**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Map No.</th>
<th>T-12534</th>
</tr>
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<tbody>
<tr>
<td>Edition No.</td>
<td>1</td>
</tr>
<tr>
<td>Job No.</td>
<td>PH-6401</td>
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</table>

**Map Classification**

FINAL, FIELD EDITED MAP

**Type of Survey**

SHORELINE

**LOCALITY**

**State**

HAWAI'I

**General Locality**

HAWAI'I ISLAND, WEST COAST

UPOLO POINT TO KAILUA

**Locality**

KAPUNIAU POINT

**DATE**

1963 TO 1979

**REGISTERED IN ARCHIVES**
**DESCRIPTIVE REPORT - DATA RECORD**

**PHOTOGRAMMETRIC OFFICE**
Coastal Mapping Unit, Atlantic Marine Center
Norfolk, Virginia.

**OFFICER IN CHARGE**
Richard Houlder

<table>
<thead>
<tr>
<th>I. INSTRUCTIONS DATED</th>
<th>2. FIELD</th>
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<tr>
<td>Compilation: September 12, 1968.</td>
<td>Control/Field Inspection: April 29, 1964</td>
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<tr>
<td>Supplement No. 1: February 11, 1969</td>
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<tr>
<td>Compilation: March 11, 1969</td>
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<td>Supplement No. 2: December 11, 1969</td>
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<th>II. DATUMS</th>
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<tbody>
<tr>
<td>1. HORIZONTAL:</td>
</tr>
<tr>
<td>☐ 1927 NORTH AMERICAN</td>
</tr>
<tr>
<td>☐ MEAN HIGH-WATER</td>
</tr>
<tr>
<td>☐ MEAN LOW-WATER</td>
</tr>
<tr>
<td>☐ MEAN LOWER LOW-WATER</td>
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<tr>
<td>☐ MEAN SEA LEVEL</td>
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<th>3. MAP PROJECTION</th>
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<tr>
<th>5. SCALE</th>
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<tbody>
<tr>
<td>1:10,000</td>
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<table>
<thead>
<tr>
<th>III. HISTORY OF OFFICE OPERATIONS</th>
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<tbody>
<tr>
<td>OPERATIONS</td>
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<tr>
<td>1. AEROTRIANGULATION</td>
</tr>
<tr>
<td>METHOD: Stereoplanigraph</td>
</tr>
<tr>
<td>LANDMARKS AND AIDS BY</td>
</tr>
<tr>
<td>2. CONTROL AND BRIDGE POINTS</td>
</tr>
<tr>
<td>METHOD: Coradomat</td>
</tr>
<tr>
<td>PLOTTED BY</td>
</tr>
<tr>
<td>CHECKED BY</td>
</tr>
<tr>
<td>3. STEREOSCOPIC INSTRUMENT</td>
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<tr>
<td>COMPILATION</td>
</tr>
<tr>
<td>METHOD: Wild B-8</td>
</tr>
<tr>
<td>PLANIMETRY BY</td>
</tr>
<tr>
<td>CHECKED BY</td>
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<td>4. MANUSCRIPT DELINEATION</td>
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<td>METHOD: Smooth drafted</td>
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<td>CHECKED BY</td>
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<tr>
<td>5. OFFICE INSPECTION PRIOR TO FIELD EDIT</td>
</tr>
<tr>
<td>METHOD:</td>
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<td>LANDMARKS AND AIDS BY</td>
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<tr>
<td>6. APPLICATION OF FIELD EDIT DATA</td>
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<td>CHECKED BY</td>
</tr>
<tr>
<td>7. COMPILATION SECTION REVIEW</td>
</tr>
<tr>
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</tr>
<tr>
<td>8. FINAL REVIEW</td>
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<tr>
<td>CHECKED BY</td>
</tr>
<tr>
<td>9. DATA FORWARDTOED TO PHOTOGRAMMETRIC BRANCH</td>
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<tr>
<td>CHECKED BY</td>
</tr>
<tr>
<td>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</td>
</tr>
<tr>
<td>11. MAP REGISTERED - COASTAL SURVEY SECTION</td>
</tr>
</tbody>
</table>
1. COMPILE PHOTOGRAPHY

