

4470

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Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
K. S. Patton <i>Director</i>	
U. S. SURVEY L DEC 23 1929 Acc. No.	
State: <u>T. H.</u>	
DESCRIPTIVE REPORT	
<i>Topographic</i> <i>Hydrographic</i>	Sheet No. K 4470
LOCALITY	
<u>S. E. Coast of Hawaii</u>	
<u>Honolulu Bay</u>	
1929	
CHIEF OF PARTY	
<u>K. T. Adams</u> <u>U. S. G. Eng.</u>	

GOVERNMENT PRINTING OFFICE

Topo

DESCRIPTIVE REPORT
to accompany
~~HYDROGRAPHIC~~ SHEET NO. K
Scale 1:2500

Honuaipo Bay, Hawaii, T. H.

Date of Instructions: June 17, 1929.
Date of Survey: October 10th to 23rd, 1929.
Chief of Party: K. T. Adams, H & G Engineer.
Topographer: V. M. Gibbens, Aid.

LIMITS:

This sheet consists of a complete shoreline survey from Latitude $19^{\circ} 04' 430.2$ Meters to the northeastward, including a detail survey of Honuaipo Bay, Dock, railroads, buildings and other features, to Latitude $19^{\circ} 05' 30'' 490$ Meters.

CONTROL:

Control for this survey was based on two triangulation stations, CHURCH HONUAIPO 1914 and HONUAIPO 1914. These stations are nearly in the center of the sheet and about $\frac{1}{4}$ mile apart, which makes the control rather weak. Triangulation STACK HONUAIPO 1914 has been taken down.

METHOD:

The party consisted of one officer and three men. The usual plane table method was used in this survey. In order that the hydrographic party might commence work as soon as possible, a party built the signals and they were all located by the topographic party before any of the other work was done.

The topography was started from the triangulation station HONUAIPO, orienting the table on CHURCH HONUAIPO, and running to the end of the sheet in each direction from Honuaipo.

GENERAL DESCRIPTION:

Honuaipo Bay is a small bight or depression in the shore line of about one half mile in and about one mile in length and is not protected from any easterly weather. Nearly all the shipping in this port is for the Hutchinson Sugar Plantation Co. and the Hawaiian

Agricultural Company. Ships can not tie up to the dock, but anchor off, and tie up to mooring-buoys, and the cargo is taken to the dock by small boats. The cargo is lifted in and out of the boats by a small derrick on the dock, run by a donkey engine.

The dock is owned by the Territory of Hawaii but the management of it has been turned over to the Matson Navigation Company by certain agreements, for a period of one year, during which time the Matson Navigation Company expects to widen the dock six feet on the northern side and rebuild and shift the derrick a short distance N.E. on the dock.

From signal POINT to the northern limit of the sheet there is a sheer rocky coastline from 15 to 20 feet in elevation. From signal POINT to the dock the shoreline is all rocky but slopes back rather gradually from the waters edge. From DOCK the shoreline is sheer and rocky, increasing in elevation from 20 feet just west of the dock to a little over 50 feet at signal ROCK and to a maximum elevation of 236 feet between the signals BOY and PAT. From signal CAN to END the shoreline varies from 30 to 40 feet in elevation.

All the changes on the blueprints of Homuapo sugar mill and landing which accompany this sheet are completed or under construction at the present time. The topographer examined the blueprints and found

STATISTICS.

Statute miles of high water line	3.4
Statute miles of road and trails	0.7
Statute miles of shoreline of ponds	0.4
Square miles of area	0.5
Working days	6
Number of men in party	3

Description and Location of Topographic Signals on Sheet No. K.

