REVIEW OF TOPOGRAPHIC SURVEY No. 4755
Title (Par. 56) N.E. Coast Oahu, Haw. Is., Kahuku Point to lalie.
Chief of Party W. A. Paton Surveyed by W. A. Paton Inked by W. A. Paton
Instructions dated July 14, 1931 Surveyed in June, 1931

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.)

2. The character and scope of the survey satisfy the instructions.

3. The control and closures of traverses were adequate. (Par. 12, 29.)

4. The amount of vertical control that the Manual specifies for contours-formlines was accomplished. (Par. 18, 19, 20, 21, 22, 23.)

5. The delineation of contours-formlines is satisfactory. (Par. 49, 50.)

6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.)

7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.)

8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.)

9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.) The sunken rock 200 m N.F. of Niihau shown on H. 3289 was not shown on this sheet but was developed by this party on H. 6319.

10. The span, draw and clearance of bridges are shown. (Par. 16c.)

11. Locations and elevations of summits are given. (Par. 19, 51.)

12. The tree line was shown on mountains. (Par. 16g.)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.
13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.)

14. The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control.

15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of IMs and DPs, 68.)

16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, 6, 60.)

17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) Decl. at Hoomalu = 11' 45" W. at Lahaina, decl. 8' 54" W. Azimuths A Hoomalu and A Kahika Hill Chief. were checked and found ok. May be local attraction at Lahaina.

18. The geographic datum of the sheet is 1923 Standard Datum and the reference station is correctly noted. (Par. 34.)

19. Juncions with contemporary surveys are adequate.

20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.)

21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.)

22. No additional surveying is recommended.

23. The Chief of Party inspected and approved the sheet and the descriptive report after review by

24. Remarks:

Reviewed in office by H. A. Paton, Dec. 11, 1933.

Examined and approved:

Chief, Section of Field Records
Chief, Division of Charts

Chief, Section of Field Work
Chief, Division of Hyd. and Top.
DESCRIPTIVE REPORT

to accompany

Sheet AA

Northeast Coast of Oahu
Laie Bay to Kahuku Point

June, 1933.

INSTRUCTIONS:

The work on this sheet was done in accordance with instructions dated July 14, 1931. The survey was made in cooperation with the U. S. Army in order to establish control for the Inshore Hydrographic Survey of the Island of Oahu. Only the location of the shore line and signals was desired.

JUNCTIONS:

On the south, this sheet joins Sheet "Z". The traverses joined at Triangulation Station LAIE, 1927. The shore line joined near Station U L T.

On the north this sheet joins Sheet BB at Triangulation Station, ANCHOR, 1932.

CONTROL:

Four triangulation stations; Laie, Keana, Kahuku Mill Chimney, and Anchor were situated within the limits of the sheet which gave adequate control for all parts of the shore line.

METHODS:

Standard methods recommended in Special Publication Number 144 were used on this survey. Traverses were begun at both ends of the sheet and joined at Triangulation Station Keana without error.

A 1910 triangulation station "Wireless Pole" was not recovered. The pole has been removed as well as its concrete base. However four anchor blocks were found in the vicinity and a signal erected at the intersection of the two diagonals. This checked the old Geographic position within four meters. Since my traverse closed without error at Triangulation Station Keana, only 950 meters south, no adjustment was made.
When the survey was in progress, landings could not be made on Kihewamoku and Pulemoku Islands. Their tangents were cut in and the shoreline sketched roughly.

NEW NAMES:

The following names were obtained from local inhabitants and are in common use:

MAKAHOA POINT
MALAIAHANA STREAM
KALANAI POINT
LATWEA STREAM

All other names shown have been used on U. S. Coast and Geodetic Survey Charts.

PROMINENT AND PERMANENT OBJECTS:

Kii, $\frac{1}{2}$" galv. iron pipe set in cement and marked "JENKIN 1933", established by survey of Bishop Estate.

She, North east corner of fence around old cemetery.

Air, Wind sock on emergency landing field.

Rail, Piece of railroad iron, set in ground projecting three feet.

Large Yellow tank with white top.

Golf, Sign board near Tee #1, on Kahuku Golf course.

MAKAHOA, $\frac{1}{2}$" galv. iron pipe set in concrete and marked "MAKAHOA 1933" on point of same name. Probably established by survey of Bishop Estate.

Gab, east gable of porch on E. L. Castle's house.

Peak, Peaked roof on Burton Newcomb's house.

Henry C. A. Meed's house, Has black roof.

Wat, 14 foot water tank.

Tel, 30 " " " " white.

Sam, North east corner of Jas. A. Kennedy's house. Has black roof.

Fen, End of fence.

Boat, Center of boat house

Bath, " bath house and pavilion.

Law, Territorial warning sign on Mokuania Island.

Sig, " " " " " 

Hit, " " " " " 

Wed, " " " " " 

Cor, South east corner of house with green roof.

We, Center of small green house

Rad, Radio pole on green roofed house.

Respectfully submitted,

Hubert A. Paton
Lieut., U.S.C. & G.S.
LANDMARKS FOR CHARTS

Honolulu, T. H.

September 11, 1933

DIRECTOR, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted.

Hubert A. Paton
Lieut., U.S.C.& G.S.
Chief of Party.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>POSITION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATUM</th>
<th>METHOD OF DETERMINATION</th>
<th>CHARTS AFFECTED</th>
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<tbody>
<tr>
<td>Tank</td>
<td></td>
<td>21 40 366</td>
<td>157 56 0</td>
<td>5</td>
<td>Standard Topo</td>
<td>4110</td>
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<tr>
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<td>21 40 1004</td>
<td>157 57 0</td>
<td>9</td>
<td>Standard Topo</td>
<td></td>
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<tr>
<td>Boat house</td>
<td></td>
<td>21 39 1635</td>
<td>157 55 0</td>
<td>9</td>
<td>Standard Topo</td>
<td></td>
</tr>
</tbody>
</table>

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it: for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaffs and like objects are not sufficiently permanent to chart.
TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. AA

REGISTER NO. 4755

State... Hawaiian Is.

General locality... Northeast Coast of Oahu

Locality... Kahuku Pt. to Laie Point Area

Scale... 1:5000 Date of survey... June 19, 1935

Party... Vessel Inshore Hydrographic Survey of Oahu

Chief of Party... Lieut. Hubert A. Paton

Surveyed by... H. A. P. Inked by... H. A. P.

Heights in feet above... to ground to tops of trees

Contour, Approximate contour, Form line interval... feet

Instructions dated... July 14, 1935

Remarks:... Surveyed in cooperation with the U. S. Army