ORIGINAL

13178

13178

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-13178

Classification No. *Edition No.*

Field Edited

LOCALITY

State Alaska

General Locality Hoonah Sound & Peril Strait

Locality Granite Creek

1967 TO 1969

Alfred C. Holmes, Director, AMC

REGISTRY IN ARCHIVES

DATE

☆ U.S. GOVERNMENT PRINTING OFFICE: 1972-760-593

FORM C&GS-181a
(3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-13178

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): 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 HIGH WATER [redacted] EXCEPT AS FOLLOWS: *Elevations shown as (25) refer to mean high water* *Elevations shown as (5) refer to sounding datum* *i.e., [redacted] mean lower low water*
REFERENCE STATION (III): NORT, 1966	
LAT.: 57°45'51.5371" / LONG.: 135°49'16.5396"	[X] ADJUSTED [ ] UNADJUSTED
PLANE COORDINATES (IV): Y = 2,173,106.20 FT. X = 2,264,986.16 FT.	STATE: Alaska / ZONE: 1

ROMAN 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.

USCOMM-DC 36398A-P66

FORM C&GS-181b
(3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-13178

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. 12, 1968
PROJECTION AND GRIDS CHECKED BY (IV): L. F. Van Scoy	DATE Sept. 23, 1968
CONTROL PLOTTED BY (III): A. L. Shands	DATE Oct. 18, 1968
CONTROL CHECKED BY (III): R. White	DATE Oct. 18, 1968
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): I. I. Saperstein	DATE Oct. 1968
STEREOSCOPIC INSTRUMENT COMPILATION (III): PLANIMETRY By: R.R. White Reviewed By: A.L. Shands	DATE Oct. 25/68 Oct. 25,68
CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): R.R. White	DATE Oct. 29, 1968
SCRIBING BY (III): C. Parker	DATE May. 9, 1972
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): C.H. Bishop	DATE Nov. 4, 1968

REMARKS:

FORM C&GS-181c
(3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD
T-13178

CAMERA (KIND OR SOURCE) (III):

Wild RC-8 Universal "L"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67 L 3200 and 3201	June 8, 1967	09:40	1:30,000	0.2 ft. above MLLW

Predicted **TIDE (III)** Diurnal

	RATIO OF RANGES	MEAN RANGE	~~SPRING~~ RANGE
REFERENCE STATION: Juneau, Alaska		13.8	16.4
SUBORDINATE STATION: Nismeni Cove, Alaska		12.5	15.0
SUBORDINATE STATION:			

