**DESCRIPTIVE REPORT**

**Map No.**
T-12537

**Edition No.**
1

**Job No.**
PH-6401

**Map Classification**
FINAL FIELD EDITED MAP

**Type of Survey**
SHORELINE

**LOCALITY**

**State**
HAWAII

**General Locality**
HAWAII ISLAND, WEST COAST, UPOLO POINT TO KAILUA

**Locality**
MAHEWALU POINT

1963 TO 1970

REGISTERED IN ARCHIVES

DATE
# DESCRIPTIVE REPORT - DATA RECORD

## PHOTOMETRIC OFFICE
Coastal Mapping Unit, Atlantic Marine Center, Norfolk, VA

**OFFICER-IN-CHARGE**
Richard Houlder

## LAST PRECEDING MAP EDITION

<table>
<thead>
<tr>
<th>TYPE OF SURVEY</th>
<th>JOB PH.</th>
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<tbody>
<tr>
<td>ORIGINAL</td>
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<tr>
<td>REVERSE</td>
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## I. INSTRUCTIONS DATED

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<tr>
<th>Compilation</th>
<th>September 12, 1968</th>
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<tr>
<td>Supplement No. 1</td>
<td>February 11, 1969</td>
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<tr>
<td>Supplement No. 2</td>
<td>December 11, 1969</td>
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## Control/Field inspection April 29, 1964

## II. DATUMS

1. **HORIZONTAL**: 1927 NORTH AMERICAN

   Old Hawaiian Datum

3. **MAP PROJECTION**: Polyconic

   State: Hawaii
   Zone: 1

## III. HISTORY OF OFFICE OPERATIONS

<table>
<thead>
<tr>
<th>OPERATIONS</th>
<th>NAME</th>
<th>DATE</th>
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</thead>
<tbody>
<tr>
<td>1. AEROTRIANGULATION</td>
<td>J. Perrow</td>
<td>Feb 1969</td>
</tr>
<tr>
<td>METHOD: stereoplanigraph</td>
<td>H. Eichert</td>
<td>Feb 1969</td>
</tr>
<tr>
<td>LANDMARKS AND AIDS</td>
<td>J. Perrow</td>
<td>Feb 1969</td>
</tr>
<tr>
<td>CHECKED BY</td>
<td>H. Eichert</td>
<td>Feb 1969</td>
</tr>
<tr>
<td>2. CONTROL AND BRIDGE POINTS</td>
<td>J. Perrow</td>
<td>Feb 1969</td>
</tr>
<tr>
<td>METHOD: corodomat</td>
<td>J. Perrow</td>
<td>Feb 1969</td>
</tr>
<tr>
<td>PLOTTED BY</td>
<td>H. Eichert</td>
<td>Feb 1969</td>
</tr>
<tr>
<td>CHECKED BY</td>
<td>C. Blood</td>
<td>Aug 1969</td>
</tr>
<tr>
<td>3. STEREOSCOPIC INSTRUMENT</td>
<td>A. Shands</td>
<td>Aug 1969</td>
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<tr>
<td>COMPILATION</td>
<td>N.A.</td>
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<tr>
<td>PLANIMETRY CHECKED BY</td>
<td>N.A.</td>
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<tr>
<td>CONTOURS</td>
<td>C. Blood</td>
<td>Aug 1969</td>
</tr>
<tr>
<td>CHECKED BY</td>
<td>R. Smith</td>
<td>Dec 1969</td>
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<td>4. MANUSCRIPT DELINEATION</td>
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<td>PLANIMETRY CHECKED BY</td>
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<td>CONTOURS</td>
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<td>CHECKED BY</td>
<td>F. Margiotta</td>
<td>Oct 1972</td>
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<tr>
<td>5. OFFICE INSPECTION PRIOR TO FIELD EDIT</td>
<td>F. Margiotta</td>
<td>Oct 1972</td>
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<tr>
<td>METHOD: HYDRO SUPPORT DATA</td>
<td>J. Hancock</td>
<td>Dec 1986</td>
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<tr>
<td>CHECKED BY</td>
<td>J. Hancock</td>
<td>Mar 1987</td>
</tr>
<tr>
<td>6. APPLICATION OF FIELD EDIT DATA</td>
<td>P. Depok</td>
<td>May 1987</td>
</tr>
<tr>
<td>CHECKED BY</td>
<td>E. A. Daugherty</td>
<td>May 1987</td>
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<tr>
<td>7. COMPILATION SECTION REVIEW</td>
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</tr>
<tr>
<td>8. FINAL REVIEW</td>
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<tr>
<td>9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH</td>
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<tr>
<td>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</td>
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<tr>
<td>11. MAP REGISTERED - COASTAL SURVEY SECTION</td>
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</table>
## 1. Compilation Photography

**Camera(s):** Wild RC 8"S" S=152.29mm

<table>
<thead>
<tr>
<th>TIDE STAGE REFERENCE</th>
<th>TYPES OF PHOTOGRAPHY LEGEND</th>
<th>TIME REFERENCE</th>
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<tr>
<td>☑ Predicted Tides</td>
<td>(C) Color</td>
<td>Zone standard</td>
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<tr>
<td>☑ Reference Station Records</td>
<td>(P) Panchromatic</td>
<td>Yukon Standard</td>
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<tr>
<td>☑ Tide Controlled Photography</td>
<td>(I) Infrared</td>
<td>135th Meridian</td>
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<table>
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<tr>
<th>NUMBER AND TYPE</th>
<th>DATE</th>
<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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<tr>
<td>63S(p)7950-7954*</td>
<td>Aug 31, 1963</td>
<td>09:08</td>
<td>1:30,000</td>
<td>0.6 ft above MLLW</td>
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<tr>
<td>63S(C)8049-8054**</td>
<td>Aug 31, 1963</td>
<td>10:39</td>
<td>1:15,000</td>
<td>1.4 ft above MLLW</td>
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**Remarks:**
*Bridging photographs ** Compilation photographs

**Mean Tide Range = 1.4 ft**

## 2. Source of Mean High-Water Line:

The mean high water line was compiled from office interpretation of the compilation photographs using stereo instrument methods.

## 3. Source of Mean Low-Water or Mean Lower Low-Water Line:

No mean lower low water line was compiled.

## 4. Contemporary Hydrographic Surveys (List only those surveys that are sources for photogrammetric survey information.)

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<thead>
<tr>
<th>SURVEY NUMBER</th>
<th>DATE(S)</th>
<th>SURVEY COPY USED</th>
<th>SURVEY NUMBER</th>
<th>DATE(S)</th>
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<tr>
<td>H-9132</td>
<td>surveyed 1970</td>
<td>registered</td>
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## 5. Final Junctions

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<th>SOUTH</th>
<th>WEST</th>
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<tr>
<td>No survey</td>
<td>T-12538</td>
<td>T-12539</td>
<td>No survey</td>
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**Remarks**
**HISTORY OF FIELD OPERATIONS**

1. **FIELD INSPECTION OPERATION**
   - **NAME**: R. Newsom
   - **DATE**: June 1964

2. **HORIZONTAL CONTROL**
   - **RECOVERED BY**: none
   - **ESTABLISHED BY**: none
   - **PRE-MARKED OR IDENTIFIED BY**: none

3. **VERTICAL CONTROL**
   - **RECOVERED BY**: none
   - **ESTABLISHED BY**: none
   - **PRE-MARKED OR IDENTIFIED BY**: none

4. **LANDMARKS AND AIDS TO NAVIGATION**
   - **RECOVERED (Triangulation Stations) BY**: none
   - **LOCATED (Field Methods) BY**: none
   - **IDENTIFIED BY**: none

