

13182

13182

NOAA FORM 76-35

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

## DESCRIPTIVE REPORT

Type of Survey ShorelineJob No. PH-6306 Map No. T-13182Classification No. Edition No. ....  
Field Edited

## LOCALITY

State AlaskaGeneral Locality Hoonah Sound & Peril StraitLocality Patterson Bay1967 TO 1969

Alfred C. Holmes, Director, AMC

## REGISTRY IN ARCHIVES

DATE .....

## DESCRIPTIVE REPORT - DATA RECORD

T~~el~~3182

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~~ <sup>HIGH WATER</sup> 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.:

☐ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y =

X =

Alaska

1

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-13182

FIELD INSPECTION BY (III):  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. 16, 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):	PLANIMETER By: J. R. Minton Reviewed By: L. O. Neterer, Jr.	DATE Nov. 1968 Nov. 1968
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):  J. R. Minton		DATE Dec. 1968
SCRIBING BY (III):  Charles Parker		DATE May 31, 1972
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):  C. H. Bishop		DATE Dec. 1968
REMARKS:		

## DESCRIPTIVE REPORT - DATA RECORD

T-13182

MERA (KIND OR SOURCE) (III):

Wild RC-8 Universal "L"

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67-L-3174 and 3175	June 8, 1967	08:34	1:30,000	1.8 ft. below MLLW

## Predicted TIDE (III)

## Diurnal

	RATIO OF RANGES	MEAN RANGE	<del>MEAN</del> 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:  
April 1973

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): None

RECOVERED:  
NoneIDENTIFIED:  
None

NUMBER OF BM(S) SEARCHED FOR (II): None

RECOVERED:  
NoneIDENTIFIED  
None

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): None

REMARKS:

T-13182

COMPILATION RECORD

COMPLETION DATE

REMARKS

Alongshore Area For Hydro	Dec. 1968	Superseded
Field Edit Applied Compilation Complete	July 1970	Superseded
Final Review	April 1973	

HOONAH SOUND & PERIL STRAIT  
ALASKA

## Shoreline Mapping

Scale 1:10,000

1:20,000

Scale 1:40,000

OFFICIAL MILEAGE FOR COST ACCOUNTS

Area Sq. Ml.	Plan No.	Area
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
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100	100	100

18137-1

1000

21 22 T-13100

3	3	T-11939	1939
3	3	T-11940	1939

T-11941 " " .

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T-11942  
T-12000

04:10  
8  
T-13378 110  
T-13379 "

15 16 T-13330 "

T-13331 "

**2**

[illegible]135[illegible]

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.

## FIELD INSPECTION

T-13182

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*  
I. I. Saperstein

Approved and forwarded,

*[Signature]*  
Chief, Aerotriangulation Section

10

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).





12

COMPILATION REPORT

T-13182

31. DELINEATION

The Manuscript was delineated from the Wild B-8.

32. CONTROL

Control was adequate for delineation. See Photogrammetric Plot Report dated October, 1968.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

The photography was adequate for the delineation of drainage.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line and MLLW line was delineated from Office Interpretation of the photographs.

36. OFFSHORE DETAILS

No statement

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions are in agreement with Sheets T-13179 and T-13182 to the North and East respectively. There is no contemporary survey to the West or South.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41-45 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 was made with USGS Quadrangle SITKA (C-6), 1:63,360 scale, published 1951 and revised 1962.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with C&GS Chart 8252, CORONATION ISLAND TO LISIANSKI STRAIT, 1:217,828 scale, 3rd Edition dated Nov. 8, 1965.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

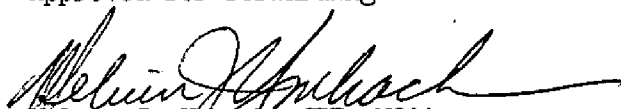
None

Submitted:


*James R. Minton* ac R.  
J. R. Minton  
Cartographic Aid  
12/11/68

14

Approved for forwarding:

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

Approved:

  
Alfred C. Holmes  
RADM, NOAA  
Director, AMC



GEOGRAPHIC NAMES

FINAL NAME SHEET

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

T-13182

' Chichagof Island

' Patterson Bay

Approved by:



A. Joseph Wraight  
Chief Geographer

Prepared by:

3-22-73

Frank W. Pickett  
Cartographic Technician

T-13182

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-13182

1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE
<b>CONTROL STATIONS</b>			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY None	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) None		7. PHOTO HYDRO STATIONS None
8. BENCH MARKS X	9. PLOTTING OF SEXTANT FIXES X	10. PHOTOGRAMMETRIC PLOT REPORT CHB	11. DETAIL POINTS CHB
<b>ALONGSHORE AREAS (Nautical Chart Data)</b>			
12. SHORELINE CHB	13. LOW-WATER LINE CHB	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES X
16. AIDS TO NAVIGATION None	17. LANDMARKS None	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES CHB
<b>PHYSICAL FEATURES</b>			
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
<b>CULTURAL FEATURES</b>			
27. ROADS X	28. BUILDINGS X	29. RAILROADS X	30. OTHER CULTURAL FEATURES X
<b>BOUNDARIES</b>			
31. BOUNDARY LINES None		32. PUBLIC LAND LINES None	
<b>MISCELLANEOUS</b>			
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		DATE 12/11/68	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 Reviewer: R.J. Pate		7/6/70 July 15, 1970	SUPERVISOR <i>Albert C. Rauck, Jr.</i>
43. REMARKS Field Edit Applied From: - Field Edit Ozalid T-13182 Field Photo 67-L-3174, 67-L-3175			

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-13182

Peril Strait

Patterson Bay

Field edit of map T-13182 was accomplished during September 1969. Inspection was done from a small boat and on foot in conjunction with identification of photo-hydro signals.

### 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 the field photographs and ozalid. Ledge limits were compared with those on the ozalid and extended ? where necessary to the field photos.

Notes have been made in violet ink and pencil on the ozalid and in ink on the photos, and crossreferenced to the ozalid by photograph number. Notes are on photographs 67-L-3174 and 67-L-6175.

### ADEQUACY OF COMPILATION

Compilation of this map is fair. The MHWL compares well with that found in the field with the exception of the area at the head of Patterson Bay. Field inspection showed that the MHWL was approximately 300 meters east of its compiled position. Its approximate location is delineated on photo 67-L-3175; the area of slightly higher density to the west of the line is grassland above MHW, to the east, a lighter area is sand and pebbles below MHW. A ledge should be added in the position as noted on the ozalid and on photo 67-L-3174.

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-13182

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 USGS Quadrangle SITKA (C-6), Alaska at 1:63,360 scale and dated 1951. There is general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with Verified Survey H-9058 at 1:10,000 scale dated Sept., 1969. They are in agreement except for the mean lower low water line at the head of Patterson Bay. The photogrammetric mean lower low water line was determined from photos taken at .2 ft. 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*

Bernard Kurs  
Cartographer

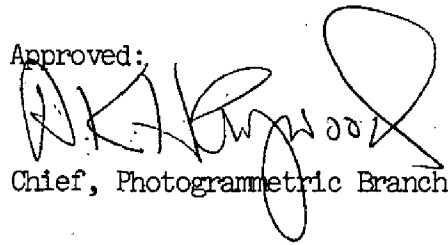
Approved for forwarding:

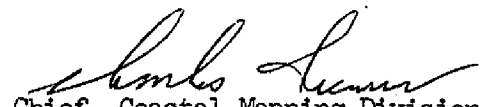
  
Melvin J. Umbach, CDR, NOAA  
Chief, Coastal Mapping Division, AMC

Approved:

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

Approved:

  
Chief, Photogrammetric Branch

  
Chief, Coastal Mapping Division

*Dr*