| Type of Survey | SHORELINE (PHOTOGRAMMETRIC) |
| Field No. | Office No. T-11899 |
| Localities |  
| State | Hawaii |
| General locality | Maui Island |
| Locality | Waiehu |
| Dates | 1960 - 1961 |
| Chief of Party | H. J. Seaborg, Honolulu District Office |
| | W. E. Randall, Baltimore District Office |

| Library & Archives |
| Date |  

USCOM-OC 5087
# DESCRIPTIVE REPORT - DATA RECORD

**T-11899**

**PROJECT NO. (III):**  
PH 6012  
(21034)

**FIELD OFFICE (III):**  
Honolulu, Hawaii

**CHIEF OF PARTY**  
H. J. Seaborg

**PHOTOGRAMMETRIC OFFICE (III):**  
Baltimore, Maryland

**OFFICER-IN-CHARGE**  
W. E. Randall

**INSTRUCTIONS DATED (III) (IV):**  
- 11 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):**

- Old Hawaiian

**VERTICAL DATUM (III):** NAVD 88  

*Elevations shown as (35') refer to mean high water  
Elevations shown as (3) refer to sounding datum  
i.e., mean low water or mean lower low water*

**REFERENCE STATION (III):**  
TUG, 1912

**LAT.:**

- 20° 55' 46.278"

**LONG.:**

- 156° 29' 52.676''

**PLANE COORDINATES (IV):**

- X = 216,570.89 Ft.  
- Y = 557,573.94 Ft.

**STATE:**

- Hawaii

**ZONE:**

- 2

**ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (III) 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

**Field Inspection By (iii):**  
J. C. Lajoye  
**Date:** Feb. 1961

**Mean High Water Location (iii) (State Date and Method of Location):**  
Located by Kelsh Plotter from field inspection photograph annotations.

**Projection and Grids Ruled By (iv):**  
R.A. C.  
**Date:** 11/14/60

**Projection and Grids Checked By (iv):**  
J. D. C.  
**Date:** 11/22/60

**Control Plotted By (iii):**  
D. M. Brant  
**Date:** 1/24/61

**Control Checked By (iii):**  
H. P. Eichert  
**Date:** 1/24/61

**Radial Plot or Stereoscopic Control Extension By (iii):**  
Aerotriangulation - Washington Office  
**Date:** 1960

**Stereoscopic Instrument Compilation (iii):**  
- **PlaneIMetry:**  
  J. D. Mc Evoy  
  **Date:** Feb. 1961  
- **Contours:**  
  Inapplicable  
  **Date:**

**Manuscript Delineated By (iii):**  
J. D. Mc Evoy  
**Date:** Aug. 1961

**Scribing By (iii):**  
J. D. Mc Evoy  
**Date:**

**Photogrammetric Office Review By (iii):**  
D. M. Brant  
**Date:** Aug. 1961

**Remarks:**  
Field Edt May 1961 J.C. Lajoye  
Note: No Field Edit Sheet Submitted
### DESCRIBITIVE REPORT - DATA RECORD

**Camera (Kind or Source) (III):**

*M* Camera

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<tbody>
<tr>
<td>NUMBER</td>
<td>DATE</td>
<td>TIME</td>
<td>SCALE</td>
<td>STAGE OF TIDE</td>
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<tr>
<td>60 W 2624 &amp; 2625</td>
<td>10 Oct. 1960</td>
<td>0927</td>
<td>1:25,000</td>
<td>0.4 ft. above MHW</td>
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Stage of tide computed from Tide Tables.

### TIDE (III)

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<tr>
<td>REFERENCE STATION:</td>
<td>Honolulu, Hawaii</td>
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<tr>
<td>SUBORDINATE STATION:</td>
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<tr>
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<th>Ratio of Ranges</th>
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<tr>
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<td>WASHINGTON OFFICE REVIEW BY (IV):</td>
<td>Leo F. Beugnet, Norfolk Regional Office</td>
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<td>DATE:</td>
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**NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III):**

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**NUMBER OF BM(S) SEARCHED FOR (III):**

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<tr>
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**NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):**

None

**NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):**

None

**REMARKS:**


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<tr>
<th>Compilation Record</th>
<th>Completion Date</th>
<th>Remarks</th>
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<tr>
<td>Shoreline furnished for hydro</td>
<td>Feb. 1961</td>
<td>Superseded</td>
</tr>
<tr>
<td>Final Compilation Completed</td>
<td>Sept. 1963</td>
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SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11899

Shoreline survey T-11899, compiled at 1:5,000 scale, covers part of the coastline of Maui Island, Hawaii northwest of Kahului Harbor. The primary purpose of the survey, along with the other surveys in this project, was to provide new shoreline and along-shore details for nautical charts and photo-hydro support data for location of hydrographic signals.

Field work preceding compilation included recovery and identification of horizontal control and field inspection. No hydrographic signals were pre-selected.

Compilation was by Kelsh Plotter methods using the 1:25,000 scale panchromatic photography obtained October 16th, 1960 and control established by Aerotriangulation. A cronaflex copy of the manuscript (reduced to 1:10,000 scale) was furnished for preparation of the boat sheet. 1:5,000 and 1:10,000 scale ratio prints were provided for the location of hydrographic signals and for field edit purposes.