5. **GEOGRAPHIC NAMES INVESTIGATION**
   - **CLARIFICATION OF DETAILS BY**: E. Cline
   - **DATE**: June 1964

**II. SOURCE DATA**

1. **HORIZONTAL CONTROL IDENTIFIED**
   - **PHOTO NUMBER**: none
   - **STATION NAME**: none

2. **VERTICAL CONTROL IDENTIFIED**
   - **PHOTO NUMBER**: none
   - **STATION DESIGNATION**: none

3. **PHOTO NUMBERS (Clarification of details)**
   - **63(S) 7950, 7953 (matte contacts)**

4. **LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED**
   - **PHOTO NUMBER**: none
   - **OBJECT NAME**: none
   - **PHOTO NUMBER**: none
   - **OBJECT NAME**: none

5. **GEOGRAPHIC NAMES**: none

6. **BOUNDARY AND LIMITS**: none

7. **SUPPLEMENTAL MAPS AND PLANS**
   - **REPORT**: none
   - **NONE**: none

8. **OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)**
   - **REPORT**: none
   - **NONE**: none
## HISTORY OF FIELD OPERATIONS

### 1. FIELD INSPECTION OPERATION

<table>
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<td>1. CHIEF OF FIELD PARTY</td>
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<td>2. HORIZONTAL CONTROL</td>
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<tr>
<td>3. VERTICAL CONTROL</td>
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<tr>
<td>4. LANDMARKS AND AIDS TO NAVIGATION</td>
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### 5. GEOGRAPHIC NAMES INVESTIGATION

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### 6. PHOTO INSPECTION

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<th>L. Riggers</th>
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### 7. BOUNDARIES AND LIMITS

| SURVEYED OR IDENTIFIED BY | None     | |
|---------------------------|----------|-

### II. SOURCE DATA

<table>
<thead>
<tr>
<th>1. HORIZONTAL CONTROL IDENTIFIED</th>
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### 3. PHOTO NUMBERS (Clarification of details)

63(S)7951, 7953 (matte ratios, 1:10,000 scale)

### 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

none

<table>
<thead>
<tr>
<th>PHOTO NUMBER</th>
<th>OBJECT NAME</th>
<th>PHOTO NUMBER</th>
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### 5. GEOGRAPHIC NAMES: REPORT [X] NONE

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### 6. BOUNDARY AND LIMITS: REPORT [X] NONE

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### 7. SUPPLEMENTAL MAPS AND PLANS

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### 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

1. field edit report and supplement to field edit report
2. field edit paper print
### I. Manuscript Copies

<table>
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<tr>
<th>Compilation Stages</th>
<th>Date</th>
<th>Remarks</th>
<th>Marine Charts</th>
<th>Hydro Support</th>
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<tr>
<td>Compilation complete pending field edit</td>
<td>Dec 1969</td>
<td>(includes field insp.) Class III manuscript</td>
<td>Dec 1969</td>
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<tr>
<td>Field edit applied compilation complete</td>
<td>Oct 1972</td>
<td>Class I manuscript</td>
<td></td>
<td>Mar 1973</td>
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</table>

### II. Landmarks and Aids to Navigation

- None

### III. Federal Records Center Data

1. Bridging photographs; Duplicate bridging report; Computer readouts.
2. Control station identification cards; Form NOS 567 submitted by field parties.

### IV. Survey Editions

![Survey Editions Table](image)
JOB PH-6401
SHORELINE MAPPING
HAWAII IS. WEST COAST
UPOLO POINT TO KAILUA
SCALE 1:5,000 & 1:10,000
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT
T-12537

This 1:10,000 scale final shoreline map is one of twenty-three maps that comprise PH-6401, Hawaii Island, Hawaii, West Coast, Upolu Point to Kailua. The project consists of seventeen 1:10,000 scale maps (T-12527 thru T-12541, T-12543, T-12545) and six 1:5,000 scale inset maps (T-12542, T-12544, T-12635, T-13131, T-13132, T-13382).

