

3531

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: _____

DESCRIPTIVE REPORT.

Sup. Sheet No. 3531

LOCALITY:

191

CHIEF OF PARTY:

See report # 5311 for
discrepancies in location
of signals.

DESCRIPTIVE REPORT.

3531

To Accompany topog. sheet "C", sta. Pua Papai to Lamaloa Hd. Molokai Island, T.H.
April 1915. Eoline R. Hand, Asst. Ch. of Party.

This sheet embraces the extreme E. end of island, and the S. coast to a little beyond the village of Kamaio.

The slopes to the West are more even, more steep and much more deeply eroded than those at the East end: I have endeavored to show how regular in outline are the great gulches, how deep and wide at the inner ends, lessening as they approach the sea, and how they cut the otherwise continuous coast-parallel contours at sharp angles. Slopes and gulches are covered with scant grass, which, however, is more luxuriant than that of the land embraced by sheet "B": it is seen to be more and more green toward the E. end of island: I have only indicated grass on the coast flats where it is quite heavy in places. Sta. "Kamakou" the highest point of the island (4970 ft.) comes within the limits of this sheet: it is seldom seen however, on account of clouds: in fact, above 2500 ft. is nearly always hidden.

The timber line is at about 1800 ft.

An interesting peculiarity of these great gulches is in the way they originate in stupendous chasms which split toward the sea, leaving isolated triangular sections of smooth slope, which show up light green against the darker green of the hole above and the gulches on either side. At stas. Pukoo, Kalaana, and Kaa-paha are examples of this. The chasm above and on each side of this last named station is remarkably deep and steep-sided, and unlike the others to East, is barren: this hole, and the strip of slope left between, is quite conspicuous from sea; the most noticeable feature along this coast.

The reef line could only be approximated: it terminates at the place known as Honouliwai, though there are more coral patches to E. which do not constitute dangers to navigation. There are several harbors in this reef, as indicated. The one known as Kalaeloa is quite deep, but is said to have a seven ft. bar. A reef is reported making out N.E. from Cape Halawa: I could see only the awash rock shown. Some maps show a rock (shape above H.W.) 1/2 mi. W. from this cape, but I did not see it.

I was unable to secure the outside of the island as I had no seaworthy boat: there seem to be several rocks on the S.E. side: with the topog. stas. "Tit" and "Dome" it will be but a matter of a few moments to supply the missing shoreline and sketch in the rocks at some future time.

A good road runs along the coast and crosses over the Halawa village. This is a flourishing place with postoffice, church, and school. Much taro is grown in the valley at the head of which two magnificent waterfalls are seen. The steamer Mianhala (I.I.S.N. Co.) lands here every three weeks, weather permitting: it is a difficult landing, being open to the prevailing winds and swell. There is a wharf inside the spit.

A grove is shown N. of river and W. of postoffice: this is of mahogany, and mention is made of it by the famous navigator Vancouver.

Two coves and gulches will be noticed, called "Honouliwai" and "Honoulimalo": it is interesting to note that the former means the place where there is water, and the latter, where there is no water.

As before, I have omitted all names which do not refer to a definite place, object, or formation: many of the names on the charts have but a legendary significance, and at present are applied vaguely (if at all) over an indefinite area.

PUKOO is the main village and port: the same steamer "Mianhala" calls Tuesday night (from Honolulu) and Saturday afternoon (for Honolulu). Rice, cattle, and firewood are exported: also hogs are exported. There is a private anchorage bay, and private range, explained on sheet. Small boats only come to wharf at Pukoo: steamers anchor.

Kamaio is also a landing, but the Mianhala does not call. At present only the Kamukila, a small gasoline schooner, makes trips more or less regular from Honolulu. This (and other small boats) ties up alongside wharf. It has same exports as Pukoo. There is a U.S. buoy (gas) and private beacons

Eoline R. Hand

LIST of POSITIONS T-3531

to accompany topog. sheet "C," sta. Puu Papai to Lamaloa Hd., Island of Molokai, T.H.
April, 1915.

