

13324

13324

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-13324Classification No. Field Edited Edition No. 

## LOCALITY

State AlaskaGeneral Locality Hoonah Sound & Peril StraitLocality Nismeni Cove1967 TO 1970

Alfred C. Holmes, Director, AMC

## REGISTRY IN ARCHIVES

DATE

## DESCRIPTIVE REPORT - DATA RECORD

T-13324

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 OFFICE- SUPPLEMENT I - Dec. 1969 OFFICE - AMENDMENT I - Mar. 26, 1970		
METHOD OF COMPILATION (III): Wild B-8 Stereo-Plotter and Graphic		
MANUSCRIPT SCALE (III): 1:10,000		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:25,000 Pantographed to 1:20,000
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): <del>MEAN LOW WATER</del> <b>HIGH WATER</b> EXCEPT AS FOLLOWS: Elevations shown as (25) refer to mean high water Elevations shown as (5) refer to sounding datum i.e., <del>mean lower low water</del>
REFERENCE STATION (III): May 2, 1966		
LAT.: 57°32'57.95309" (1792.9M)	LONG.: 135°20'39.07835" (6499M)	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): y = 2,091,988.55 Ft.      x = 2,356,167.73 Ft.		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-13324

FIELD INSPECTION BY (II): None		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Airphoto 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 on T-11940 R.R. White on T-13324		DATE Dec. 8, 1969 Mar. 26, 1970
CONTROL CHECKED BY (III): Aerotriangulation - Coradomat on T-11940 A. L. Shands on T-13324		DATE Dec. 8, 1969 Mar. 26, 1970
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): I. I. Saperstein		DATE Nov. 1969
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY By: L. Neterer Reviewed By: A. L. Shands	DATE Mar. 19, 1970 Mar. 19, 1970
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): R. White		DATE Mar. 30, 1970
SCRIBING BY (III): Charles Parker		DATE June 5, 1972
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation: A.L. Shands Field Edit: R.J. Pate Scribing and StickUp:		DATE April 11/70 July 27/70
REMARKS: Field Edit By: M. R. Mulhern		DATE May, 1970

FORM C&GS-181c  
(3-66)U.S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT - DATA RECORD

T-13324

CAMERA (KIND OR SOURCE) (III):

Wild RC-8 "L" &amp; "M"

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67-L-(c)-3181 and 67-L-(c)-3182	June 8, 1967	09:24	1:30,000	0.6 ft. below MLLW
67-L-(c)-3214 and 67-L-(c)-3215	June 8, 1967	09:51	1:30,000	0.5 ft. above MLLW

## Predicted TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Juneau, Alaska		13.8	
SUBORDINATE STATION: Nismeni Cove, Alaska		12.5	
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:

4

T-13324 .

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation Complete Pending Field Edit	March 1970	Superseded
Field Edit Applied; Compilation Complete	July 1970	Superseded
Final Review	May 1973	