The manuscript is a vinylite sheet from which the smooth sheet was drafted and reproduced. A cronar positive and a cronar negative are provided for record and registry.
FIELD INSPECTION REPORT
T-11899

Please refer to the Field Inspection Report for Maui Island, Hawaii which is bound with the Descriptive Report for T-11899.
PHOTOGRAMMETRIC PLOT REPORT
T-11899

Please refer to the Photogrammetric Plot Report for the Western part of Maui Island which is bound with the Descriptive Report for T-11899.
COMPILATION REPORT T-11899

For additional data pertaining to this manuscript please refer to the Field Inspection Report for Maui Island bound with T-11896 and the Photogrammetric Plot Report bound with T-11894.

ITEMS 31 THRU 36

Please refer to the compilation report bound with T-11896.

37. LANDMARKS AND AIDS

There are no landmarks, aids to navigation or aeronautical aids within the compilation limits of this manuscript.

38. CONTROL FOR FUTURE SURVEYS

No topographic or photo-hydro stations were established.

39. JUNCTIONS

Satisfactory junctions were made with T-11898 on the north and with T-11900 on the south. There is no contemporary survey on the west; the Pacific Ocean is on the east.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. Wailuku, Hawaii quadrangle, 1:24,000 scale, edition of 1955.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with the following charts:

h116 - 1:250,000 scale - 12th edition, August 17, 1964
h124 - 1:30,000 scale - 3rd edition, May 3, 1965
h130 - 1:80,000 scale - 4th edition, August 31, 1964
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:

J. Bell, CAPT., USESSA
Director, Atlantic Marine Center
43. Geographic Names List

Iao Stream
Kalera Gulch
Nehe Point
Paukukalo
Waiehu
Waiehu Point
Waiehu Stream
Waihee Reef

Kalepa Gulch
Kahului Bay

These two names appear on the original Geographic Names Sheet and appear on this manuscript.
49. NOTES TO THE HYDROGRAPHER

There are no notes to the hydrographer to accompany this survey.
### Photogrammetric Office Review

<table>
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<th>Item</th>
<th>Title</th>
<th>Manuscript Numbers</th>
<th>Manuscript Size</th>
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<tr>
<td>4.</td>
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#### Control Stations
- **5. Horizontal Control Stations of Third-Order or Higher Accuracy** | **6. Recoverable Horizontal Stations of Less Than Third-Order Accuracy** (Topographic Features) | **7. Photo Hydro Stations** | DMB | NONE | DMB |

#### Bench Marks

#### Alongshore Areas (Nautical Chart Data)
- **16. Aids to Navigation** | **17. Landmarks** | **18. Other Alongshore Physical Features** | **19. Other Alongshore Cultural Features** | DMB | DMB | DMB | DMB |

#### Physical Features

#### Cultural Features

#### Boundaries
- **31. Boundary Lines** | **32. Public Land Lines** | NONE | NONE |

#### Miscellaneous
- **33. Geographic Names** | **24. Judges List** | **35. Legibility of the Manuscript** | DMB | DMB | DMB | DMB |
- **36. Discrepancy Overlay** | **37. Descriptive Report** | **38. Field Inspection Photographs** | **39. Forms** | DMB | DMB | DMB | DMB |
- **40. Reviewer** | **Supervisor, Review Section or Unit** | Joseph Steinberg |

#### Remarks (See attached sheet)

**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 under item 43.

**Compiler**

- Joseph Steinberg

**Supervisor**

- Joseph Steinberg

**Remarks**
FIELD EDIT REPORT
T-11899

Please refer to the Field Edit Report for Maui Island, Hawaii, strips 1 through 7, which is bound with the Descriptive Report for T-11894.
61. GENERAL STATEMENT

See summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with a copy of Registered Planetable Survey No. 3270, 1:20,000 scale made in 1911-1912 and approved March 30, 1912.

The shoreline of the two surveys are in good agreement. The planetable survey shows very little interior detail and practically no cultural features.

Map manuscript T-11899 supersedes the planetable survey and should be used for all future nautical chart construction in the area mapped.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. quadrangle Wailuku, Hawaii, 1:24,000 scale, edition of 1955.

The two surveys are in good agreement considering the differences in scale.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with a copy of boat sheet H-8576 (SU-10-1-61.) The shoreline for the boat sheet was obtained from the copy of the manuscript provided for preparation of the boat sheet. The outer limits of Waihee Reef do not appear on the boat sheet.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 4124, 1:30,000 scale, 3rd edition, May 3, 1965. The shoreline of the chart and manuscript are in very good agreement.
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

No item requiring investigation by future surveys were noted during Final Review.

Reviewed by:

Leo F. Beugnet

J. Bull, CAPT., USESSA
Director, Atlantic Marine Center

Approved by:

Chief, Cartographic Branch

Chief, Chart Division

Chief, Operations Division

Chief, Photogrammetry Division
**INSTRUCTIONS**

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

<table>
<thead>
<tr>
<th>CHART</th>
<th>DATE</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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<tr>
<td>4124</td>
<td>1/3/67</td>
<td>W. H. McC.</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No. Added Reefs &amp; Breakers</td>
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<tr>
<td>4116</td>
<td>5/9/69</td>
<td>O. Chapman</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No. Added reef thru 4130 Day 16</td>
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<td>19342</td>
<td>9/8/79</td>
<td>John R. Stamba</td>
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