

12818

12818

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|--|----------------------------------|
| <p>FORM C&GS-504</p> <p>U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY</p> <p>DESCRIPTIVE REPORT</p> | |
| <p>Type of Survey <u>Shoreline (Photogrammetric)</u></p> | |
| <p>Field No.</p> | <p>Office No. <u>T-12818</u></p> |
| <p>LOCALITY</p> | |
| <p>State <u>Alaska</u></p> | |
| <p>General locality <u>Keku Strait</u></p> | |
| <p>Locality <u>North Of Eagle Island</u></p> | |
| <p><u>1961-1969</u></p> | |
| <p>CHIEF OF PARTY</p> | |
| <p>Alfred C. Holmes, Director, AMC</p> | |
| <p>LIBRARY & ARCHIVES</p> | |
| <p>DATE</p> | |

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR
TO REGISTRATION



12/15/2011 10:00:00 AM

DESCRIPTIVE REPORT - DATA RECORD

T-12818

PROJECT NO. (II):
PH-6206

| | |
|----------------------------|----------------|
| 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 (III) (III):

| | |
|---------------------|-------------------|
| OFFICE INSTRUCTIONS | January 18, 1965 |
| " SUPPLEMENT III | December 19, 1967 |
| " " IV | April 14, 1970 |
| FIELD INSTRUCTIONS | February 11, 1969 |

METHOD OF COMPILATION (III):
Wild B-8 and Graphic

| | |
|------------------------------------|--|
| MANUSCRIPT SCALE (III): 1:5,000 | STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:7,500 Pantographed to 1:5,000 |
|------------------------------------|--|

| | |
|--|--|
| DATE RECEIVED IN WASHINGTON OFFICE (IV): | DATE REPORTED TO NAUTICAL CHART BRANCH (IV): |
|--|--|

| | | |
|----------------------|-------|---|
| APPLIED TO CHART NO. | DATE: | DATE REGISTERED (IV): <i>Sept. 4, 1975</i> |
|----------------------|-------|---|

| | |
|--------------------------------------|---|
| GEOGRAPHIC DATUM (III): N.A. 1927 | VERTICAL DATUM (III): HIGH WATER MEAN SEA LEVEL 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):
CHANGE 1927

| | | |
|------------------------------------|-------------------------------------|---|
| LAT.: 56° 37' 44.999" (1391.9m) | LONG.: 133° 40' 46.492" (792.6m) | <input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED |
|------------------------------------|-------------------------------------|---|

| | | |
|---|-----------------|-----------|
| PLANE COORDINATES (IV): y = 1,751,728.74 Ft. x = 2,683,042.92 Ft. | STATE Alaska | ZONE 1 |
|---|-----------------|-----------|

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.

DESCRIPTIVE REPORT - DATA RECORD

T-12818

| | | |
|---|--|-----------------------------------|
| FIELD INSPECTION BY (II): | | DATE: |
| None | | |
| MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): | | |
| Air Photo Compilation Date of Photography: June 16, 1964 | | |
| PROJECTION AND GRIDS RULED BY (IV): | | DATE |
| L. F. Van Scoy | | Sept. 25, 1967 |
| PROJECTION AND GRIDS CHECKED BY (IV): | | DATE |
| R. Glaser | | Sept. 26, 1967 |
| CONTROL PLOTTED BY (III): | | DATE |
| B. L. Barge | | Nov. 15, 1967 |
| CONTROL CHECKED BY (III): | | DATE |
| R. R. White | | Nov. 15, 1967 |
| RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): | | DATE |
| W. Heinbaugh (W.O.) | | |
| STEREOSCOPIC INSTRUMENT COMPILATION (III): | PLANIMETRY W.S. Davis, Jr. and B.L. Barge | DATE Dec. 8, 1967 Mar. 3, 1969 |
| | CONTOURS Inapplicable | DATE |
| MANUSCRIPT DELINEATED BY (III): | | DATE |
| B. L. Barge | | 8/8/68 |
| SCRIBING BY (III): | | DATE |
| F. P. Margiotta | | Feb. 7, 1972 |
| PHOTOGRAMMETRIC OFFICE REVIEW BY (III): | | DATE |
| C. H. Bishop | | Aug. 26, 1968 |
| REMARKS: | | |
| | | |

DESCRIPTIVE REPORT - DATA RECORD
T-12818

INSTRUMENT (KIND OR SOURCE) (III):
Wild RC-8 "W"

PHOTOGRAPHS (III)

| NUMBER | DATE | TIME | SCALE | STAGE OF TIDE |
|---------------------|--------------|-------|----------|--------------------|
| 64-W(c)-1162 & 1163 | 16 June 1964 | 10:52 | 1:15,000 | 3.5 ft. above MLLW |
| 64-W(c)-1149 & 1150 | " | 10:42 | 1:15,000 | " " " |
| 61-W-9545 & 9546 | 16 July 1961 | 10:36 | 1:20,000 | 0.4 ft. below MLLW |

Predicted TIDE (III) **Diurnal**

| | RATIO OF RANGES | MEAN RANGE | SPRING RANGE |
|---|-----------------|------------|--------------|
| REFERENCE STATION: Ketchikan, Alaska | | 13.0 | 15.4 |
| SUBORDINATE STATION: Beck Island, Keku Strait | | 11.5 | 13.8 |
| SUBORDINATE STATION: | | | |

Atlantic Marine Center
WASHINGTON OFFICE REVIEW BY (IV): **C.H. Bishop** DATE: **Jan. 31, 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-12818

