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Department of Commerce and Labor

COAST AND GEODETIC SURVEY

Superintendent.

State:

DESCRIPTIVE REPORT.

Topo. *Sheet No.* 3386

LOCALITY:

191

CHIEF OF PARTY:

11—4645

3386

C. & G. SURVEY
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DESCRIPTIVE REPORT.

To accompany Sheet"B",Kalihi Pt.to Paauilo.

HAWAII CO.T.H.

1913.

Eoline R.Hand,Asst.
Chief of Party.

The entire coast line,excepting where the big gulches break through,is sheer cliff of varying height pp to 400 ft. and behind,the land,which is cut by frequent gulches,rises with gentle. sven slope to the mountain:every available bit of land,from the actuak cliff edge to the timber line,is cane covered.

A fringe of evergreens will be seen along cliff edge in places.These were planted to protect the cane from the N.E.trade.

No offlying dangers were found in the steamer track:they generally pass close in.The landings however should be approached with caution, and Laupahoehoe especially.

There is a derrick landing at Honohina and an inclined railway,belonging to Hakalau Plan.Co. There is an excellent derrick landing at Laupahoehoe:small boats can here make a landing at almost any time,passing up under the lee of the rock point on which the derrick and freight house are situated.The next landing is at Ookaka,this is the highest cable landing in the island,the cliffs here being 360 ft. Here are Five mooring buoys,the four outer are red cans,centre is spar.Vessels moor fore and aft,the cable passes from cable house ashore athwartships and is made fast to centre buoy.vessel thus rolls freely beneath cable.Two tons are about the limit,heavier freight is handled at the derrick landin gs.

There is a derrick landing at Kukaiao,and an inclined railway to top of cliffs.Also one mooring buoy,red can.

There is an excellent landing atKoholalele Landing.small boats lie at the derrick pier and have a lee from the N.E.trade. This is an excellent place for getting ashore since the inclined c.r. cut offers easy access to top of cliffs. One mooring buoy,red can.

There is a rumor that this landing will be abandoned,because the railroad is going to handle all freight .

The Hilo Railroad traverses entire sheet.Paauilo is the terminus.there is no present intention of extending it farther,one reason being that the plantations beyond could give no business,having contracts with the Inter Island S.S Co for several years ahead.

A light is at Laupahoehoe,fixed white,34 ft. this is to be replaced by an automatic light but there is no authority as to when it is to be done or where placed.

There are two arc lights at Paauilo mill which navigators find useful,they are behind the mill as indicated by red dots. One is at end of roof,other is at junction of wagon and rail roads near office door,Approx.height,240 ft. they are shining whenever mill is runnung, Jan.to about August.

At one or two places there will be noticed a paucity of inshore hyd.signals.This was unavoidable on account of extreme difficulties encountered in locating shoreline.

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

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LIST OF POSITIONS

To accompany Sheet "B" Kalihi Pt. to Paauilo

HAWAII CO. T.H.

1913

Eoline R. Hand, Asst, Chief of Party.