STATION	LATITUDE	METERS	LONGITUDE	METERS	DESCRIPTION
ND	19 04 ^{493.0} _{1371.8}	430.8	155 33 00	653.1	Flag on rocky point.
SAM	19 04 ^{232.4} _{1612.3}	690.8	155 33 30	699.9	Flag and W W cairn on paint
ABE	19 04 ^{84.3} _{1406.3}	918.8	155 33	687.5	W W cairn
UBE	19 04 ^{721.4} _{1313.4} 30	201.0	155 33	(189.5) 684.2	W W cairn on face of cliff
CAN	19 04 ^{498.0} _{1345.7} 30	424.4	155 33	678.6	W W cairn and flag
PAT	19 04 ^{308.2} _{1536.6} 30	614.4	155 33 30	(- - -) 4.4	Flag on fence post
BOY	19 04 ^{6.5} _{1837.8} 30	915.9	155 33	(56.4) 820.6	W W cairn and small flag
ROCK	19 05 ^(- - -) _{1137.8}	67.0	155 33	(218.4) 658.6	W W cairn
HUNG	19 05 ^(628.0) _{1550.0}	294.4	155 33	(357.4) 519.6	W W cairn
WHITE	19 05 ^(499.7) _{1421.4}	422.7	155 33	(390.2) 486.8	W W on cliff
DOCK	19 05 ^(466.8) _{1389.2}	455.6	155 33	(536.9) 340.1	Upright beam of derrick on dock
WARE	19 05 ^(385.2) _{1307.4}	537.2	155 33	(513.2) 363.8	Most seaward corner of government warehouse
POLE	19 05 ^(366.8) _{1287.0}	555.6	155 33	(568.0) 309.8	Rag on pole
TIN	19 05 ^(300.7) _{1124.1}	621.7	155 33	(594.5) 282.5	Seaward gable of small tin hut
DOG	19 05 ^(279.2) _{1210.3}	688.6	155 33	(630.5) 246.5	Flag
DER	19 05 ^(249.5) _{1172.1}	672.9	155 33	(694.0) 183.0	Upright member of old derrick
SHED	19 05 ^(214.4) _{1136.7}	708.0	155 33	(801.0) 76.4	Flag on seaward side of shed
CLOTH	19 05 ^(279.5) _{1280.1}	642.9	155 32 30	(79.2) 797.8	Flag
WASH	19 05 ^(302.4) _{1307.3}	620.0	155 32 30	(221.8) 655.2	W W cairn
POINT	19 05 ^(269.0) _{1271.8}	653.4	155 32 30	(368.6) 508.4	Cross banner
CAT	19 05 ^(178.5) _{1178.2}	743.9	155 32 30	(478.9) 398.1	Flag
ZAG	19 05 ^(24.9) _{125.1}	897.5	155 32 30	(500.4) 376.6	Flag
BAN	19 05 ^(802.9) _{1601.4} 30	120.5	155 32 30	(545.9) 331.1	Half banner
RAG	19 05 ^(- - -) _{1582.8} 30	236.8	155 32 30	(610.7) 266.1	Rag around rock
FLAG	19 05 ^(- - -) _{1591.2} 30	331.2	155 32 30	(659.0) 217.8	Flag
CAIRN	19 05 ^(- - -) _{1487.0} 30	435.2	155 32 30	(722.5) 154.5	W W cairn
NOT	19 05 ^(- - -) _{1413.3} 30	490.8	155 32 30	(801.2) 75.8	Flag
YELL	19 05 ^(386.4) _{1324.7}	536.0	155 33	(415.8) 461.2	S E corner of small yellow church
STACK	19 05 ^(653.0) _{1611.8} 30	269.4	155 33	(700.4) 176.6	Stack on Honuapo sugar mill, 1929

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4470

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. X

REGISTER NO. 4470

Hawaiian Is.
State Hawaii, U. S.

General locality S. E. Coast of Hawaii Island

Locality Honolulu

Scale 1/2500 Date of survey October 10 to 23rd 1929

Vessel Steamer Galde

Chief of Party K. F. Adams

Surveyed by V. M. Gibbons

Inked by V. M. Gibbons

Heights in feet above M. S. L. to ground ~~to tops of trees~~

~~Contour~~ Approximate contour, ~~from line interval~~ 50 feet

Instructions dated June 17, 192⁹

Remarks: