

3422

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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: _____

DESCRIPTIVE REPORT.

Top. _____ Sheet No. *3422*

LOCALITY:

191

CHIEF OF PARTY:

Adjusted and applied to compilation 4167 J. M. A. Mar. 1941
" " " " " 4140 J. M. A. June "

Top. 3422.

See NEW T-4476
A.L.S.

DESCRIPTIVE REPORT.

To accompany topographic sheet "F", Kawaihae Lt. to Mano Pt. Island of Hawaii.
1916.

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

The position of Kawaihae Lt. is about 40M. N.W. from that plotted on sheet "E", and this was brought about in the following manner: a value was secured from the Archives, labeled NEW Kawaihae Light, and this was plotted and controlled the S. end of sheet "E", but when the traverse arrived at Kawaihae from the North it ran past the Light by 40 m., or almost exactly to a concrete pier which was base of former light: believing the traverse had overrun by this 40m. a slight adjustment was made of the two topog. stations (on sheet "E") and "Puukoa" was located under the assumption that the position I had was that of present light. However a determination by myself of the position of this light, and also correspondence with the L.H. Inspector and the Terr. Survey, brought out the information that the value I secured in Washington was position of SECOND Light, and not that of THIRD or present Light.

Therefore the stations on N. end of sheet "F" are correct, but "Puukoa" on sheet "E" should be shifted about 40m. to N.W. to agree with position on "sheet F", and the two topog. stations above referred to should be returned a few metres S.E. to the original prick points. The position of Second Light, as Plotted on "E", is seen between Light and Wireless.

From Kawaihae to Puako the country is the same as that described on sheet "E", which is immediately North: barren, of yellow appearance, fairly steep slope, and made up of innumerable hillocks and gullies.

At Puako there is a large flat area, formerly under cultivation, but S.W. from the locality called Lahuipuaa (F. Woods' ho. and fish pond) the character of country changes entirely; from there on to end of sheet it is one succession of barren, and almost flat, lava flows, and of recent date as compared with the country depicted on previous sheets. Here and there along this shore are attractive oases made up of groves of algeroba and cocoanut, smooth sand beaches, and usually a fish pond.

There is no fresh water any place except in tanks.

From Puako Bay to Lahuipuaa there is a heavy growth of algeroba trees.

There is considerable coral all along the coast of this sheet and it was shown when possible to locate it, but I do not believe there is any of it dangerous to navigation EXCEPTING the well known patch off Kawaihae. I have endeavored to show its limits, which were secured with sextant from boat. Vessels from the South will keep one mile offshore and not head in to Kawaihae Wharf shed bearing EAST (true), or keep on the NORTH side of the extended line of the gable of this wharf shed.

Care has been taken with names: I have examined all existing maps, including chart #4115 and have used only those names which are in local, present, and reputable use; in this I have been greatly assisted by residents and natives along the way: if names have been omitted it is because I could find no authority for their use; if spelling has been changed it has been to conform more closely to local usage. Many names on the old charts have more of a legendary significance than indicating towns or geographic features.

The above mentioned flat at Puako was formerly planted in sugar cane, and irrigated by water from the Parker Ranch, but there was trouble about securing sufficient, or the cost was excessive, and the plantation was abandoned, after an experiment with brackish water; the mill buildings may still stand though there are no commercial activities there at this date.

Kawaihae is the only real settlement and it is a place of considerable importance: it has a covered wharf which is Terr. property, a Govt. Light, a post Office, and a wireless (3 kilowatt) station; it is port of call for the Honolulu-Hilo boats which make it at present, twice a week, Wednesdays and Fridays; also it has about a ten-day service from the Honolulu boat which goes around the South Point of the island, and there are frequent freight steamers. Observation shows that these vessels generally anchor about off the light, and with the wharf bearing about S80E (mag); there is a cheap hotel where lodging, and meals of a kind, may be secured: canned goods are for sale, at exorbitant prices. Small quantities of water may be purchased, at about 22¢ a gallon. Under certain conditions mail arrives and departs from here, between Hilo and Honolulu, overland from Kawaihae to Hilo.

Kawaihae is a great shipping port for ranch products, steers, sheep, and wool; the great Parker Ranch, at Waimea, has its outlet here, and ships great numbers of cattle and horses.

The old heathen temple or heiau, shown on sheet, is conspicuous from seaward; also the above mentioned wireless mast.