The purpose of this map was to furnish data in support of hydrographic operations and to provide current shoreline data for marine charts.

This map portrays a portion of shoreline along the northwest coast of Hawaii Island from Lat. 19° 48' 45" to Lat. 19° 51' 30".

Photo coverage for the project was adequately provided in August/September 1963 using the Wild RC-8 "S" camera. Photography consisted of 1:30,000 scale panchromatic photographs used for field inspection and aerotriangulation. The 1:20,000 and 1:15,000 scale color photographs were used for compilation and hydro support. The 1:20,000 scale photo coverage was obtained for the 1:10,000 scale maps and the 1:15,000 scale photographs provided coverage of the 1:5,000 scale inset maps. Additional color photographs at 1:15,000 scale were obtained in February 1969 with the Wild RC-8"E" camera. These photographs were bridged and a supplemental plot report was prepared in order to compile three 1:5,000 scale inset maps (T-13131, T-13132 and T-12635). The stage of tide for all project photographs was based upon predicted tide data. No infrared photographs were provided.

Field work prior to aerotriangulation consisted of the recovery and establishment of horizontal control by photoidentification methods. In addition, a field inspection was performed for the project area utilizing the 1:30,000 scale photographs. This activity was conducted in May/June 1964.

Analytic aerotriangulation was adequately provided by the Washington Science Center in three phases. Initial bridging activity was accomplished for seven of the northern project maps in June 1966. The second phase was conducted for the remaining project maps in February 1969. A final bridge was provided in October 1971 for the 1969 photo coverage of three 1:5,000 scale inset maps. Aerotriangulation activity included ruling the base manuscripts and also provided ratio photographs for the compilation and hydrographic/field edit operations.

Compilation for this map was performed at the Coastal Mapping Section, Atlantic Marine Center in December 1969. Copies of the manuscript and hydrographic support data were forwarded to the hydrographer for field edit. A copy of the manuscript was also submitted to the Marine Charts Section.
Field edit was conducted in conjunction with hydrographic survey H-9132 by USCGS Ship PATHFINDER personnel in February 1970.

Application of field edit was accomplished at the Atlantic Marine Center in October 1972 and the manuscript was advanced to Class I. Copies of the Class I manuscript were forwarded to the Hydrographic Surveys Branch.

Final review was performed at the Atlantic Marine Center in December 1986. A comparison was made with the common nautical chart and hydrographic survey. The original base manuscript and related data along with a final Chart Maintenance Print and a Hydrographic Print were forwarded to the Washington Science Center for registration and distribution.
FIELD INSPECTION
T-12537

Field activity prior to compilation included a field inspection of the shoreline and the recovery/photoidentification of horizontal control necessary for project aerotriangulation. Results of the 1964 field inspection were submitted on the 1:30,000 scale contact photographs.
21. Area Covered

The area covered by this report is along the northwest coast of Hawaii Island. T-sheets in this area are numbered 12534 thru 12541, 12543, and 12545 at 1:10,000 scale. T-sheets 12542, 12544, 12535, 13131 and 13132 at 1:5,000 scale. Sheets T-12527 thru 12533 and 13154 were covered by a previous report on Strips #1 and #2.

22. Method

All strips were bridged on the stereoplanigraph and adjusted by IBM 1620 methods. Strip #3 was adjusted on four stations with two additional stations as checks. Strip #4 was adjusted on seven stations with two additional stations as checks. Strip #6 was adjusted on two control points plus 7 tie points. Strip #7 was adjusted on one control station and three tie points. Strip #8 was adjusted on three control stations and three tie points. All tie points between strips were averaged. Points were drilled using the Wild PUG.

23. Adequacy of Control

The control provided by the field was adequate after reidentification of Anaehoomalu 1913, Lana Cone, 1913 and the identification of Hand, 1928 and Nawai 1928. The following stations could not be held in the bridging adjustments.