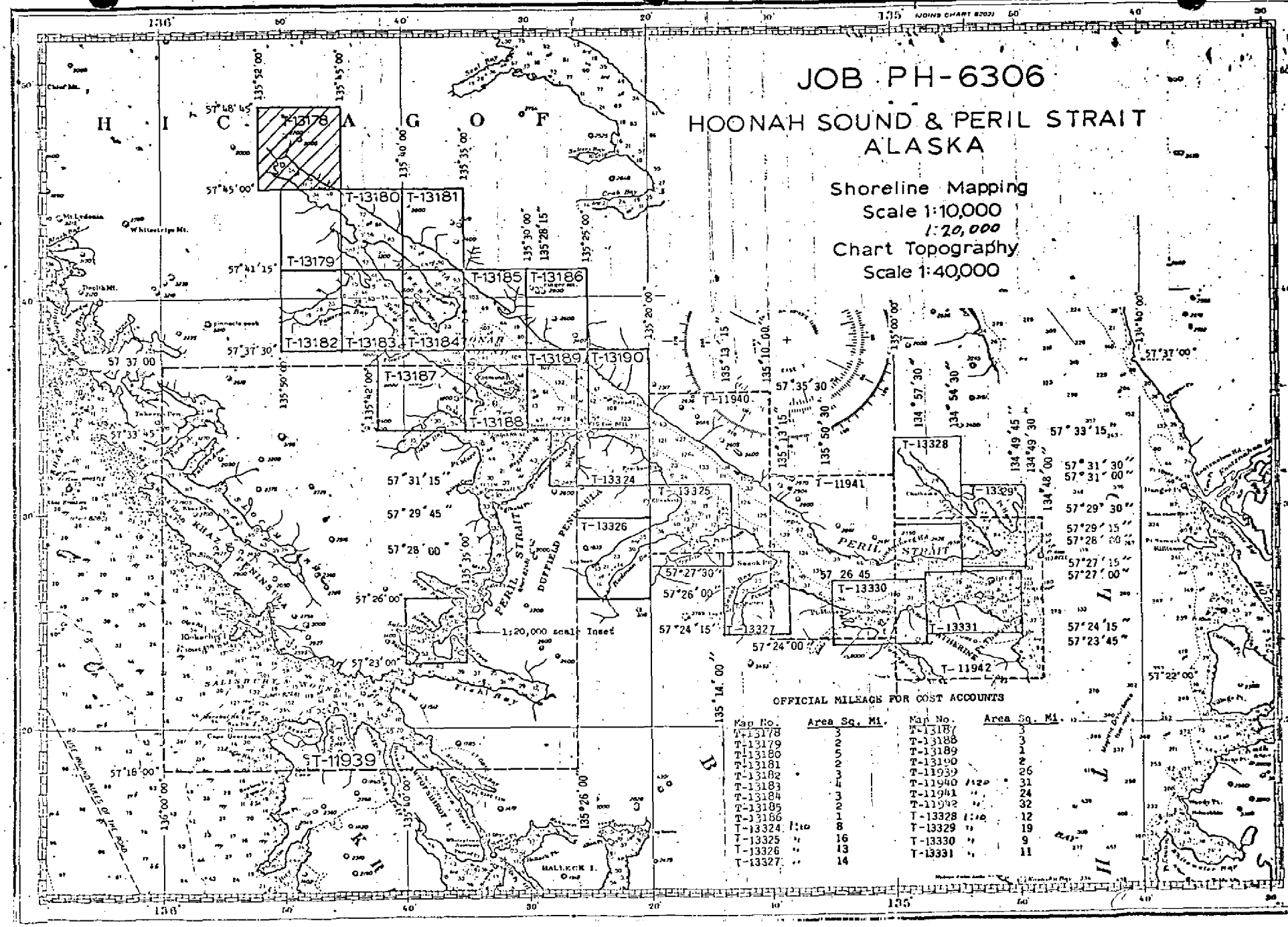
WASHINGTON OFFICE REVIEW BY (IV): Bernard Kurs, AMC		DATE: 13, March, 1973	
PROOF EDIT BY (IV):		DATE:	
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 1	RECOVERED: 1	IDENTIFIED: 1	
NUMBER OF BM(S) SEARCHED FOR (II): None	RECOVERED: None	IDENTIFIED None	
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): None			
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): None			

REMARKS:

USCOMM-DC 36393C-P66

T-13178

COMPILATION RECORD	COMPLETION DATE	REMARKS
Alongshore Area For Hydro	Oct. 1968	Superseded
Field Edit Applied Compilation Complete	June 1970	Superseded
Final Review	March 1973	



OFFICIAL MILEAGE FOR COST ACCOUNTS

Map No.	Area Sq. Mi.	Map No.	Area Sq. Mi.
T-13178	3	T-13187	3
T-13179	2	T-13188	3
T-13180	5	T-13189	1
T-13181	2	T-13190	2
T-13182	3	T-11939	26
T-13183	4	T-11940 1:20	31
T-13184	3	T-11941 "	24
T-13185	2	T-11942 "	32
T-13186	1	T-13328 1:10	12
T-13324 1:10	8	T-13329 "	19
T-13325 "	16	T-13330 "	9
T-13326 "	13	T-13331 "	11
T-13327 "	14		

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-13178

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 readouts, 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

