

13190

13190

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-13190
Classification No. Field Edited Edition No.

LOCALITY

State Alaska
General Locality Hoonah Sound & Peril Strait
Locality Broad Island

1967 TO 1969

Alfred C. Holmes, Director, AMC

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

T-13190

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): Graphic		
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 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): Cove, 1952		
LAT.: 57° 33' 48.930"	LONG.: 135° 24' 36.055"	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): y = 2,097,485.99 Ft. x = 2,343,374.31 Ft.		STATE Alaska
		ZONE 1
MAN 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.		

T-13190

CAMERA (KIND OR SOURCE) (III):

Wild RC-8 Universal "L"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67-L-3213 and 3214	June 8, 1967	09:45	1:30,000	0.2 ft. above MLW

Predicted	TIDE (III)
100	100
90	90
80	80
70	70
60	60
50	50
40	40
30	30
20	20
10	10
0	0

Diurnal

	Predicted	RATIO OF RANGES	MEAN RANGE	Ratio 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): 2

RECOVERED:
2

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-13190

COMPILATION RECORD	COMPLETION DATE	REMARKS
Alongshore Area For Hydro	Dec. 1968	Superseded
Field Edit Applied; Compilation Complete	July 1970	Superseded
Final Review	April 1973	

JOB PH-6306

HOONAH SOUND & PERIL STRAIT ALASKA

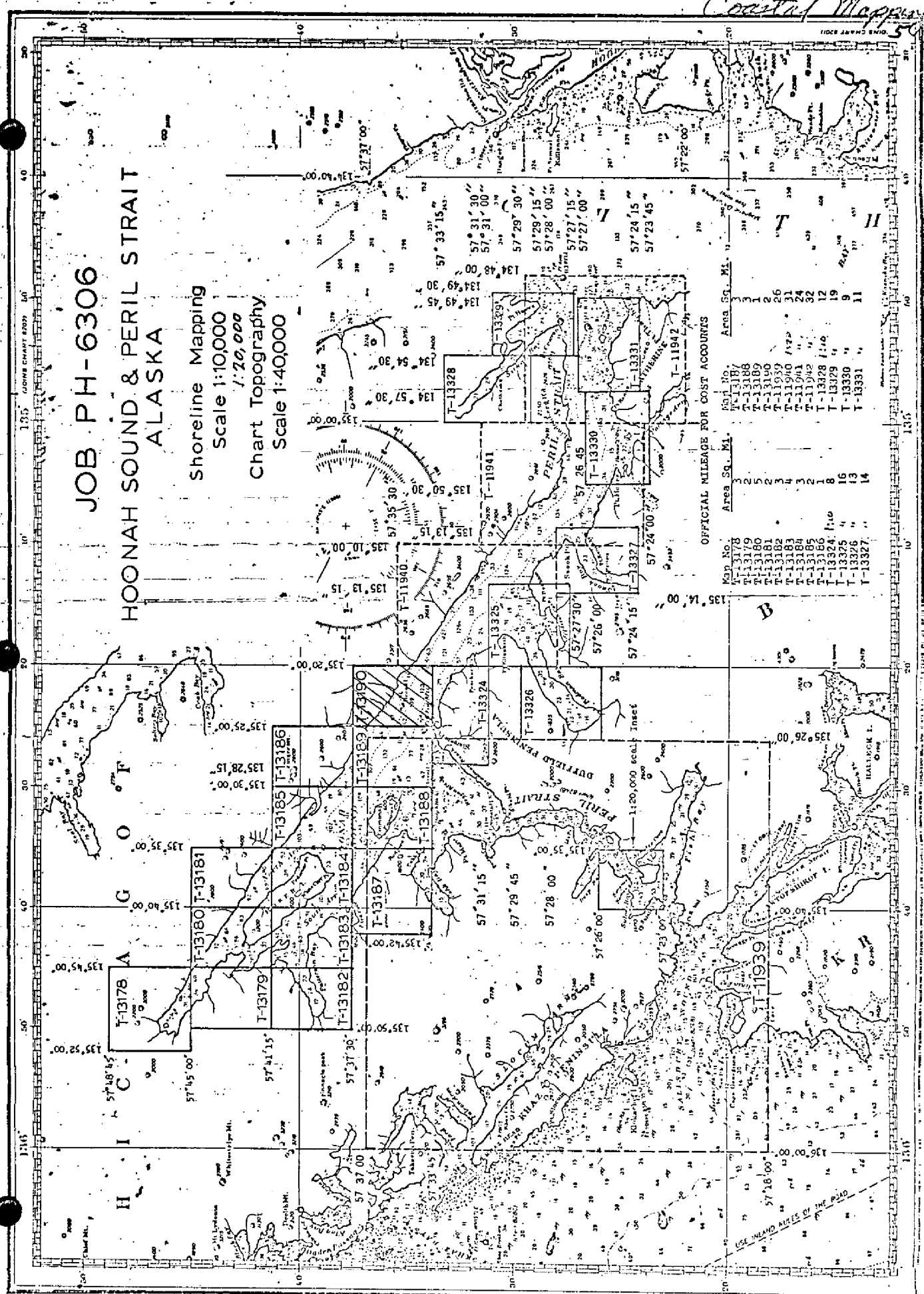
Shoreline Mapping

Scale 1:10,000

1:20,000

Chart Topography

Scale 1:40,000



OFFICIAL MILEAGE FOR COST ACCOUNTS

Map No.	Area Sq. Mi.
T-13178	1
T-13179	1
T-13180	1
T-13181	1
T-13182	1
T-13183	1
T-13184	1
T-13185	1
T-13186	1
T-13187	1
T-13188	1
T-13189	1
T-13190	1
T-13191	1
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T-13212	1
T-13213	1
T-13214	1
T-13215	1
T-13216	1
T-13217	1
T-13218	1
T-13219	1
T-13220	1
T-13221	1
T-13222	1
T-13223	1
T-13224	1
T-13225	1
T-13226	1
T-13227	1

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-13190

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. Enkel

Chief, Aerotriangulation Section

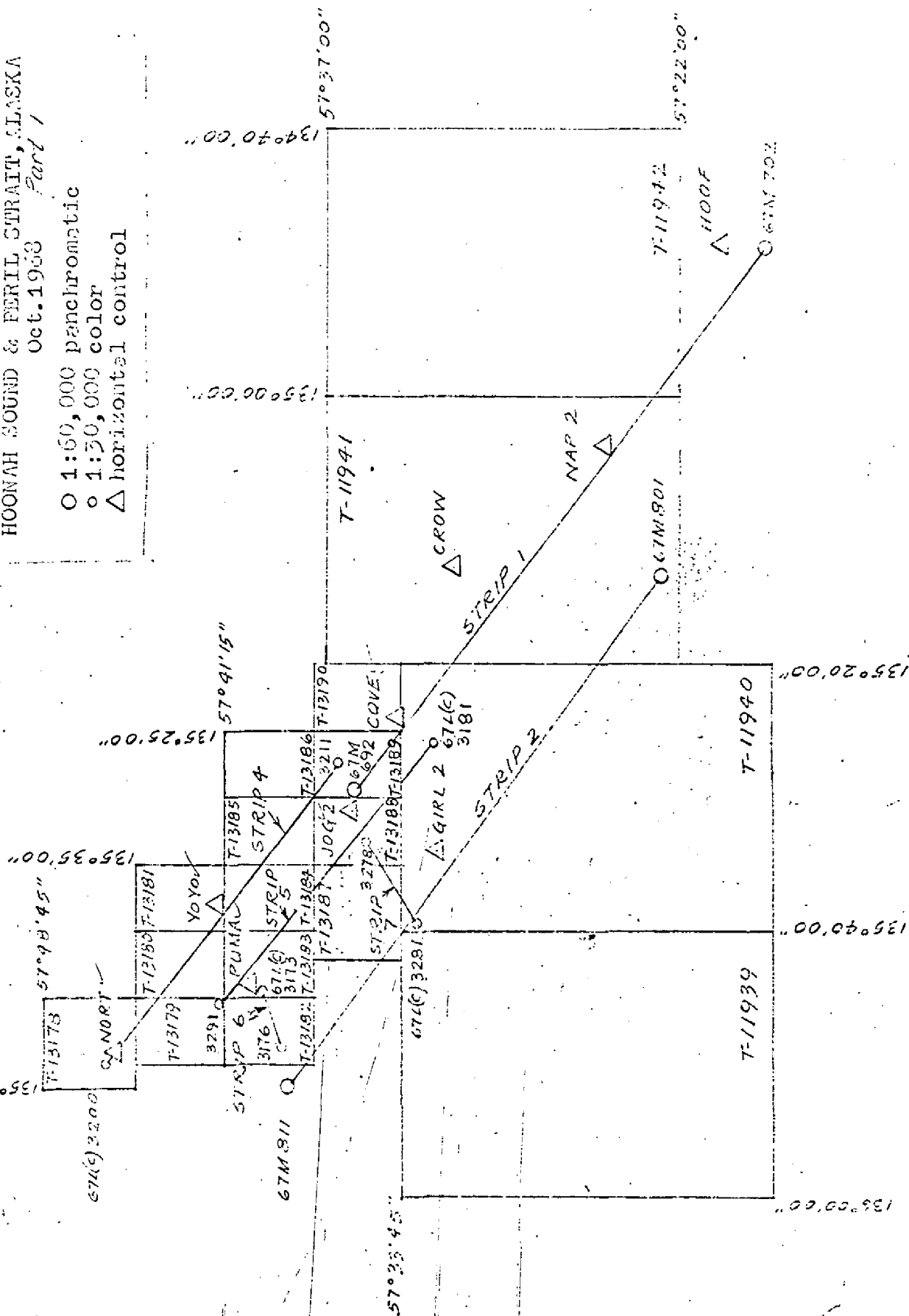
NOTES TO COMPILER

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. 1953 *Part 1*

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



DESCRIPTIVE REPORT; CONTROL RECORD

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)
COVE, 1952	G.P. Vol. 3 Pg. 911	N.A. 1927	57° 33' 48.930" 135° 24' 36.055"	1513.7 (342.5) 599.4 (398.2)
BROAD, 1952	G.P. Vol. 3 Pg. 906	"	57° 35' 09.436" 135° 23' 28.750"	291.9 (1565.1) 477.7 (519.1)
COMPUTED BY A. C. Rauck, Jr.	DATE Oct. 25, 1968	CHECKED BY CHB	DATE 12/30/68	

COMPILATION REPORT

PH-6306

T-13190

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

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

None

38. CONTROL AND FUTURE SURVEYS

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

39. JUNCTION

Junction are in agreement with T-13189 to the west. There is no contemporary survey to the north. There are no contemporary surveys at 1:10,000 scale to the south and east.

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

A comparison was made with USGS 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 November 1965.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None

ITEMS TO BE CARRIED FORWARD:

None

Submitted:

Frank P. Margiotta

Frank P. Margiotta
Cartographic Aid
1/13/69

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 (Hoonah Sound and Peril
Strait, Alaska)

T-13190

- Baranof Island
- Broad Island
- Chichagof Island
- ~~Moore Mountains~~
- Nismeni Point
- Nismeni Cove
- Peril Strait

Approved by:

AJW
A. Joseph Wraight
Chief Geographer

Prepared by:

3-22-73
Frank W. Pickett
Cartographic Technician

T-13190

49. NOTES FOR THE HYDROGRAPHER:

NONE

PHOTOGRAMMETRIC OFFICE REVIEW

