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C. & G. SURVEY.  
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JUN 30 1911  
Acc. No.

Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

Superintendent.

State: *Hawaii*

DESCRIPTIVE REPORT.

*Top* Sheet No. *3202*

LOCALITY:

*Koko Head to Mokapu  
Isd.*

*1910-11*

CHIEF OF PARTY:

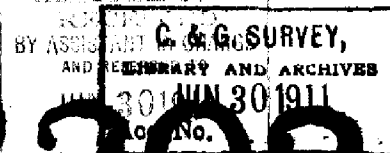
*W. C. Hobbs*

*Diagrams and Sketches*

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET NO. 3202?

COAST AND  
GEODETIC SURVEY

KOKO HEAD TO MOKAPO PENINSULA,



JUN 30 1911

OAHU, T.H.

RELIEVED BY

Scale, 1--20 000.

*Substantive Map*

This sheet shows the shoreline of the eastern part of the island of Oahu between the limits indicated in the title. Islets are also shown, but no topographic features back from the shore are included.

2. This work is controlled by the hydrographic signals, which were determined by theodolite angles observed from or to the triangulation stations. A few geographical positions were computed, and the other signals were located graphically by plotting the cuts on the sheet.

3. The positions of the triangulation stations upon which the work of this sheet depends are, with the exception of Puu Ohia, taken from the records of Assistant French, and are derived from a recomputation based upon Clarke's spheroid, using the old azimuth and also the old triangle sides, excepting where the remeasurement of the horizontal angles furnished new values for the sides. Leahi<sup>A</sup> was assumed as the initial point in making the new computation, and the geographical coordinates of that station are therefore the same as in the old data. In the computation of Koko 2<sup>A</sup> and Ridge<sup>A</sup>, made by this party, the old (T.H.) position was used for Puu Ohia, thus introducing a slight but inappreciable inconsistency into the results.

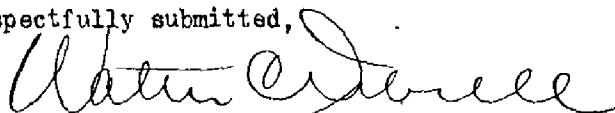
4. In running the shoreline ordinary planetable methods were used, supplemented by sextant cuts taken from the ship.

5. The eastern part of the island has for the most part a steep, rocky shore. In Waimanalo and Kailua Bays the shore is comparative-

(2)

ly low, with a range of hills of moderate elevation terminating in a rocky point between the two bays. More complete description of topographic features will be included in a general descriptive report of the island, to accompany the hydrographic sheets.

Respectfully submitted,

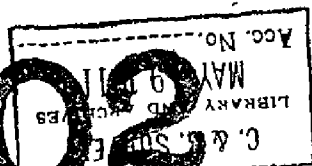
A handwritten signature in cursive script, appearing to read "Walter C. Sturges".

Assistant C. & G. Survey,

Chief of Party.

Washington, D.C., June 28, 1911.

*Title* **3202**



Department of Commerce & Labor,  
Coast and Geodetic Survey  
O. H. Pittman, Sup't.

Topographic Sheet No. 13202.

Kopo Head to Mokuia Islands  
Eastern end Oahu Island  
T. H.

Scale 1:20000  
Begun November 1910  
Completed January 1911

Steamer Explorer

Walter Dineen, Asst. C. & G. S., Chief of Party

Topography by D. M. Trueblood, Asst.  
and R. R. Lukens, Aid

Projection by O. B. French, Asst.  
Sheet inked by R. R. Lukens, Asst.

Statistics:  
22 statute miles shore line

# Koko Head - Waimanalo Bay sheet

Sta.	Des.	Lat	Long	Remarks.
Kap	Signal	21 27 1344	157 43 950	
Mill	Wind Mill	21 26 1705	157 44 688	near mokuapu
Wind	"	21 25 770	157 45 12	
Flat	Signal	21 24 352	157 43 670	on small flat island
Duck	"	21 23 1277	157 42 110	on pinnacle of Niy Island
Nail	"	21 22 1810	157 42 887	on rky point
Cow	"	21 21 1260	157 42 1245	on sanddune
Chim	Chimney	21 20 1745	157 43 960	Bright stack Waimanalo Plantation.
Horse	Signal	21 20 1270	157 42 370	on sanddune
Torn	"	21 19 1590	157 39 933	On pinnacle Manna Island
Cairn	"	21 17 645	157 40 750	Pile of rocks around signal
Lava	"	21 17 1327	157 39 1440	Pole signal