

12217

12217

| | |
|---|------------------------------|
| NOAA FORM 76-35 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY <h2 style="text-align: center;">DESCRIPTIVE REPORT</h2> | |
| Type of Survey <u>Shoreline</u> | |
| Job No. <u>PH-6206</u> | Map No. <u>T-12217</u> |
| Classification No. Field Edited | Edition No. |
| <h3>LOCALITY</h3> | |
| State <u>Alaska</u> | |
| General Locality <u>Keku Strait</u> | |
| Locality <u>No Name Bay</u> | |
| <hr/> 1961 TO 19 71 Alfred C. <u>Holmes</u> , Director, AMC | |
| <h3>REGISTRY IN ARCHIVES</h3> | |
| DATE | |

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR
TO REGISTRATION

DESCRIPTIVE REPORT - DATA RECORD

T-12217

| | | | |
|---|-------------------------------------|---|-----------------------|
| OBJECT 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 (II) (III): OFFICE SUPPLEMENT III December 19, 1967 OFFICE " IV April 14, 1970 | | | |
| METHOD OF COMPILATION (III): Wild B-8 Stereo Plotter | | | |
| MANUSCRIPT SCALE (III): 1:10,000 | | STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:20,000 Pantographed To 1:10,000 | |
| DATE RECEIVED IN WASHINGTON OFFICE (IV): | | DATE REPORTED TO NAUTICAL CHART BRANCH (IV): | |
| APPLIED TO CHART NO. | | DATE: Sept. 4, 1975 | DATE REGISTERED (IV): |
| GEOGRAPHIC DATUM (III): N.A. 1927 | | VERTICAL DATUM (III): MEAN 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 mean lower low water | |
| REFERENCE STATION (III): BOAT, 1929 | | | |
| LAT.: 56° 30' 02.136" (66.1M) | LONG.: 133° 55' 47.789" (817.6M) | <input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED | |
| PLANE COORDINATES (IV): y = 1,704,861.97 Ft. x = 2,632,452.63 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. | | | |

DESCRIPTIVE REPORT - DATA RECORD

T-12217

| | | |
|---|--|--|
| FIELD INSPECTION BY (ii): None | | DATE: |
| MEAN HIGH WATER LOCATION (iii) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation | | |
| PROJECTION AND GRIDS RULED BY (iv): J. Dempsey - Coradomat | | DATE April 10, 1970 |
| PROJECTION AND GRIDS CHECKED BY (iv): E. Homick - " | | DATE April 10, 1970 |
| CONTROL PLOTTED BY (iii): Aertriangulation - Coradomat Triangulation - Coradomat | | DATE June 11, 1970 June 11, 1970 |
| CONTROL CHECKED BY (iii): Aerotriangulation - Coradomat Triangulation - Coradomat | | DATE June 11, 1970 June 11, 1970 |
| RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (iii): Robert Fisher | | DATE Feb. 19, 1970 |
| STEREOSCOPIC INSTRUMENT COMPILATION (iii): | PLANIMETRY By: L.O. Neterer, Jr. Reviewed By: A.C. Rauck, Jr. & R. White | DATE Aug. 24, 1970 Aug. 24, & 25, 1970 |
| | CONTOURS Inapplicable | DATE |
| MANUSCRIPT DELINEATED BY (iii): L.O. Neterer, Jr. | | DATE Sept. 10, 1970 |
| SCRIBING BY (iii): F.P. Margiotta | | DATE Oct. 4, 1971 |
| PHOTOGRAMMETRIC OFFICE REVIEW BY (iii): L.L. Graves | | DATE Sept. 29, 1970 |
| REMARKS: Field Edit By: LMJG Warren K. Taguchi and Photogrammetrist Lowell O. Neterer DATE: April 1971 | | |

DESCRIPTIVE REPORT - DATA RECORD

T-12217

MERA (KIND OR SOURCE) (III):

Wild RC-8 "E"

PHOTOGRAPHS (III)

| NUMBER | DATE | TIME | SCALE | STAGE OF TIDE |
|-----------|---------------|-------|----------|------------------------------------|
| 69-E-1945 | Aug. 24, 1969 | 12:54 | 1:40,000 | ft. 8.8 _A above MLLW |
| 61-W-9454 | July 16, 1961 | 09:23 | 1:20,000 | ft. 0.5 _A below MLLW |

Predicted TIDE (III)

Diurnal

| | RATIO OF RANGES | MEAN RANGE | SPRING RANGE |
|---|-----------------|------------|----------------------------|
| REFERENCE STATION: Ketchikan, Alaska | | 13.0 | 15.4 |
| SUBORDINATE STATION: Seclusion Harbor, Alaska | | 10.2 | 12.3 |
| SUBORDINATE STATION: | | | |

Atlantic Marine Center
WASHINGTON OFFICE REVIEW BY (IV):

C.H. Bishop

DATE:

March 1973

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

RECOVERED:

IDENTIFIED:

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-12217

COMPILATION RECORD

COMPLETION DATE

REMARKS

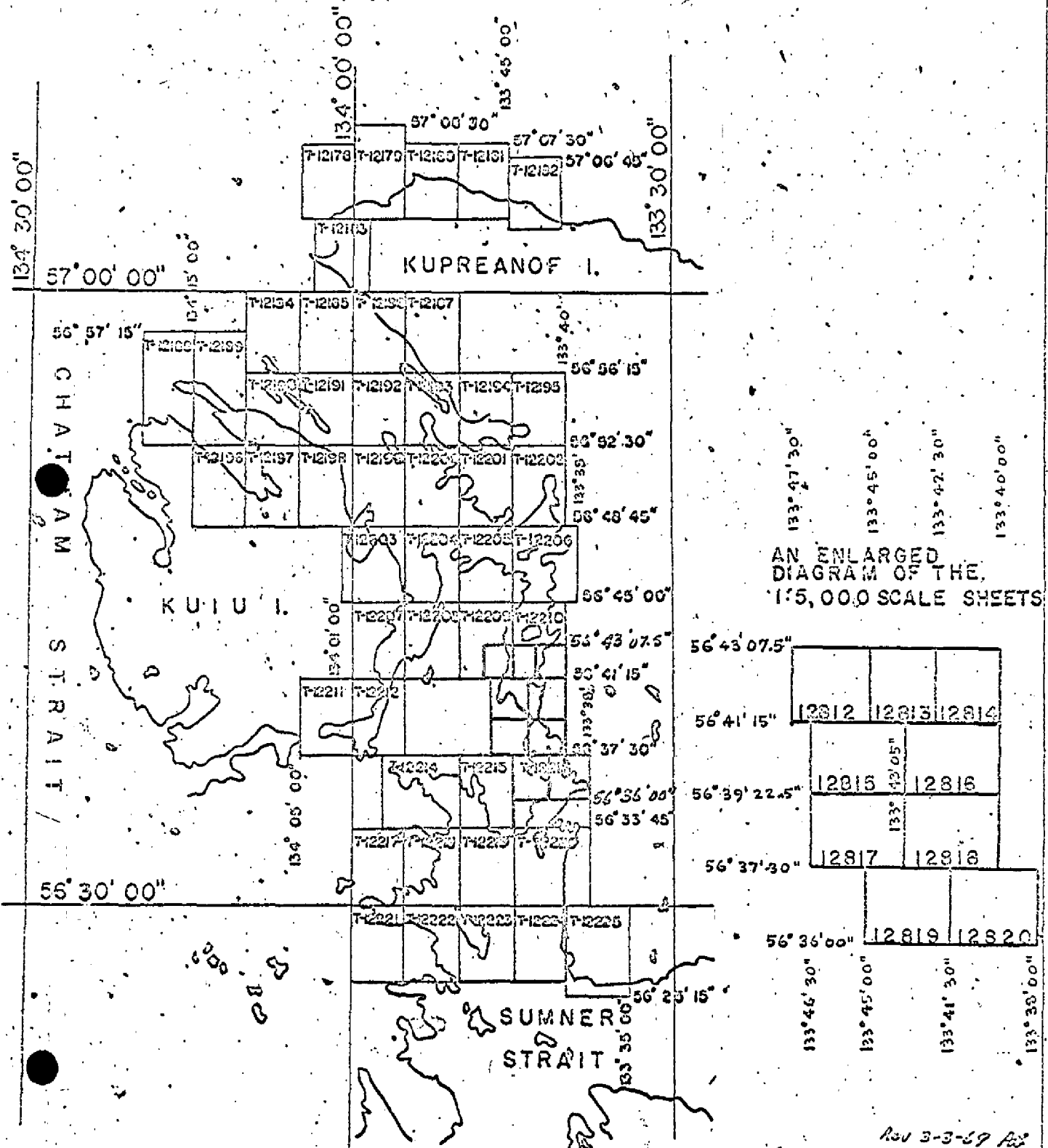
| | | |
|--|------------|------------|
| Compilation Complete Pending Field Edit | Sept. 1970 | Superseded |
| Field Edit Applied | Sept. 1971 | Superseded |
| Final Review | Mar. 1973 | |
| | | |
| | | |

