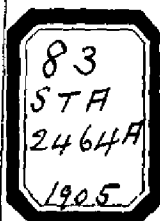


2464a



Treasury Department,
U. S. COAST AND GEODETIC SURVEY.

O. H. Tittmann
Superintendent.

State: *T. H.*

DESCRIPTIVE REPORT.

Topographic Sheet No. *2464A*

LOCALITY:

*Island of Hawaii, Kilauea
Bay*

1905

CHIEF OF PARTY:

J. F. Pratt

U. S. C. & G. SURVEY,
LIBRARY AND ARCHIVES,
APR 20 1905
Acc. No. *2464A*

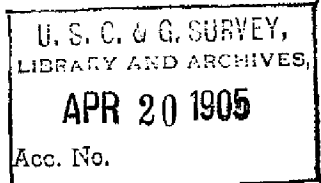
2464a

Department of Commerce and Labor

Coast and Geodetic Survey

O. N. Littmann,

Superintendent



Hilo Bay.

Island of Hawaii

J. N.

Topographic Additions

to

Chart of Hilo Bay

(No 4103)

Executed

February 27 and 28, 1905

by

H. L. Beck A.D.

Scale 1/10 000

under charge of

J. F. Pratt Assistant

Comd'g U. S. S. Patterson.

Description report

To accompany topographic additions
to chart of Hilo Bay.

Topographic Addition
With Planetable

6
Chart of Hilo Bay I. H.
(No 4103)
Scale 1/10 rev.

As the operation of printing (correcting the paper) made the chart, No 4103 out of proportion the points used were plotted on a bucked sheet by the lengths of the triangle sides as obtained from the "Hawaiian Government-Survey Office" which are as follows.

Mokuaia to R.C. Church & Spire

Azimuth- $75^{\circ} 25' 28''$ Distance 6844.4^f

Huaheo to R.C. Church & Spire

Azimuth- $352^{\circ} 53' 32''$ Distance 6751.4^f

Halai to R.C. Church & Spire.

Azimuth- $222^{\circ} 39' 49''$ Distance 4405.7^f

(2) The opportunity for making these additions was very short - otherwise more would have been accomplished.

(3) The small sketches ^(? temporarily) attached to the chart represent the appearance of the respective spires ~~very~~ accurately and I suggest that they be reduced in size and put on future editions of the chart for the range marks.

(4) The tall black stack of the Hilo Sugar Co's Mill in conjunction with the outer end of the new wharf and the Catholic Church spire will offer excellent day marks for making an anchorage. All vessels anchor here. They can only lay at wharves during the smoothest of weather.

(5) For night entrance the bearing given for the City Red Light will serve for the first course until the new red light near the new wharf ~~be~~ ^{is} given when the latter course will lead to an anchorage. The green and the two red lights will serve to obtain an anchorage position.

The shore and wharf line executed on this sheet amounts to approximately $\frac{7}{8}$ statute mile and the roads and railroad to about $\frac{1}{16}$ statute mile.

The work on this planetable sheet has been transferred to the accompanying chart in red.

The shoreline beyond that in the vicinity of the Hilo Sugar Co's Mill is very crude and defective

J. J. Orrell
pt.
comd.

U. S. S. Patterson

Seattle W.

April 12, 1905

83 STA
2464
1900+

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2464
2464a

U. S. COAST AND GEODETIC SURVEY.

Henry S. Pritchett Superintendent.

State: *H.I.*

U. S. & G. CO.
LIBRARY AND ARCH.
JUL 19 1900

Acc. No.
51724

DESCRIPTIVE REPORT.

Topographic Sheet No. *2464*

LOCALITY:

Hilo, Hawaii Island

1900

CHIEF OF PARTY:

F. W. Perkins

Topography of Hilo, Hawaii

The section from the Eastern limit of the topography to Waiakea Creek consists of a lava flow through a low region, making a jagged, rocky shore-line with low projecting tongues and numerous rocks both sunken and afloat.

South of Reed's Bay is a network of grassy swamps and lakes with lava islets and tangled copse.

North of Coconut Island is an extensive reef with several rocks at the northern extremity not shown on the sheet. An attempt was made on three successive days before leaving Hilo, to land at a Reef to locate these rocks but the high surf made it impracticable. They are given however on a large tracing, forwarded to the office in Washington, of the work of Mr. A. B. Lockenstem in 1896.

The northern one of the two piers is used by the Island steamers, the other being only practicable for small boats. The fixed red light shown is an electric arc on a tall pole with a pane of red glass toward the bay. It should not be confused with the fixed red light at the foot of Waienuene St. in Hilo, as the latter is merely an ordinary incandescent bulb on the corner of a shed and is comparatively inconspicuous.

The section from Waiakea to the Wailuku consists of a firm sandy beach and a regular slope from the town of Hilo toward a low section on the east under partial cultivation, terminating in a swampy region around the lagoon at the head of Waiakea Creek.

North of the Wailuku River the coast consists of rocky bluffs, up to 30 ft in height.

The upper bridge over the Wailuku and the lower one over the Waiakea were in course of erection at the time of the survey, so that the connecting roads could not be shown.

In the Town of Hilo no attempt was made to locate houses on account of the smallness of the scale for such purposes and the limited time, but they are all given on the above-mentioned tracing.