

13183

13183

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-13183

Classification No. Edition No.
Field Edited

LOCALITY

State Alaska

General Locality Hoonah Sound & Peril Strait

Locality Douglass Bay

1957 TO 1969

Alfred C. Holmes, Director, AMC

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

T-13183

| | | |
|--|-----------------------------|---|
| 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): 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 LOW WATER 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): Puma, 1966 | | |
| LAT.: 57° 40' 54.0502" | LONG.: 135° 44' 13.0595" | <input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED |
| PLANE COORDINATES (IV): y = 2,142,414.78 Ft. x = 2,280,518.41 Ft. | | STATE Alaska |
| | | ZONE 1 |
| 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-13183

| | | |
|---|---|--|
| 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: J.R. Minton Reviewed By: R.R. White | DATE Nov. 1968 Nov. 1968 |
| | CONTOURS | DATE |
| MANUSCRIPT DELINEATED BY (III): R.R. White J.R. Minton | | DATE Nov. 1968 Dec. 1968 |
| SCRIBING BY (III): Charles Parker | | DATE June 2, 1972 |
| PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation: C.H. Bishop Field Edit: R.J. Pate | | DATE Dec. 1968 July 15, 1970 |
| 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-3173 | June 8, 1967 | 08:33 | 1:30,000 | 1.8 below MLLW |
| 67-L3189 thru 3191 | June 8, 1967 | 09:26 | 1:30,000 | 0.6 " " |

Predicted TIDE (III) Diurnal

| | RATIO OF RANGES | MEAN RANGE | STILLING 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): 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-13183

COMPILATION RECORD

COMPLETION DATE

REMARKS

| | | |
|--|-------------|------------|
| Alongshore Area For Hydro | Dec. 1968 | Superseded |
| Field Edit Applied Compilation Complete | July, 1970 | Superseded |
| Final Review | April, 1973 | |
| | | |
| | | |

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. | Pop. No. | Area |
|---------|--------------|----------|------|
| T-13178 | 3 | 13178 | |
| T-13179 | 2 | 13179 | |
| T-13180 | 5 | 13180 | |
| T-13181 | 2 | 13181 | |
| T-13182 | 3 | 13182 | |
| T-13183 | 3 | 13183 | |
| T-13184 | 2 | 13184 | |
| T-13185 | 2 | 13185 | |
| T-13186 | 1 | 13186 | |
| T-13224 | 8 | 13224 | |
| T-13325 | 16 | 13325 | |
| T-13326 | 13 | 13326 | |
| T-13327 | 14 | 13327 | |
| T-13328 | | 13328 | |
| T-13329 | | 13329 | |
| T-13330 | | 13330 | |
| T-13331 | | 13331 | |

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 REPORT

PH-6306

T-13183

There was no field inspection prior to compilation.

8

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.

3

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,

[Signature]
Chief, Aerotriangulation Section

24. Supplemental Data

Vertical control needed for the adjustment was taken from USGS quadrangles.

25. Photography

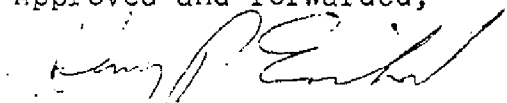
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Cronapaque and matte ratio prints have been ordered from the 1:30,000 scale color photographs on black and white base.

Respectfully submitted,


I. I. Saperstein

Approved and forwarded,


Chief, Aërotriangulation 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).

MAP T-13183

PROJECT NO. PH-6306

SCALE OF MAP

1:10,000

SCALE FACTOR

None

[illegible]

COMPILATION REPORT

PH-6306

T-13183

31. DELINEATION

All details on the manuscript were compiled from color photography using the Wild B-8 Stereoplotter. 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 recoverable topographic or photo-hydro stations have been shown; however, 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-13180 scale 1:10,000 to the North; T-13189 scale 1:10,000 to the East; T-13182 scale 1:10,000 to the West; and T-13187 scale 1:10,000 from Longitude 135°42'00" to 135°40'00" to the South.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. FIELD EDIT

The field edit for this sheet was well done, 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 has been made with USGS Quadrangle SITKA (C-6) 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