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

Suggestions for offshore, and landmarks *

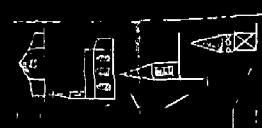
Name	P	D. M.	λ	D. R.	hel.	Description and symbols.
Sin	21'10		156°44'		75	Paint on cliffs N. of beach at Lamaloa Hd.
Oil	10		44'			" " huge boulder, N. end beach at Halawa.
Spit	21'08		44'			" " wall at spit.
In	09		44'			(green shingled 4 sided spire) church
Oat	08		156°43'			centre of islet.
Try	09		43'			Rock slide at H.W.M. 1/2 mi. E. of above islet (6047)
Up	08		43'			Prom. steep like cliff con. seen at right from Halawa.
*End	08	1132 709	156°42'	1322 409	150	Paint top steep, jagged rock pile extreme end Cape Halawa.
Jig	08		42'		70	" many as (Zone below)
Kim	21'08		42'		65	" " " S. side cove.
Pig	08		156°43'		100	" " spots on large rock at cliff ledge.
Pat	08		43'		140	" on round, balanced stone
Tit	08		156°42'		95	Sharptop of islet (Kamaha Rk. chart 4116)
Dome	08		42'			highest of smooth, low rk. 300 m. E. of Tit (above)
Pug	21'07		156°43'		60-70	Paint IIII N. side cove.
Pun	07		156°44'		70-80	" on overhanging rk. where rd. turns inland.
Win	07		44'		30	" many spots on round rk. N. of Homoulimalo.
Mq	07		44'			New house at
Hon	21'06		44'			Paint on slender pinnacle S. side
Ho	06		44'			House N. side bay at Homouliwai.
Got	06		44'			Paint on knob at point at (S. side)
*Co	06	1081 764	44'	1619 113		Church, wh. 3 windows, spire and cross.
R4	06		156°44'			Paint & ruins old mill.
Vat	06		45'		15	" on rock.
L4	06		45'			Church, cream, behind school at Waiaua.
Wet	21'05		156°46'			Paint on cairn at swampy point.
New	05		46'			Most Ely. of two red houses on beach at Hainalu.
Old	05		46'			Spire, unpainted, very old, inside, near rd.
Pan	05		156°47'			House, truncated pyr. roof, tin, lattice railing around top
Long	21'04		47'			See end long white house.
Box	04		47'			Paint on small shed on fishpond wall E. of Pukoo wharf.
Dad	04		47'		80	Grave on slope, fence around.
Warf	04	440 1465	47'	1621 90		Outer end wharf shed at Pukoo. (orient on Puu Mono and Mekuhunihii)
Red	04		156°48'			House in field, red roof (W. side wharf)
Vit	04		48'			Paint on shed on fishpond wall.
So	04	440 1466	156°49'			Church, small white: spire and cross.
Go*	04	440 1466	49'	1617 115	95	Church, great stone: double steeple, slate, wh. trim. hexagon spire.
Fog	21'03		49'			Paint on large fence post, 1 ft. diam.
Sir	03		156°50'			" great circle on shack on fishpond wall.
D46	03		50'			" on pile stones
Shed	03		156°51'			" shed on sand island E. of Kamalo.
Car	03		51'			" wall and on pyhalo trees at point.
Tag	03		156°52'			Church, inside: octagonal spire, cross, at Kamalo.
Ware	03		52'			Warehouse on shore, end dock. Kamalo.
Rock	21'02	1640 264	52'	1646 646		Shed on dock at (orient on "Top" & "Shed")
Mic	21'03		52'			Short windmill in McCorriston's yd.
Barn	03		156°53'			Long barn W. of
Pat	03		156°54'		55-65	Paint on rocks on slope above trees, below sta. Puu Papai.
Run	03		54'			(see sheet B) Paint on cairn on fishpond wall.
Top*	21'04		54'		830	" " " highest part Puu Chilli Papai
Zone	21'09		156°42'			Paint at point 4 mi. S. of Cape Halawa

LIST of POSITIONS T-2531

to accompany topog. sheet "C," sta. Pau Rapai to Lamalera Id., Island of Molokai, T.H. April, 1915. Eoline R. Hana, Assoc. Chief of Party.

