



3423

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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: _____

DESCRIPTIVE REPORT.

Top.

Sheet No. 3423

LOCALITY:

191

CHIEF OF PARTY:

11-4845

3423

DESCRIPTIVE REPORT.

Top. 3428.

To accompany topographic sheet "1", Loa Pt. to Hamamalo Pt. Island of Hawaii.

1913.

Eoline R. Rand, Asst., Chief of Party

The country depicted on this sheet is just about the same as that of the sheet immediately North. The shoreline is made up of alternate "pahoehoe" (hard lava) cliffs and "aa" (rough lava cinders) though the cliffs run much higher. The country behind is more steep, and in many instances rocky cliffs and ledges are seen high up the slopes. Along the shore, excepting isolated spots, it is barren, but as the height increases, vegetation starts and becomes more and more thick. At about the 1000 ft. contour much coffee is grown, also tobacco. At about 1600 ft. the forest growth commences.

The govt. belt road continues along the entire length of this sheet but it was impossible to get a location for its control except at the extreme S. end of sheet. Owing to the contour of the country, and the woods, none of the buildings along the road are seen from the shore. An attempt was made to run a traverse up the Hoopuloa road to the main road, but it had to be abandoned account the many turns.

There is an old time trail S. from Kaapuna, but not now used to any extent. There are good roads up to the main road from both Hoopuloa and Hookena.

As they were not required for control, and their location seemed not to be favorable for their use as offshore Hyd. signals, the upper triangulation stations shown on sheet were not searched for: again they could not have been found without considerable loss of time.

Although I could hear of no offshore dangers, and observed no discolored water or signs of breaking, I am not sure that this shore is free: I know that there is shoal water just off Milolii, and the great amount of "aa" coast would indicate that there ~~may~~ be many sunken rocks.

There are two landings, Hookena and Hoopuloa. The Honolulu steamer which leaves every ten days, stopping at Kailua, Keauhou, Napoopoo stops also at both these places also on its return trip from the South.

Both places have wharves, a post Office, and ship colice and some tobacco, though they are not in any way as important as either Kailua or Napoopoo. Each place has a light, red, private, displayed on steamer nights (I. I. S. N. Co.) At Hoopuloa there are two lights, red, private, as noted on sheet.

There is no protection for small boats at either place and if there is any surf running, landing at the wharf ~~at either place~~ is a matter of some skill.

There are no stores where supplies can be obtained and the small amount of water in tanks is held at an exorbitant price.

Eoline R. Rand

DESCRIPTIVE REPORT.

5

To cover between the sheet "11" to "24" to include the balance of the

LIST of POSITIONS.

T 3423.

To accompany Sheet "I", Loa Pt. to Hanamalo Pt., Island of Hawaii.

1913

Edine P. Hand, Asst. Chief of Party.

* Suggestions for offshore.

Name	B	D.M.	λ	D.P.	Met.	Description and symbols.
Join	1923		155°54'		15	Paint spot on cliff edge. Same sta. on sheet "H." Loa Pt.
Fly	23		54		10	" [B]
One	23		54			Neat green cottage, lt. blue trimmed; gingerbread work on porch posts; at Heaia.
Good	23		54			Pu'uauna church, stone, red roof, wh. cupola, red octagonal spire; at Hanalei Hookena.
Doct	1924	1798	54	1657		Outingable, wharf at Hoofana, Orient on S. side of Kapaemahu, on "Rim," highest E. rim of crater.
Poi	22		155°53'			Sharp point base cliffs.
Wed	22		53		30	" cliff wedge
Nut	22		53			Paint on outermost coco tree
Fry	22		53			Church, small, yellow, red roof
Vat	22		53			Windmill
Lim	17°21'		53		70	Paint (A)
Hern	21		53		31-45	" [B] edge of cliff of rough aa lava.
Bif	21		53		43	" near S. Limit rough lava.
Hoe	19°20'		53		12	" (M) on smooth "panache" cliff.
Slac	19		53		525	A signal high above a central lava stream that part of slough which shows best, could be used for offshore, shifting the station to the opposite side of slough. Sta. at top of cliff implied above.
Lap	20		53		15	Top of Lapauna Rock not detached.
Boyl	20		53			Paint
Lad	1924		53		8	Rock, soft, long, soft wide; off offshore.
Hid	19		53		40	Paint [B] port way down cliff
Good	19		53			Windmill at Kaulua Pt.
Mag	19		53			Paint (B)
Ho	19°18'		53		15	" (A)
Why	18		53		15-20	" (A) on large stone edge cliff.
Rim	18	332	53	762	185	The highest point of rim of crater at Aua Pt. Orient on "Doct" Hookena wharf
Wish	17°10'		53		30	Paint spot.
Map	17		53		20	" (A)
Kid	17		53			" [B]
Zest	17		53		70	" edge high cliff.
Ex	17		53			" (A)
Purr	19°16'		53			" [B]
Tin	16		53			" (A)
Flat	16		53		55	" spot.
Puny	16		53		80	Archaic hexagonal shaft of rock even with cliff top but has fallen away about 6 ft.
Rail	1925		53		65	House, unpainted, two story, has balcony.
Slide	15		53		500	Top of abandoned wood slide, where stone wall cuts it; slide comes straight down steep slope; much debris scattered along and piled up at base.
Kip	15	19°54'	54		35	Paint spot
Bee	15	1844	54		28	" [B]
Dots	18°44'		54		45	" (A)
Bald	14	19°53'				Flat top rock on South side boulder beach; caution: similar rock N. side.
Arch	14	19°54'			60	Immense perp. sided rock offshore; has arch.
Patz	14	19°53'			640	Highest tip of lava patch, on cone; has green below, above, and on N. side. Bears N. side from E. Napo'ona to 1000.
Mass	1923		19°54'		30	Paint (A)
Clac	13		54		80	Slender lava pinnacle; has old shanty close, on S.E. side
Soap	13		54		15	Paint spot.
Shant	13		54		40	White shanty, roof sloping base, made of alternate strips painted & unpainted.
Sheat	13		54		50	Paint, 4 square and letter inside.
Wall	1926		54		70	Whitewashed shed, shingle roof, wall around; at Papa.
Worn	12		54		15-20	Paint on water worn stone, set up in lava.
Haka	12		54		35	" spot.
Cairn	12		54		28	" on cairn out on sharp, flat point.
Hoop	12		54		15	"
Warp	19°11'	1798	54	696		SW. corner wharf at Hoopy loe; is pos. of front lantern of Private Range.
Lac	19°11'		155°54'		15-20	Paint spot.
School	11		54			School, grey; tank at Mead; at Milolii.
Shed	19°10'		54		25	Paint (A)
Sand	10		54			" [B]
Er	10		54		10	" (A) S. end big sand beach.
Nuts	10		54		15	" on cairn of water worn stones.
Pill	19°08'		54		15	" (A)
Bin	09		155°53'			" spot.