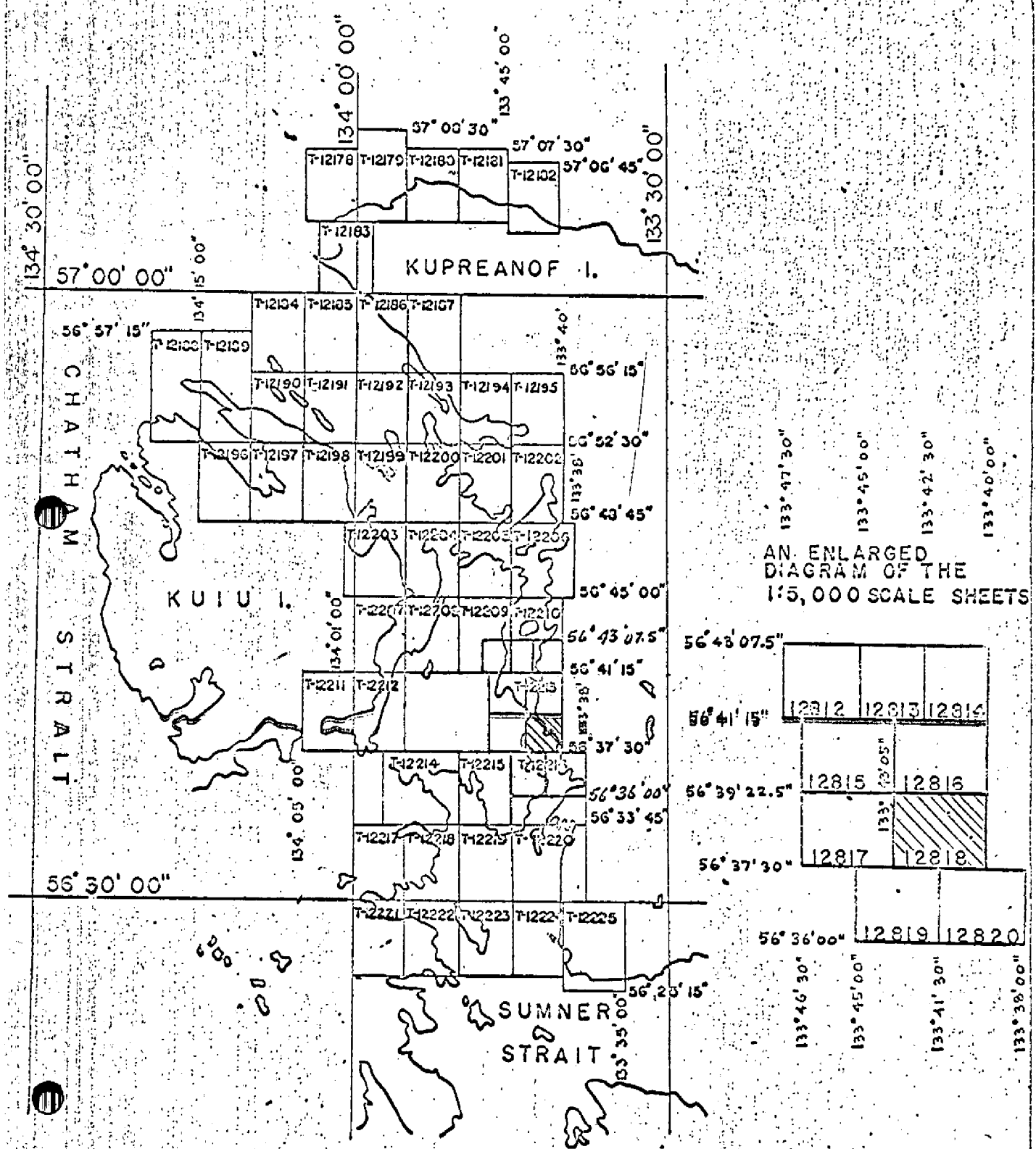
| COMPILATION RECORD | COMPLETION DATE | REMARKS |
|--|-----------------|------------|
| Compilation Complete Pending Field Edit | Aug. 1968 | Superseded |
| Field Edit Applied | Feb. 1970 | Superseded |
| Final Review | Jan. 1973 | |
| | | |
| | | |

SHORELINE MAPPING PROJECT

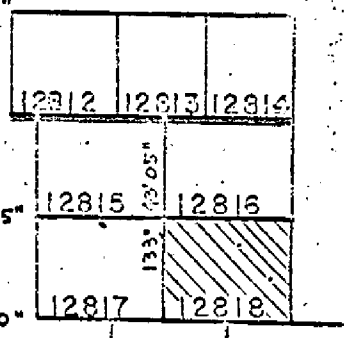
Ph-6206

KEKU STRAITS, ALASKA

SCALE 1:10,000



AN ENLARGED
DIAGRAM OF THE
1:5,000 SCALE SHEETS



REV. 9-65 R.G.
REVISED 1-6-65

A.R.

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-12818

This 1:5,000 scale shoreline manuscript is one of 53 maps that comprise Project PH-6206, Keku Strait, Alaska. The project diagram indicates the location of T-12818 in the project.

There was no field work prior to compilation, except the identification of horizontal control for aerotriangulation.

Compilation was by Wild B-8 methods, using panchromatic photographs taken in 1961 and color photographs taken in 1964. Control was based on a stereoplanigraph bridge. Stable transparent copies of the map manuscript, ozalids, and specially prepared photographs were furnished for transfer of shoreline to the boat sheet, location of photo-hydro signals and field edit.

Field edit was done in conjunction with hydrography in 1969. After application of field edit data to the maps, it was scribed and reproduced on cronaflex.

Final review was done at the Atlantic Marine Center in January, 1973.

The compilation manuscript was a vinylite sheet 1 minute 52.5 seconds in latitude by 3 minutes 05 seconds in longitude.

A cronaflex copy of the final reviewed manuscript and a negative have been forwarded for record and registry.

FIELD INSPECTION REPORT

T-12818

PROJECT PH-6206

There was no field inspection prior to compilation of this map.

AEROTRIANGULATION REPORT
Keku Straits, Alaska
Job PH-6206

21. Area Covered

This report pertains to that portion of Keku Straits between 56° 33' 45" and 56° 45' 00".

22. Method

Two strips of photography were bridged using stereoplani-graph and emulsion-drilled diapositives. Measurements made by the stereoscopic instruments were adjusted using 1620 IBM programs.