CAMERA(S)
Wild R.C. -B"S" S=152.29 nmi

TIDE STAGE REFERENCE

REFERENCE STATION RECORDS
TIDE CONTROLLED PHOTOGRAPHY

<table>
<thead>
<tr>
<th>NUMBER AND TYPE</th>
<th>DATE</th>
<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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<tbody>
<tr>
<td>63S(P)7921-7923*</td>
<td>Aug. 31, 1963</td>
<td>09:07</td>
<td>1:30,000</td>
<td>0.7 ft. above MLLW</td>
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<tr>
<td>63S(C)7775-7778**</td>
<td>Aug. 27, 1963</td>
<td>10:16</td>
<td>1:20,000</td>
<td>1.9 ft. above MLLW</td>
</tr>
</tbody>
</table>

Mean Tide Range = 1.4 Ft.

REMARKS
*Bridging photographs, **Compilation photographs

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 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.)

<table>
<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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<tbody>
<tr>
<td>H-9018</td>
<td>Surveyed 1969/1970</td>
<td>Registered</td>
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5. FINAL JUNCTIONS

<table>
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<tr>
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<th>EAST</th>
<th>SOUTH</th>
<th>WEST</th>
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<tbody>
<tr>
<td>None</td>
<td>T-12535 (1:10,000)</td>
<td>T-12535 (1:10,000)</td>
<td>No Survey</td>
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REMARKS
*The western portion of inset map T-13131 (1:5,000 scale) lies within the northeast segment of this map.
### HISTORY OF FIELD OPERATIONS

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>NAME</th>
<th>DATE</th>
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</thead>
<tbody>
<tr>
<td>1. CHIEF OF FIELD PARTY</td>
<td>R. Newsom</td>
<td>Jun 1964</td>
</tr>
<tr>
<td>2. HORIZONTAL CONTROL</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>3. VERTICAL CONTROL</td>
<td>None</td>
<td>None</td>
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<tr>
<td>4. LANDMARKS AND AIDS TO NAVIGATION</td>
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<td>None</td>
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<tr>
<td>5. GEOGRAPHIC NAMES INVESTIGATION</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>6. PHOTO INSPECTION</td>
<td>E. Cline</td>
<td>Jun 1964</td>
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#### II. SOURCE DATA

<table>
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<tr>
<th>1. HORIZONTAL CONTROL IDENTIFIED</th>
<th>2. VERTICAL CONTROL IDENTIFIED</th>
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<tbody>
<tr>
<td>PHOTO NUMBER</td>
<td>STATION NAME</td>
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3. PHOTO NUMBERS (Clarification of details)

63 (S) 7921, 7922, 7923 (Matte Contacts)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

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

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

7. SUPPLEMENTAL MAPS AND PLANS

None

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

None
**HISTORY OF FIELD OPERATIONS**

1. **FIELD INSPECTION OPERATION**
2. **FIELD EDIT OPERATION**

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>NAME</th>
<th>DATE</th>
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</thead>
<tbody>
<tr>
<td>1. CHIEF OF FIELD PARTY</td>
<td>(USGS Ship PATHFINDER)</td>
<td></td>
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<tr>
<td></td>
<td>E. Taylor</td>
<td>Feb 1970</td>
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<td>2. HORIZONTAL CONTROL</td>
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<td></td>
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<td></td>
<td>PRE-MARKED OR IDENTIFIED BY</td>
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<tr>
<td>3. VERTICAL CONTROL</td>
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<td></td>
<td>PRE-MARKED OR IDENTIFIED BY</td>
<td>None</td>
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<tr>
<td>4. LANDMARKS AND AIDS TO NAVIGATION</td>
<td>RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY</td>
<td>None</td>
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<tr>
<td></td>
<td>CLARIFICATION OF DETAILS BY</td>
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<tr>
<td>6. PHOTO INSPECTION</td>
<td>L. Riggors</td>
<td>Feb 1970</td>
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<td>7. BOUNDARIES AND LIMITS</td>
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**SOURCE DATA**

1. **HORIZONTAL CONTROL IDENTIFIED**
2. **VERTICAL CONTROL IDENTIFIED**

<table>
<thead>
<tr>
<th>PHOTO NUMBER</th>
<th>STATION NAME</th>
<th>PHOTO NUMBER</th>
<th>STATION DESIGNATION</th>
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3. PHOTO NUMBERS (Clarification of details)

   63S(C)7778 (Cronapake Ratio), 63S(P)7922,7923,7923 (Cronapake Ratio)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

