

4755

U. S. COAST & GEODETIC SURVEY  
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Form 504  
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R.S. Patton..., Director

State: Ter. Hawaii

DESCRIPTIVE REPORT  
4755

Topographic }  
Hydrographic } Sheet No. A A

LOCALITY

Northeast Coast of Oahu

Laie Bay to Kahuku Point

1933

CHIEF OF PARTY

Lieut. Hubert A. Paton

U. S. GOVERNMENT PRINTING OFFICE: 1931

DECLASSIFIED BY NOAA  
PURSUANT TO DOC SYSTEMATIC REVIEW  
GUIDELINES AS DESCRIBED IN SECTION  
3.3(a), EXECUTIVE ORDER 12356

## REVIEW OF TOPOGRAPHIC SURVEY No. 4755

Title (Par. 56) *N.E. Coast Oahu, Hawaii Is., Kahuku Point to Laie*

Chief of Party *N.A. Paton* Surveyed by *N.A. Paton* Inked by *N.A. Paton*

*Party* ~~Solo~~ *Inshore Hyd. Surr.* Instructions dated *July 14, 1931* Surveyed in *June, 1933*  
*of Oahu*

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.E. of Kihewamoku l. shown on H. 3289 was not shown on this sheet but was developed by this party on H. 5319*
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.) ✓ OK
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) ✓
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *Decl. at A Keana = 11' 4" E - OK at A Laie, decl. = 8' 5" E. Azimuths to A Keana and A Kahuku Mill Chim. were checked and found OK. May be local attraction at Laie.*
18. The geographic datum of the sheet is 1930 standard Datum and the reference station is correctly noted. (Par. 34.) OK
19. Junctions with contemporary surveys are adequate. OK
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) OK
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.) OK
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. Q. Paton, Dec. 11, 1933.*

Examined and approved:

*L. O. Lobbut.*  
Chief, Section of Field Records

*L. O. Lobbut.*  
Chief, Division of Charts

*J. S. Borden*  
Chief, Section of Field Work

*G. F. Rice*  
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.

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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  
MALAEKAHANA STREAM  
KALANAI POINT  
LAIEWAI STREAM

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

PROMINENT AND PERMANENT OBJECTS:

Kii,  $1\frac{1}{2}$ " galv. iron pipe set in concrete and marked "JEMKII 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,  $1\frac{1}{2}$ " galv. iron pipe set in concrete and marded "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. Mead's house, Has black roof.

Wat, 14 foot water tank.

Tal, 30 " " " , white.

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

Fen, End of fence.

C. H. Cook's house. Has green roof

Boat, Center of boat house

Bath, " " bath house and pavilion.

Law, Territorial warning sign on Mokuania Island.

Sig, " " " " " "

Hit, " " " " " "

Wad, " " " " " "

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*

Hubert A. Paton

Lieut., U.S.C. & G.S.



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

LIBRARY AND READING ROOM

OCT 17 1933

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TOPOGRAPHIC TITLE SHEET

REG. NO. 4755

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 Territory of Hawaiian Is.

General locality Northeast Coast of Oahu

Locality Kahuku Pt. to Laie

Scale 1:5000 Date of survey June, 1933

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, 1933

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