23. Adequacy of Control

Number and location of field-identified horizontal control stations were adequate to control the bridges with sufficient accuracy to comply with National Standards of Map Accuracy. Station LO 1927 did not hold in the adjustment but closer investigation revealed that an apparent transposition of distances to the substitute stations had occurred. After re-computing the positions all control held satisfactorily.

24. Supplemental Data

U.S.G.S. quadrangles, Petersburg (C-5 and C-6), Alaska, scale 1:63,360, 1948 edition, were used to determine elevations to provide vertical control where required.

25. Photography

Photography was adequate for coverage, definition and endlap.

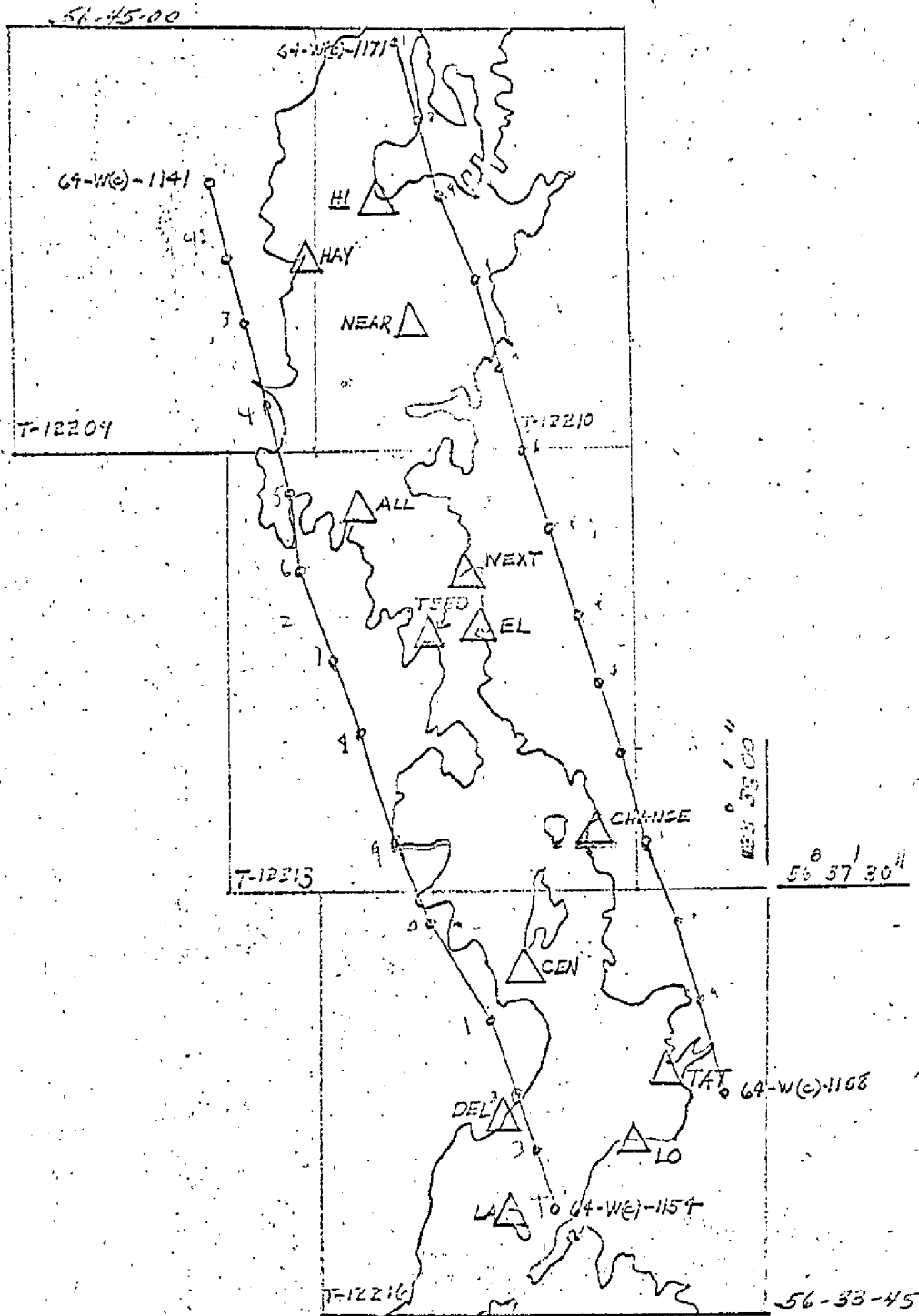
Respectfully submitted:

W. Heinbaugh
W. Heinbaugh

Approved by:

John D. Perron
John D. Perron

KEKU STRAITS, ALASKA PH - 6206





DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 12818 PROJECT NO. PH-6206 SCALE OF MAP 1:5,000 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 meters)) FORWARD (BACK) |
|-------------|-------------------------------|--------------|---|---|
| CHANGE 1927 | G.P. Vol. 2 P. 361 | N.A. 1927 | 56° 37' 44.999" 133° 40' 46.492" | 1391.9 (464.0) 792.6 (230.3) |
| MOUND 1927 | Vol. 2 P. 361 | " | 56° 37' 42.484" 133° 42' 45.361" | 1314.1 (541.8) 733.4 (249.5) |
| FOG 1927 | " | " | 56° 37' 42.118" 133° 41' 29.901" | 1302.8 (553.1) 509.8 (513.1) |
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COMPUTED BY B.L. Barge

DATE 11/29/67

CHECKED BY B. Wilson

DATE 7/10/68

COMPILATION REPORT

T-12818

31. DELINEATION

The Wild B-8 was used. Bridging Strips 1 and 2 were flown parallel to each other with no appreciable amount of side overlap. The flights do not meet in some areas. Therefore, compilation from this 1964 color photography was not complete. Where this hiatus existed compilation was completed graphically using the 1961 panchromatic photography.

32. CONTROL

See "AEROTRIANGULATION REPORT" (not dated).

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 was compiled with the Wild B-8 from two flights of color photography.