Kalahika

Kaapuna

Alika

LIST of POSITIONS.

T 3423.

To accompany Sheet "I", Loa Pt. to Hanamalo Pt., Island of Hawaii.

1913

Eoline Rhard, Asst., Chief of Party.

Name	Date	Lat.	Long.	Height	Description and symbols.
Join	1923	155° 54'	15		Paint spot on cliff edge. Same sta. on sheet "H." } Loa Pt.
Flax	23	54	10		" □
110	23	54			Neat green cottage, 12 blue trimmed, gingerbread with tin porch posts. } at Kealahi.
Good	23	54			Pukuanu Church stone, sea roof, wh. cupola, red octagonal spire. } at Hanamalo Hooker's.
Moak	1921	154° 57'	54	84	Outer globe, wharf at Hanamalo.
Pot	22	155° 53'			Sharp point base cliffs.
Week	22	53	50		" cliff wedge
Aue	22	53			Paint on outermost coco tree
Proy	22	53			Church, small, yellow, red roof } Kealahi
Lat	22	53			Windmill
Lim	1721	53			70 Point (A)
Hern	21	53	144		" □ edge of cliff of rough lava.
Bif	21	53	43		" near S. limit rough lava.
Hoe	1920	53	12		" (M) on smooth "pinnacle" cliff.
Stoa	21	53	525		A signal high above, containing large signal that part of rough which shows dark, sandy beach.
Leu	21	53	75		Top of Lepeomau Rock; out into sea.
Boye	21	53			Paint
Lad	1924	53	8		Rock, 30 ft. long, 10 ft. wide, 6 ft. offshore.
H.W.	19	53	40		Paint □ part way down cliff
Gaur	19	53			Windmill of Hanamalo Pt.
Mag	19	53			Paint (B)
Aro	1918	53	15		" (C)
Way	18	53	1520		" A on large stone edge of cliff
Pim	18	1532	53	762	185 The highest point of rim of crater at Aue Pt. S. side.
Wish	1911	53	30		Paint spot
Map	19	53	20		" A
H.W.	19	53			" □
East	19	53	70		" edge high cliff
Er	19	53			" (A)
Pury	1916	53			" (B)
Tin	16	53			" A
Flat	16	53	55		" spot
Puny	16	53	80		A rough, hexagonal shaft of rock even with cliff top but has fallen away about 6 ft.
Rail	1928	53	65		House, unpainted, two story, has balcony.
Slide	15	53	500		Top of abandoned wood slide, where stone wall cuts it; slide comes straight down } Keapuna.
Hip	15	19	54		Steep slope much debris scattering along, 2 ft. piled up at base.
Boe	15	1844	54		25 " (B)
Dots	1924	54	45		" (C)
Bald	14	19° 53'			Flat top rock on South side boulder beach; center similar rock to side
Arch	14	19° 54'	10		Immense perp. sided rock offshore; has arch.
Park	14	19° 53'	640		Highest tip of Lanapatch, on one of green belt, above, and on side bears most prominent & Napo haka ulou.
Moss	14	19° 54'	30		Paint A
Clot	13	54	50		Slender lava pinnacle; has old shanty close, on S.E. side
Soap	13	54	15		Paint spot.
Shant	13	54	40		White shanty, roof sloping down, made of alternate strips painted & unpainted. } Alii
Shet	13	54	50		Paint, a square and taller inside.
Wall	1922	54	70		White washed shed, shingle roof, wall around; at Papa.
Worn	12	54	1520		Paint on water worn stone, set up in lava.
Haba	12	54	35		" spot.
Cain	12	54	28		" on cairn out on sharp, flat point
Hoop	12	54	15		"
Wart	1911	1922	54	625	Sw. cen. wharf at Hoop for is pos. of front lantern of private range.
Cut	1922	155° 53'	700		Lava crater in bend of Hoop a rough like a ditch when seen from S.E.
L.A.	1921	155° 54'	1520		Paint spot.
Scho	11	54			School, grey; tank at head; at Mito Lili.
Scho	1916	54	25		Paint (A)
Sand	10	54			" □
Er	10	54	10		" A S. end big sand beach.
Nurs	10	54	15		" on cairn of water worn stones.
Pill	10	54	15		" (C)
Bin	09	155° 53'			" spot.