SHORELINE MAPPING PROJECT

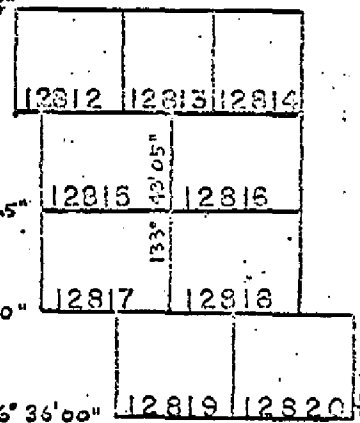
Ph-6206

KEKU STRAITS, ALASKA

SCALE 1:10,000



AN ENLARGED
DIAGRAM OF THE
1:15,000 SCALE SHEETS



Rev 3-3-59 P.S.
Rev. 9-65 R.G.
Revised 1-6-65

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12217

This 1:10,000 scale shoreline manuscript is one of 53 maps that comprise Project PH-6206, Keku Strait, Alaska. The project diagram indicates the location of T-12217 in the project.

There was no field work before compilation, except the identification of horizontal control for aerotriangulation. Compilation was by Wild B-8 methods with control based on a stereoplanigraph bridge using color photographs taken above half tide on August 24, 1969. One panchromatic low-water photograph taken in 1961 was used to compile graphically the mean lower low water line, rocks, and reefs east of Long. 133°56'. 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 1971. After application of field edit data to the map, it was scribed and reproduced on cronaflex.

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

The compilation manuscript was a vinylite sheet 3 minutes 45 seconds in latitude by 5 minutes in longitude.

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

FIELD INSPECTION REPORT

Project PH-6206

T-12 217

There was no field inspection prior to compilation.

Aerotriangulation Report
PH-6206
Keku Strait, Alaska

February 19, 1970

21. Area Covered

This project covers areas in the vicinity of Keku Strait - Kuiu Island, Alaska. T-sheets covered are as follows:

T-12203 thru T-12225
all T-sheets are at 1:10,000 scale

22. Method

Five strips were bridged to provide horizontal positions of pass points needed for compilation. Strip #12 was bridged in two parts, 12a and 12b, because of open water. Strip #14 was not bridged due to satisfactory pass point coverage from Strips 13, 15 and 16.

Strip #11 was bridged on the C-5. Strips 12a, 12b, 13, 15 and 16 were bridged on the C-8. All were adjusted by electronic computer.

Strip #11 used seven control points and a tie point in a third degree adjustment.

Strip #12a used a first degree adjustment with two control points. One tie point was available for a check.

Strip #12b used a third degree adjustment with five control points.

Strip #13 used three control points in a second degree adjustment.

Strips 15 and 16 used four control points in third degree adjustments.

All pass points, except one in Strip #16, were drilled.

Corresponding tie point values were averaged.

This project was tied through common control stations with the 1966 project in this area.

