

11935

Diag. Cht. No. 4116.

| | |
|--|-----------------------------|
| Form 504 | |
| U. S. DEPARTMENT OF COMMERCE | |
| COAST AND GEODETIC SURVEY | |
| DESCRIPTIVE REPORT | |
| Type of Survey | SHORELINE (PHOTOGRAMMETRIC) |
| Field No. | Ph-6012 |
| Office No. | T-11935 |
| LOCALITY | |
| State | Hawaii |
| General locality | Maui Island |
| Locality | Pakowai Point - Huakini Bay |
| 1961-1963 | |
| CHIEF OF PARTY | |
| H. J. Seaborg, Honolulu District Office | |
| W. E. Randall, Baltimore District Office | |
| LIBRARY & ARCHIVES | |
| DATE | 1967 |

USCOMM-DC 5087

925 21 - 70/63

11935

DESCRIPTIVE REPORT - DATA RECORD

T -11935

PROJECT NO. (II):

PH-6012
(21034)

FIELD OFFICE (II):

Honolulu District Office

CHIEF OF PARTY

H. J. Seaborg

PHOTOGRAMMETRIC OFFICE (III):

Baltimore District Office

OFFICER-IN-CHARGE

William E. Randall

INSTRUCTIONS DATED (II) (III):

14 November 1960
28 November 1960
13 June 1961
16 January 1962

METHOD OF COMPILATION (III):

Kelsh Plotter

MANUSCRIPT SCALE (III):

1:5,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:5,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):

VERTICAL DATUM (III):

MEAN SEA LEVEL EXCEPT AS FOLLOWS:

DESCRIPTIVE REPORT - DATA RECORD

| | | |
|--|------------------------------|------------------------|
| FIELD INSPECTION BY (II): J. C. Lajoie | | DATE: 1961-1962 |
| MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): By Kelsh Instrument from annotations on Field Photographs | | |
| PROJECTION AND GRIDS RULED BY (IV): R.A.C. | | DATE 12-7-60 |
| PROJECTION AND GRIDS CHECKED BY (IV): J.O.C. | | DATE 12-7-60 |
| CONTROL PLOTTED BY (III): L. A. Senasack | | DATE 2-26-62 |
| CONTROL CHECKED BY (III): L. O. Neterer | | DATE 2-26-62 |
| RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. E. Fuechsel | | DATE 1961 |
| STEREOSCOPIC INSTRUMENT COMPILATION (III): | PLANIMETRY J.D.M. | DATE 4-4-62 |
| | CONTOURS Inapplicable | DATE |
| MANUSCRIPT DELINEATED BY (III): J. D. Mc Evoy | | DATE April 1964 |
| SCRIBING BY (III): | | DATE |
| PHOTOGRAMMETRIC OFFICE REVIEW BY (III): D. M. Brant | | DATE April 1964 |
| REMARKS: FIELD EDIT - 1963 | | |