1. LAVA CONE, 1913, SS #A and SS #B ("NEAR"). By holding four triangulation stations and floating substitute stations "NEAR A AND B", a 1 ft. check was achieved between these substitute stations and placed LAVA CONE, 1913 80 ft. north of survey mark "NEAR" and on the high point of the immediate area. This bares out the field recovery note for station LAVA CONE 1913 that the survey mark "NEAR" and intersection station LAVA CONE, 1913 are not one and the same. Geodesy Division has been notified of our findings and the bridging information added to their files.

2. KEEI SOUTH BASE, 1948 SS #1 and SS #2 could not be held in Strip #4 by 11' and 16' respectively. It is believed these errors are due to bad identification, since seven other stations were held in the adjustment. This station falls in Strip #4 but is outside of the PH-6401 area of compilation.
24. Supplemental Data

Local USGS quads were used to provide vertical points needed for the strip adjustment program.

25. Photography

Photography was not adequate to provide coverage of the 1:5,000 scale sheets with the exception of T-12542. This inadequate coverage was caused by a change in the limits of the 1:5,000 areas after bridging was nearing completion. Photography was adequate in regard to definition and overlap.

Submitted by,

John D. Perrow, Jr.

Approved by,

Henry P. Elchert
Chief, Aerotriangulation Section
1. KEPUHI 2, 1948
2. KEPUHI, 1913
3. KEALAHEWA 2, 1948
4. LORAN TOWER, 1948
5. PUU ULA, 1913
6. RED TANK, 1948
7. KEAWANUI, 1948
8. PUU KAMALI, 2, 1928
9. HAWAINAE LT, 1928
10. POAKO, 1873
11. PU-U-O NEW, 1948
12. ANAHUMOALU, 1913
13. HAND, 1928
14. NAUI, 1928
15. LAVA CONE, 1913
16. KEAHOLE, 1948
17. KEAHOLE, 1882
18. KEAHOLE PT, N.W, RANGE MARKER, 1948
19. KAILUA, 1887
20. KAHELO, 1882
21. POINT, 1928
22. KEALAKEKUM KONA CH. SPIRE, 1948
23. KEEI SOUTH BASE, 1948
24. HONANNAU ST. BENEDICT CATH. CHURCH SPIRE, 1948
25. McCANDLESS, 1948

JOB PH-6401
SHORELINE MAPPING
HAWAII IS. WEST COAST
UPOLO. POINT TO KAILUA
SCALE 1:5,000 & 1:10,000
**DESCRIPTIVE REPORT CONTROL RECORD**

<table>
<thead>
<tr>
<th>MAP NO.</th>
<th>JOB NO.</th>
<th>GEODEUTIC DATUM</th>
<th>ORIGINATING ACTIVITY</th>
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<tbody>
<tr>
<td>T-12537</td>
<td>PH-6410</td>
<td>Old Hawaiian Datum</td>
<td>Coastal Mapping Div, AMC</td>
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<table>
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COMPILATION REPORT
T-12537

31 - DELINEATION

Delineation was by instrument methods using the Wild B-8 stereoplotter and 1:15,000 scale color photographs. The 1:30,000 scale panchromatic field inspection photographs were used during compilation; however, several of the field identified rocks were not discernible when viewing the 1:15,000 scale color compilation photographs. Rocks that were not clearly identifiable were not compiled.

Compilation ratio photographs were processed for hydro support and were used graphically to assist in delineation of minor details. Photo coverage and quality were adequate.

32 - CONTROL

Refer to the Photogrammetric Plot Report, dated February 4, 1969.

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was delineated from the compilation photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

The shoreline was delineated from office interpretation of the mapping photographs and from the annotated photographs resulting from the precompilation field inspection. Because of the small tide range, no mean lower low water line was compiled.

