

13181

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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-13181*Classification No. Edition No.
Field Edited

LOCALITY

State *Alaska*General Locality *Hoonah Sound & Peril Strait*Locality *North Arm Hoonah Sound*

1967 TO 1967

Alfred C. Holmes, Director, AMC

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

T-13181

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 (III) (III):

OFFICE - Sept. 17, 1968

METHOD OF COMPILATION (III):

Wild B-8 StereoPlotter

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 ~~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):

YoYo, 1966

LAT.:

57° 41' 22.6110"

LONG.:

135° 38' 31.9902"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y=2,144,759.61 Ft. X=2,299,137.09 Ft.

Alaska

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MAN 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-13181

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: - R. White
Triangulation: - A. Shands

DATE

Oct. 17, 1968

Oct. 18, 1968

CONTROL CHECKED BY (III):

Drilled Points: - A. Shands
Triangulation: - R. White

DATE

Oct. 17, 1968

Oct. 18, 1968

RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):

I. I. Saperstein

DATE

Oct. 1968

STEREOSCOPIC INSTRUMENT COMPILATION (III):

PLANIMETRY By: Frank P. Margiotta

DATE Nov. 1968

Reviewed By: C. E. Blood

Nov. 1968

CONTOURS

DATE

MANUSCRIPT DELINEATED BY (III):

Frank P. Margiotta

DATE

Nov. 1968

SCRIBING BY (III):

Charles Parker

DATE

May 17, 1972

PHOTOGRAMMETRIC OFFICE REVIEW BY (III):

C.H. Bishop

DATE

12/18/68

REMARKS:

DESCRIPTIVE REPORT - DATA RECORD
T-13181

MERA (KIND OR SOURCE) (III):

Wild RC-8 Universal "L"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67-L-3205	June 8, 1967	09:42	1:30,000	0.2 Ft. Above MLLW

Predicted TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	SLACK 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: March 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): None

RECOVERED: None

IDENTIFIED: None

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): None

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

REMARKS:

T-13181

COMPILATION RECORD

COMPLETION DATE

REMARKS

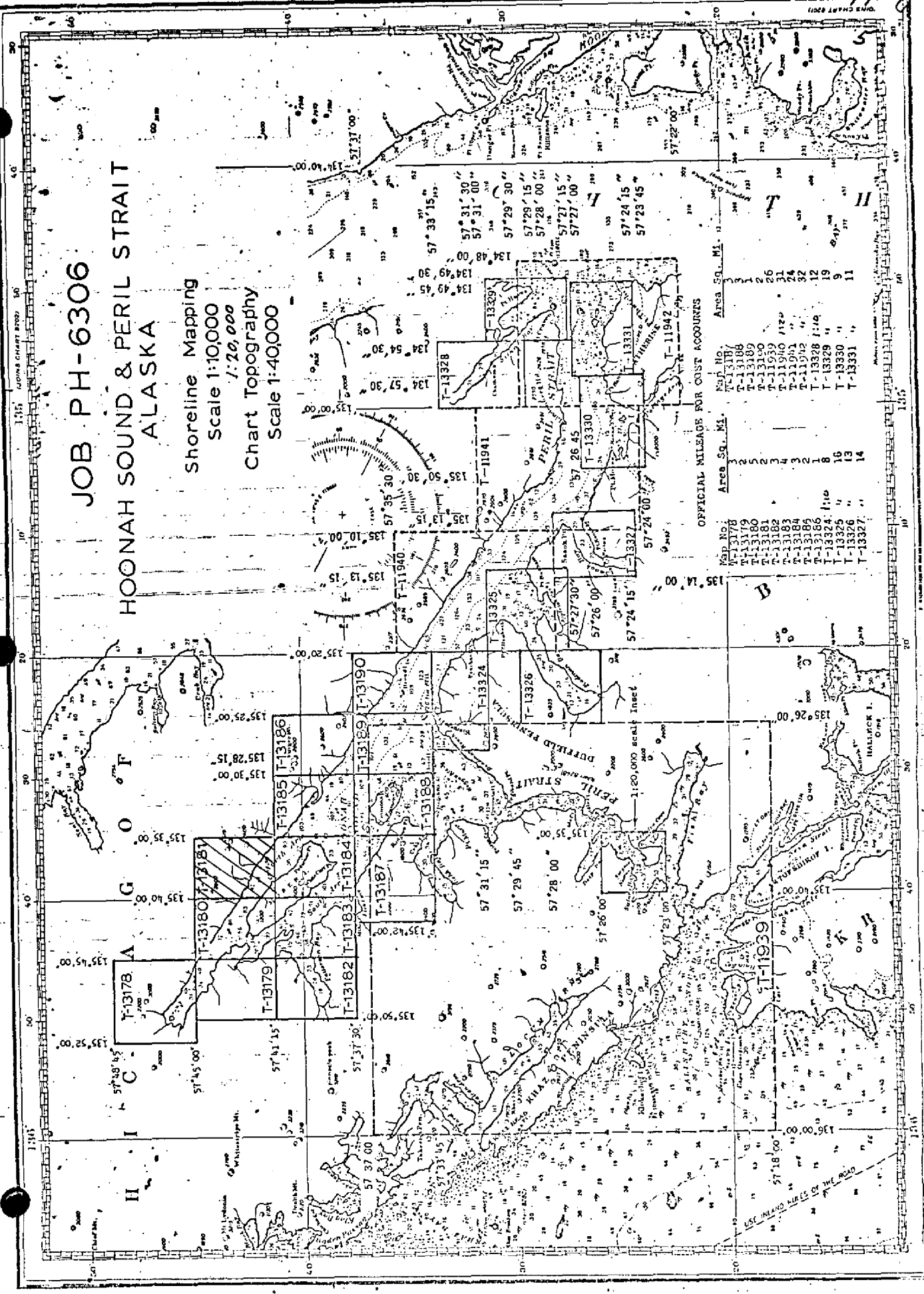
Alongshore Area For Hydro	Nov. 1968	Superseded
Field Edit Applied Manuscript Complete	July 1970	Superseded
Final Review	March 1973	