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<thead>
<tr>
<th>PHOTO NUMBER</th>
<th>OBJECT NAME</th>
<th>PHOTO NUMBER</th>
<th>OBJECT NAME</th>
</tr>
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</table>

5. GEOGRAPHIC NAMES: □ REPORT: □ NONE
6. BOUNDARY AND LIMITS: □ REPORT: □ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

   1 Field Edit Report and Supplement to Field Edit Report
   1 Field Edit Paper Print
### Record of Survey Use

#### 1. Manuscript Copies

<table>
<thead>
<tr>
<th>Data Compiled</th>
<th>Compilation Stages</th>
<th>Date Manuscript Forwarded</th>
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<tbody>
<tr>
<td>Compilation complete pending field edit</td>
<td>Mar 1969 Class III Manuscript (Includes field inspection)</td>
<td>Mar 1969 Dec 1969</td>
</tr>
<tr>
<td>Field edit application completed</td>
<td>Feb 1972 Class I Manuscript</td>
<td>Mar 1977 Nov 1973</td>
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#### II. Landmarks and Aids to Navigation

None

#### 1. Reports to Marine Chart Division, Nautical Data Branch

<table>
<thead>
<tr>
<th>Number</th>
<th>Chart Letter Number Assigned</th>
<th>Date Forwarded</th>
<th>Remarks</th>
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#### III. Federal Records Center Data

2. Control Station Identification Cards: Form NOS 567 Submitted by Field Parties.
3. Source Data (except for Geographic Names Report) as Listed in Section II, NOAA Form 76-36C: Account for Exceptions:

#### IV. Survey Editions

<table>
<thead>
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<th>Survey Number</th>
<th>Job Number</th>
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</table>
JOB PH-6401
SHORELINE MAPPING
HAWAII IS. WEST COAST
UPOLO POINT TO KAILUA
SCALE 1:5,000 & 1:10,000
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 56.15' to Lat. 19 58.30'. The western portion of inset map T-13131 duplicates northeast segment of this map at 1:5,000 scale.

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 March 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 performed in conjunction with hydrographic survey H-9018 by USC&GS Ship PATHFINDER personnel in February 1970.

Application of field edit was accomplished at the Atlantic Marine Center in February 1972 and the manuscript was advanced to Class I. A copy of the Class I manuscript was forwarded to Marine Charts and the Hydrographic Surveys Branch.

Final review was performed at the Atlantic Marine Center in November 1986. A comparison was made with the common nautical chart(s) and hydrographic survey(s). 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-12534

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, 12635, 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, Lava 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,

[Signature]
John D. Perrow, Jr.

Approved by,

[Signature]
Henry P. Eichert
Chief, Aerotriangulation Section
1. KEPUNI 2, 1948
2. KEPUNI, 1913
3. KAALAKEWA 2, 1948
4. LOHAN TOWER, 1945
5. PUU ULA, 1913
6. RED TANK, 1948
7. KEAWANUI, 1948
8. PUU KAMALI, 2, 1928
9. TAWAHAE LT, 1728
10. PUKO, 1873
11. PUA-KO NEW, 1948
12. ANAHEEOMALU, 1913
13. HAND, 1928
14. NAVAJ, 1923
15. LAVA CONE, 1913
16. KEAHOLE 2, 1945
17. KEAHOLE, 1882
18. KEAHOLE PT. NH, RANGE MARKER, 1948
19. KAILUA, 1887
20. KAHELO, 1882
21. POINT, 1925
22. KAALAKEKUA KONA CH. SPIRE, 1945
23. KEI'I SOUTH BASE, 1945
24. HONOAPUA ST. BENEDICT CATH. CHURCH SPIRE, 1945
25. MCCANDLES, 1945

JOB PH-6401
SHORELINE MAPPING
HAWAII IS. WEST COAST
UPPOLO POINT TO KAILUA
SCALE 1:5,000 & 1:10,000
# Descriptive Report Control Record

### Details
- **Map No.:** T-12534
- **Job No.:** PH-6410
- **Geodetic Datum:** Old Hawaiian Datum
- **Originating Activity:** Coastal Mapping Unit, AMC, Norfolk, VA

<table>
<thead>
<tr>
<th>Station Name</th>
<th>Source of Information (Index)</th>
<th>Aerotriangulation Point Number</th>
<th>Coordinates in Feet</th>
<th>Geographic Position</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>NONE</td>
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<td></td>
</tr>
</tbody>
</table>

