

4687

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

OCT 15 1932

Acc. No. _____

CONFIDENTIAL

Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton, Director

State: Hawaiian Is.

DESCRIPTIVE REPORT

Topographic } Sheet No. L 4687
Hydrographic }

LOCALITY

Oahu Island

Maunaloa Bay

1931

CHIEF OF PARTY

Hubert A. Paton

U. S. GOVERNMENT PRINTING OFFICE: 1928

DECLASSIFICATION BY NOAA
PURSUANT TO DOC SYSTEMATIC REVIEW
GUIDELINES AS DESCRIBED IN SECTION
3.3 (a), EXECUTIVE ORDER 12356

Descriptive Report

to accompany

Sheet "L"

MAUMALUA BAY

Oahu, Hawaii

INSTRUCTIONS :

The work on this sheet was done in cooperation with the U. S. Army and in accordance with verbal instructions from the Department Engineer and his representatives. It is a resurvey of Sheet No. 4376. executed by Lieut. E. R. Hand in 1928. In order to locate signals for the hydrographic survey it was necessary to duplicate his work to considerable extent. A tracing of a photostat copy of his original sheet was transferred to the new projection and excessive distortion was noted. For this reason his work could not be checked very closely and it was decided to resurvey the entire high water line on this sheet. A number of the old signals were recovered and the same names given to them.

The U. S. Army instructed the undersigned to expedite the work of the survey as much as possible. The result they wanted was a development of possible landing sites and in areas where no landings were possible but little time should be spent.

The system of designation of the sheets was devised by Lieut. Hand, and continued at the request of the Army.

CHARACTER OF CONTROL:

Adequate control was furnished by fourteen triangulation stations. Stations "Wailupe", "Kuliouou", and "Kuapa" were located by Lieut. Simmons in 1927 for the Territorial Government. The geodetic positions were obtained from the Department Engineer.

CLOSING ERRORS:

On account of the large number of triangulation stations it was not necessary to run very much traverse. Most of the signals were located by intersection, and three point problems. South and east of Signal Apt, on Koko Head it was necessary to run a traverse. The closing error on Triangulation Station Koko Head Datum Point was seven meters, in azimuth. This error was excessive from Coast Survey standards but satisfactory for the purposes of this sheet. The traverse from Triangulation Station Koko Head Datum Point to the east, is a dangling traverse, there being no way to get a check on it, because of the steep cliffs.

CHANGES:

There appears to be a change in the sand spit upon which Signal Pot is located. This may be due to local development of this area

for residential purposes.

Between Signal Net and Signal Jac, the shore line appears to be eroding, as evidenced by numerous trees fallen into the water.

MISCELLANEOUS:

There seems to be considerable difference of opinion in Hawaii concerning the title to the area inside of the reef line. Here in this bay the reef is well off shore and the shallow waters inside of it are good fishing areas. Owners of the land claim possession out to deep water and frequently sell or lease fishing rights on these shoal areas. Signals Der, La, Cut, and Hun are small signs warning trespassers to keep out. (KAPU)

Respectfully submitted,

Hubert A. Paton

Hubert A. Paton,

Lieut. (j.g.) C. & G. S.

COAST PILOT NOTES

to accompany Sheet L, Maunaloa Bay

Oahu, Hawaii

Page 40.

Koko Crater.-- Strike out sentence, "A wireless pole marks the highest point."

Maunaloa Bay. ~~At~~ Line 4. Change to read, "there are numerous openings in the roof, mostly shoal and dangerous except in very smooth weather. One opening at the head of the bay has a depth of five feet over the bar and can be entered in moderate weather."

PLANE TABLE POSITIONS

Sheet "L"