-2-

23. Adequacy of Control

Horizontal control was adequate in all strips. However station "SPIT 1927" and its subpoint appearing in both Strip #11 of this project and in Strip #1 of the adjacent "Sumner Strait" project had residual errors on the order of 15 feet in X. These errors were similar in direction and magnitude for both points and in both strips. The reason for not obtaining a better check with these points is not known.

Many control stations in this project were recovered in 1965 and pricked on 1964, 1:20,000 scale photography. The 1970 bridge was run with new 1:40,000 scale photography, therefore, much of the old control was not visible in these bridges. All 1969 identified control used in this project was targeted.

The RMS errors in fit to control for the 1969 identified control, (except "SPIT 1927") and including the 1965 identified control "ALL 1927" and "CEN 1927" were 2.5 feet in X and 1.2 feet in Y. The maximum errors were 6.8 feet in X and 3.3 feet in Y.

24. Supplemental Data

U. S. Geological Survey quadrangles were used to provide elevations for vertical adjustment of the bridges.

25. Photography

Photography was satisfactory with regards to coverage, overlap and definition.

Submitted by,

Robert E. Fisher
Robert E. Fisher
Cartographer (Photo)

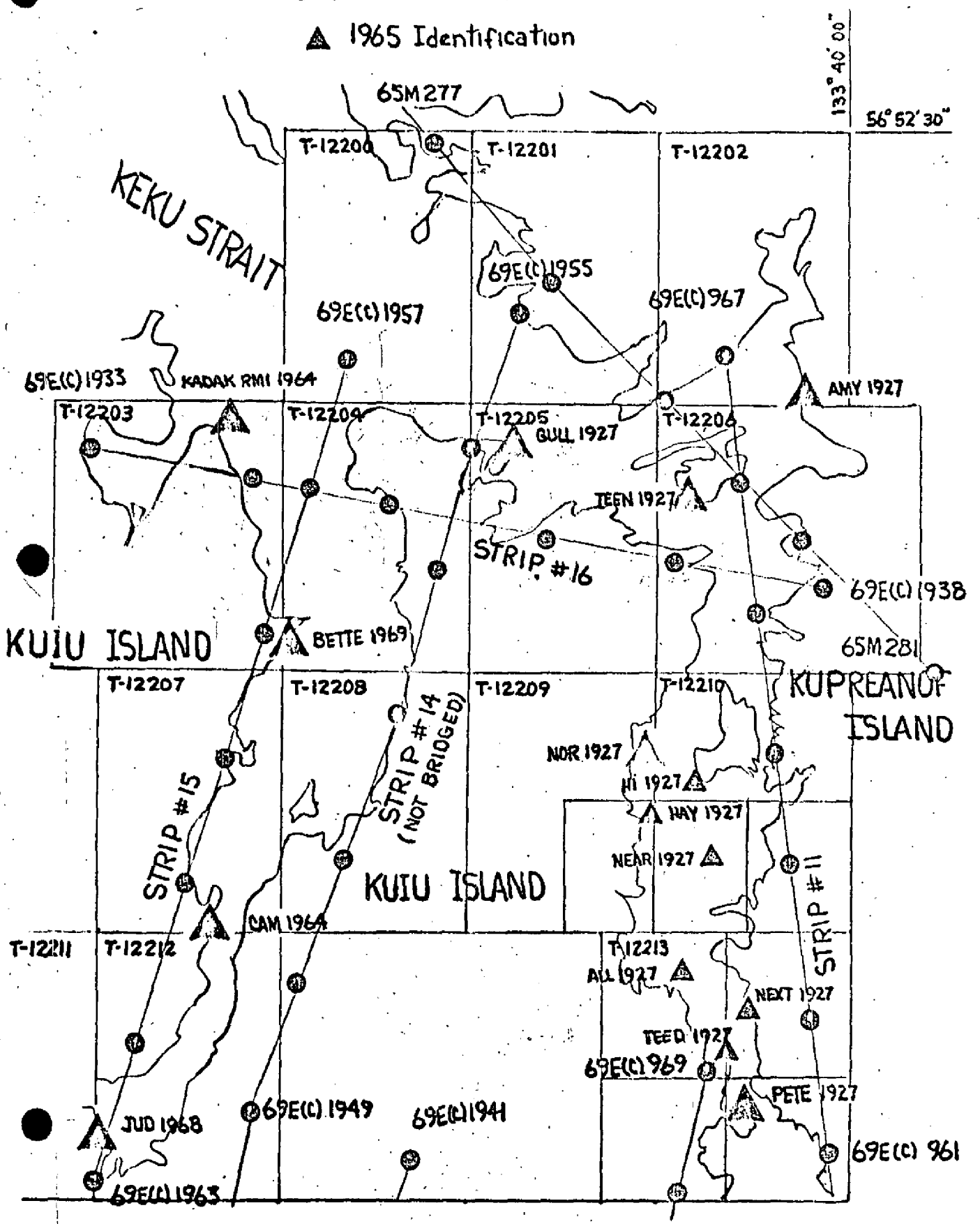
Approved and forwarded,

Henry P. Eichert
Henry P. Eichert
Chief, Aerotriangulation
Section

KEKU STRAIT ALASKA

PH 6206 FEB 1970

▲ 1969 Identification
▲ 1965 Identification



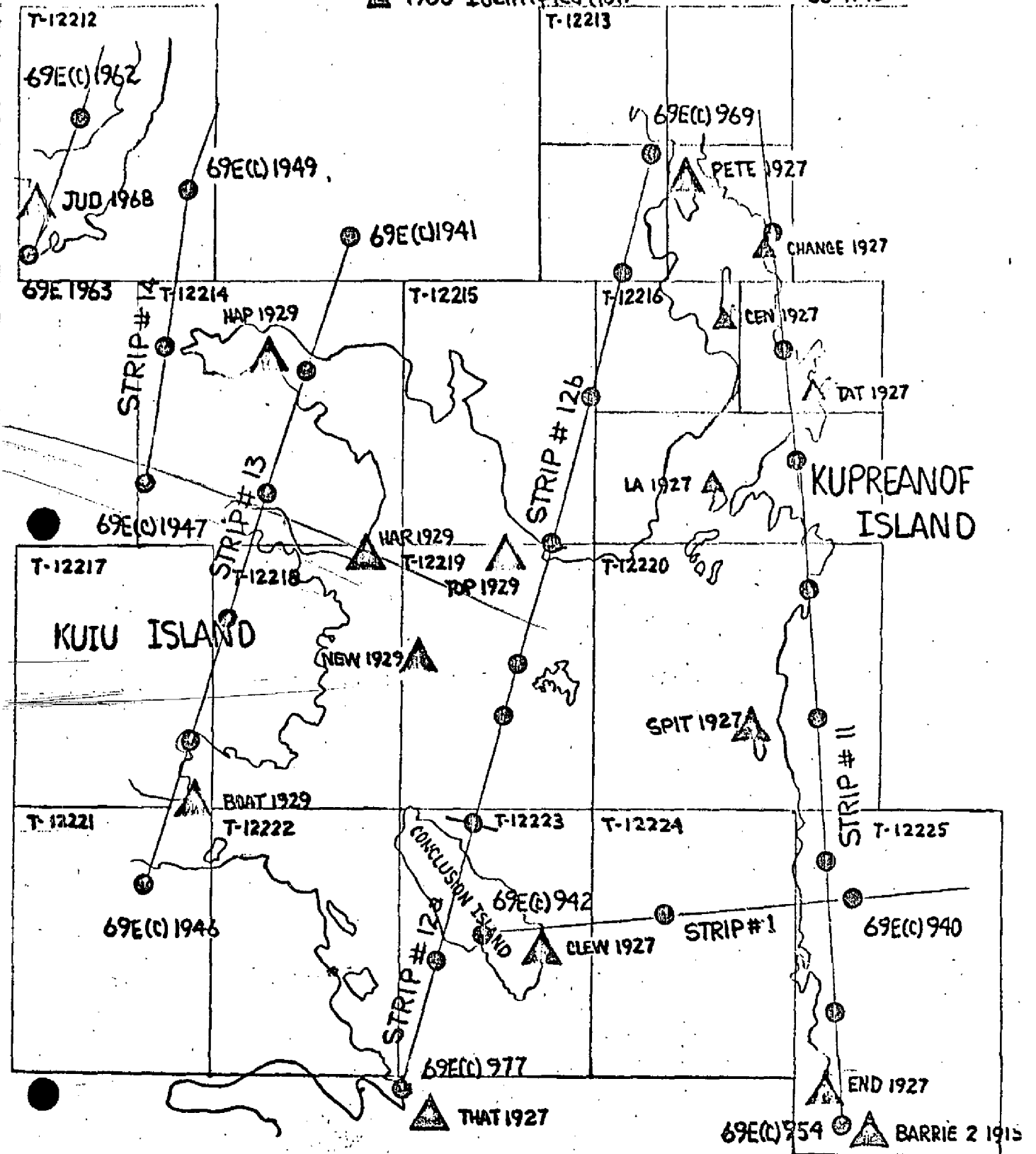
KEKU STRAIT ALASKA PH 6206

▲ 1969 Identification

▲ 1965 Identification

133° 40' 00"

56° 41' 15"



COMPILATION REPORT

T-12217

August 4, 1970

31. DELINEATION

The Wild B-8 was used to compile the mean high water line from color photography taken in 1969. There was inadequate low water photo coverage available for compilation of the mean lower low water line west of Long. 133°56'.

32. CONTROL

See Aerotriangulation Report dated February 19, 1970.

33. SUPPLEMENTAL DATA

No statement.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage was compiled from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAIL

The mean high water line was compiled from office interpretation of the 1969 color photographs. The mean lower low water line east of Long. 133° 56' was compiled from office interpretation of 1961 pan-chromatic photography taken at 0.5 foot below mean lower low water.

36. OFFSHORE DETAIL

All offshore detail was compiled from office interpretation of the photographs.

