

13328

13328

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. Map No. T-13328

Classification No. Edition No.
Field Edited

LOCALITY

Alaska
State

General Locality Hoonah Sound & Peril Strait

Locality Sitkoh Bay

1967 TO 1970

Alfred C. Holmes, Director, AMC

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

T-13328

PROJECT NO. (I): 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 ^{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 or 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
WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.		

DESCRIPTIVE REPORT - DATA RECORD

T-13328

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.T. Saperstein		DATE Nov. 1969
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY By: R. White A.L. Shands L.O. Neterer Reviewed By: C.H. Bishop	DATE Mar. 16, 1970 3/13/70 3/14/70 3/16/70
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): C.H. Bishop		DATE Mar. 19, 1970
SCRIBING BY (III): J. Hinton		DATE June 1972
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation: B. Wilson Field Edit: R.J. Pate Scribing and Stick Up:		DATE Mar. 21, 1970 Aug. 4, 1970
REMARKS: Field Edit By: A.F. Divis		DATE: April 1970

DESCRIPTIVE REPORT - DATA RECORD

T-13328

CAMERA (KIND OR SOURCE) (III):

Wild RC-8 "L" & "M"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67L(c)-3240-3243	June 8, 1967	10:03	1:30,000	1 ft. above MLLW

Predicted TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	RANGE
REFERENCE STATION: Juneau, Alaska		13.8	16.4'
SUBORDINATE STATION: Fairway Island, Alaska		11.6	14.2'
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):

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-13328

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compilation Complete Pending Field Edit	3/19/70	Superseded
Field Edit Applied; Compilation Complete	Aug. 1970	Superseded
Final Review	May 1973	

HOONAH SOUND & PERIL STRAIT ALASKA

Shoreline Mapping

Scale 1:10,000

Chart Topography:

Scale 1:40,000

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Exp. No.	Area Sq. Mi.	Exp. No.	Area Sq.
T-13176	3	T-13377	11
T-13178	3	T-13378	11
T-13179	2	T-13379	11
T-13180	2	T-13380	11
T-13181	2	T-13381	11
T-13182	2	T-13382	11
T-13183	2	T-13383	11
T-13184	2	T-13384	11
T-13185	2	T-13385	11
T-13186	2	T-13386	11
T-13187	2	T-13387	11
T-13188	2	T-13388	11
T-13189	2	T-13389	11
T-13190	2	T-13390	11
T-13191	2	T-13391	11
T-13192	2	T-13392	11
T-13193	2	T-13393	11
T-13194	2	T-13394	11
T-13195	2	T-13395	11
T-13196	2	T-13396	11
T-13197	2	T-13397	11
T-13198	2	T-13398	11
T-13199	2	T-13399	11
T-13200	2	T-13400	11
T-13201	2	T-13401	11
T-13202	2	T-13402	11
T-13203	2	T-13403	11
T-13204	2	T-13404	11
T-13205	2	T-13405	11
T-13206	2	T-13406	11
T-13207	2	T-13407	11
T-13208	2	T-13408	11
T-13209	2	T-13409	11
T-13210	2	T-13410	11
T-13211	2	T-13411	11
T-13212	2	T-13412	11
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T-13214	2	T-13414	11
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T-13216	2	T-13416	11
T-13217	2	T-13417	11
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T-13219	2	T-13419	11
T-13220	2	T-13420	11
T-13221	2	T-13421	11
T-13222	2	T-13422	11
T-13223	2	T-13423	11
T-13224	2	T-13424	11
T-13225	2	T-13425	11
T-13226	2	T-13426	11
T-13227	2	T-13427	11
T-13228	2	T-13428	11
T-13229	2	T-13429	11
T-13230	2	T-13430	11
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T-13240	2	T-13440	11
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T-13245	2	T-13445	11
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T-13256	2	T-13456	11
T-13257	2	T-13457	11
T-13258	2	T-13458	11
T-13259	2	T-13459	11
T-13260	2	T-13460	11
T-13261	2	T-13461	11
T-13262	2	T-13462	11
T-13263	2	T-13463	11
T-13264	2	T-13464	11

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT

T-13328

Shoreline survey T-13328 is part of Project PH-6306. The project is located in southeastern Alaska in the Hoonah Sound-Peril Straits area. This survey covers the longest part of Sitkoh Bay, from its head and extending southeastward.

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

Compilation was at 1:10,000 scale by B-8 plotter and further refined by ratio color photography. 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 done 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 of the final reviewed manuscript are being forwarded for record and registry.

FIELD INSPECTION

T-13328

There was no field inspection prior to compilation.

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 HOOE 2, 1925 was held on Strip 3 but because of tree overhang could not be used on Strip 1.

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-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.



DESCRIPTIVE REPORT CONTROL RECORD



MAP T-13328

PROJECT NO.

PH-6306

SCALE OF MAP.