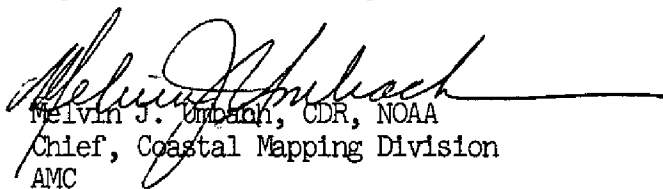
None

Submitted:


R. R. White

R. R. White
Cartographic Aid
11/22/68

Approved for forwarding:


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

Approved:


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

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

T-13183

- Chichagof Island
- Douglass Bay
- Flick Cove
- Moser Island
- Patterson Bay
- South Arm Hoonah Sound

Approved by:

ajw

A. Joseph Wraight
Chief Geographer

Prepared by:

3-22-73

Frank W. Pickett
Cartographic Technician

T-13183

49. NOTES FOR THE HYDROGRAPHER:

NONE

FORM C&GS-1002
(9-66)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
ESSAPHOTOGRAMMETRIC OFFICE REVIEW
T-13183

| | | | |
|---|--|--|---|
| 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) None | 7. PHOTO HYDRO STATIONS None | |
| 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 C.H. Bishop | | SUPERVISOR, REVIEW SECTION OR UNIT Dec. 12/68 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 Reviewer: R.J. Pate | | 7/6/70 July 15, 1970 SUPERVISOR <i>Albert C. Rauck, Jr.</i> | |
| 43. REMARKS Field Edit Applied From: Field edit ozalid T-13183 Field photos 67-L-3173 and 67-L-3189 | | | |

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-13183

Peril Strait

Douglass Bay

September 1969

Field edit of map T-13183 was accomplished during September 1969. Inspection was done from a small boat and on foot in conjunction with identification of photo-hydro signals.

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 the field photographs and ozalid. Isolated rocks and reefs were located by sextant fixes and plotted on boat sheets FA-10-5-69 and FA-10-7-69 and compared to photo interpreted positions. Ledge limits were compared with those on the ozalid and extended, where necessary, on the field photos.

Notes have been made in violet pencil on the ozalid and in ink on the photos, and cross referenced to the ozalid by photograph number. All notes are on photos 67-L-3173 and 67-L-3189. All times are based on Meridian 105°W.

ADEQUACY OF COMPILATION

Compilation of the map is good; additional ledges not found on the compilation were located in the field and delineated and referenced to photos on the ozalid. The 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. Davis
Allan F. Davis
ENS, USESSA

REVIEW REPORT T-13183

SHORELINE

April, 1973

61. GENERAL STATEMENT

See summary which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED SURVEYS

No registered surveys in this area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with USGS Quadrangle Sitka (C-6), Alaska at 1:63,360 scale and dated 1951. There is general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with verified survey H-9057 and 9056 both at 1:10,000 scale dated Sept., 1969. They are in agreement except for slight differences in the MLLW line. The photogrammetric MLLW line was taken from photos taken at .6 below 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 May 1, 1971 at 1:217,828 scale. There is general agreement.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

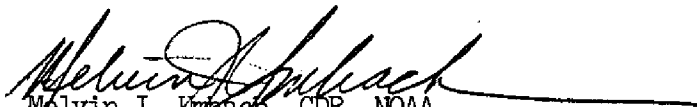
This survey meets with project instructions and the National Standards of Map Accuracy.

Reviewed by:




Bernard Kurs
Cartographer

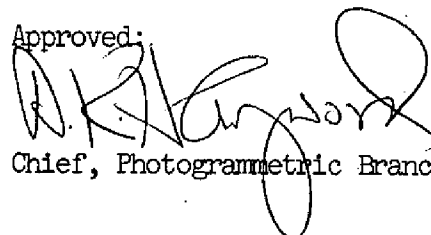
Approved for forwarding:

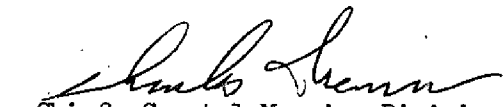

Melvin J. Umbach, CDR, NOAA
Chief, Coastal Mapping Division, AMC

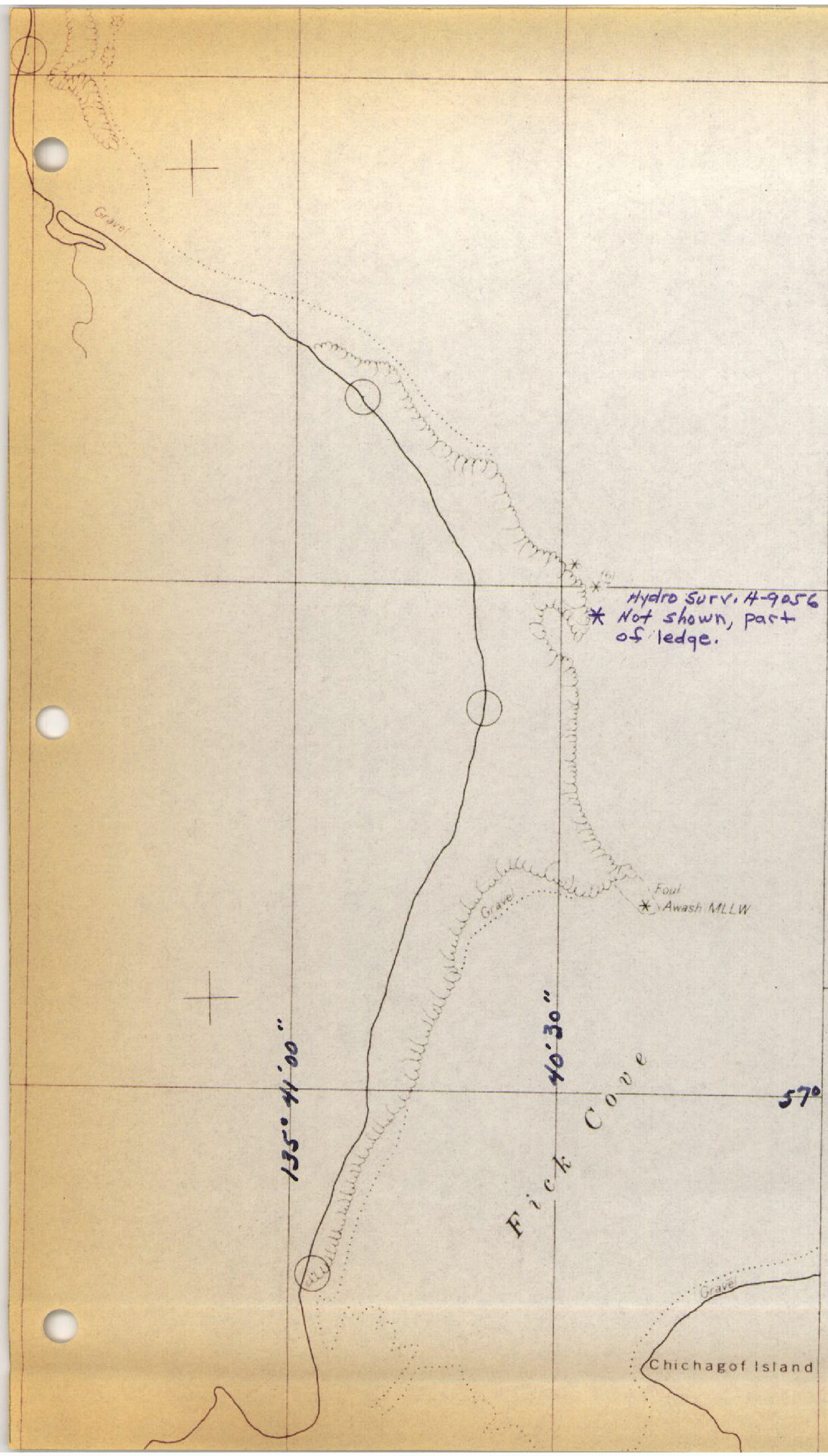
Approved:


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

Approved:


R. K. Thompson
Chief, Photogrammetric Branch


Charles L. Lenn
Chief, Coastal Mapping Division



$y = 2,130,000$ FT

38'30"

Hydro Surv. 4-9056
* Not shown, part of ledge.

$y = 2,125,000$ FT

38'

57°

Chichagof Island

T-13183