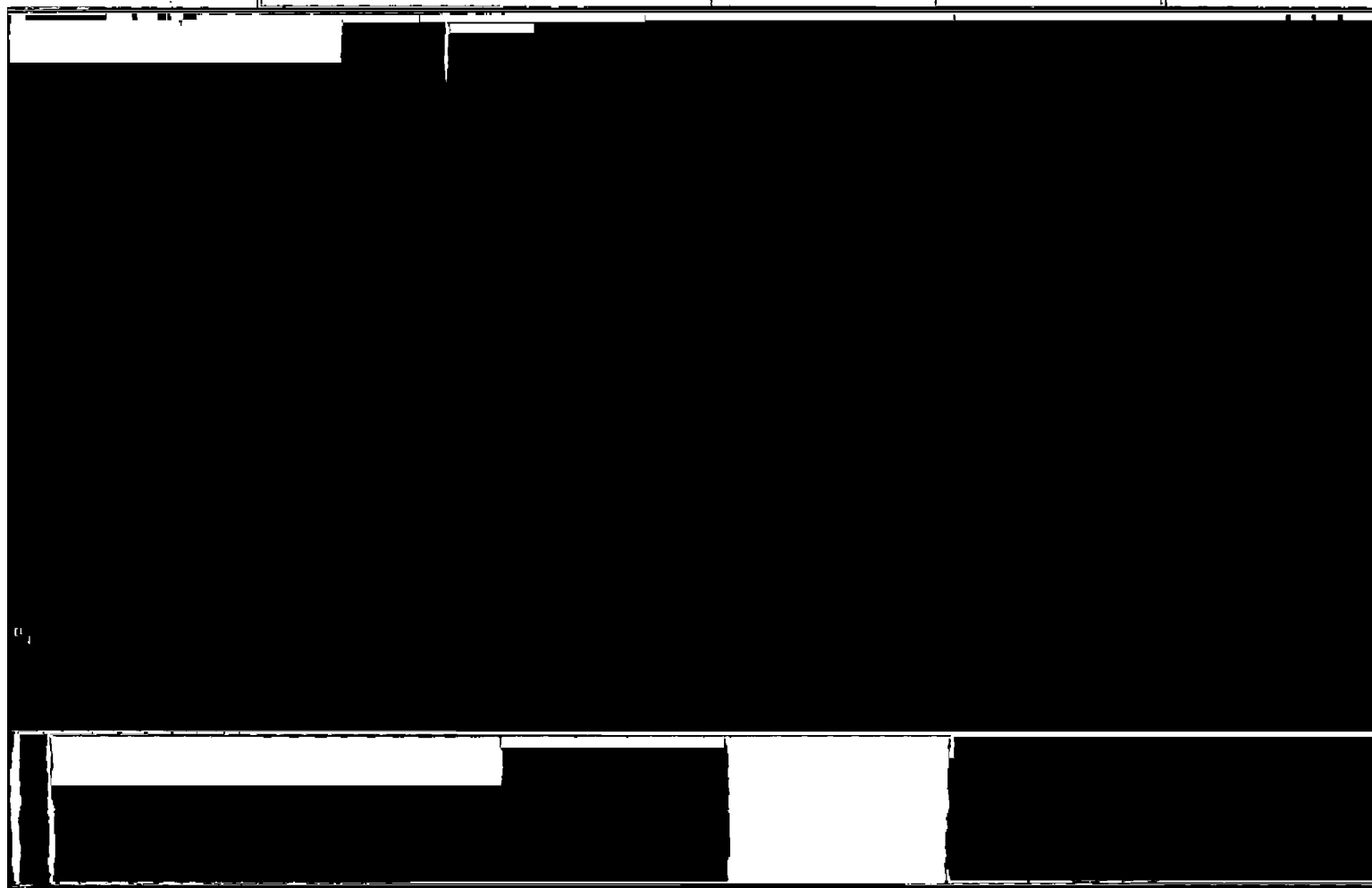
4.

COMPILATION RECORD

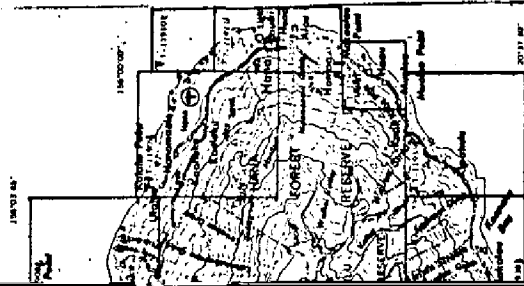
COMPLETION DATE

REMARKS

| | | |
|-------------------------------|-------------|------------|
| Shoreline furnished for hydro | April, 1962 | Superseded |
| Compilation Completed | Jan. 1964 | |
| | | |



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ANNEX 1

DE FOR COST ACCOUNTS

| Reline (Miles) | Area (Sq. Miles) |
|-------------------|---------------------|
| 2.5 | 1.5 |
| 4.5 | 12 |
| 5 | 8 |
| 2.7 | 3 |
| 2.5 | 4 |
| 5 | 4 |
| 5 | 6 |
| 4.5 | 3 |

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11935

Shoreline manuscript T-11935 covers a part of the shoreline of the southern coast of Maui Island, Hawaii; in the vicinity of Hakini Bay. This is one of forty-nine similar maps in the area compiled by Kelsh plotter methods, primarily to obtain new shoreline for nautical charts and to provide photo-hydro support data.

