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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State:

DESCRIPTIVE REPORT.

Top. Sheet No. 3393.

LOCALITY:

Hawaii - West Coast -

Kaunaloa to Union Point.

1913

CHIEF OF PARTY:

E. R. Howard

11-4646

Small bit of top'y near lat $20^{\circ}03\frac{1}{2}'$ applied to compilation 4167
Z.M.A. Mar. 1941
Applied to compilation 4140 Z.M.A. June, 1941

LIST of POSITIONS

To accompany Sheet "E," Union Mill to Kawaihae Lt., Hawaai Co. T. H.
Eoline R. Hand, Asst., Chief of Party.

Name	#	D.M.	7	D.R.	Hel.	Description, and symbols, in white paint
Cor	20 15		155 48			See sheet D sharp corner of point at H.W.
Got	15		48		2	A very sharp point extend flat shelf: cave on E. side.
Me	15		155 49			Paint, (H)
Wad	15		49		0	Sharp cliff point: paint, to identify only, on 2 fence post edge cliff 20 m. W.
Mo	15		49		30-40	Paint, possibly a circle with "P" in centre.
Kep	20 16		49		30	Paint, end ledge off Δ Kepuhi.
Ho	16		155 50		25	Paint.
Lid	16		50		90	"
Lim	16		50			" O O
Mud	16		155 51		15	" Δ Δ
Wat *	16	163 1530	51	1127 674	70-90	Water tank
Del	16		51		60	Paint, ⊕
Sad	16		51			" □ out on point
Mill	16		155 52		15-20	" ++
Sol	16		52			" ◇
Pit	20 15	1434 677	52		10	" ⊗
Del	15	1127 674	52	1540 207	50m	Small house, wall around, at round point.
Salt	15		155 53		10	Paint, ≡
Jim	15		53		10	" [8]
War	15		53		8	" [A]
Wind	15		53		4 60m	Windmill N side Honoipū Ldg.
Red	20 14		53		10	" White bldg. at derrick, red roof.
Teach *	14		53		135	" School, Honoipū, cupola, steeple, wall around, + trees.
Ex	14		53			" Paint, XX of Honoipū Ldg.
Hon	14		53		4	" ⊗ S. side Honoipū Ldg. at point
Live	14		53		50m	Small house.
Fin	14		53			Paint, [M]
Raise	20 13		155 54			Windmill S of Honoipū Ldg. 1 1/4 mi.
Gross	13		54		25-30	Paint, [H]
En	13		54		10	" [D]
Roof	20 12		54			Upper and larger of two small sheds.
Round	12		54		5	Paint, (N)
Try	12		54		10	" [A]
Hat	12		54			" [H]
Same	20 11		54		20-30	" ⊗ white wash coin closets, (French 1910)
Derrick	11	1384	54	1385	8-8	Derrick at Mahukona, formerly Δ Derrick (French 1910) but shifted.
Note	20 10		54		10	Paint, [A]
Em	10		54		10	" [M]
Five	20 09		54		5	"
Cat	09		54			" inside old stone house
Sid	09		155 53		5-10	" ⊕
May	08		53		8	" corner stone house.
Loose	08		53			" on loose rock
Bold	08		53		15-20	" " round boulder
Ten	07		53		10	" " loose rock
Dome	07	1385 337	53	1276	25-33	" " back end stone house, has dome like appearance. Or near Puu Hehena.
Cairn	07		53		30-35	" " large rectangular cairn.
Pile	07		53		20	" " pile of rocks, 2 spots.
Love	20 06		53		5	" " out on love point.
Lie	06		53		20	" " on highest pinnacle at Malaea Pt.
Fat	06		155 52		10	" ⊕
Dog	06		52		10	" " on cairn.
Bee	20 05		52		5	" ⊗
High *	05		52		125	Large cairn 130 m. NNE from deep cave, white beach: Dove is 700 m. S.E. from "Bee"

DESCRIPTIVE REPORT.

To accompany topographic sheet "E", Union Mill to Kawaihae Lt., Hawaii.

Eoline R. Hand, Asst., Chief of Party

This sheet shows the last of the cane land and of the cliff line, both of which have been continuous since Sheet "A", Hilo, excepting, for the cane, the stretch between Waipio Valley and Pololu Gulch. Conditions become less and less favorable for cane growing toward the West until about a mile W. of H. oea Mill it ceases to grow altogether. This is because there is no rain and also because, being no rain, no soil has been formed to cover the rocks. As one proceeds S. the vegetation is seen to be more and more scant until in the vicinity of Kawaihae there is nothing, excepting the Algeroba trees which grow close to the water.

The West side is an apparently smooth slope to the mountain, but in places is made up of innumerable small knolls: it has a yellow appearance due to the decomposing lava rock, and there is practically nothing growing for over a mile inland and up.

The Hawaii Railway, previously described, continues along this sheet to its terminus at Mahukona: in consequence of this road the landing at Honoipu is being abandoned as all freight and sugar will be handled at Mahukona.

There is a new road out of Mahukona to the North and the old one farther inshore is no longer used.

Between Honoipu and Mahukona there are only one or two occupied houses, and from Mahukona S. to Kawaihae there is a stretch of absolutely unoccupied land, the reason being no water and no soil: however at one time, probably one hundred years ago, this latter stretch along the coast was thickly inhabited for there are to-day hundreds of the native stone houses common to that period, and for the most part standing in as good shape as if but recently built: here and there are evidences of artistic tendencies in the way of fancy winding stone walks edged with bright colored bits of coral. It is claimed that many years ago this coast had a different climate.

Old charts show names along this coast above mentioned but I have talked with many natives and could verify none but Malaea Pt. They are familiar with the names I mention but are unable to assign them to any particular points or inlets, and as I say, there are now no villages. It would seem that these names are more connected with traditions than with present localities.

Also I tried to verify chart names Eastward from Upola Pt. as given on chart 4115, although those I interviewed were not familiar with these names I do not say they are not correct: what names as are locally known as far as I could learn, I have put on my sheet.

This chart shows roads from Mahukona to Puu Hue and Kawaihae to Puu Hue: these are but faint horse trails (see sheet).

The light at Kawaihae, F.R. is sixty ft. above H.W. and on top of trestle about 34 ft high: close to the shore a little less than a mile N.W. the algeroba trees have grown to such an extent as materially to injure the effectiveness of this light: when a vessel leaves Mahukona for Kawaihae she cannot because of this pick up the light till close at hand.

The light should be raised or the trees cut: the latter is suggested.

Eoline R. Hand

Asst., U.S.C. & G.S.

DESCRIPTIVE REPORT.

Duplicate

To accompany topographic sheet "A", Union Mill to Kawaiie Lt., Hawaii.

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

This sheet shows the east of the cane land and of the cliff line, both of which have been continuous since sheet "A", dilo. excepting, for the cane, the stretch between Waipio Valley and Pololu Gulch. Conditions become less and less favorable for cane growing toward the west until about a mile N. of H. oea Mill it ceases to grow altogether. This is because there is no rain and also because, being no rain, no soil has been formed to cover the rocks. As one proceeds S. the vegetation is seen to be more and more scant.