T13190

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	38. FIELD INSPECTION PHOTOGRAPHS None	39. FORMS CHB
40. REVIEWER C.H. Bishop 12/30/68		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 R.E. Smith 7/28/70 Reviewer: R.J. Pate July 28, 1970		SUPERVISOR Albert C. Rauck, Jr. <i>Albert C. Rauck, Jr.</i>	
43. REMARKS Field Edit Applied From: Field Edit Ozalid and Field Ratio Photo No. 67-L-3213 All questions asked on the field edit ozalid were answered.			

FIELD EDIT REPORT

MAP T-13190

Hoonah Sound and Peril Strait

Broad Island

Field edit of map T-13190 was accomplished from a skiff during August 1969 and May 1970.

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 photograph 67L3213. 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. Several ledges indicated should be deleted from the manuscript, and corrections should be applied to the character of foreshore materials in several areas. Corrections and additional identifiable features have been indicated on the field edit ozalid and photo.

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-13190

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 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

Comparison was made with a copy of verified boat sheet H-9054 dated 1969 at 1:10,000 scale and

The agreement is good except for minor variations in the MLLW line. The photogrammetric MLLW line is determined from photography taken at .2 ft above MLLW (predicted) and is retained on the survey for whatever use it may be to the chart compiler.

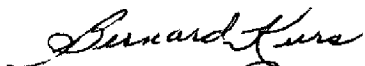
65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with chart 8283 dated July 17, 1971, at 1:40,000 scale. They are in 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

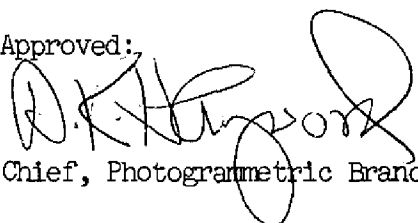

Approved for forwarding:


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