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AUG-8 1914  
Acc. No.

Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

\_\_\_\_\_  
Superintendent.

State: \_\_\_\_\_

DESCRIPTIVE REPORT.

*Yp.* Sheet No. *3443*

LOCALITY:  
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CHIEF OF PARTY:  
\_\_\_\_\_  
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3443

## DESCRIPTIVE REPORT.

To accompany Sheet "J", Hanamalo Pt. to Kahuku Lava Flow of 1887, Island of Hawaii  
Eoline R. Hand, Asst., Chief of Party.

The shoreline and terrain embraced within these limits consists of lava flows, for the most part absolutely barren. The shore is irregular and varies from a gentle slope to water's edge to low cliff line, rarely over 50 ft. in height. As explained in previous reports the shore line is made up of two distinct kinds of rock: that formed of smooth lava, or "pahoehoe", is flat on top and drops vertically to water, like a stone pier, and there is generally deep water close to. The other variety is composed of rough lava cinders, called "aa", sloping rather abruptly to the water, and being loose, subject to slight changes account erosion at base: at the base of this variety of cliff there are generally many rocks, both awash and sunken: it is better to make landings on the "pahoehoe".

There are several excellent sand beaches, marked "landing" on the sheet, and since this is the lee side of the island during the "trades" a landing is nearly always possible, even when the surf makes landing risky at other points.

No offshore dangers were observed excepting a shoal near S. end of sheet, as indicated. I am unable to say how far out this shoal extends.

There is an anchorage at Kapua Bay, and it is used frequently by the S.S. Mauna Loa, of the I.I.S.N. Co. She appears to anchor directly off the two houses on beach. This is the point from which cattle are shipped at frequent intervals. They are driven out into the water and towed alongside the steamer by small boats.

Pohue Bay should offer a fair anchorage since being in a deep indentation of the coast the swell should be broken up to some extent. I was unable to ascertain the depth or character of bottom.

Except at Kapua Bay there are no people living along this coast. There are two or three shacks along the shore but they are unoccupied.

By referring to the note set down near station "BARN" a section of the main government belt road may be placed.

The country presents a smooth gentle slope up toward the mountain, and is seen to be alternate strips of the smooth lava or "pahoehoe", and rough cinders or "aa", as previously described. The "aa" flows seem to be the most recent. At the shoreline it is absolutely barren, excepting isolated patches. A few hundred meters inshore straggling bushes will be seen and the vegetation increases evenly the further inshore, until at an elevation of about 1000 feet there is quite a dense growth of grass, weeds, and bushes.

No trail extends along this coast, though here and there sections of a very ancient path may be seen.

There are several interesting craters a short distance S.E. of Pohue Bay.

*Eoline R. Hand*  
Asst., U.S.C. & G.S.

# LIST of POSITIONS

T 3443.

To accompany topog. sheet "J" Hanamalo Pt. to Kahiuku Lava Flow of 1887 Island of Hawaii.

Eoline R. Hand, Asst. Chief of Party

\* suggestions for offshore.

Name	Lat.	Long.	Dist.	Height	Description and symbols.
On	19° 08'	155° 54'			Paint on lava knob at end of narrow reach, N. side Of Koe Bay.
Tin	19° 08'	155° 54'		50	Roof, corner iron, of house behind grove at Of Koe Bay.
Bo	19° 08'	155° 54'		50	Paint on cairn.
Cap	19° 08'	155° 54'			At top of two houses at Kahiuku Bay.

# LIST of POSITIONS

T 3443.

To accompany topog. sheet "J" Hanalei Pt. to KahuKahu Lava Flow of 1887 Island of Hawaii.

W. B. Dyer, Asst. Chief of Party