

check of papers by LOC

5298

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

AUG 28 1933

Acc. No. _____

Form 504
Ed. June 1928

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton Director

State/Terr. of Hawaii

DESCRIPTIVE REPORT

~~Topographic~~ } Sheet No. 53 5298
Hydrographic

LOCALITY

Hawaiian Islands

Kekaa Pt. to Hanakoo Pt.

Island of Maui

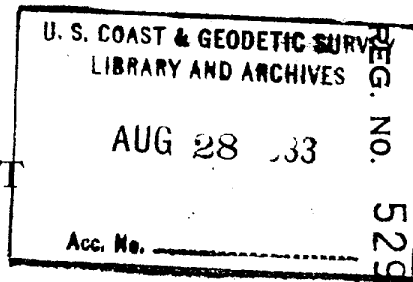
19 32

CHIEF OF PARTY

O. W. Swainson

5298

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY



HYDROGRAPHIC TITLE SHEET

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

Field No. 53

REGISTER NO. **5298**

State ~~Territory of~~ Hawaiian Is.

General locality ~~Maui Island~~ West Coast of Maui

Locality Manakoo Pt. to Kekaa Pt.
~~Kekaa Pt. to Manakoo Pt.~~

Scale 1-5000 Date of survey January 13, 14, 1932

Vessel U. S. C. & G. S. S. PIONEER

Chief of Party O. W. Swainson

Surveyed by C. K. Green and V. M. Gibbens

Protracted by J. R. Jahn, Draftsman

Soundings penciled by J. R. Jahn, Draftsman

Soundings in fathoms ~~Feet~~

Plane of reference Mean Lower Low Water

Subdivision of wire dragged areas by

Inked by

Verified by

Instructions dated October 21, 1931

Remarks:

DESCRIPTIVE REPORT
TO ACCOMPANY SHEET NO. 53.

HAWAIIAN ISLANDS PROJECT 69.

U.S.C. & G.S.S. PIONEER

O. W. SWAINSON, CMDG.

INSTRUCTIONS DATED

October 21, 1931.

LOCALITY

Kekaa Point to Hanaka Point, Maui Id.

SURVEY METHODS

The area was surveyed by the starboard and port Launches, using the handlead to obtain soundings. Control was by visual fixes on triangulation and topographic stations. The topography was done by E. O. Heaton, H. & G. Engineer, in January, 1932, to locate the signals. Due to Mr. Heaton's transfer to the Washington Office, before the sheet was inked, the sheet was sent to him to be completed. The shoreline is left in pencil on the smooth sheet as it was copied from the boat sheet. ✓

DISCREPANCIES

Pos. 15a (Vol. 1) apparently plotted wrong on the boat sheet as the fix recorded gives a location that checks better as to depth. ✓

3A (Vol.1) apparently plotted wrong on the boat sheet as the fix recorded checks according to depth as determined by the regular system of sounding lines ✓

DANGERS

No dangers were located in the area covered by the sheet. ✓

CHANNELS

No channels in area covered by the sheet. ✓

ANCHORAGES

The sheet is a development of the ship mooring north of Kekaa Point where freighters moor to the mooring buoys to receive or discharge freight from lighters or barges. ✓

COMPARISON WITH PREVIOUS SURVEYS

The southern limit of sheet overlaps northern limits of sheet 2459a. The soundings check very well, in general within one fathom. A tracing of 2459a is enclosed and five soundings that do not check are encircled in red ink. The new survey obtained more soundings and is believed to be more correct. ✓

See tracing of H3513 enlarged to 1:5000. The several deep soundings appear in error ($20^{\circ} 56.3'$ and $156^{\circ} 42'$) as new development obtained no sounding that checks either of the old ones. Only one buoy remains in the location as shown on H3513, the others either having been moved or discontinued (also see notes on tracing enclosed in sheet). ✓

GEOGRAPHIC NAMES

No new geographic names are assigned on this sheet. ✓

STATISTICS

	Statute Miles Sounding Line	Number of Soundings	Number of Positions
Stbd. Launch	24.0	1003	278
Port Launch	<u>16.5</u>	<u>430</u>	<u>123</u>
Total for Sheet	40.5	1433	401

O. W. Swainson
O. W. Swainson,
H. & G. Engineer,
Chief of Party.

CHIEF OF PARTY'S REPORT OF INSPECTION OF SMOOTH SHEET

The sheet was plotted by J. R. Jahn, Civil Engineer draftsman, and verified by E. K. Burdick, Civil Engineer draftsman, in the following manner:- The protracting of the positions was verified by comparison with the boat sheet and any discrepancies verified by re-protracting. The plotting of all the soundings was verified from the record books. Errors found by the above verification were checked and corrected by J. R. Jahn, draftsman. The final inspection and writing of the Descriptive Report was made by C. J. Wagner, Jr. H. & G. Engr., The sheet and records are recommended for approval.