# HOONAH SOUND & PERIL STRAIT ALASKA

## Shoreline Mapping

Scale 1:10,000

1:20,000

### Chart Topography

Scale 1:40,000

Map No.	Area Sq. Mi.	Pop. No.	Area Sq. Mi.	Pop. No.
T-13178	2	T-13178	2	T-13178
T-13179	2	T-13188	2	T-13188
T-13180	2	T-13189	2	T-13189
T-13181	2	T-13190	2	T-13190
T-13182	3	T-13191	3	T-13191
T-13183	3	T-13192	3	T-13192
T-13184	3	T-13193	3	T-13193
T-13185	3	T-13194	3	T-13194
T-13186	3	T-13195	3	T-13195
T-13187	3	T-13196	3	T-13196
T-13188	3	T-13197	3	T-13197
T-13189	3	T-13198	3	T-13198
T-13190	3	T-13199	3	T-13199
T-13191	3	T-13200	3	T-13200
T-13192	3	T-13201	3	T-13201
T-13193	3	T-13202	3	T-13202
T-13194	3	T-13203	3	T-13203
T-13195	3	T-13204	3	T-13204
T-13196	3	T-13205	3	T-13205
T-13197	3	T-13206	3	T-13206
T-13198	3	T-13207	3	T-13207
T-13199	3	T-13208	3	T-13208
T-13200	3	T-13209	3	T-13209
T-13201	3	T-13210	3	T-13210
T-13202	3	T-13211	3	T-13211
T-13203	3	T-13212	3	T-13212
T-13204	3	T-13213	3	T-13213
T-13205	3	T-13214	3	T-13214
T-13206	3	T-13215	3	T-13215
T-13207	3	T-13216	3	T-13216
T-13208	3	T-13217	3	T-13217
T-13209	3	T-13218	3	T-13218
T-13210	3	T-13219	3	T-13219
T-13211	3	T-13220	3	T-13220
T-13212	3	T-13221	3	T-13221
T-13213	3	T-13222	3	T-13222
T-13214	3	T-13223	3	T-13223
T-13215	3	T-13224	3	T-13224
T-13216	3	T-13225	3	T-13225
T-13217	3	T-13226	3	T-13226
T-13218	3	T-13227	3	T-13227
T-13219	3	T-13228	3	T-13228
T-13220	3	T-13229	3	T-13229
T-13221	3	T-13230	3	T-13230
T-13222	3	T-13231	3	T-13231
T-13223	3	T-13232	3	T-13232
T-13224	3	T-13233	3	T-13233
T-13225	3	T-13234	3	T-13234
T-13226	3	T-13235	3	T-13235
T-13227	3	T-13236	3	T-13236
T-13228	3	T-13237	3	T-13237
T-13229	3	T-13238	3	T-13238
T-13230	3	T-13239	3	T-13239
T-13231	3	T-13240	3	T-13240
T-13232	3	T-13241	3	T-13241
T-13233	3	T-13242	3	T-13242
T-13234	3	T-13243	3	T-13243
T-13235	3	T-13244	3	T-13244
T-13236	3	T-13245	3	T-13245
T-13237	3	T-13246	3	T-13246
T-13238	3	T-13247	3	T-13247
T-13239	3	T-13248	3	T-13248
T-13240	3	T-13249	3	T-13249
T-13241	3	T-13250	3	T-13250
T-13242	3	T-13251	3	T-13251
T-13243	3	T-13252	3	T-13252
T-13244	3	T-13253	3	T-13253
T-13245	3	T-13254	3	T-13254
T-13246	3	T-13255	3	T-13255
T-13247	3	T-13256	3	T-13256
T-13248	3	T-13257	3	T-13257

OFFICIAL MILEAGE FOR COST ACCOUNTS

## SUMMARY TO ACCOMPANY

## DESCRIPTIVE REPORT

T-13324

Shoreline survey T-13324 is part of project PH-6306. The project is located in southeastern Alaska in the Hoonah Sound-Peril Straits area. This manuscript covers the northern tip of the Duffield Peninsula of Baranof Island from Deadman Reach almost to Peschari Point.

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

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

The manuscript was a stabilene sheet two minutes thirty seconds latitude by eight minutes fifteen seconds longitude. Field edit was in 1969-1970. The field editor omitted the necessary data for the Otstolia Island Lt., 1952. This is both a navigational aid and a triangulation station. After field edit was applied, the manuscript was scribed, stuck-up and reproduced on cronaflex. Final review was at AMC during April, 1973. One cronaflex and negative of the final reviewed manuscript are being forwarded for record and registry.

## FIELD INSPECTION

T-13324

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.



## DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 13324 PROJECT NO. PH-6306 SCALE OF MAP 1:10,000 SCALE FACTOR None

[illegible]

## COMPILATION REPORT

T-13324

31. DELINEATION

The 1:60,000 scale "M" photography was used with the Wild B-8 to drop Shoreline points common to both the 1:60,000 scale "M" and 1:30,000 scale "L" photography on a 1:20,000 scale worksheet. These points were then plotted on the 1:10,000 scale manuscript using the Coordinatorgraph. The manuscript was then compiled graphically using the 1:30,000 scale photography reduced to 1:10,000 scale. There was no field inspection.

Photographic coverage was adequate.

32. CONTROL

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



37. LANDMARKS AND AIDS

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

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

A satisfactory junction was made with T-13189 scale 1:10,000 to the north, west of longitude 135°25'00"; T-13190 scale 1:10,000 to the north, east of longitude 135°25'00"; and T-11940 scale 1:20,000 to the east. There is no contemporary survey to the west or south.

