

13186

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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-13186.....

Classification No. ..... Edition No. .....  
Field Edited

## LOCALITY

State Alaska.....

General Locality Hoonah Sound &amp; Peril Strait

Locality Northeast Of Emmons Island.....

1967 TO 1969

## DESCRIPTIVE REPORT - DATA RECORD

T-13186

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

METHOD OF COMPILATION (III):

Graphic

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

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):

HIGH WATER

MEAN ~~LOW~~ 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.:

 ADJUSTED UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y =

X =

Alaska

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IN 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

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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. 18, 1968
PROJECTION AND GRIDS CHECKED BY (IV): L.F. Van Scoy		DATE Sept. 24, 1968
CONTROL PLOTTED BY (III): Drilled Points: - A. Shands Triangulation: - None		DATE Oct. 21, 1968
CONTROL CHECKED BY (III): Drilled Points: - R. White Triangulation: - None		DATE Oct. 21, 1968
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): I. I. Saperstein		DATE Oct. 1968
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY By: F. Margiotta	DATE Dec. 12, 1968
	Reviewed By: C. Bishop	DATE Dec. 26, 1968
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): F. P. Margiotta		DATE Dec. 1968
SCRIBING BY (III): W. Gilbert		DATE 6/1/72
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): C.H. Bishop		DATE Dec. 1968
REMARKS:		

## DESCRIPTIVE REPORT - DATA RECORD

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CAMERA (KIND OR SOURCE) (III):

Wild RC-8 Universal "L"

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67-L-3209 thru 3211*	June 8, 1967	09:42	1:30,000	0.2 Ft. above MLLW

\* These centers fall within the area of T-13185 and T-13189.  
There are no photo centers within the area of T-13186.

Predicted TIDE (III)

Diurnal

RATIO OF MEAN SWING

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T-13186

COMPILATION RECORD

COMPLETION DATE

REMARKS

Alongshore Area For Hydro	Dec. 1968	Superseded
Field Edit Applied Compilation Complete	July 1970	Superseded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

HOONAH SOUND & PERIL STRAIT  
ALASKA  
JOB PH-6306

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

**SUMMARY TO ACCOMPANY**

DESCRIPTIVE REPORT

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-13186**

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 pre-marked 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.

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

Respectfully submitted,

*Isaac I. Saperstein*  
I. I. Saperstein

Approved and forwarded,

*Isaac I. Saperstein*  
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).





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COMPILED REPORT

PH-6306

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31. DELINEATION

All details on the manuscript were compiled by graphic methods. The photographs were satisfactory.

32. CONTROL

See Photogrammetric Plot Report, Part I dated October 1968.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours were inapplicable. Drainage was delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line and mean lower low water line were compiled by graphic methods from office interpretation of the office photographs.

36. OFFSHORE DETAIL

None

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

No recoverable topographic or photo hydro stations have been shown. A sufficient number of shoreline pass points have been shown as an aid for the hydrographer in establishing hydrographic signals.

39. JUNCTIONS

Junctions are in agreement with T-13185 to the west, T-13189 to the south. There are no contemporary surveys to the north and west.

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 satisfactorily.

42-45. Not applicable.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with U.S.G.S. Quadrangle SITKA (C-5) ALASKA, scale 1:63,360, dated 1951.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with 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:  
*Frank P. Margiotta*  
F. P. Margiotta  
Cartographic Aid  
1/10/69

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-13186

- Chichagof Island
- ~~Finger Mountain~~
- Hoonah Sound
- ~~Moore Mountains~~

Approved by:



A. Joseph Wright  
Chief Geographer

Prepared by:

3-22-77

Frank W. Pickett  
Cartographic Technician

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49. NOTES FOR THE HYDROGRAPHER:

NONE

PHOTOGRAMMETRIC OFFICE REVIEW  
T-13186

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) 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
<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 X
<b>PHYSICAL FEATURES</b>			
20. WATER FEATURES CHB	21. NATURAL GROUND COVER X	22. PLANETABLE CONTOURS None	
23. STEREOGRAPHIC 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	38. FIELD INSPECTION PHOTOGRAPHS None	39. FORMS CHB
40. REVIEWER C.H. Bishop	12/26/68	SUPERVISOR, REVIEW SECTION OR UNIT A.C. Rauck, Jr. <i>Albert C. Rauck, Jr.</i>	
<b>41. REMARKS (See attached sheet)</b>			
<b>FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT</b>			
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	7/9/70 July 21/70	SUPERVISOR	
<b>43. REMARKS</b> Field Edit Applied From: Field edit ozalid T-13186			

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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. Winterson*  
for John B. Watkins, Jr.  
CAPT, USESSA

FIELD EDIT REPORT

Map T-13186

Peril Strait

Northeast Of Emmons Island

Field edit of map T-13186 was accomplished during September 1969. Inspection was done from a skiff and on foot in conjunction with photo-hydro signal location.

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.

All notes are in violet pencil on the field edit ozalid.

ADEQUACY OF COMPILED

Compilation of the map is excellent. Field inspection 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-13186

SHORELINE

April, 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 USGS Quadrangle Sitka (C-5), Alaska dated 1951 at 1:63,360 scale. There is general agreement. The quad. shows a small island at about 57°37'55" Lat. and 135°28'40". The field editor and hydro survey give no indication of such an island. The photography shows no such island to exist. This most likely is a natural change since the quad is based on 1948 photography.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with a copy of verified boat sheet H-9055, 1969 at 1:10,000 scale. Except for very minor differences in the MLLW line they are in agreement. The photogrammetric MLLW line was retained on the survey for the use of the chart compiler. This MLLW line was taken from photography flown at .2 above MLLW (predicted).

65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with chart 8252 dated May 1, 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  
Melvin J. Umbach, CDR, NOAA  
Chief, Coastal Mapping Division, AMC

Approved:

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

Approved:

D.K. Haywood Charles L. Lennan  
Chief, Photogrammetric Branch Chief, Coastal Mapping Division