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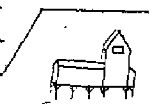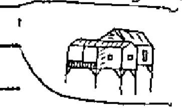
Name	φ	D.M.	λ	D.P.	Hei.	Description.
ole	19° 55	1215 / 430	155 09	682 / 1063		Tallest flagpole at Honohina, in yard of labor camp.
Hon	19 55	1164 / 691	155 09	764 / 981	170 ground	Stack at cable house, upper end track, Honohina.
ube	19 55	1545 [illegible] / 300	155 09	578 / 1167	#25	Paint on cubical cliff corner at landing, Honohina.
all	19 56	200 / 1645	155 09	1064 / 681	50	Overhanging cliff edge at waterfall, outermost part Nahaku Pt.
Ho	19 56	400 / 1445	155 09	1526 / 219		Gable fine appearing yel. house, red roof, close up to R.R. and on W. edge of gulch.
oint	19 56	1071 / 774	155 10	352 / 1393	0	Outermost end sharp point, H.W.M. Cliff slopes evenly from 230 ft. to station.
ross	19 56	1015 / 830	155 10	458 / 1287	230	Cross of wh. paint on sea end long, narrow, low shack, stable, on edge cliff above ⊙ Point
ait	19 56	1120 / 726	155 10	499 / 1246		N.W. gable R.R. sta. and P.O. at Ninole; green, white trimmed.
et	19 56	1462 / 383	155 10	850 / 895		Outermost perp. cliff edge: perp. halfway, then slope to top, as sketched
win	19 57	214 / 1632	155 10	1412 / 333	15	Outermost point: gentle slope to top cliffs, 220 ft. the NWly one of 2 points close together.
ray	19 57	295 / 1550	155 11	216 / 1529	280 approx.	sea end of church on lower side road: 400 m. E. of tunnel.
as	19 57	403 / 1443	155 11	56 / 1689	0	Bottom of cascade, below church ⊙ Pray.
Hi	19 57	745 / 1100	155 11	938 / 807	350 approx.	W. end immense three story unpainted structure on road close to Maulua gulch: formerly bridge workers' office + dorm.
at	19 57	816 / 1029	155 11	942 / 803	0	Base of waterfall below ⊙ "Hi."
pot	19 57	872 / 973	155 11	1221 / 524	10	Large grey spot on cliffs at E. end sand beach Maulua Gulch.
hed	19 57	862 / 983	155 11	1541 / 204		Shed on W. slope Maulua gulch, between R.R. and beach.
ong	19 58	341 / 1504	155 12	821 / 924	330 ground	Large whitewashed house: long, low wing: sketch.
moke	19 58	1200 / 645	155 13	120 / 1625	300 ground	The slender stack at group wh. blds (Kaiwilahilahi) E of Papaaloa mill. red water tank to W ward.
rain	19 59	452 / 1393	155 14	208 / 1536	420 ground	Flag staff on Laupahoehoe R.R. Sta.
oc	19 59	873 / 972	155 14	873 / 871	15-20	Paint on rock S.E. end beach, Laupahoe
reen	19 59	1109 / 736	155 14	963 / 781	25-30	Sea end green house on beach, "
ob	19 59	1480 / 365	155 14	1150 / 594	15-20	Paint on rock, W. side creek mouth, "
id	19 59	1528 / 317	155 14	1402 / 342		" " cliff, "
una	19 59	1487 / 358	155 15	102 / 1642	350-75 ground	Sea end big red ho. cream trimmed, W. side gulch, Waipunalei.
lume	20 00	100 / 1745	155 15	282 / 1462		Point where two flumes join, dumping cane into car of inclined railway.
ound	20 00	882 / 963	155 15	1347 / 397	220 approx.	Large circular spot (2'S) paint on back small stable, corr. iron sides: if removed, use ho. 100 m. to W. on slope of gulch.
ew	20 00	606 / 1240	155 15	1096 / 649	290 ground	Sea end pretty green stained wh. trimmed cottage setting high on slender posts: has water tank: view from ENE
Stack, Ookala	20 01	402 / 1443	155 17	268 / 1476	410 base	Stack at sugar mill, Ookala
Vir	20 01	642 / 1203	155 17	253 / 1491	3-5	Outer end rocky ledge just below cable hoist building, Ookala.
Alt	20 01	1042 / 803	155 18	32 / 1712	400	Highest cliff point between Ookala and Kukaiao: from sea appears as great triangle rising to sharp apex as sketched. The R.R. cut is close to edge and left several tall, thin shafts of rock: highest is station.
San	20 01	1808 / 37	155 18	1246 / 498	5	End long, narrow, flat point.
ong	20 02	297 / 1548	155 19	166 / 1578	5	End " " " " similar to ⊙ "San"
unt	20 02	463 / 1392	155 19	962 / 782		End sharp point W. side gulch with wooden trestle.
lice	20 02	723 / 1122	155 19	1669 / 75	330	Highest point of long, thin slice of cliff formed by R.R. cut.
ick	20 02	1255 / 590	155 20	495 / 1249	10-15	Derrick at base of inclined railway, Kukaiao.
ass	20 02	1329 / 516	155 20	776 / 968		Perp. cliff edge at point.
iss	20 02	1656 / 189	155 20	1273 / 471		" " " "
um	20 02	1758 / 87	155 20	1382 / 362	10-15	Jagged nose of rock at point: where sloping cliff becomes perp. as sketched.
ir	20 03	226 / 1619	155 20	1557 / 187	12	Truncated hex. pyramid, cement: smaller, lower and outermost of two. Anchor for derrick guy, Koholalele Landing.
Nit	20 03	198 / 1647	155 21	90 / 1654		Outermost perp. cliff edge at point.
Son	20 03	262 / 1583	155 21	602 / 1142	15-25	Beak of rock at outermost point, as sketched: cemetery above.
Mat	20 03	450 / 1395	155 21	1007 / 737	10	Paint at base of cliffs at point.
in	20 03	554 / 1291	155 21	1212 / 532		Outermost perp. part of cliffs at base at point below Paauilo Mill.
Stack, Paauilo	20 03	440 / 1405	155 21	1338 / 406	210 base	Larger of two stacks on Paauilo Mill. If single stack is there, use seaward gable of mill. There is talk of changing stacks
nd	20 03	763 / 1082	155 21	1675 / 69	100-30	Spot of whitewash made by pouring over cliff edge.