Field operations preceding Aerotriangulation and compilation included field inspection, selection of photo-hydro signal sites and recovery and identification of horizontal control.

Kelsh compilation was at 1:5,000 scale from 1:15,000 scale panchromatic photography obtained September 25th, 1961 supplemented by 1:10,000 scale color photography of the same date.

A cronaflex copy of the map manuscript showing shoreline, alongshore detail and shoreline pass points was furnished for preparation of the hydrographers boat sheet. 1:5,000 scale ratio photographs were provided for the location of photo-hydro signals and field edit purposes.

The compilation manuscript is a vinylite sheet from which the smooth sheet was drafted and reproduced on cronaflex. One cronar positive and one cronar negative are provided for record and registry.

FIELD INSPECTION REPORT
T-11935

Please refer to the field inspection report for Maui Island, Hawaii
bound with the Descriptive Report for T-11894.

PHOTOGRAMMETRIC PLOT REPORT
ISLAND OF MAUI (EAST HALF)
HAWAII


Project PH-6812⁰
February 1962

21. AREA COVERED

T-11905 through T-11911; T-11929 through T-11939;
T-11989 through T-11992

22. METHOD

Six stereoplanigraph bridges, designated as strips #6
through #13, were run in order to provide pass points for
#12 in Kalahe compilation of the project. Additional



PUHILELE-SUB A is entirely one of interpretation. In strip #8, two different possible positions for the point were read, one of which held in bridging, and the other failed to hold. In strip #9, the single position read for the point failed to hold. The number and geographical location of other control in this area is such that this station may be disregarded.

No specific cause has been found for the failure of MAKAAALAE-SUB B to hold. Its companion sub. pt. held, and therefore, SUB B may be disregarded.

The sub. pts. of PUUHINAI 2 had a questionable starting azimuth due to the lack of agreement among several solar azimuth observations. The sub. points did not hold in the adjustment.

24. SUPPLEMENTAL DATA

None

25. PHOTOGRAPHY

The photography used in bridging was adequate in all respects.

Submitted by

Robert E. Fuechsel
Robert E. Fuechsel

Approved

Everett H. Ramey
Everett H. Ramey, Chief
Aerotriangulation Section

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COMPILATION REPORT
PROJECT PH-6012 (21034)
MAP MANUSCRIPT T-11935

ITEMS 31 THRU 36

Please refer to the Compilation Report for T-11934

37. LANDMARKS AND AIDS

There are no landmarks or nonfloating aids to navigation within the limits of this map.

38. CONTROL FOR FUTURE SURVEYS

No supplemental control for future surveys was established.

39. JUNCTIONS

Satisfactory junctions were made with T-11934 on the west and with T-11936 on the east. Alenuihaha Channel is on the south; there is no contemporary survey on the north.

40. HORIZONTAL AND VERTICAL ACCURACY

Please refer to the Photogrammetric Plot Report bound with the Descriptive report for T-11894.

ITEMS 41 THRU 45

Inapplicable

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. Quadrangles Lualailua Hills and Kaupo, Hawaii, 1957 editions at scales of 1:24,000.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 4116, 1:250,000 scale, 11th edition, April 16, 1941, Revised January 9, 1961.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Respectfully submitted:

Joseph Steinberg
For: Donald M. Brant
Carto. (Photo.)