The approximate mean lower low water line was compiled graphically, using ratio prints of the 1961 panchromatic photographs.

36. OFFSHORE DETAILS

All offshore details were compiled in the same manner as the shoreline and alongshore details.

37. LANDMARKS AND AIDS

Form 567 was prepared for five fixed aids to navigation and forwarded to the Rockville Science Center.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Satisfactory junctions have been made with sheets T-12816 to the north; T-12817 to the west; T-12819 and T-12820, to the south. There is no contemporary survey to the east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with USGS Quadrangle PETERSBURG (C-6), Scale 1:63,360, dated 1948.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Chart 8272, KEKU STRAIT, Scale 1:20,000, inset 1:10,000, 2nd Edition dated November 14, 1960, revised March 18, 1963.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted:

Charles H Bishop
for B.L. Barge
Cartographic Technician

Approved for forwarding:

Merwin J. Umbach
Merwin 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-6206 (Keku Strait, Alaska)

T-12818

Devils Elbow

Eagle Island

Keku Strait

Kuiu Island

Kupreanof Island.

Rocky Pass

Approved by:



A. Joseph Wraight
Chief Geographer

Prepared by:



Frank W. Pickett
Cartographic Technician

| | | | |
|--------------------------------|-----------------|------------------------------|--------------------|
| 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 CHB |
| 8. BENCH MARKS None | 9. PLOTTING OF SEXTANT FIXES | 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 None |
| 16. AIDS TO NAVIGATION CHB | 17. LANDMARKS | 18. OTHER ALONGSHORE PHYSICAL FEATURES CHB | 19. OTHER ALONGSHORE CULTURAL FEATURES CHB |

PHYSICAL FEATURES

| | | |
|--|----------------------------------|---------------------------------|
| 20. WATER FEATURES CHB | 21. NATURAL GROUND COVER None | 22. PLANETABLE CONTOURS None |
| 23. STEREOSCOPIC INSTRUMENT CONTOURS None | 24. CONTOURS IN GENERAL None | 25. SPOT ELEVATIONS None |
| | | 26. OTHER PHYSICAL FEATURES |

CULTURAL FEATURES

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

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 | SUPERVISOR, REVIEW SECTION OR UNIT A. 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 C. H. Bishop | 2/18/70 | SUPERVISOR Albert C. Rauck, Jr. |
|--------------------------|---------|------------------------------------|

43. REMARKS
 Field Edit from: Field Edit Ozalid, Film ozalid from field, Field Photos 64 W 1140 through 1150 and 64 W 1160, 1162, 1163 and 1164.

FIELD EDIT REPORTS

Keku Strait,
Southeast Alaska
OPR-448

MAPS

T-12812
T-12813
T-12814
T-12815
T-12816
T-12817
T-12818
T-12819
T-12820

June-August 1969

FIELD EDIT REPORTS

Keku Strait
Southeast Alaska
OPR-448

June-August 1969

INTRODUCTION

Field edit reports are attached for the following maps:

| | |
|---------|---------|
| T-12812 | T-12817 |
| T-12813 | T-12818 |
| T-12814 | T-12819 |
| T-12815 | T-12820 |
| T-12816 | |

Field photographs and copies of the field edit ozalids were taken into the field. The mean high water line was verified by visual inspection of the shoreline and ozalids in the field. Isolated rocks, high points of ledges, ledge limits, and some shoreline were located by three-point fixes with check angles. Fixes were plotted on boat sheets:

DA-5-2-69
DA-5-3-69
DA-5-4-69
DA-5-5-69

and then transferred to the T-sheets and ozalids for comparison.

Notes have been made in violet on the field photographs and have been cross-referenced on the Field Edit Ozalids by photograph number. All times are based on 105° West meridian.

Generally compilation of the maps is good. It is recommended that the maps be revised in accordance with the notes on the photographs and that the maps, with the exceptions of T-12813, T-12815, and T-12818, be accepted as advance manuscripts. Maps T-12813, T-12815, and T-12818 should be compiled using the recent photographs. It is recommended that the compiler obtain copies of the above boat sheets and use them in compiling the advance manuscripts.

Field inspection of these maps is complete except for map T-12820.

Copies of "Nonfloating Aids or Landmarks for Charts", form C&GS 567, are attached.

FIELD EDIT REPORT
MAP T-12818

Keku Strait
Southeast Alaska
OPR-448

July-August 1969

Field edit of map T-12818 was done by LT(jg) Glenn Endrud and LT(jg) Bruce Fisher between 23 July and 11 August 1969. Inspection was done on foot and in a 12-foot whaler.

METHOD

Field photographs and a copy of the field edit ozalid were taken into the field. Most of the shoreline was verified by visual inspection in the field. Isolated rocks, high points of ledges, ledge limits, and some shoreline were located with three-point fixes with check angles. Fixes were plotted on boat sheets DA-5-4-69 & DA-5-5-69 and then transferred to the T-sheet and ozalid for comparison.

Notes have been made in violet on the field photographs and have been cross-referenced on the "Field Edit Ozalid" by photograph number. All times are based on 105° West meridian. Notes are on the following photographs:

| | |
|---------|---------|
| 64W1148 | 64W1162 |
| 64W1149 | 64W1163 |
| 64W1150 | 64W1164 |

ADEQUACY OF COMPILATION

Compilation of this map is good except in the area of Devil's Elbow. Hydrographic location of isolated boulders compares well with the photogrammetric location of the same boulders.

In the area of Devil's Elbow the MHWL south of the Elbow needs to be revised as shown on the field edit ozalid. Three-point fixes with check angles have been plotted on boat sheet DA-5-5-69 to establish the MHWL. The new shoreline has been pricked on to the field edit ozalid.

There are several ledges in the area of the Elbow which should be added to the map. These are noted on the photographs.

Field inspection of this map is complete.

MAP T-12818

RECOMMENDATIONS

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

ATTACHMENTS

A copy of "Nonfloating Aids or Landmarks for Charts", form C&GS 567, is attached.