36 - OFFSHORE DETAILS

There were no significant offshore details.

37 - LANDMARKS AND AIDS

There were no landmarks or navigational aids within the limits of this map.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the Data Record Form 76-36B, Item 5.
40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report dated February 4, 1969.

46 - COMPARISON WITH EXISTING MAPS

A comparison was made with U.S.G.S Quadrangles, Kiholo, Hawaii, dated 1959, scale 1:24,000; and Makalawena, Hawaii, dated 1959, scale 1:24,000.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with USCGS Chart 4140, scale 1:80,000, 3rd edition, dated Jan. 24, 1966.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by

[Signature]
Charles Blood
Cartographic Technician
August 1969

Approved

[Signature]
Albert C. Rauck, Jr.
Chief, Coastal Mapping Section
Field edit was performed in conjunction with hydrographic survey H-9132 in February 1970. Adequate information was furnished in order to advance the manuscript to Class I status.

The field editor indicated new construction development at Mahewalu Point and he included a copy of the electrical plot plan for "Kona Village Resort", Kaupulehu, Hawaii, dated June 27, 1968. However, the buildings do not appear on our 1963 photography and the field editor gave no geographic position or location information; therefore it is impossible to locate any of this new construction on the manuscript.

The field editor indicated by note on the field edit ozalid a large tank, near Lat. 19° 49' 30" and Long. 155° 59' 00". As he states, the tank does not appear on our existing 1963 photography, and since he failed to give us any locational information, it is impossible to plot the tank on the manuscript. A check of U.S.G.S. Quad Kiholo, Hawaii, scale 1:24,000, dated 1959 and C&GS Chart 4140, scale 1:80,000, 3rd edition, January 24, 1966, did not provide any information concerning the tank.
GEOGRAPHIC NAMES
FINAL NAME SHEET

PH-6401 (Hawaii, West Coast I. of Hawaii)
T-12537

Kahuwai Bay
Kakapa Bay
Kaupulehu
Kikaua Point
Kua Bay
Kukio
Kukio Bay
Kumukehu Point

Mahewalu Point—Mahewalu Point

Mano Point—Mano Point

Pacific Ocean
Papiha Point
Waiakuhi

Approved by:

A. J. Wright
A. Joseph Wright
Chief Geographer

Prepared by:

Frank W. Pickett
Cartographic Technician
FIELD EDIT REPORT

CHART TOPOGRAPHY

West Coast Of Hawaii, Hawaii

Map Manuscripts, T-12534, T-12535,

T-12536, T-12537 & T-12538

February 1970
FIELD EDIT REPORT - OPR 419

Chart Topography
Hawaii, West Coast
Map Manuscripts, T-12534 T-12535, T-12536, T-12537, T-12538

This report covers the west shore of the island of Hawaii from Kaumaoa Point south to Kau Bay.

The entire shoreline was inspected using a small boat and/or walking. The field edit copies (discrepancy prints) of the map manuscripts were used as the index for the field corrections and the photographs containing the bulk of the corrections were cross-referenced to the field edit copies.

 Adequacy of Compilation:

The extent and accuracy of the maps appear to be complete.

 Methods:

The shoreline was inspected and the corrections have been indicated on the field edit photography in red ink. Annotations on the field edit sheet were done with a purple pencil and in some cases with a ball point pen. Deletions of features on both the field edit sheets and the photography are in green ink.

Mean high water references were made to identifiable alongshore objects. In general the mean high water compilation was very good. The characteristics of the shore are generally a lava composition with a few sand beaches. The foreshore and adjacent offshore underwater areas are quite shallow. Coral heads are forming in areas that have a water depth of three feet or more.

There are no communities of any size. There are several residents along the shore south of Chai Point to an area about 1/2 mile south of Kapuniau Point.

Rocks and shoals were investigated. The elevations of these features in relationship to the stage of tide at the time of the investigation were recorded on the field edit photography and/or the field edit sheets where required.