There is a practicable horse trail from Kawaihae to Kiholo Bay, and from there it climbs the mountain to the main Govt. road, near station Akahipuu, or John Maguire's place; its junction will be shown on sheet "G".

Coming in from the westward, and unable to pick up the buildings at Kawaihae, head for the great gulch which scars its way down the mountain side about 250m. North of the Light. this is the only gulch of any size on this N. coast, and it is shown on sheet "E". It is not certain if this information was submitted with previous sheet.

Coline R. Hand
Asst. U. S. Geol. S.

DESCRIPTIVE REPORT.

Top. 3422.

To accompany topographic sheet "F", Kawaihae Lt. to Mano Pt. Island of Hawaii.
1915.

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

The position of Kawaihae Lt. is about 40 M. N. W. from that plotted on sheet "3", and this was brought about in the following manner: a value was secured from the Archives, labeled NEW Kawaihae Light, and this was plotted and controlled the S. end of sheet "3", but when the traverse arrived at Kawaihae from the North it ran past the light by 40 m., or almost exactly to a concrete pier which was base of former light: believing the traverse had overrun by this 40 m. a slight adjustment was made of the two topog. stations (on sheet "3") and "Puukoa" was located, under the assumption that the position I had was that of present light. However a determination by myself of the position of this light, and also correspondence with the L. S. Inspector and the Terr. Survey, brought out the information that the value I secured in Washington was position of SECOND Light, and not that of THIRD or present Light.

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There is no fresh water any place except in tanks.

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There is considerable coral all along the coast of this sheet and it was shown when possible to locate it, but I do not believe there is any of it dangerous to navigation EXCEPTING the well known patch off Kawaihae. I have endeavored to show its limits, which were secure with sextant from boat. Vessels from the South will keep one mile offshore and not head in to Kawaihae wharf (which should be EAST (true), or keep on the NORTH side of the extended line of the gable of this wharf shed.

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Coming in from the westward, and unable to pick up the buildings at Kawaihae, head for the great gulch which scars its way down the mountain side about 250m. North of the Light. This is the only gulch of any size on this W. coast, and it is shown on sheet "E". It is not certain if this information was submitted with previous sheet.

Eoline R. Hand
Asst. M. S. C. & G. S.

LIST of POSITIONS

Company topographic sheet "F," Kawaihae Lt. to Mano Point.

ISLAND of HAWAII.

1913

Eoline R. Hand, Asst. Chief of Party.