Approved and forwarded,

Chief, Aerotriangulation Section

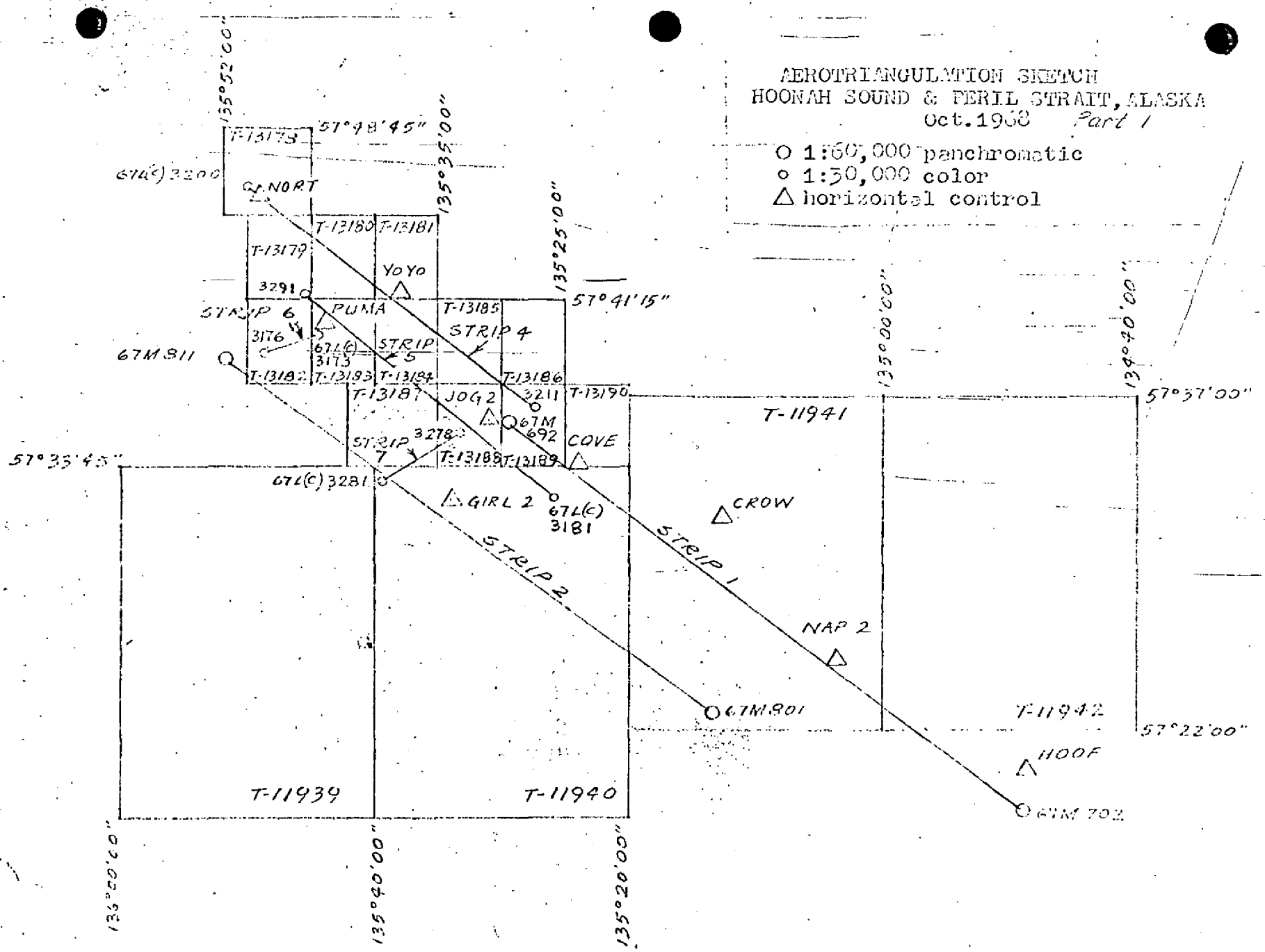
NOTES TO COMPILER

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. 1968 Part 1

O 1:60,000 panchromatic
o 1:30,000 color
△ horizontal control



FORM C&GS-164
(4-68)
USCOMM-DC
50318-P68

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 13178 PROJECT NO. PH-6306 SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meter) FORWARD	(BACK)
NORT, 1966	TRAVERSE G-13912	N.A. 1927	57° 45' 51.5371"	1594.5	(261.8)
			135° 49' 16.5396"	273.5	(718.6)