A Geographic Names investigation was not made, however one discrepancy was brought to the attention of the Field Editor by a local resident of over 50 years. The spelling of the small bay about 1/4 mile north of Chai Point is spelled Wailea Bay and not Waialea Bay.

Pertinent information pertaining to each individual discrepancy sheet will be listed under that specific sheet.
Considerable time was spent looking for the submerged rocks from office interpretation but those west of the foul line were not found. Methods included looks from identifiable objects from shore and investigation from a small boat.

Several areas have been mapped as coral however no coral was found close to the shoreline. Coral heads and coral are found in areas that are constantly under water.

The first half of this sheet was done by personnel of the ship HEARTHUR in 1969.

A new boat ramp was constructed since the photography. A sketch was drawn on the back of photo 63 S 7779. Three tanks that are close together were picked as a landmark. See photo 63 S 7780. A form 567 will be submitted.

See the comments on the Field Edit Oaolid.

See the comments on the Field Edit Oaolid. A new development has been constructed on Kakekau Point. Several of the buildings will be of landmark value. The plans are being submitted with this report.

See the comments on the Field Edit Oaolid.

Respectfully submitted,

Iyle L. Riggers
Surveying Tech.

Approved:

F. A. Taylor, CAPT, USN
Comd. Officer "PATHFINDER"
Supplement To
FIELD EDIT REPORT
CHART TOPOGRAPHY
West Coast of Hawaii, Hawaii
Map Manuscripts, T-12534, T-12535
T-12536, T-12537, and T-12523

March 25, 1970

Three additional Geographic Names discrepancies have been located on
the following T-sheets.

T-12534  The discrepancy on this sheet concerns Hakaia Bay located at
Lat. 19°57’ and Long. 155°53.5’ just west of IAUIPUAA. On C&GS chart
4140 Jan. 24, 1966 the location of the name appears to refer to a
different part of the coastline than on this T-sheet.

T-12536  A bay located at Lat. 19°55.8’ Long. 155°53.5’ has a spelling
discrepancy. This T-sheet gives the spelling as Waiula Bay and chart
4140 gives the spelling as Maialua Bay.

T-12537  In the general area of Kakeha Bay at Lat. 19°49’ Long. 156°00.3’
there exists a major discrepancy in the names of two prominent points of
land. This T-sheet shows the point which forms the north shore of Kakeha
Bay as Kikaua Pt. and the point forming the south shore as Papiha Pt.
The chart 4140 gives the name of Papiha Pt. to the northern point end does
not name the point to the south.

A Geographic Names investigation was not made on any of these discrepancies
due to the lack of time at the end of the project when these discrepancies
were found.

Respectfully submitted,

Richard D. Olson
ENS, USESSA
Photogrammetric Officer

E. A. Taylor, CAFT, USESSA
Cmd. Officer "PATHFINDER"

Approved:
REVIEW REPORT  
T-12537  
SHORELINE

61 - GENERAL STATEMENT

Final review for this final field edited map was accomplished at the Atlantic Marine Center in December 1986. For a schedule of the office and field operations, refer to the Summary included with this Descriptive Report.

62 - COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63 - COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S.C.S quadrangles Kiholo, Hawaii, dated 1959, scale 1:24,000; and Nakalawena, Hawaii, dated 1959, scale 1:24,000.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A portion of hydrographic survey H-9132, PF-10-3-70, 1:10,000 scale, field surveyed 1970 is common to this final shoreline map. A comparison made with a registered copy of H-9132 did not reveal any significant discrepancies.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with NOS chart 19327, scale 1:80,000, 8th edition, September 5, 1981.

66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

Submitted by
Jerry L. Hancock
Final Reviewer

Approved for forwarding
Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved
Jerry O. Robson
Chief, Photogrammetric Production Sec.  A. Y. Bryan
Chief, Photogrammetry Branch
**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

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