O. W. Swainson

O. W. Swainson,
H. & G. Engineer,
Chief of Party.

Section of Field Records
Report on Hydrographic Sheet No. 5298
Kauakoo Point to Kekaa Point
West Coast of Maui
Hawaiian Islands.

No carbon
required

Surveyed January 13-14, 1932.

Instructions dated October 21, 1931 - Vessel - U.S.C. & T.S.S. Pioneer
Chief of Party - O. W. Swainson
Surveyed by C. K. Ferris and V. M. Gibbens
Plotted by J. R. Jahn, draftsman
Soundings penciled by J. R. Jahn, draftsman
Topography transferred by W. L. Mullen from sheet 4681
Verified and inked by W. L. Mullen

The records conform to the requirements of the Hydro-
graphic Manual with the exception that no bottom
characteristics were taken on a day in Volume 1 of
the records.

The depth curves can be drawn with the exception
of the one fathom curve which can be partially drawn.

The field plotting was complete and excellently
done.

W. L. Mullen

September 12, 1933.

Division of Hydrography and Topography:

Division of Charts:

Tide Reducers are approved in
2 volumes of sounding records for

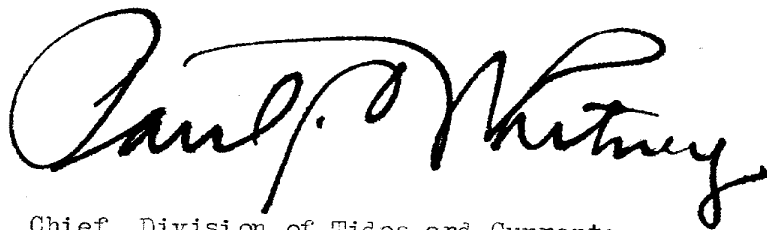
HYDROGRAPHIC SHEET 5298

Locality Hanakoo Pt. to Kekaa Pt., west Coast of Maui Id., T. H.

Chief of Party: O. W. Swainson in 1932
Plane of reference is mean lower low water, reading
3.4 ft. on tide staff at Lahaina
9.6 ft. below B. M. 1

Height of mean higher high water above plane of reference is 2.0 ft.

Condition of records satisfactory except as noted below:


A large, stylized handwritten signature in black ink, reading "Carl P. Whitney". The signature is written in a cursive, flowing style with prominent loops and flourishes.

Chief, Division of Tides and Currents

SECTION OF FIELD RECORDS
Review of Hydrographic Sheet No. 5298.
Kanakao Point to Kehaa Point, West Coast of Maui,
Hawaiian Islands.
Surveyed January 1932.
Instructions dated Oct. 21, 1931 (Pioneer, Proj. 69).

Chief of Party - O. W. Swainson.
Surveyed by - G. K. Green, V. M. Gibbens.
Protracted and soundings plotted by - J. R. Jahn.
Verified and inked by - W. L. Mullen.

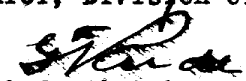
1. The records conform to the requirements of the Hydrographic Manual. No bottom characteristics were recorded during "a" day, blue.
2. The plan and extent of development conform to the regulations and satisfy the specific instructions, except that two few bottom characteristics were recorded.
3. Soundings are consistent and depths at crossings of lines are in good agreement.
4. Depths curves can be drawn satisfactorily.
5. Junction with H. 5297 is adequate. The inset on scale 1:20,000 covers a part of the area represented by H. 5298 which latter sheet is a resurvey on larger scale.
6. Comparison with previous surveys, which were all made on smaller scales, shows good general agreement with the exception of a few soundings on the old surveys that are either too deep or out of position. The end of one line on H. 2459a (1913) is about 1 fathom shoaler. The deep soundings on H. 3513 (1913) may have been errors in reading leadline or recording. The present survey should govern in both instances. There is no large scale chart of this anchorage. Chart 4130 is not in conflict with the new survey.
7. Field drafting was satisfactory. Shoreline and names were added to the sheet in the office for reasons shown in the Descriptive Report.
8. Recommendation. This sheet (H. 5298) should supersede all previous surveys for charting purposes. The inset on H. 5297 is in substantial agreement with H. 5298 but of smaller scale, 1-20,000, and less intensive development.
9. Reviewed by - R. J. Christman, Dec. 13, 1933.


L. O. Colbert,
Chief, Section of Field Records.


Chief, Section of Field Work.

Examined and approved:


Chief, Division of Charts.


Chief, Division of H. & T.