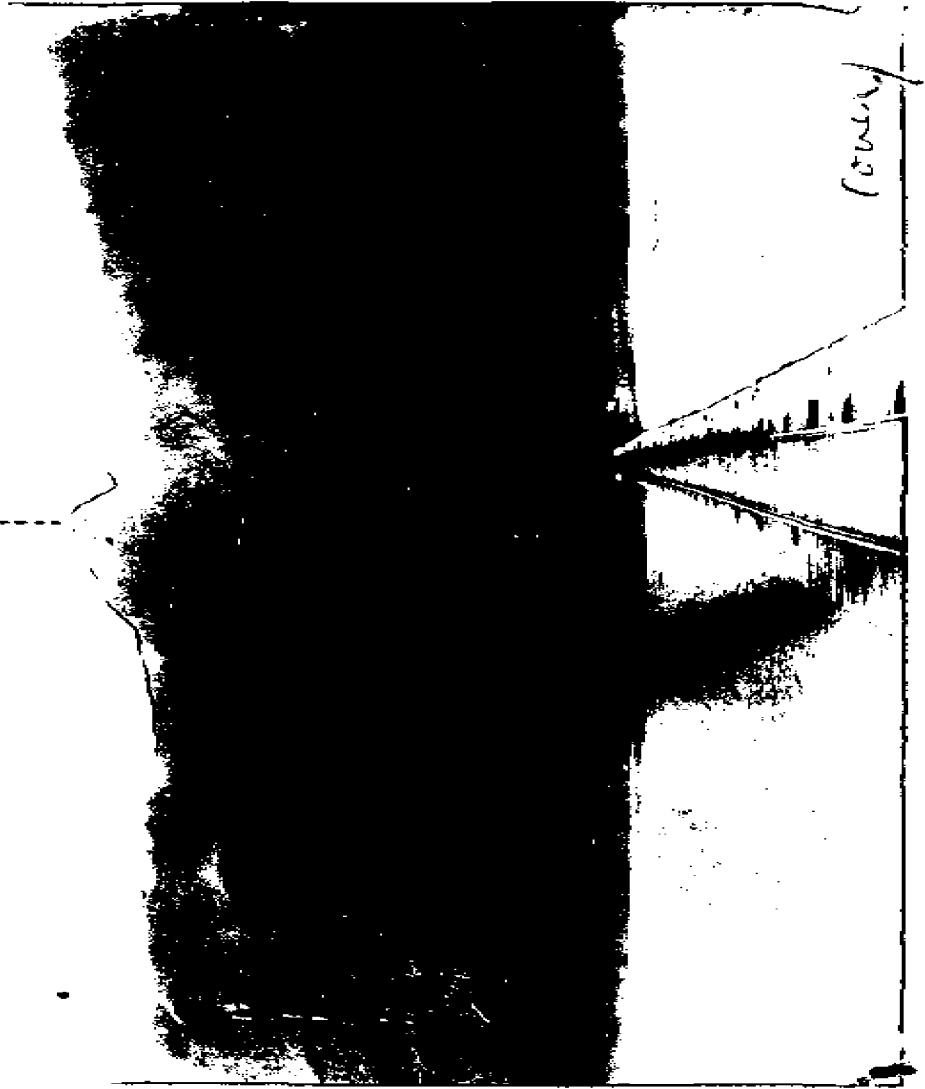
Suggestions for offshore, and land marks *

Name	9	ET. M.	λ	ET. P.	PER.	DESCRIPTION, and symbols.
S17	2110	156°44'	44'	75		Point on cliffs near beach at Lamalera Id.
S17	2110	156°44'	44'	75		" " huge boulder, near beach at Lamalera.
S17	2110	156°44'	44'	75		" " wall of spit.
S17	2110	156°44'	44'	75		" " Green shingles & sides spiral staircase.
S17	2110	156°44'	44'	75		" " Centre of island.
S17	2110	156°44'	44'	75		" " Rock slide at H.M. 1/2 mi. E. of above islet (0007).
S17	2110	156°44'	44'	75		" " From steep cliff seen at right from Molawa.
S17	2110	156°44'	44'	75		" " Point top steep jagged rock pile extreme end Cape Molawa.
S17	2110	156°44'	44'	75		" " Many as (Yon.)
S17	2110	156°44'	44'	75		" " " " S. side cave.
S17	2110	156°44'	44'	75		" " " " Spots on large rock at cliff ledge.
S17	2110	156°44'	44'	75		" " " " on round, balanced stone.
S17	2110	156°44'	44'	75		" " " " Sharp top of islet Chupapa (see chart 416).
S17	2110	156°44'	44'	75		" " " " Highest of smooth low mt. 300 m. E. of Tit (cave).
S17	2110	156°44'	44'	75		" " " " Point III N. side cave.
S17	2110	156°44'	44'	75		" " " " on overhanging mt. when tide turns inland.
S17	2110	156°44'	44'	75		" " " " many spots on round mt. N. of Homolima 100.
S17	2110	156°44'	44'	75		" " " " New house at
S17	2110	156°44'	44'	75		" " " " Point on slender pinnacle S. side
S17	2110	156°44'	44'	75		" " " " House N. side bay of Homolima.
S17	2110	156°44'	44'	75		" " " " Point on third of point (S. side)
S17	2110	156°44'	44'	75		" " " " Church, with 3 windows, spire and cross.
S17	2110	156°44'	44'	75		" " " " Point & ruins of mill
S17	2110	156°44'	44'	75		" " " " on rock
S17	2110	156°44'	44'	75		" " " " Church, crenel, behind school at W. side.
S17	2110	156°44'	44'	75		" " " " Point at point at swampy point.
S17	2110	156°44'	44'	75		" " " " Most E. of two red houses on beach at Molawa.
S17	2110	156°44'	44'	75		" " " " Spire, unincorporated, very old, in side of point.
S17	2110	156°44'	44'	75		" " " " House, 44 m. E. of point, in side of point.
S17	2110	156°44'	44'	75		" " " " Sea end long white house.
S17	2110	156°44'	44'	75		" " " " Point on small side of fishpond wall E. of Europe's wharf.
S17	2110	156°44'	44'	75		" " " " Grave on slope, fence around.
S17	2110	156°44'	44'	75		" " " " 47 m. end wharf, sheet of P. 100. (orient on same in sketch).
S17	2110	156°44'	44'	75		" " " " House in field, red roof. (W. side white).
S17	2110	156°44'	44'	75		" " " " Point on shore of fishpond wall.
S17	2110	156°44'	44'	75		" " " " Church, small white, spire and cross.
S17	2110	156°44'	44'	75		" " " " Church, great stone, double steeple, slate, with trim. hexagon spire.
S17	2110	156°44'	44'	75		" " " " Point on large fence post 1 1/2 m. E.
S17	2110	156°44'	44'	75		" " " " Great circle on shore of fishpond wall.
S17	2110	156°44'	44'	75		" " " " on pile stones
S17	2110	156°44'	44'	75		" " " " shed on sand island E. of Molawa.
S17	2110	156°44'	44'	75		" " " " wall and on pile trees of point.
S17	2110	156°44'	44'	75		" " " " Church, inside, octagonal spire, cross of Molawa.
S17	2110	156°44'	44'	75		" " " " Warehouse on shore, end of Molawa.
S17	2110	156°44'	44'	75		" " " " shed on point at
S17	2110	156°44'	44'	75		" " " " Short wharf in McConnaughey's ya.
S17	2110	156°44'	44'	75		" " " " Long bay W. of
S17	2110	156°44'	44'	75		" " " " Point on rocks on slope above trees, below sta. P. 100.
S17	2110	156°44'	44'	75		" " " " (see sheet B) Point on point on fishpond wall.
S17	2110	156°44'	44'	75		" " " " Highest point P. 4 Mill (see).
S17	2110	156°44'	44'	75		" " " " Point at point 1/2 mi. S. of Cape Molawa.