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

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  
3/3/70

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-6306 (Alaska)

T-13324

- Baranof Island
- Deadman Reach
- Duffield Peninsula
- Favorite Anchorage
- ~~• Hoonah Sound~~
- Nismenl Cove
- Nismenl Point
- Otstola Island
- Peril Strait

Approved by:

*ajw*

A. Joseph Wraight  
Chief Geographer

Prepared by:

3-22-73

Frank W. Pickett  
Cartographic Technician

T-13324

49. NOTES FOR THE HYDROGRAPHER

None; see Field Edit ozalid.

PHOTOGRAMMETRIC OFFICE REVIEW  
T-13324

1. PROJECTION AND GRIDS Coradomat	2. TITLE ALS	3. MANUSCRIPT NUMBERS ALS	4. MANUSCRIPT SIZE ALS
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY ALS	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) XX		7. PHOTO HYDRO STATIONS XX
8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT ALS	11. DETAIL POINTS
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE	13. LOW-WATER LINE ALS	14. ROCKS, SHOALS, ETC. ALS	15. BRIDGES XX
16. AIDS TO NAVIGATION	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES ALS	19. OTHER ALONGSHORE CULTURAL FEATURES XX
PHYSICAL FEATURES			
20. WATER FEATURES ALS	21. NATURAL GROUND COVER XX		22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES XX
CULTURAL FEATURES			
27. ROADS XX	28. BUILDINGS XX	29. RAILROADS XX	30. OTHER CULTURAL FEATURES XX
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES ALS	34. JUNCTIONS ALS		35. LEGIBILITY OF THE MANUSCRIPT ALS
36. DISCREPANCY OVERLAY ALS	37. DESCRIPTIVE REPORT XX	38. FIELD INSPECTION PHOTOGRAPHS XX	39. FORMS ALS
40. REVIEWER A.L. Shands		SUPERVISOR, REVIEW SECTION OR UNIT Albert C. Rauch, Jr.	
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 7/24/70		SUPERVISOR Albert C. Rauch, Jr.	
Reviewer: R.J. Pate July 27, 1972			
43. REMARKS Field Edit Applied From: Field Edit Ozalid; Matte Ratios: Nos. 67-L-(c)-3213 and 3214. The Field Editor didn't verify or submit form 567, for Otstoisia Island Light. Only part of the ledges were verified.			

## FIELD EDIT REPORT

MAP T-13324

Peril Strait

Nismeni Cove

Field edit of map T-13324 was accomplished during May, 1970. Inspection was done from a skiff and from a launch during hydrographic survey.

### METHOD

The shoreline features and mean high water line were verified by visual comparison of the shore area to the field ratio photographs and field edit ozalid of the map manuscript. Notes have been made in violet on the field edit ozalid and cross referenced where necessary to field ratio photographs 67L3213 and 67L3214. Unless otherwise indicated all shoreline features are correct as interpreted.

All times are based on meridian 105°W.

### ADEQUACY OF COMPILATION

Compilation of the map is good. Hydrographic location of features compares well to photogrammetric location. Corrections and additional identifiable features have been indicated on the field edit ozalid and photographs.

Field inspection of the map is complete.

### RECOMMENDATIONS

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

Respectfully submitted,

*Martin R. Mulhern*

Martin R. Mulhern  
ENSIGN, USESSA

## REVIEW REPORT T-13324

## SHORELINE

April, 1973

61. GENERAL STATEMENT

See summary which is page 6 of the Descriptive Report.

[REDACTED]

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-5), Alaska dated 1951 at 1:63,360 scale. There is general agreement.

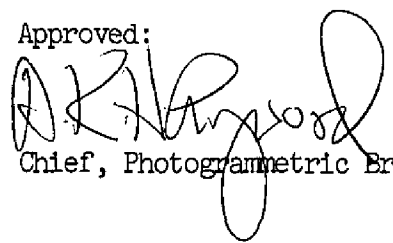
64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

None available in this office at this time.

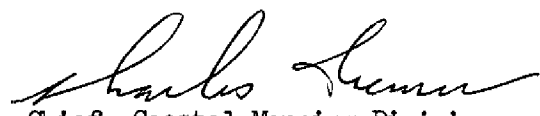
65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with chart 8283 dated July 17, 1971, at 1:40,000 scale. There is general agreement.

Approved:



Chief, Photogrammetric Branch



for Chief, Coastal Mapping Division