Approved and forwarded:

J. Bull
for J. Bull
Capt. U.S.C. & G.S.
Norfolk Regional Officer

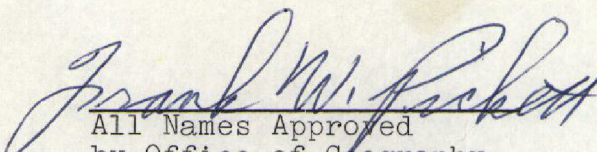
GEOGRAPHIC NAMES

Ph 6012

T-11935

Alelele Stream
 Apole Point
 Elialii Gulch
 Halekii Point
 Hawelewele Gulch
 * Huakini Bay
 Kailio Point
 Kalama Bay
 Kalepa Gulch
 Kalepa Point
 Kamanawa Bay
 Kamanawa Point
 Kaupo
 Kepio Point
 Koukouai Gulch
 Kukuiula Gulch
 Lapehu Point
 Lelekea Stream
 Maalo Gulch
 Makaakini Point
 Mamalu Bay
 Manawainui Stream
 Mikimiki Gulch
 Mokuia Point
 Mokulau
 Mokulau Landing
 Nonou Bay

Nuanualoa Gulch
 Nuū
 Nuū Bay
 Nuū Landing
 * Pahihi Gulch
 * Pakowai Point
 * Poopoo Gulch
 Pukaauhuhu
 Punahoa Spring
 Puu Maneoneo
 * Wailaulau Gulch
 * Waiopai Gulch
 Waiu Bay
 Waiuha Bay
 Waiu Spring


 All Names Approved
 by Office of Geography

Approved 1-20-66
 A. J. Wright

* only these names appear on this manuscript

49. NOTES TO THE HYDROGRAPHER

The positions of the following photo-hydro signals, identified by the field inspection party, were established during compilation.

| | | |
|------|---------------------------------|-----------|
| 3501 | Flag at N.E. corner of wall | 60 W 2294 |
| 3502 | Flag on gate post at corral | 60 W 2294 |
| 3503 | Flag at S.E. corner of old wall | 60 W 2294 |
| 3504 | Flag at S.E. corner, old wall | 60 W 2294 |
| 3505 | Flag at east end of brush | 60 W 2294 |
| 3506 | Rag on bush, south of two | 60 W 2294 |

| | | | | | |
|---|--|---|--|--|----------------------------------|
| FORM 182 (2-51) | | PHOTOGRAMMETRIC OFFICE REVIEW T11935 | | U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY | |
| 1. PROJECTION AND GRIDS DMB | | 2. TITLE DMB | | 3. MANUSCRIPT NUMBERS DMB | 4. MANUSCRIPT SIZE DMB |
| CONTROL STATIONS | 5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY DMB | | 6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) NONE | | |
| | 7. PHOTO HYDRO STATIONS DMB | 8. BENCH MARKS NONE | 9. PLOTTING OF SEXTANT FIXES NONE | 10. PHOTOGRAMMETRIC PLOT REPORT DMB | |
| | 11. DETAIL POINTS DMB | | | | |
| ALONGSHORE AREAS (Nautical Chart Data) | 12. SHORELINE DMB | 13. LOW-WATER LINE NONE | 14. ROCKS, SHOALS, ETC. DMB | 15. BRIDGES NONE | |
| | 16. AIDS TO NAVIGATION DMB | 17. LANDMARKS DMB | 18. OTHER ALONGSHORE PHYSICAL FEATURES DMB | | |
| | 19. OTHER ALONGSHORE CULTURAL FEATURES DMB | | | | |
| PHYSICAL FEATURES | 20. WATER FEATURES DMB | | 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 DMB | | | | |
| CULTURAL FEATURES | 27. ROADS DMB | 28. BUILDINGS DMB | 29. RAILROADS NONE | | |
| | 30. OTHER CULTURAL FEATURES DMB | | | | |
| BOUNDARIES | 31. BOUNDARY LINES NONE | | 32. PUBLIC LAND LINES NONE | | |
| | | | | | |
| MISCEL- LANEOUS | 33. GEOGRAPHIC NAMES DMB | | | 34. JUNCTIONS DMB | |
| | 35. LEGIBILITY OF THE MANUSCRIPT DMB | 36. DISCREPANCY OVERLAY DMB | | 37. DESCRIPTIVE REPORT DMB | |
| | 38. FIELD INSPECTION PHOTOGRAPHS DMB | | 39. FORMS DMB | | |
| | SIGNATURE OF REVIEWER For: D.M. Brant <i>Joseph Steinberg</i> | | | SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT <i>Joseph Steinberg</i> | |
| 40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT - Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side. | | | | | |
| SIGNATURE OF COMPILER | | | SIGNATURE OF SUPERVISOR <i>Joseph Steinberg</i> | | |

