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O. F. Pittman
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State: *Hawaii*

DESCRIPTIVE REPORT.

Top. Sheet No. *3487*

LOCALITY:

1914

CHIEF OF PARTY:

C. R. Hand

11-4045

3487

DESCRIPTIVE REPORT

To accompany topog. sheet "N", Apua Pt. to Kaimu, Island of Hawaii. 1914.

3487.

Eoline R. Hand, Asst., Chief of Party.

This stretch of coast is peculiar in that there is an absence of the "aa" or rough lava cinder stretches, it being all (excepting small patches) the smooth lava called "pahoehoe": there are two "aa" flows shown but they did not reach the sea. A cliff traverses the sheet, paralleling the shore, and at N.E. end it merges into the slope, as shown.

The vegetation is luxuriant at N.E. end but becomes more and more scant toward the S.W. until at the end it is absolutely barren. The high point of trees above Laepuki is not a hill as it appears, but is a spot of exceptionally high timber, a growth induced by proximity to a steam crack or crater sending up warm air. This was discovered in the course of an investigation by myself, thinking the point seen was a hill which could be cleared and used in the triangulation. The bunch shown (tops 1865) is well located, but was not listed for a hyd. signal as I was not sure it would not merge with the trees behind when offshore: however it might be useful.

Kalapana is the only village of any importance: there is a good road to Pahoa (through Kaimu) but no post office and no telephone communications: there are one or two stores but no stock of any use. The large church there (sta. Ch. Kalapana) makes conspicuous landmark: it is described on sheet. There is a fine sand beach at Kalapana, and dunes behind, and also one at Kaimu. The beach at Kaimu is to be preferred in making a landing as it is more steep, and no rocks are seen at L.W. as off the beach at the former place.

There are a number of trails shown: one goes from Kalapana W. to the Volcano, passing the house named "Rea" on sheet. One goes along coast W. as far as Kahue.

I have not placed any name at the houses N. of Kupapau Pt. it is called Kapaahu by some, but other names are in use. Kapaahu is the favorite: the point is not known locally by that name, as indicated on chart. The last houses are at this point, or North, and there are no more habitations along coast to S.W. for over thirty miles or until Panaluu.

The names used are only such as are known locally: if any are omitted that are on chart it is because they do not apply to any definite place. Panau, as charted, is not a village or even a house, but applies to a considerable area extending from coast up the slope.

The only places away from the villages where water may be found, are indicated.

No offshore danger was observed, but it was noticed that it is quite shoal off Apua Point.

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

Though my semi-annual report says there was a close graphical check between the triangulation from the East, Panau-Laepuki, and Puu Kapukapu on the West I now find that the traverse overran about one hundred (100) m. which was distributed between Apua Pt. and the station Puu Kapukapu.

RH

LIST of POSITIONS

to accompany topog. sheet "N," Apua Pt. to Kaimu, Island of Hawaii, 1914.

Eoline R. Hand, Asst., Chief of Party.

* Suggestions for offshore.

Name	♂	D. M.	λ	D. R.	hei	Description and symbols.
Pray	19°21'		154°58'			Church at Kaimu. see Sheet "O" and list.
Ho	21'		58'			House at " " " " " "
Wig	21'		58'			Paint on cairn, at Kaimu.
Wine	19°20'		154°59'			" " square rock.
Oxen	20'		59'			" " end stone wall, edge cliff.
Cow	20'		59'	50'		" at highest point of cliffs, between Kalapana & Kupaapa Pt.
Pig	20'		155°00'			" on cairn in patch lava cinders 100m. W. of long, narrow low point.
Bird	20'		00'	25'		" just W. of Kii canoe landing where are "ways" of moles.
Wing*	20'		00'			Ruins old stone church.
Bind	20'		00'			Paint, + + + + on huge rock just E. of Kupaapa Pt.
Shod	20'		155°01'			" on cairn in bay at " " "
Roe	19°19'		01'			" " " 1/4 mi. W. of " " "
Sun	19'		155°02'			" " lone cocoa palm.
Fin	19'		02'	40'		" " cairn on flat lava, at highest point cliffs.
Joe t	19°20'	1007 838	155°01'	1076 675	100 1007	Isolated house, white, just E. of lava flow, 3 mi. W. of Kalapana; prop. of Joe Canerio.
Egg	19°19'		155°02'			Point on lava mound + + + +
Loy	19°19'		155°03'	25'		" " " "
Wish*	19'		03'			Windmill, red and red tank below, at Kamoamea.
Poi	19°18'		03'	35'		Paint on cairn at point just S.W. of Kamoamea " "
Jane	18'		155°04'			" on ruins stone house, Laeapuki.
Jess	18'		04'	65'		" on lava mound.
Joy*	18'	882 963	04'	1759 2	68'	" LARGE on lava mound, between 1 mi. S.W. of Laeapuki.
Pea*	19°19'	1542 340	155°06'	142 1609	1115	House, white, isolated, 2 1/2 mi. W.W. of Laeapuki; will not show much + + + + W. of N. bearing.
Sad	19°17'		155°05'	55'		Point on small lava mound.
Hug	17'		155°06'	30'		" " " "
Sit	17'		06'	45-50'		" " " "
Hig	17'		06'			" " " and circle below.
Big*	17'	203 1642	155°07'	270 1482	65'	Point, LARGE on cairn 5' high, 10' diam.
Day	19°16'		07'	20'		" on sharp cliff corner.
See	16'		07'	25'		" " flat rock set up on edge.
Set	16'		155°08'	15'		" " " Cairn built on ruins stone house E. of sand & grass area called Kaena.
Kiss	16'		08'			" " " W. of " "
Kit	16'		08'	45-50'		" " lava mound, also small cairn.
Kuk*	19°18'	1333 512	08'	1586 166	1200	Centre of area Kukui trees on steep slope, 2 1/2 mi. inshore, between Laeapuki & Apua Pt.
Don	19°16'		155°09'	45'		Paint on huge rock at Keala Komo.
Dye	16'		09'	40'		" " large cairn 300 m. inside.
Hue	16'		155°10'			" " ruins stone house; has shack built into one corner; at Kahu.
Sam	16'		10'			" two spots, each side door of great circular stone enclosure, W. of Kahu.
Sap	19°15'		10'			" on small cairn.
Vog*	15'	1687 159	155°11'	1086 696	55'	" sea end elongated pile of upheaved rock; at Apua Pt.
Stog	15'		155°12'	55'		" on smooth slope of lava mound, 2 spots 15 ft. apart; W. of Apua Pt.