12,10,000

SCALE FACTOR	None
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None

[illegible]

COMPILATION REPORT
MAP MANUSCRIPT T-13328

PH-6306

31. DELINEATION

This manuscript was compiled using the Wild B-8 Stereoplotter with color photography. 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 color photography taken at 1.0 ft. above mean lower low water. Determination of the waterline from these photographs was doubtful along portions of the shoreline that were obscured by tree overhang and shadows. The mean high water line at the upper end of the bay was also difficult to compile. The field editor was asked to verify the mean high water line in these areas.

An approximate mean lower low water line was delineated using the Wild B-8 and color photography taken at 1.0 ft. above mean lower low water.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

No copies of form 567 for landmarks or aids were forwarded to Rockville Office.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

A satisfactory junction was made with T-13329 to the east. There is no detail at the junction lines with T-11941 to the west and T-11942 to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. FIELD EDIT46. COMPARISON WITH EXISTING MAPS

A satisfactory comparison was made with USGS Quadrangles SITKA (C-3), ALASKA, scale 1:63,360, dated 1948 and SITKA (B-3), ALASKA, scale 1:63,360 dated 1951, with minor revisions 1962.

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
3/19/70

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-13328

• Chatham

• Chichagof Island

• Sitkoh Bay

Approved by:


A. Joseph Wraight
Chief Geographer

Prepared by:

3-22-73
Frank W. Pickett
Cartographic Technician

T-13328

49. NOTES FOR THE HYDROGRAPHER

None

PHOTOGRAMMETRIC OFFICE REVIEW

T. 13328

1. PROJECTION AND GRIDS Coradomat BW	2. TITLE BW	3. MANUSCRIPT NUMBERS BW	4. MANUSCRIPT SIZE BW
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)		7. PHOTO HYDRO STATIONS
8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS BW
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE BW	13. LOW-WATER LINE BW	14. ROCKS, SHOALS, ETC. BW	15. BRIDGES
16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES BW
PHYSICAL FEATURES			
20. WATER FEATURES BW	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
CULTURAL FEATURES			
27. ROADS	28. BUILDINGS BW	29. RAILROADS	30. OTHER CULTURAL FEATURES BW
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES BW	34. JUNCTIONS BW		35. LEGIBILITY OF THE MANUSCRIPT BW
36. DISCREPANCY OVERLAY BW	37. DESCRIPTIVE REPORT BW	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
40. REVIEWER Bernice Wilson 3/21/70 Bernice Wilson		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 R. E. Smith 8/3/70 Reviewer R. J. Pate 8/4/70		SUPERVISOR Albert C. Rauck, Jr. <i>Albert C. Rauck, Jr.</i>	
43. REMARKS FIELD EDIT APPLIED FROM: F. E. Ozalid; Field Matte Ratio Photographs Nos. 67-L-3240 thru 3243 Field Edit was good.			

FIELD EDIT REPORT

MAP T-13328

Peril Strait

Sitkoh Bay

Field edit of map T-13328 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 the 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. Corrections made to the interpreted MHWL are indicated on photo 67L3243. All notes are in violet ink on photos 67L3240, 67L3241, and 67L3243.

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 accompanying notes and be accepted as an advance manuscript. It is also recommended that a 1:1,000 scale manuscript be prepared to accompany a tagline survey of that scale run on the Chatham Cannery wharf and fuel pier.

*The recommended 1:1,000 scale
survey is impracticable and
has not be scheduled. 7/17/70*

dfj

Respectfully submitted,

Allan F. Divis

Allan F. Divis
LTJG, USESSA

REVIEW REPORT T-13328

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 sheet H-9123, 1:10,000 scale dated 1970. Differences were very minor except for the MLLWL at the head of Sitkoh Bay and in a few places alongshore. The photogrammetric MLLWL was delineated from photography taken at 1 foot above MLLW and is being retained on the survey for whatever use the chart compiler may see fit. ✓

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

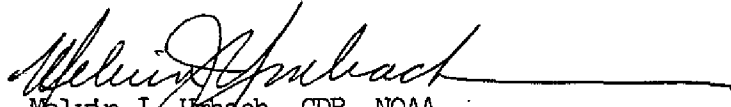
This survey meets project instructions and the National Standards of Map Accuracy.

Reviewed by:




Bernard Kurs
Cartographer

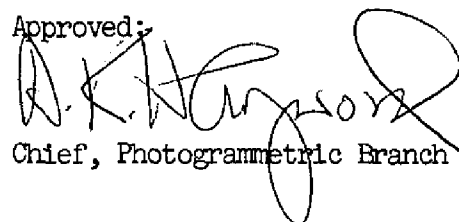
Approved for forwarding:


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

Approved:


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

Approved:


R. K. Harrison
Chief, Photogrammetric Branch


Charles L. Hannon
Chief, Coastal Mapping Division