FIELD EDIT REPORT
T-11935

No formal field edit report was received. Please refer to the letter concerning field edit of this quadrangle, a copy of which is the following page of this report.

Memorandum

24 16

TO : The Director
Coast and Geodetic Survey
U.S. Department of Commerce
Washington 25, D.C.

DATE: 8 July 1963

FROM : Commanding Officer
USCGC Pathfinder
705 Federal Office Building
Seattle, Washington

SUBJECT: Field Edit Report - QPR-419

During the first half of the 1963 field season, Pathfinder personnel field edited the manuscripts listed below for accuracy and completeness. All recommended changes have been noted on the baseline impressions in red and green ink. In general, the manuscripts were found to be very reliable with only minor discrepancies being noted.

Four manuscripts with noted changes are being forwarded to the Washington Office on July 9. Those manuscripts with no recommended changes have been noted below. The remaining manuscripts will be forwarded as soon as we have had an opportunity to compare them with the boat sheets now in Washington for photographing.

| | |
|---------|----------------------------------|
| T-11905 | Edited - No changes |
| T-11906 | Edited - Will be forwarded later |
| T-11907 | Edited - Will be forwarded later |
| T-11908 | Edited - Will be forwarded later |
| T-11909 | Edited - Will be forwarded later |
| T-11910 | Edited - Will be forwarded later |
| T-11911 | Edited - Will be forwarded later |
| T-11912 | Forwarded 9 July |
| T-11931 | Edited - No recommended changes |
| T-11932 | Edited - No recommended changes |
| T-11933 | Edited - No recommended changes |
| T-11935 | Forwarded 9 July |
| T-11936 | Forwarded 9 July |
| T-11937 | Forwarded 9 July |
| T-11991 | Edited - Will be forwarded later |
| T-11992 | Edited - Will be forwarded later |

It is requested that these manuscripts be returned to the Ship as soon as is practical as they will be needed for smooth plotting.

H. J. Schberg
Captain, USCGC

REVIEW REPORT T-11935
SHORELINE
March 22, 1966

61. GENERAL STATEMENT

See summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

The manuscript was compared with Registered Planetable survey 3276, 1:20,000 scale, made in 1912 and approved March 30, 1914.

Map manuscript T-11935 supersedes the planetable survey and should be used for all future nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S.G.S. quadrangles Kaupo and Lualailua Hills, Hawaii, 1:24,000 scale, editions of 1957. The shoreline of the quadrangles and manuscript T-11935 are in good general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

None. See notes to Verifier. (Page 19)

65. COMPARISON WITH NAUTICAL CHARTS

Chart 4116 at 1:250,000 scale is the only chart that covers the area. A visual comparison with this chart disclosed no major discrepancies.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

There are no recommendations for future surveys.

Reviewed by:

Leo F. Beugnet
Leo F. Beugnet

Approved by:

J. Bull
J. Bull
Director, Atlantic Marine Center

Approved by:

Charles Lamer
Chief, Cartographic Branch, *add*
Photogrammetric

Chief, Chart Division

L. F. Woodcock
Chief, Photogrammetry Division

Chief, Operations Division

NOTES TO VERIFIER

No contemporary hydrographic survey, in the area of this manuscript, was available at the time of Final Review.

A note on the "Comparison Print" indicates that the contemporary hydro survey and the new map were compared during the subject final review.

Hydro Survey field edit information was applied to the manuscript - Refer to pages 14 through 16 of this report.

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