### Coordinate Details
- \( \phi \) Latitude
- \( \lambda \) Longitude

### Computed By
- Date
- Computation Checked By
- Date

### Listed By
- Date
- Listing Checked By
- Date

### Hand Plotting By
- Date
- Hand Plotting Checked By
- Date

*Supersedes NOAA Form 76-41, 2-71 Edition Which Is Obsolete.*
31 - Delineation

Delineation was by instrument methods using the Wild B-8 stereoplotter and 1:20,000 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 1:20,000 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 - Juncitons

Refer to the Data Record Form 76-365, 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 Quadrangle, Puu Hina, Hawaii, dated 1956, scale 1:24,000
Anaehoomalu, Hawaii, dated 1959, scale 1:24,000.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with USC&GS Charts
4167, scale 1:10,000, 3rd edition, dated Jun. 26, 1967

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by

A. Shands
Cartographic Technician
March 1969

Approved

Albert C. Rauck, Jr.
Chief, Coastal Mapping Section
ADDENDUM TO THE COMPILATION REPORT

T-12534

Field edit was performed in conjunction with hydrographic survey H-9018. Adequate information was furnished in order to advance the manuscript to Class I status.
GEOGRAPHIC NAMES

FINAL NAME SHEET

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

T-12534

Honokaope Bay
Hopealia Fishpond
Iliiilinahehe Bay
Kapuniau Point
Kawaihae Bay
Keanapou Fishpond
Keanapukalua
Lae o Ili
Lae o Panipou
Lae o Puili
Lahuipuaa
Makaiwa Bay

Maoku Fishpond
Manoku Fishpond
Nanuku Inlet
Pacific Ocean
Papakonani Boat Landing
Pauoa Bay
Puako
Puako Point
Waawaa Point
Waiaakumalae Point
Waima Point
Waipuhi Fishpond

Approved by:

A. J. Wraight
A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Fickett
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
This report covers the west shore of the island of Hawaii from Kaunaoa 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 correction 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 longshore 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 fixes 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.

Sheet T-12535

The first half of this sheet was done by personnel of the ship McCARTHR 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.

Sheet T-12536

See the comments on the Field Edit Ozalid.

Sheet T-12537

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

Sheet T-12538

See the comments on the Field Edit Ozalid.

Respectfully submitted,

Iyle L. Riggers
Surveying Tech.

Approved:

F. A. Taylor, CAPT, USESNA
Cmd. 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-12538

March 25, 1970

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

T-12534 The discrepancy on this sheet concerns Makaiwa Bay located at Lat. 19°57' and Long. 155°53.5' just west of LAHUPUAA. On CGS 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 Waialua Bay and chart 4140 gives the spelling as Waiglua Bay.

T-12537 In the general area of Kaka'pua 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 Kaka'pua 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 and 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

Approved:

E. A. Taylor, CAPT, USESSA
Cmd, Officer "PATHFINDER"
61 - GENERAL STATEMENT

Final review for this final field edited map was accomplished at the Atlantic Marine Center in November 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.G.S quadrangles Puu Hina, Hawaii, dated 1956, scale 1:24,000 Anaehoomalu, Hawaii, dated 1959, scale 1:24,000.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A portion of hydrographic survey H-9018, H-9131 and H-9234 are common to this final shoreline map. A comparison was made with the following registered surveys: H-9018, AR-10-7-68/ PF-10-1-70, 1:10,000 scale, field surveyed 1969/1970 H-9131, PF-10-2-70, 1:10,000 scale, field surveyed 1970 H-9234, FA-5-1-71, 1:5,000, field surveyed 1971.

Field edit for the map was performed in conjunction with H-9018 in February 1970. Though H-9018 is considered the contemporary survey, a comparison revealed a discrepancy for a portion of shoreline between Long. 155° 50.5' to Long. 155° 51.0' which is common to H-9018 and inset H-9234. This portion of shoreline was revised during field edit application and apparently was used for H-9234 but not for H-9018.

65 - COMPARISON WITH NAUTICAL CHARTS


66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.
T-12534

Submitted by

Jerry L. Hancock
Final Reviewer

Approved for forwarding

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved

J. O. Robson
Chief, Photogrammetric Production Sec.

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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