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

No statement

39. JUNCTIONS

Satisfactory junctions were made to the north with T-12214, to the east with T-12218, and to the south with T-12221. There is no contemporary survey to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

41 through 45

Inapplicable

46. COMPARISON WITH EXISTING MAPS

A comparison was made with U.S.G.S. Quadrangle PETERSBURG (C-6), ALASKA, scale 1:63,360, dated 1948 with minor revisions in 1963.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Chart 8201, scale 1:217,828, 15th edition, dated November 15, 1969, corrected through Notice to Mariners 46/69.

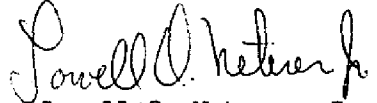
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

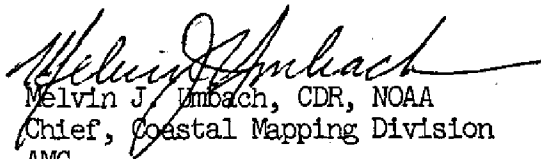
None

Submitted:




Lowell O. Neterer, Jr.
Cartographic Technician

Approved for forwarding:


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

Approved:


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

August 28, 1972

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6206

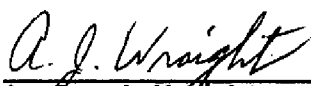
T-12217

Kuiu Island

No Name Bay

Salt Lagoon

Approved by:


A. Joseph Wright
Chief Geographer

Prepared by:


Frank W. Pickett
Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER

See Field Edit Ozalid

| | | | |
|---|---|--|--|
| FORM C&GS-1002 (9-66) | | U.S. DEPARTMENT OF COMMERCE ESSA COAST AND GEODETIC SURVEY | |
| PHOTOGRAMMETRIC OFFICE REVIEW T.12217 | | | |
| 1. PROJECTION AND GRIDS LLG | 2. TITLE LLG | 3. MANUSCRIPT NUMBERS LLG | 4. MANUSCRIPT SIZE LLG |
| CONTROL STATIONS | | | |
| 5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY LLG | 6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) XX | 7. PHOTO HYDRO STATIONS XX | |
| 8. BENCH MARKS XX | 9. PLOTTING OF SEXTANT FIXES XX | 10. PHOTOGRAMMETRIC PLOT REPORT RSC | 11. DETAIL POINTS LLG |
| ALONGSHORE AREAS (Nautical Chart Data) | | | |
| 12. SHORELINE LLG | 13. LOW-WATER LINE LLG | 14. ROCKS, SHOALS, ETC. LLG | 15. BRIDGES XX |
| 16. AIDS TO NAVIGATION XX | 17. LANDMARKS XX | 18. OTHER ALONGSHORE PHYSICAL FEATURES XX | 19. OTHER ALONGSHORE CULTURAL FEATURES XX |
| PHYSICAL FEATURES | | | |
| 20. WATER FEATURES LLG | 21. NATURAL GROUND COVER | | 22. PLANETABLE CONTOURS XX |
| 23. STEREOSCOPIC INSTRUMENT CONTOURS XX | 24. CONTOURS IN GENERAL XX | 25. SPOT ELEVATIONS XX | 26. OTHER PHYSICAL FEATURES XX |
| CULTURAL FEATURES | | | |
| 27. ROADS XX | 28. BUILDINGS XX | 29. RAILROADS XX | 30. OTHER CULTURAL FEATURES XX |
| BOUNDARIES | | | |
| 31. BOUNDARY LINES XX | | 32. PUBLIC LAND LINES XX | |
| MISCELLANEOUS | | | |
| 33. GEOGRAPHIC NAMES LLG | 34. JUNCTIONS LLG | | 35. LEGIBILITY OF THE MANUSCRIPT LLG |
| 36. DISCREPANCY OVERLAY LLG | 37. DESCRIPTIVE REPORT LLG | 38. FIELD INSPECTION PHOTOGRAPHS XX | 39. FORMS LLG |
| 40. REVIEWER L.L. Graves | | SUPERVISOR, REVIEW SECTION OR UNIT 9/29/70 | |
| 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 L.O. Neterer, Jr. Sept. 8, 71 | | SUPERVISOR A.C. Rauck, Jr. | |
| 43. REMARKS Field Edit Applied From: Field Edit Ozalid and Photos 69-E-(c)-1946 & 61-W-9453. | | | |

FIELD EDIT REPORT

SOUTH KEKU STRAIT

SOUTHEAST ALASKA

CPR - 448

APRIL 1971

INTRODUCTION

Field edit reports are attached for the following T-sheets:

| | |
|---------|-------------------------------|
| T-12214 | Mouth of Three Mile Arm |
| T-12215 | Head of Three Mile Arm |
| T-12217 | Keku Strait - No Name Bay |
| T-12218 | Seclusion Harbor |
| T-12219 | Monte Carlo Island |
| T-12221 | No Name Bay |
| T-12222 | Alvin Bay |
| T-12223 | West End of Conclusion Island |

Inspection for field edit of the shoreline, the foreshore and the offshore areas were performed in April and May 1971 by the NOAA Ship DAVIDSON's personnel with the assistance of Mr. Lowell C. Neterer Jr. from the photogrammetry branch of the Atlantic Marine Center in Norfolk.

Notes have been made on the field photographs and have been cross referenced on the field edit ozalids by photograph number. All times are on the 105° W Meridian. Reports for each individual sheet is enclosed.

Respectfully submitted,



Fidel T. Smith
LCDR. NOAA

FIELD EDIT REPORT
MAP T-12217
KEKU STRAIT - NO NAME BAY
SOUTHEAST ALASKA
APRIL 1971

Field edit of this map was performed by Ltjg. Warren K. Taguchi with the assistance of Lowell O. Neterer Jr. in April 1971. A small boat was used to visit the areas in question.

