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C. & G. SURVEY,
LIBRARY AND ARCHIVES
OCT 14 1912
Acc. No

Department of Commerce and Labor

COAST AND GEODETIC SURVEY

Superintendent.

State: Id. T.

DESCRIPTIVE REPORT.

Sheet No. 3272
Sheet No. 3273.

LOCALITY:

Maui - North Coast -
Malisko to Opuola Bay and
Opuola Bay to Pauwalu
Pt

1912

CHIEF OF PARTY:

Gauger & Lutz

11—4645

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3272 & 3273

Mann, J. H.

C. & G. SURVEY.
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Pauwalu Point
to
Maliko Gulch

Plane Table Survey & Inking by Lu. C. Lutz
Aid, C & G. Survey
June 1912

Projection by J. C. Gauger Asst. C & G. Survey
Chief of Party
Scale 1:20000

Shore Line 22.5 Sta. miles.
Roads 6.2 " "
Area 4.0 sq. " " "

P.T. Points	Latitude		m	Longitude		m
Peak or highest point	20°	51'	1337	156	08	302
Cairn		51	1306		08	786
Protestant Church Spire		51	1811		08	1470
Lone coconut palm		52	160		08	1615
Derrick (landing boom)		51	1688		09	75
Cairn		51	1323		09	1007
Cairn		52	71		10	319
"Inakai" or outermost Peak (141 ft)		52	1424		10	831
Prominent Hummock		53	1592		11	1435
E. red gable		53	1550		11	1721
Catholic Church Spire		54	201		13	312
Cairn		54	654		12	1356
Pinnacle Rock		54	905		12	1486
"Barrel" (2" pipe in cement core)		54	777		13	328
Cairn		54	1229		12	1692
Protestant Church Spire		54	1128		13	1084
"Huelo" (2" pipe in cement core)		54	1638		13	498
Cairn		55	6		13	1009
"Honokala" (1" pipe projecting 6")		55	442		14	169
Top of galv. roof, S end of ridge, Spire		55	472		14	263
Cairn		55	842		13	1266
Cairn		55	1578		13	1447
Derrick (landing)		56	58		14	819
Cairn		56	164		14	981
Cairn		56	593		14	1429
Lone Coconut Palm		56	337		15	708
Cairn		56	360		15	845
S.E. gable		56	515		15	1590
E. red gable		56	329		15	1601
Cairn		56	680		16	162
E. gable house		56	43		16	637
E. gable shed		56	512		16	987
Cairn		56	549		16	1046
"Kulolio" (Cement post with cross)		55	384		17	223

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Descriptive Report to accompany Sheet *

Pauwalu Point to Inaiko Gulch
Maui, T.H.

This coast presents the appearance of a uniformly sloping plateau extending from the shore to the rim of Haleakala Crater and is intersected by deep gulches on the eastern portion of the sheet, the gulches gradually becoming less pronounced as one proceeds to the westward. The slope is thickly wooded with puhala & guava toward the eastward which gradually blends into grassy plateaus on the western end of the sheet. The shoreline is high & bold, the bluffs decreasing in height toward the westward with a marked exception at Keanae.

Keanae Point was formed by the great lava flow that broke through the rim of Haleakala Crater at Koolau Gap. It is a low level point projecting well out to sea & the only one with a low coast line on this sheet. The anchorage & landing on the west side of the point afford fair protection against the regular trades. Vessels usually anchor close in under the lee of the rock lying about 300 meters northwest of the landing. This rock is 10 to 15 ft. above high water & readily distinguishable.

The anchorage & landing at Honopou is a poor one during rough weather as

it is practically open to the regular trade winds. A treacherous sunken rock & reef lies off the mouth of the cove & should be avoided inasmuch as it is a rather difficult one to detect at certain stages of the tide & sea. Landings are only made here when local needs demand it.

The Cove at Maliko has at one time been used as an anchorage quite extensively, but only very light draft vessels (not much over 5 ft) can use it. For vessels of this type it affords a good anchorage & such vessels could be beached here.

For small boats a lee can also be found in the cove west of Keopuka Rock.

Moku Mana Rock (100 ft) off Pauwalu Point & Keopuka Rock (141 ft) are prominent headland markings. The rocks off Pauwela Point Lighthouse as well as those off Opana Point to the eastward are low & more or less undefined above water. The ledge running out from the east side of Maliko Gulch similarly is undefined, parts of it only projecting above the water.

Keanae is in the heart of the rainy belt on Maui with a rainfall averaging over 400 inches annually. This rainfall gradually decreases toward the westward being only about 55 inches at Haiku. Water can be secured near the landing at Keanae & by using a row boat also in several of the gulches to the westward.

The trade winds blow strongest off Pauwela Point.

The subsidiary cones Ulalena heavily wooded, Kapuai brush covered, Kiloli, grassy

with one lone puhala tree & Haiku hill wooded are all quite conspicuous from the sea.

Pauwalu Point Light is an automatic intermittent white light 123 ft above sea level. The 15 ft. structure supporting the light is painted white.

Pauwela Point Light is fixed white & has an elevation of 150 ft. The structure & accompanying building are white.

The survey was controlled by triangulation data furnished by the Territorial Survey Office. A 5 mile traverse was run from "Puu Kukai" to a three point fix one mile east of Honopou closing with an error of 20 meters which was adjusted.

This report covers the two sheets which together cover the coast line from Pauwalu Point to Waipio Gulch. The first sheet was drenched when the party capsized in a canoe making a second projection necessary.

Report by W. C. Lutz, Aid, C&G.S.
Revised & supplemented by J. C. Gaugler, Asst. C&G.S.

P.J. Points	Latitude	Longitude
Lone Puhala Tree	20° 55′ 412″	156° 17′ 237″
Concrete post with cross +	56 1514	17 617
Cairn	56 1396	17 1085
E. gable house	56 976	17 901
Cairn	56 1195	18 105
Cairn	56 1063	18 810
E. gable ruins	56 1079	19 187
Catholic Ch. Spire	55 1760	19 318
2" Iron pipe projecting 6"	56 1616	19 439
Pauwela Lighthouse	56 1773	19 800
E. gable barn	56 1078	19 857
Cairn	56 1375	20 279
Signpost	56 249	19 1700

NAUTICAL CHARTS BRANCH

SURVEY NO. 3272

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
2/4/46	4124	G. K. Emmining	~~Before~~ After Verification and Review Shoreline only
			used. contours + formlines taken from Geol Survey Quad.
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.