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sta. Kaapahu, from Kamalo.



Topographic sheet
showing E. end of Mol-
okai Island. T.H.

Hand, 1915.

T-3531

RECOVERY NOTES - TOPOGRAPHIC STATIONS

Car	Recovered. Found paint on wall. Large Keawi tree cuts view from ocean and signal placed 16 m. from Car toward sea along fishpond wall. <i>o New</i>
Dub	Cairn found, but no paint on it. It was whitewashed.
Jit	Shack not here. Cairn of rocks built at west end of wall and whitewashed. Cairn is just east of drain opening in wall.
Ware	Now gone.
Tag	Observed from road, but not seen from sea.
Sir	Shack found to have been moved. Signal placed in old location consisting of 6 round pieces of driftwood on end in cairn of rocks with whitewashed boards nailed to it to form banner.
Fag	Round post about 1' or 1'3" in diameter found and whitewashed. There is a similar large post to west but none was seen to east. Post leans toward shore and is quite secure in ground. Fence now runs about 1 m. inshore.
Go	Now Trg. Sta. Kaluaaha Church.
Red	Not recovered.
Wharf	Now in ruins.
Box	<i>Recovery doubtful. see Box on sheet 4112</i> Shed wall gone. Now Small green house in vicinity. Trg. Sta. Kupuke is a few m. south of house.
Dad	Not visited.
Long.	Not recovered. House not here anymore.
Pan	This house not here anymore.
Old	Church still here.
New	Palm trees obscure view from sea. Houses in this location.
Wet	Cairn rebuilt and whitewashed. 12" plank placed horizontal thru cairn and whitewashed.
La or Lu	Not here now. New church across road, <i>called Lu on Hydro Sheet 23 cut in by sextants.</i>
Vat	Recovered and whitewashed.
Ru	" " " -- large square whitewash.
Co.	" " "

SHEET 351¹ CONTINUED

RECOVERY NOTES - TOPOGRAPHIC STATIONS

Got	Recovered and whitewashed.
Ho	Recovered - new house east of Ho. <i>now</i>
Hon	Recovered as desc. No Paint found, but tip of pinnacle was white-washed.
Ma	Recovered as described.
Win	Recovered, whole of rock whitewashed.
Pun	Recovered -- large whitewash <i>placed here</i>
Pug	" " " " "
Rat	Not visited. Seen from sea and from beach.
Pig	Not visited. Seen from sea.
Kim	Recovered. Whitewashed.
Jig	" "
Zone	" "
End	" "
POT	Cairn found intact. Whitewashed.
MIC	Vanes of windmill are gone. Scaffold still standing and there is an antenna mast extending up from the center of the scaffold. This mast looks like a flagpole from the sea.
Barn	Now in ruins.

C.J.W.

U. S. C. & G. S. S. PIONEER, O. W. SWAINSON, Chief of Party,

1930-1931