METHOD

Field photographs and a copy of the field edit ozalid were taken into the field and the areas in question visited and carefully investigated. The shoreline was inspected visually and verified by shoreline soundings in a hydro launch. The MHWL and the MLLW line appear to be accurate. Answers to the individual questions and any differences are shown on the field edit ozalid and cross referenced to a photograph. In the area in No Name Bay where there was no low water photographs some rocks awash, reefs, ledges and foul areas were located by hydrographic means on Boat Sheet DA-10-2-71 and are shown on the field edit ozalid and cross referenced to the boat sheet. A copy of the boat sheet will be sent to AMC when available. All times are based on the 105° W meridian. Notes are on the following photographs:

69-E-1946
61-W-9453

ADEQUACY OF COMPILATION

Compilation of the map is good. Hydrographic location of rocks awash, boulders and occasional ledge limits agree with photogrammetric locations. Field edit of this map is complete.

RECOMMENDATIONS

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

Respectfully submitted,

Warren K. Taguchi
70 Warren K. Taguchi
Ltjg. NOAA

Lowell O. Neterer Jr.
Lowell O. Neterer Jr.
Photogrammetrist

APPROVAL SHEET

Field Edit

South Keku Strait

Southeast Alaska

OPR - 448

April 1971

The field work on this edit was accomplished
under my supervision.



Ray E. Moses
CDR. NOAA
Commanding Officer
NOAA Ship DAVIDSON

REVIEW REPORT T-12217

SHORELINE

March 20, 1973

61. GENERAL STATEMENT

See Summary, which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

No registered topographic surveys were available for comparison. T-12217 supersedes all previous surveys for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with U.S.G.S. Quadrangle PETERSBURG (C-6), scale 1:63,360, dated 1948. Significant differences are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with Survey No. H-9214, scale 1:10,000, dated 1971. Unresolved differences between this survey and T-12217 are shown in purple on the comparison print.

65. COMPARISON WITH NAUTICAL CHARTS

The scale (1:217,828) of Chart 8201, which is the largest scale chart covering the area, was considered too small for an adequate comparison; none was made.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with job instructions and meets the requirements of 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

133°59'60"

58'30"

58'00"

57'30"

23

56°31'00"

COMPARISON PRINT

Purple = H-9214

Brown = U.S.G.S.

Numerous trees fall across shoreline

30'30"

Gravel and mud

Not visible on 1945

Not visible on Photo 69 E(c) 1945

NO NAME BAY

Not visible on 1945

56°30'00"

133°59'00"

58'30"

x=2,625,000 FT.

58'00"

133°57'30"

H-6206

43'05" 133°40'00"

T-12818 133°38'00"

56°37'30"

2819 T-12820 56°36'00"

41'30"

2216 56°33'45"

NOTE: Unlabeled circles are photogrammetric plot points; not map features

LEGEND

Rock ledge

T-12217

1:10,000

31'00"

y=1,710,000 FT

of features
survey
temporary
available,
on."

Gravel and pebbles

Rocky

69-E(C)-1945

COMPARISON PRINT

Purple = H-9214
Brown = U.S.G.S.

NO NAME BAY

30'30"

LIMITS OF LOW WATER PHOTOGRAPHY

Not visible on
Photo 69 EE(1) 1945

Not visible
on 1945

(8) *

* Awash MHW

* Awash MHW

BOAT, 1929

y=1,705,000 FT

56°30'00"

= 2,630,000 FT.

56'30"

56'00"

55'30"

x=2,635,000 FT.

133°55'00"

able horizontal control station of third-order or higher accuracy
date mean lower low-water line
y shoreline defines the approximate mean high water.
d by photogrammetric methods, from aerial photographs
Photos July 1961 Aug. 1969
Field Inspection None
Field Edit April 1971
Final Compilation Jan. 1972
Final Review March 1973

NATIONAL OCEAN SURVEY
SHORELINE MANUSCRIPT
T-12217
ALASKA
KEKU STRAIT
NO NAME BAY

SCALE 1:10,000

(1 inch = 833.33 ft.)

CONTROL DATA

Polyconic projection: 1927 North American datum