Respectfully submitted

Bruce W. Fisher

Bruce W. Fisher
LTJG USESSA

APPROVAL SHEET
for
FIELD EDIT
Keku Strait
Southeast Alaska
OPR-448
June-August 1969

The field edit of the following manuscripts was accomplished under my supervision:

| | |
|---------|---------|
| T-12812 | T-12817 |
| T-12813 | T-12818 |
| T-12814 | T-12819 |
| T-12815 | T-12820 |
| T-12816 | |

Frequent inspections of the field edit work and of plotted comparisons on the boat sheets were made.

Ray E. Moses

Ray E. Moses
CDR, USESSA
Commanding Officer
USC&GSS DAVIDSON

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

STRIKE OUT TWO

XXXX CHARTS
TO BE REVISED
XOXB DELETED

Keku Strait, Southeast Alaska August 1969

I recommend that the following objects which have *(have not)* been inspected from seaward to determine their value as landmarks be charted on *(deleted from)* the charts indicated.

The positions given have been checked after listing by Glenn H. Endrud, LTJG USESSA

Ray E. Moses
CDR Ray E. Moses Chief of Party

| CHARTING NAME | STATE | DESCRIPTION | SIGNAL NAME | POSITION | | | METHOD LOCATION AND SURVEY No. | DATE OF LOCATION | HARBOR CHART | INSHORE CHART | OFFSHORE CHART | CHARTS AFFECTED | |
|---|-------|-----------------------|-------------|-------------|------------|--------|--------------------------------|------------------|--------------|---------------|----------------|-----------------|--|
| | | | | LATITUDE* | LONGITUDE* | DATUM | | | | | | | |
| | | D.P. METERS | | D.P. METERS | | | | | | | | | |
| | | • ' " | • ' " | • ' " | • ' " | | | | | | | | |
| W "21" | | Daybeacon #21 (white) | 417 | 56 38 | 133 42 | 36.1 | N.A. Hydro sig | 7/69 | X | | | 8272 | |
| | | | | | | 1355.1 | 1927 DA-5-4-69 | 7-69 | | | | | |
| R "20" | | Daybeacon #20 (red) | 413 | 56 38 | 133 41 | 59.0 | N.A. Hydro sig | 7/69 | X | | | 8272 | |
| | | | | | | 476.5 | 1927 DA-5-4-69 | | | | | | |
| W "19" | | Daybeacon #19 (white) | 412 | 56 38 | 133 41 | 34.3 | N.A. Hydro sig | 7/69 | X | | | 8272 | |
| | | | | | | 339.9 | 1927 DA-5-4-69 | | | | | | |
| W "17" | | Daybeacon #17 (white) | 411 | 56 38 | 133 41 | 09.4 | N.A. Hydro sig | 7/69 | X | | | 8272 | |
| | | | | | | 289.3 | 1927 DA-5-4-69 | | | | | | |
| W "15" | | Daybeacon #15 (white) | 510 | 56 38 | 133 41 | 02.7 | N.A. Hydro sig | 7/69 | X | | | 8272 | |
| | | | | | | 164.8 | 1927 DA-5-5-69 | | | | | | |
| <p>The position of each aid listed on this form is in agreement with the corresponding position on Map Manuscript T-12818. As there are no other fixed aids or landmarks in this area this form was not duplicated by the Photogrammetric Branch, Atlantic Marine Center.</p> | | | | | | | | | | | | | |
| <p><i>Allen L. Powell</i> Allen L. Powell Director, AMC</p> | | | | | | | | | | | | | |

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

REVIEW REPORT T-12818

SHORELINE

January 31, 1973

61. GENERAL STATEMENT

See Summary, which is page 6 of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with a copy of Survey No. 4331, scale 1:10,000, dated August - September 1927. Control for comparison purposes was poor. Shoreline was in poor agreement. Differences were shown in blue on the comparison print, and were attributed to better surveying methods and natural shoreline changes that would occur over a forty year period of time.

Survey No. 4331 is now obsolete for nautical chart construction purposes and is now superseded by T-12818.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with U.S.G.S. Quadrangles PETERSBURG (C-5) and (C-6), ALASKA, scale 1:63,360, dated 1951 and 1948 respectively. No significant differences between these maps and T-12818 were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A direct comparison was made with copies of reviewed Surveys H-9080, scale 1:5,000, dated July 1969 and H-9081, scale 1:5,000, dated July-August 1969. Differences between these surveys and T-12818 are shown in purple on the comparison print.

A Chart Maintenance Print, indicating changes made to the Advance (Class I) Manuscript during Final Review, was prepared for the Marine Chart Division.

The mean lower low water line, which was compiled from low water photography, was left on the map for whatever use it may be to the chart compiler.

A pier at Lat. $56^{\circ}38.2'$, Long. $133^{\circ}40.7'$, which had been carried forward from the Incomplete Manuscript, was removed from T-12818. It was not verified by the hydrographer or the field editor. The final reviewer believed this to be a log.

Hydro ledge limit at Lat. $56^{\circ}38.1'$, Long. $133^{\circ}40.9'$ was not visible on photographs covering the area (64 W 1161-1162 and 61 W 9545). Ledge limit on T-12818 is from field edit.

Shoreline on the north and east sides of island north of Eagle Island (Lat. $56^{\circ}37.9'$ - $38.1'$, Long. $133^{\circ}41.4'$) is mapped on T-12818 as it was delineated on Field Photo 64 W 1162 by the field editor. This looks reasonable on the photographs. An ozalid and a film copy of T-12818 with shoreline located by Sextant fix copied from Boat Sheet H-9081, were also submitted as field edit data. This latter data did not look reasonable when compared with the photographs and was not applied to T-12818.

An area approximately 75 meters south of Daybeacon 19, mapped as reef on the Incomplete and Advance manuscripts, was not identified as reef by the field editor and not verified by the hydrographer, who mapped the zero curve and did not show the reef symbol. It was changed by the final reviewer from reef to foreshore area bounded by approximate mean lower low water line.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Chart 8272, scale 1:20,000, 4th Edition, dated November 21, 1970.