Object and description	Lat.	D.M.	Long.	D.P.	Height
		<i>m</i>		<i>m</i>	<i>ft</i>
Hin, Black water tank, Hind Clark Dairy	21 16	1777	157 45	934	30'
Wire, Radio Mast, private	21 16	1349	157 45	1648	20
Mas, radio mast. Wialupe Navy Radio Station	21 16	1295	157 45	1330	40
Dit, sea end of stone drain	21 16	1467	157 45	525	1
Bo, S.W. corner of green house.	21 16	1504	157 45	268	
Yel, SW corner, yellow house, red roof.	21 16	1528	157 45	193	
Dog, south gable, yellow house.	21 16	1576	157 45	83	
Pol, flagpole on small pier	21 16	1606	157 44	1696	15
Hit, white flagpole	21 16	1703	157 44	1575	30
Egg, SE corner banyan arbor.	21 16	1679	157 44	1553	6
Fid, SE corner yellow house.	21 16	1708	157 44	1538	
Red, east gable of red roof.	21 16	1787	157 44	1407	
Go, SW corner of yellow house.	21 16	1822	157 44	1312	
Chi, SE gable, mottled, pagoda roof.	21 16	1843	157 44	841	
End, south end of swimming pier.	21 16	1531	157 44	665	1
Jil, SW corner dark brown house.	21 17	42	157 44	724	
Ro, SE corner brown house, grey roof.	21 17	57	157 44	612	
Quo, SE corner shack.	21 17	156	157 44	309	
Niu, black water tank, Niu Dairy Farm.	21 17	265	157 44	383	30
Tri, west tripod, radio antenna	21 17	381	157 44	58	25
Irt, east tripod, radio antenna	21 17	389	157 44	27	25
Step, chimney, grey house, red steps.	21 17	219	157 44	83	
Urn, SE corner, dark brown house.	21 17	199	157 43	1595	

PLANE TABLE POSITIONS

Sheet "L"

<u>Object and description</u>	<u>Lat.</u>	<u>D.M.</u>	<u>Long.</u>	<u>D.P.</u>	<u>Height.</u>
Rim, SW corner green house, white trim.	21 17	196	157 43	1586	
Low, SE corner yellow house.	21 17	145	157 43	1476	
Gen, center of south side, brown house.	21 17	0138	157 43	1460	
Rud, radio mast, green.	21 17	136	157 43	1434	30
To, SW corner, green house.	21 17	115	157 43	1320	
Ter, SW corner white house.	21 17	304	157 43	1413	
Gab, gable, white house, pyramidal roof.	21 17	519	157 43	919	
Bat, SW corner brown house.	21 17	492	157 43	832	20
Radio Mast.	21 17	524	157 43	666	30
Oke, 4"x4" post set in concrete pyramid.	21 17	451	157 43	582	6
Son, ditto	21 17	338	157 43	572	6
Sip, SE corner of bridge.	21 17	504	157 43	450	
Ban, south gable east barn.	21 17	497	157 43	359	
Rid, SW post of bridge.	21 17	145	157 42	1459	15
Let, SE corner toilet, camp grounds.	21 16	1773	157 42	1269	
Base, concrete base, old radio mast. circle of bolts.	21 16	1711	157 42	799	
Ous, west gable dark red house.	21 16	1392	157 42	1185	
Ice, NW gable barn	21 16	1324	157 42	1168	
Roc, shack on wall	21 16	1304	157 42	1195	
Bit, north gable grey house, tin roof.	21 16	1093	157 42	1160	
Hue, 1½" pipe, set in concrete, marked "Ahue Mandon, 1928"	21 15	1573	157 42	1412	2
Fen, south fence post.	21 15	1398	157 42	1117	

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Port Shafter, P. H.

December 26, 1931

DIRECTOR, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below; and should be charted.

Hubert A. Paton

Chief of Party.

DESCRIPTION	POSITION					METHOD OF DETERMINATION	CHARTS AFFECTED		
	LATITUDE			LONGITUDE				DATUM	
	°	'	D. M. METERS	°	'				D. P. METERS
Water, East, black	21	16	1777	157	45	934	1930 Stand.	Topo	4151
Yellow house.	21	16	1520	157	45	193	"	"	"
Small boat hoist	21	16	1606	157	44	1696	"	"	"
White flag pole	21	16	1703	157	44	1575	"	"	"
House, with pagoda roof	21	16	1843	157	44	841	"	"	"
Water tank, black	21	17	265	157	44	303	"	"	"
West tripod	21	17	301	157	44	58	"	"	"
East end of bridge	21	17	504	157	43	448	"	"	"
Bridge, west end	21	17	145	157	42	1459	"	"	"
House	21	16	1390	157	42	1105	"	"	"
Barn	21	16	1093	157	42	1160	"	"	"

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaves and like objects are not sufficiently permanent to chart.

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TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. L

REGISTER NO. **4687**

State Hawaiian Is.

General locality ~~Oahu Island~~ South Coast of Oahu

Locality Maunaloa Bay

Scale 1 : 5000 Date of survey November, 1931

Vessel Shore Party

Chief of Party Hubert A. Paton

Surveyed by Hubert A. Paton

Inked by H. A. P.

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated July 14th, 1931

Remarks: Surveyed in cooperation with U. S. Army, to
relocated signals for hydrographic survey. See Sheet #4376.

