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

O. H. Sellmann
Superintendent.

State: T. H.

DESCRIPTIVE REPORT.

Topographic Sheet No. 2464A

LOCALITY:
Island of Hawaii, Kilo
Bay

1905

CHIEF OF PARTY:
J. J. Pratt
Department of Commerce and Labor

Coast and Geodetic Survey

C. N. Kittsman, Superintend

Hilo Bay
Island of Hawaii

J. N.

Topographic Additions

chart of Hilo Bay
(No. 4103)

Spectra

February 27 and 28, 1905

by

H. L. Beck Art. J.

Scale 1/10,000

under charge of

J. T. Crellin Assistant

Capt. U.S.S. Patterson

Description report

To accompany topographic additions
to chart of Hilo Bay.
To prove prophecy Additions
With Planetots

6
Chart of Hilo Bay 1st Nov
(Sw 4103)
Scale 1/10 roo.

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

Mokolola to R.C. Church & Spinn
Azimuth: 75° 25' 28" Decline 684' 24".
Ha'akea to R.C. Church & Spinn
Azimuth: 352° 53' 32" Decline 675' 4".
Halai to R.C. Church & Spinn
Azimuth: 222° 39' 49" Decline 440' 7".

(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 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 under ten, they can only lay at wharves during the smoothest of weather.

(5) For night entrance the beam given for the city Red Light will serve for the first course until the new Red Light near the New Wharf where the given green the latter course will lead to an anchorage. The green and the low red lights will serve to obtain an anchorage position.
The three and wharf from operations on this shell amounts to approximately 1/8 statute mile and the
route and railroad to about 1/6 statute mile.

The work on the planetable shell
has been transferred to the accom-
pagnying chart on page 4.

The line begins that in
the vicinity of the Shil tulac as
will be very crude and defec-

U.S.S. Patterson

Seattle, W.

April 12, 1905

F. H. W. Lee
U. S. COAST AND GEODETIC SURVEY.

Henry S. Pitts
Superintendant.

State: H. O.

DESCRIPTIVE REPORT.

Topographical 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 Tuyagu to Waiakae Creek consists of a lava flow through a low region, making a jagged, rocky shoreline with flow projecting tongue-like and numerous rocks both sunked and abash.

South of Kealakekua Bay is a network of grassy swamps and lakes with lava islets and tanglest coffee.

Rock 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 large tracings forwarded to the Office in Washington, of the work of W.S. B. Leach again 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 one in 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 Kaimuena 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 Waiakae to the Wailuku consists of a firm sandy beach and a regular slope from the town of Hilo toward a lower section in the east under partial cultivation, terminating in a swamplike region around the lagoon at the head of Waiakea Creek. North of the Wailuku River the coast consists of rocky cliffs, up to 30 ft. in height.
The upper bridge over the Wailuku and the lower one over the Waiakanu 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.