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.
T-13178	3
T-13179	1
T-13180	2
T-13181	26
T-13182	31
T-13183	24
T-13184	32
T-13185	12
T-13186	19
T-13187	9
T-13188	11
T-13189	
T-13190	
T-11941	
T-11942	
T-13324	
T-13325	
T-13326	
T-13327	

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.

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FIELD INSPECTION

T-13181

There was no field inspection prior to compilation.

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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,

Henry P. Finkel
Chief, Aerotriangulation Section

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NOTES TO COMPILER

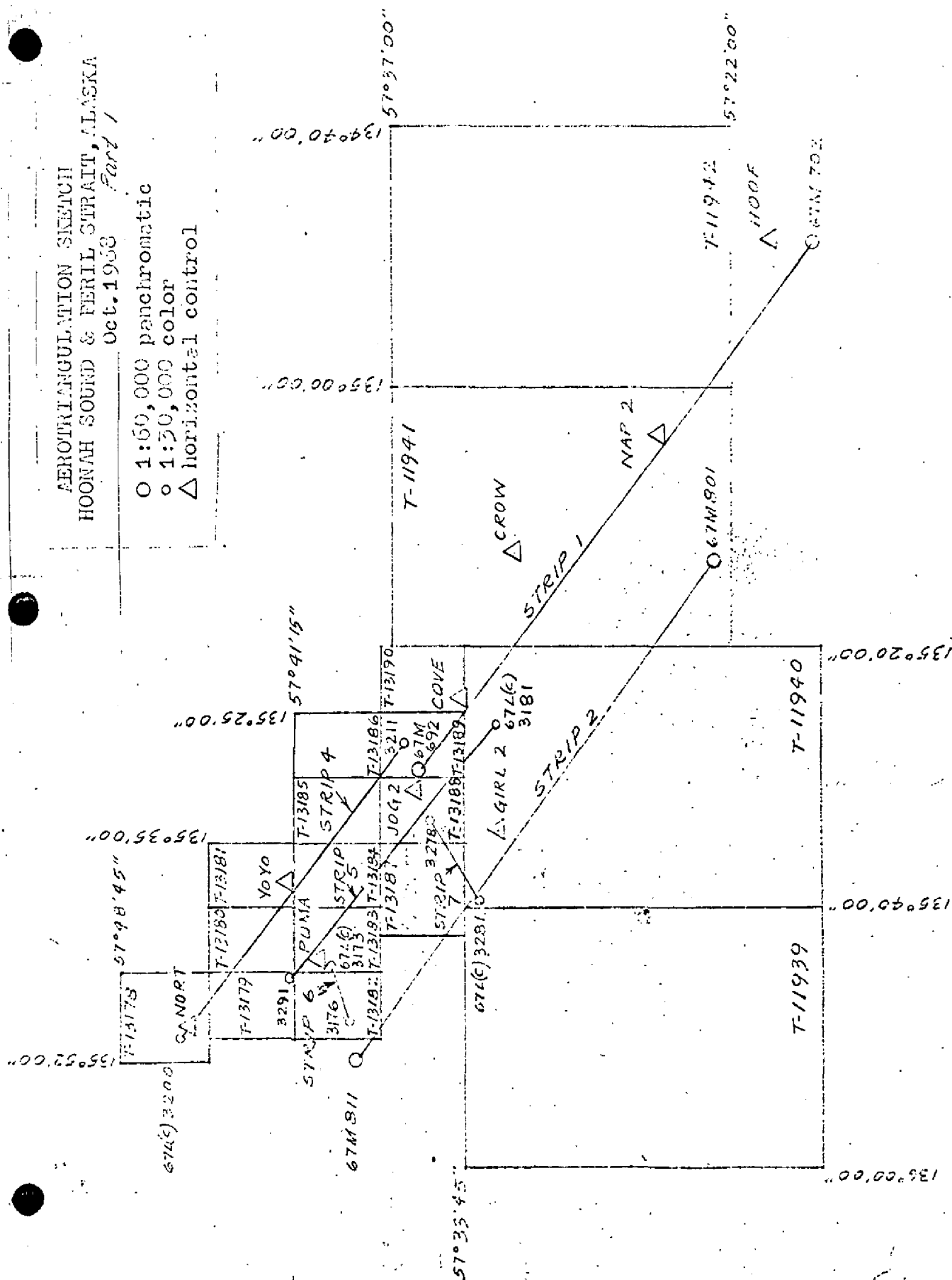
Photos 67-L(C)-3181, 3182, 3183 on Strip 5 could not be bridged because of water areas. However, points were dropped from Strip 1 common to points on the above photos so that several offshore islands can be compiled. Models 3181-3182-3183 can be set on the B-8 using positions for these points from Strip 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).

AEROTRIANGULATION SKETCH HOONAH SOUND & PERIL STRAIT, ALASKA

Oct. 1953 Part 1

- 1:50,000 panchromatic
- 1:50,000 color
- △ horizontal control



None

SCALE FACTOR

[illegible]

COMPUTED BY A.C. Rauck, Jr.

DATE Oct. 25, 1968

CHECKED BY CHB

DATE 1/2/69

COMPILATION REPORT

PH-6306

T-13181

31. DELINEATION

All details on the manuscript were compiled by the Wild B-8 Stereoplotter using color photography. The stage of tide was 0.2 ft above mean lower low water. There was no field inspection.

32. CONTROL

See Photogrammetric Plot Report, Part I, dated October, 1968.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

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

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line and the mean lower low water line were compiled on the Wild B88 Stereoplotter.

36. OFFSHORE DETAIL

None

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEY

No statement.

39. JUNCTIONS

Junction with sheet T-13180 to the east, scale 1:10,000, is in agreement. Junction to the south, scale 1:10,000 T-13184 is in agreement. To the north and west there are no contemporary surveys.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. FIELD EDIT

The field edit for this sheet was well done and 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 has been made with USGS Quadrangle SITKA (D-5) ALASKA, scale 1:63,360 dated 1951.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with USC&GS 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

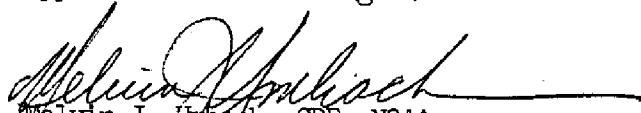
None

Submitted:


Frank P. Margiotta

F. P. Margiotta
Cartographic Aid
11/6/68

Approved for forwarding:


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

Approved:


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

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GEOGRAPHIC NAMES

FINAL NAME SHEET

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

T-13181

- Chichagof Island
- Moser Island
- North Arm Hoonah Sound

Approved by:q



A. Joseph Wraight
Chief Geographer

Prepared by:

3-24-73

Frank W. Pickett
Cartographic Technician

T-13181

49. NOTES FOR THE HYDROGRAPHER:

NONE

FORM C&GS-1002
(9-66)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

T. 13181

1. PROJECTION AND GRIDS CHB		2. TITLE CHB		3. MANUSCRIPT NUMBERS CHB		4. MANUSCRIPT SIZE	
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) 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	
ALONGSHORE AREAS (Nautical Chart Data)							
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	
PHYSICAL FEATURES							
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	
CULTURAL FEATURES							
27. ROADS X		28. BUILDINGS X		29. RAILROADS X		30. OTHER CULTURAL FEATURES X	
BOUNDARIES							
31. BOUNDARY LINES None				32. PUBLIC LAND LINES None			
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 None		39. FORMS CHB	
40. REVIEWER Charles H. Bishop 12/18/68				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 7/2/70 Reviewer: R. J. Pate 7/14/70				SUPERVISOR <i>Albert C. Rauck Jr.</i>			
43. REMARKS Field Edit Applied From: Field Edit Ozalid T-13181 Field Photo 67-L-3205 and 67-L-3206							

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-13181

Hoonah Sound and Peril Strait

North Arm, Hoonah Sound

Field edit of map T-13181 was accomplished during September, 1969. Inspection was done from a launch in conjunction with hydrography.

METHOD

Field ratio 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 field edit ozalid. Ledge limits were compared with those on the ozalid and extended where necessary on the field photos.

Notes have been made in violet ink and pencil on the ozalid and in ink on the photos, and cross referenced by photograph number on the ozalid. Notes are on photographs 67-L-3205 and 67-L-3206.

ADEQUACY OF COMPILATION

Compilation of the map is good. Several rocks were found to be part of ledges or the beach line. The extent of several ledges was found to be incorrect, and these were indicated on the field edit manuscript and delineated on the photographs. Correct description of beach materials was also indicated.

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,

Martin R. Mulhern

Martin R. Mulhern
ENSIGN, USESSA

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REVIEW REPORT T-13181

SHORELINE

March 16, 1973

61. GENERAL STATEMENT

See summary which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED SURVEYS

This 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 and at 1:63,360 scale. There is general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with Verified Survey H-9056 at 1:10,000 scale dated Sept. 1969. They are in agreement except for very minor differences. The MLLW line of the photogrammetric survey was determined from photos taken at .2ft 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.

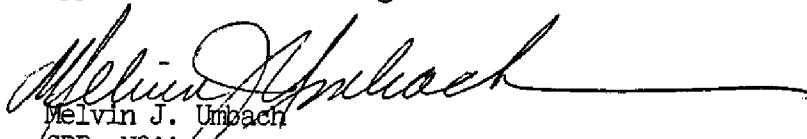
Reviewed by:




Bernard Kurs
Cartographer

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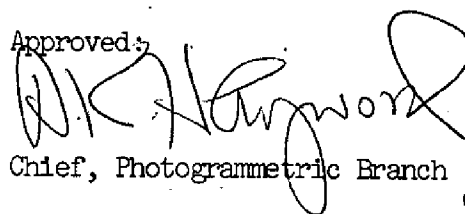
Approved for forwarding:

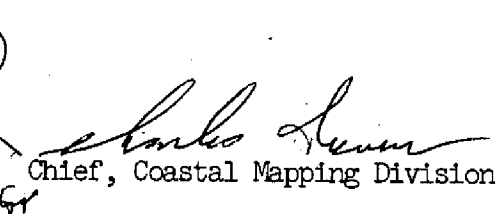

Melvin J. Umbach
CDR, NOAA
Chief, Coastal Mapping Division, AMC

Approved:


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

Approved:


Chief, Photogrammetric Branch


Chief, Coastal Mapping Division