COMPUTED BY	DATE	CHECKED BY	DATE
A.C. Rauck, Jr.	Oct. 25, 1968	R.R. White	10/29/68

COMPILATION REPORT

PH-6306

T-13178

31. DELINEATION

All details on the manuscript were compiled using the Wild B-8 Stereoplotter and Color Photography taken at 0.2 ft. above mean lower low water. There was no field inspection.

32. CONTROL

See Photogrammetric Plot Report, Part 1, 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

See Item 31. The mean high water line, the mean lower low water line and all other details were compiled from office interpretation of the photographs.

36. OFFSHORE DETAILS

No offshore details were compiled.

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

No statement.

39. JUNCTIONS

Junctions are in agreement with T-13179 scale 1:10,000 to the south. There are no contemporary surveys to the West, North, or East.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with USGS Quadrangle SITKA (D-6) ALASKA, scale 1:63,360 dated 1948.

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:

R. R. White

R. R. White
Cartographic Aid
10/30/68

Approved for forwarding:

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

Approved:

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

~~SEP 12 1968~~

14

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

T-13178

- Chichagof Island
- Granite Creek
- North Arm Hoonah Sound

Approved by:

Prepared by:

Approved by:
Chief Geographer

A. Joseph Wraight
Chief Geographer

Prepared by:
Cartographic Technician

3-22-73

Frank W. Pickett
Cartographic Technici

T-13178

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-3178

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
CHB	CHB	CHB	

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
CHB	X	X

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
X	X	CHB	CHB

ALONGSHORE AREAS *(Nautical Chart Data)*

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
CHB	CHB	CHB	X

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
None	None	CHB	CHB

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
CHB	X	None

23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
None	None	None	X

CULTURAL FEATURES

27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
None	None	None	None

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
None	None

MISCELLANEOUS

33. GEOGRAPHIC NAMES	34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT
CHB	CHB	CHB

36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
CHB	CHB	None	CHB

40. REVIEWER	DATE	SUPERVISOR, REVIEW SECTION OR UNIT
Charles H. Bishop	11/4/68	A. C. Rauck, Jr. Albert C. Rauck 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	DATE	SUPERVISOR
Charles H. Bishop	6/27/70	A. C. Rauck, Jr. Albert C. Rauck Jr.

43. REMARKS

Field Edit Applied From Photo 67-L-3201

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. Winterrmyer
for John B. Watkins, Jr.
CAPT, USESSA

FIELD EDIT REPORT

Map T-13178

Hoonah Sound and Peril Strait

Granite Creek

Field edit of map T-13178 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 of the map manuscript were examined in the field. The mean high water line and shoreline features were verified by visual comparison of the shore area to the field photographs and field edit ozalid. Isolated rocks were located by sextant fixes, plotted on boat sheet FA-10-6-69, and compared to photo interpreted positions.

Notes have been made in violet ink and pencil on the field edit ozalid and in ink on the photos and cross referenced to photograph 67-L-3201. All times are based on 105°W meridian.

ADEQUACY OF COMPILATION

Compilation of the map is good. Hydrographic location of features compares well to photogrammetric location.

A ledge exists at the north tip of the island at the bottom edge of the sheet and was delineated on the photograph and indicated on the ozalid. One rock at the north end of the arm was searched for but not found. Corrections to the description of beach materials were indicated on the ozalid.

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-13178

SHORELINE

March 14, 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. Quadrangle Sitka (D-6), Alaska dated 1948 and at 1:63,360 scale. There is general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with Verified Survey H-9057 dated Sept. 1969 at 1:0,000 scale. They are in agreement except for slight differences in the mean lower low water line. The photogrammetric mean lower low water line was determined from photos taken at .2' 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 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