* Suggestions for offshore

Name	S	D.M.	N	D. B.	Hei.	Description and symbol
*Puuk	20'03		155° 49'		670	Sharp hill one mi. NE of Kawaihae. Position shifted slightly from same on Sheet "E" see Des. Report, Sheet "E."
Wart	02'	19° 23'	50'	164° 49'	15-20	Seagable covered wharf at Kawaihae.
*Heiau	01'		49'		145	Paint on wall old heathen temple (heiau) very prominent landmark.
*Pai	01'		49'		80	House, small new white, red roof, seen above trees, Prop. of Mrs. Pua Poi.
Sit	01'		49'		15	Point (A)
Tub	00'		49'			" on Koahe Pt.
Mat	00'		49'		2	" on rock hummock at end point where long line of rocks makes out.
Vim	00'		49'		25-35	Cairn of stones upon a rise.
Bo	19' 59'		49'		10	Point, three spots.
Got	56'		49'		5	" (A) on rock ledge middle great sand beach.
Lad	54'		49'		25	" three lines.
*Cari	54'		49'		85	" on cairn on hill; telephone pole near.
Gin	54'		155° 50'		5	" three vertical lines.
So	54'		49'		5	" at beach.
Fit	58'		50'		3	" on sharp point S. of beach.
Fur	58'		50'		6	" " " 240 m. W. & N. from A Puaka.
Row	51'		50'			" three hor. lines, point at site old Puaka mill.
Stack	58'		50'			Stack above sugar mill, Puaka; may be removed.
Pun	58'		50'			Point, circle on big pen.
Ma	58'		50'			" on tree, at point.
Mid	56'		50'		5	" + " rock, crowned with white coral rocks.
Cot	51'		50'			" on tree front green shock.
Fun	58' 12 1/2		51' 10 3/4			" (A) on lava flat at Waima Pt., behind small lagoon, orient on L.H. of wireless.
At	57'		51'			" on log placed upright in lava crack, also point on lava.
Was	57'		51'			" + on rock at point E. side Pauoa Bay.
Lu	57'		51'			" (A) " flat lava.
Bo	14' 57'		155° 52'			" (A) " " "
Ho	56'		52'			" (A) " E. side house belonging to Frank Woods.
Mart	56'		52'		10-15	" " tall cairn.
Mar	56'		52'		15	" (A) " top high, sharp lava rock at H. W. M.
Wart	56'		52'		25	" (A) "
But	56'		52'		20	" (B) on smooth cliff face.
*Tit	56'		52'		75	Highest mound 200 m. SE. of great sand patch; has stone pile.
Lot	56'		53'		45-50	Cairn crowned with white coral.
Bud	55'		53'		10	Point + " " "
Cove	55'		53'			" on rock W. side small, narrow bay.
Out	55'		53'		10	" " cairn, Koahe Pt.
Rond	55'		53'			House midst coconut trees S. end fish pond.
Din	54'		53'			Point on end stone wall.
Cap	54'		54'			" (A) " lava slope on point at Kapa'oo.
In	54'		54'		15	" " pinnacle.
Jat	54'		54'		40-50	" (B) " N.E. coconut trees.
Hen	53'		54'			" on large cairn.
We	53'		54'			" (A) on large, smooth, round topped rock.
More	53'		54'			Lone coconut N. of grove and pond.
Mit	53'		54'			Point on pile of stones S.W. of grove + pond.
Hut	53'		54'			" (G) "
Got	52'		55'			" (H) S. end sand. Cairn; spot 150 m. N. of Got not located.
Mar	52'		55'			" (I) on smooth, sloping lava.
Lu	52'	437 40.6	55'	842 40.3		" (J) orient on A Anahua, white cairn.
Lu	52'		55'		20	" "
Jam	52'		56'		15	" (A) "
Kit	51'		55'		5	" (B) "
Boat	51'		55'			Boat ha entrance to lagoon, Robert Hinds' place.
Bob	51'		55'			Sea end concrete pier at fish pond entrance.
Lone	51'		55'			Point on lone coconut, W. of Robert Hinds' place.
*Stone	51'		56'		30-40	Small, white stone house.
Ned	57'		56'			Point on rock on beach, (K)
Spy	51'		56'			Cairn crowned with white coral at W. end beach.
Sam	51'		56'			Point oo
Met	51'		56'			" on two small cairns top high rock at Mano Point.

DEPARTMENT OF COMMERCE

AND REFER TO No. 11-DEM

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

March 27, 1931.

SECTION OF FIELD RECORDS

Memorandum re Change in topography on T. 3422.

In a study and comparison made between the topography on this sheet and the new topography in the vicinity of Kawaihae Light and Puako Bay (T. 4472 and T. 4471 respectively) it has been established that the shoreline between Lat. 20° 02' and Δ Puako should be shifted about 60 meters in a northwesterly direction (see review, T. 4472 for reasons and conclusions). Since part of this shoreline affected has been covered by the new survey which will supersede the old work, it is only necessary to correct the shoreline between the limits of the two new surveys. This has been done in the form of a modified projection in blue on the old topographic sheet and the area affected has been enclosed in a blue line. The projection in blue is the old Hawaiian datum adjusted and corresponds to the projections on the new topographic sheets (T. 4471 and T. 4472).

As the change in the shoreline changes the locations of the topographic signals that were used in the hydrographic work on H. 3650, the soundings on that sheet are therefore not in their correct geographic positions. No change is contemplated, however, in these unless a large scale chart is published covering the area, in which case a study would have to be made of the area that is actually affected. For the present proposed large scale charts in the vicinity of Kawaihae and Puako Bay the new hydrographic surveys cover the full extent of the charts. It will therefore be unnecessary to use the old hydrography. For the general coast chart the difference will not be discernable.

*

A. L. Shalowitz

A. L. Shalowitz

Approved: *This tracing has been superseded by a new tracing on which all of the hydrography needed for new chart 4167 has been plotted. H.L.C. 2/14/44*

Chief, Section of Field Records (Charts)

Chief, Section of Field Work (H. & T.)

** It was found that H-5007 did not cover the full extent of the large scale chart, and that some of the lines on H-3650 outside the limits of H-5007 would have to be used. An adjustment was made in the topographic signals affecting these lines and the lines replotted. The results are shown on a tracing attached to H-3650. None of the signals on T-3393 had to be adjusted. A.L.S. Jan. 28, 1932.*

Applied to compilation 4167 J.M.A. Mar. 1941

4140 J.M.A. May 1941