No attempt was made to show shoreline differences on the comparison print. They were approximately the same as shoreline differences between Survey 4331 and T-12818. Other differences between the chart and T-12818 were shown in red on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS


This survey complies with project instructions and the National Standards for Map Accuracy.

Reviewed by:

Charles H. Bishop

Charles H. Bishop
Cartographer

Approved for forwarding:


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

Approved:


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

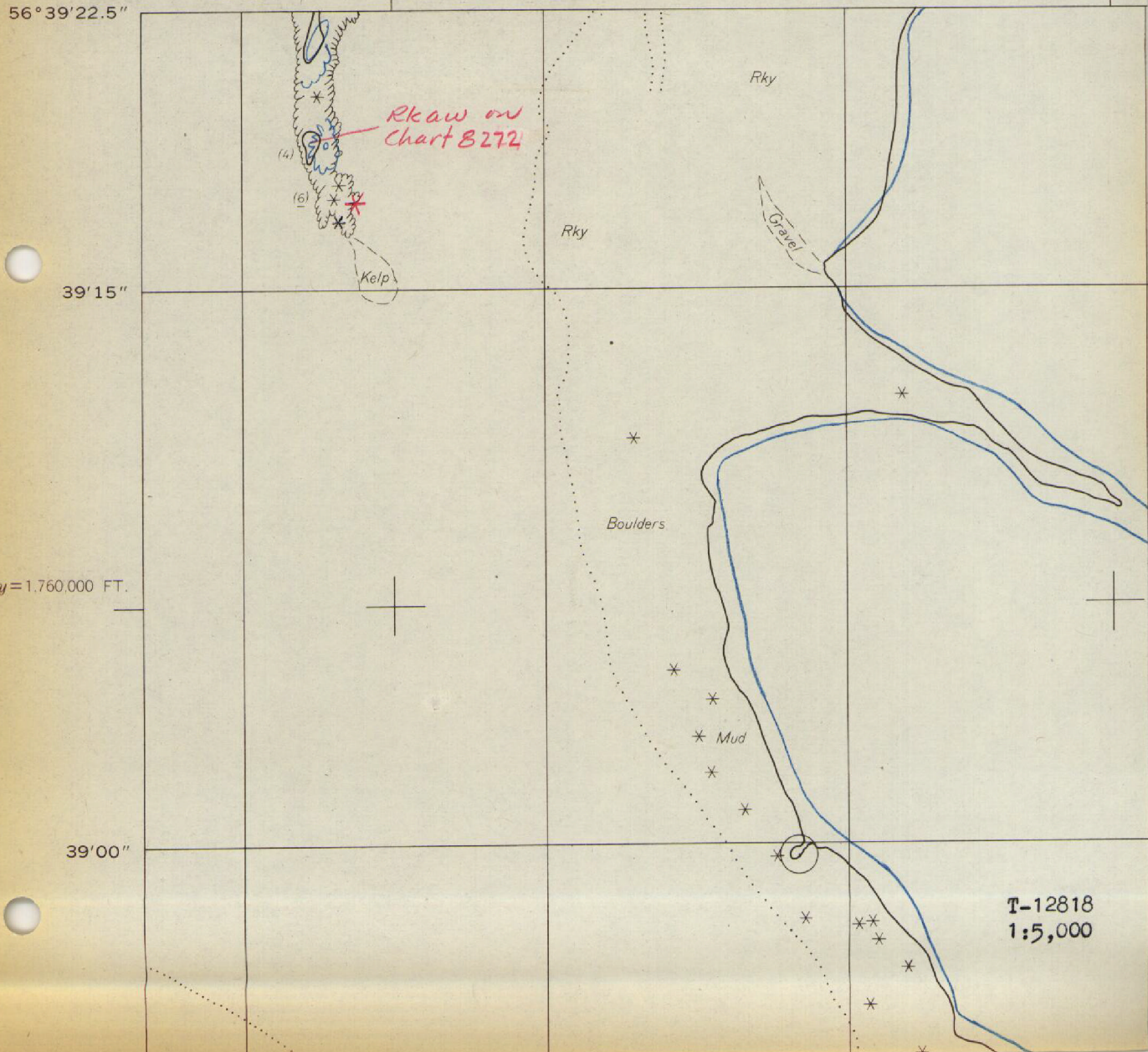
Approved:

Chief, Photogrammetric Branch Chief, Coastal Mapping Division

COMPARISON PRINT

Blue= T-4331
Red = Chart 8272

133° 43' 05" 43' 00" x=2,676,000 FT. 42' 45" 42' 30" x=2,678,000 FT. 42'



Mud

Rks awash MLLW

*25

Mud

Boulders

Not visible
on GI W9545

H-9080

y=1,758,000 FT.

38'45"

COMPARISON PRINT

Purple = H-9080 & H-9081
Blue = T-4331

K U I U

I S L A N D

KEKU STRAIT
DAYBEACON 21 1969

Awash MLLW

Foul

Reef (6)

Mud

Kelp

Awash MLLW *

R

Mud

Mud

H-9081
No rk visible
on GI W9544

RK 3

T-12818

1:5,000

y=1,756,000 FT.

38'30"

38'15"

133° 43' 05"

42'45"

133°42'00"

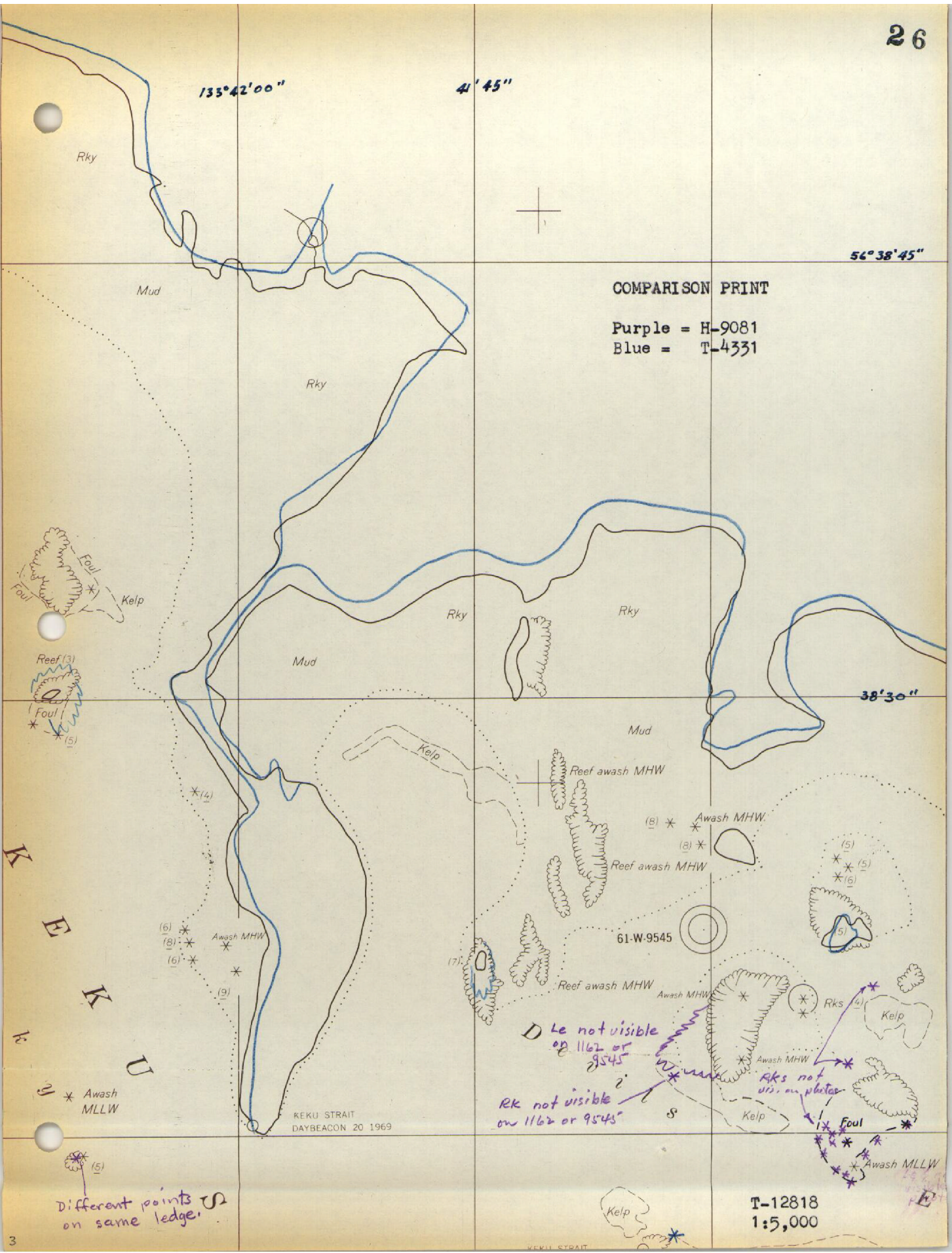
4'45"

56°38'45"

COMPARISON PRINT

Purple = H-9081
Blue = T-4331

38'30"



K
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K
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S
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KEKU STRAIT
DAYBEACON 20 1969

Le not visible
on 1162 or
9545

RK not visible
on 1162 or 9545

Rks not
vis. on photos

Different points
on same ledge

T-12818
1:5,000

133° 41' 00"

40' 45"

38' 45"

COMPARISON PRINT

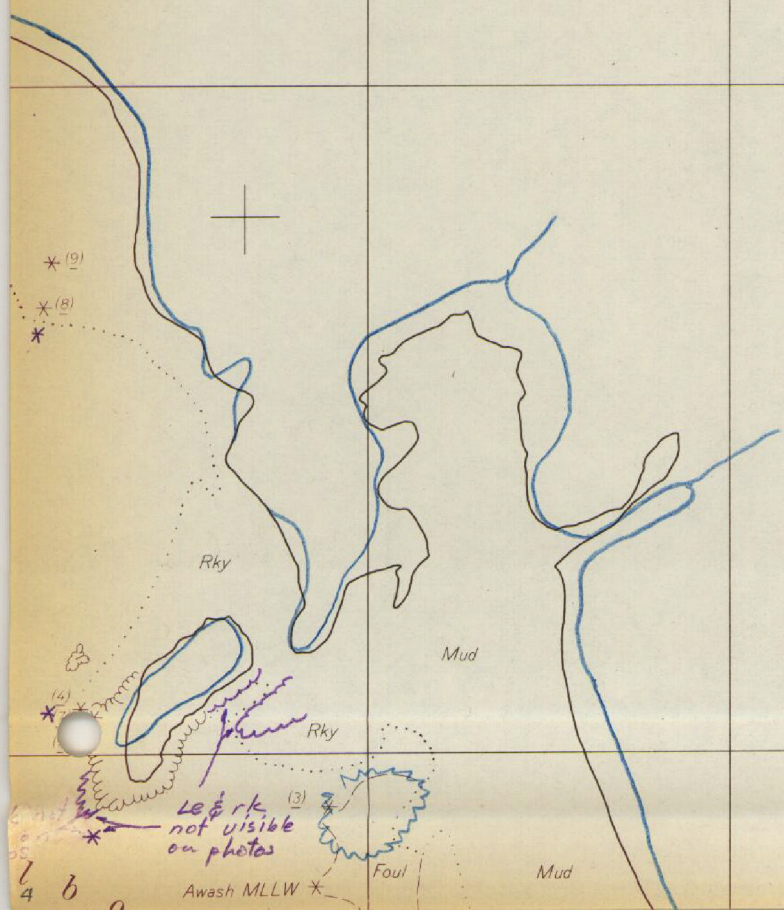
Purple = H-9081
Blue = T-4331

56° 38' 30"

64-W(C)-1162

38' 15"

T-12818
1:5,000



y=1,754,000 FT.

28

38'00"

Mud

Rky

Mud

Mud

Reef awash MLLW

NOTE:

"The photogrammetric location and delineation of features offshore from the mean high-water line on this survey may not be complete or final. The contemporary reviewed hydrographic survey of the area where available, should be consulted for the final delineation."

y=1,752,000 FT.

Kuiu Island

37'45"

Rk and Le not visible on 9544

Rk not on H-9081

MOUND 1927

Reef awash MHW

COMPARISON PRINT

Purple = H-9081
Blue = T-4331

T-12818
1:5,000

56° 37' 30"

133° 43' 05" 43' 00"

x=2,676,000 FT. 42' 45"

42' 30"

x=2,678,000 FT. 42'

Not visible on
6A W 7544
Awash MLLW
Same rk

P
R
A
I
L
S
S

RENO STATION
DAYBEACON 19 1969

Kelp
29
KEKU
DAYBEACON



COMPARISON PRINT

Purple = H-9081
Blue = T-4331

Rock awash MLLW

Rky

56°38'00"

Rks not visible on
photos

Mud

Awash MHW
Awash MHW

Not on
H-9081

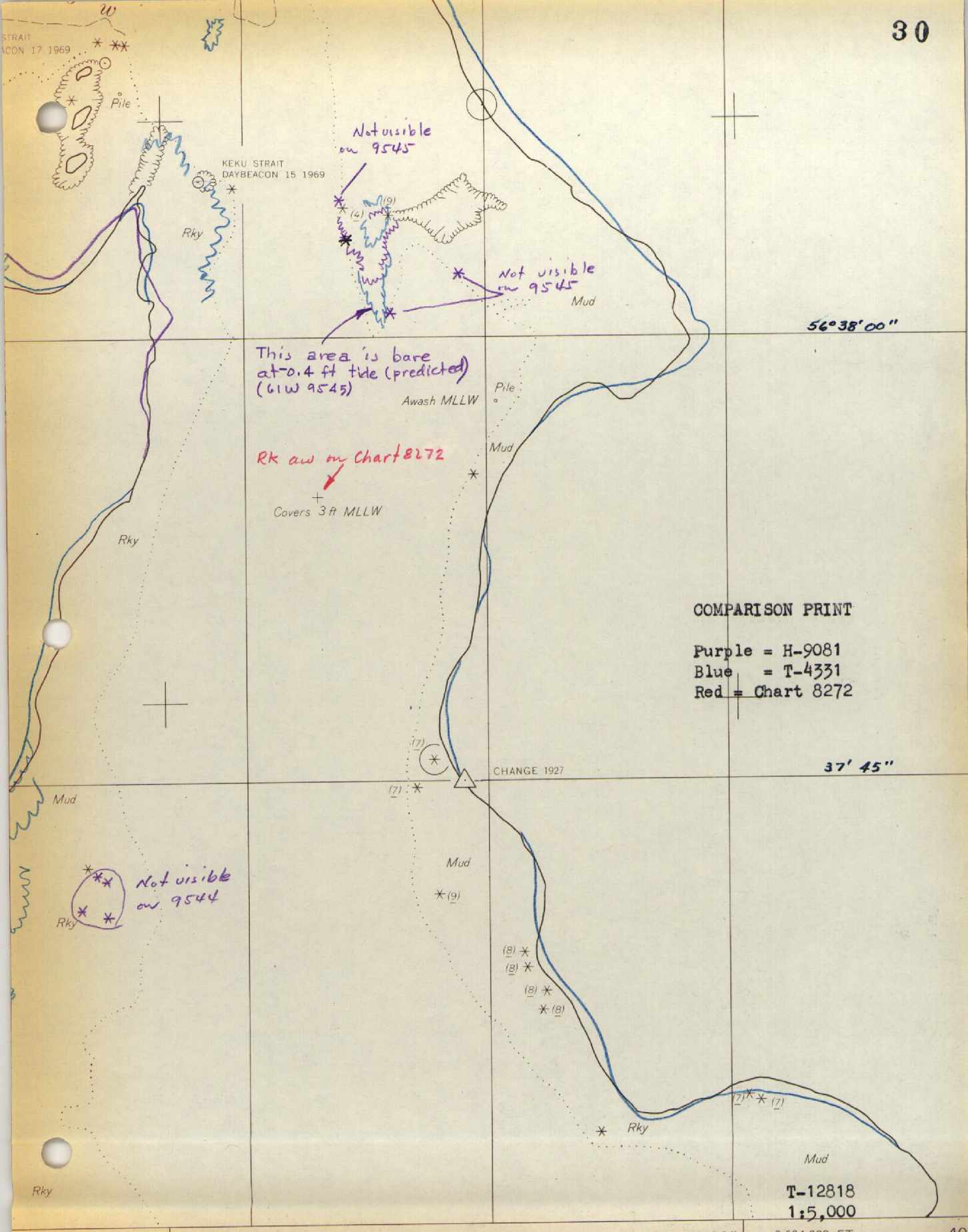
Awash MLLW

FOG 1927

Mud

Eagle Island

15" 133° 42'00" 41'45" x=2,680,000 FT. 41'30" T-12818 1:5,000 41'



STRAIT
CON 17 1969

KEKU STRAIT
DAYBEACON 15 1969

Not visible
on 9545

Not visible
on 9545
Mud

This area is bare
at 0.4 ft tide (predicted)
(61W 9545)
Awash MLLW

RK aw on Chart 8272

Covers 3 ft MLLW

COMPARISON PRINT

Purple = H-9081
Blue = T-4331
Red = Chart 8272

56° 38' 00"

37' 45"

CHANGE 1927

Not visible
on 9544

T-12818
1:5,000

15" x=2,682,000 FT. 133° 41' 00" 40' 45" 40' 30" x=2,684,000 FT. 40'