in violet ink 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. Verification of MHWL is indicated by dotted violet ink lines on matte ratio prints. Isolated rocks and reefs were located by sextant fix and compared with photogrammetric positions. All notes are in violet ink on the following photos: 67L3407, 67L3408, 67L3238, 67L3239, and 67L3240.

All times are based on meridian 120° W.

ADEQUACY OF COMPILATION

Compilation of the map is good. Position and extent of rocks and ledges are accurate; additional photo identifiable features have been indicated on the Field Edit Ozalid and cross referenced to matte ratio prints.

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,

Allan F. Divis

Allan F. Divis
LTJG, USESSA

RESPONSIBLE PERSONNEL

TYPE OF ACTION	NAME	TITLE
1. Object inspected from seaward		<input type="checkbox"/> FIELD INSPECTOR <input type="checkbox"/> FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
		FIELD EDITOR
		COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	Bernard Kurs	<input checked="" type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

NOTE: 'Photogrammetric Positions' are dependent entirely, or in part, upon control established by photogrammetric methods.

'Field Positions' are determined by field observations based entirely upon ground control. -

COLUMN TITLE

TYPE OF ENTRIES

COMPILATION

Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.

FIELD INSPECTION
AND
FIELD EDIT

1. New Position Determined—Enter the applicable data by symbols as indicated below:

F - Field

1. Triangulation
2. Traverse
3. Intersection
4. Resection
 - a. Theodolite
 - b. Planetable
 - c. Sextant

P - Photogrammetric

1. Field identified
2. Theodolite
3. Planetable
4. Sextant

EXAMPLES:

F. 3.c

P. 2

Immediately beneath the data described above, enter the following:

a. For 'Field Positions' enter the date of location.

b. For 'Photogrammetric Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

2. Triangulation Station Recovered - Enter 'Triang. Rec. mo/day/yr.'

3. Position Verified - Enter 'Verif. mo/day/yr.'

REVIEW REPORT T-13329

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 this area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with U.S.G.S. Quadrangles Sitka (B-3), Alaska dated 1951 and Sitka (C-3), Alaska, ~~dated~~ 1948 both at 1:63,360 scale. There is general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with Boat Sheets H-9123, H-9124 1:10,000 scale, dated 1970, also H-9121, 1:20,000 scale, dated 1970. The manuscript and boat sheets are in good agreement with one exception. The boat sheet position 4863 at approximate 57°29'12" 134°53'35" shows a rock bare 2.5' at 1353 on 4/25/70. This is not visible on the photo (too fuzzy).

65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with chart 8283 dated July 17, 1971 at 1:40,000 scale. There is only general agreement. The wreck shown on the chart just northwest of Pt. Craven is not visible on the photographs.


66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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


Reviewed by:

Bernard Kurs
Bernard Kurs
Cartographer

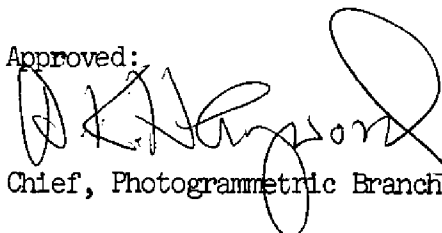
Approved for forwarding:


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