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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: _____

DESCRIPTIVE REPORT.

Map Sheet No. *3526*

LOCALITY:

191

CHIEF OF PARTY:

11-4045

3526

DESCRIPTIVE REPORT.

To accompany topog. sheet "A", sta. Puu o Kaiaka to sta. Puu Iloii, Molokai Id. T.H.
May, 1915.

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

This sheet embraces the S.W. corner of the island of Molokai, Hawaii. The land is of even, gentle slope, more steep on S. than on W. side, and the S. side is deeply eroded. This side shows a scant growth of grass, while that on W. side is more heavy. This end of the island is very dry.

The S. shore is nearly all sand beach: the W. shore is rock alternating with sand. At N. end of sheet is a remarkable beach about two miles long and three hundred feet wide. Several boat landings have been indicated along W. coast.

No offlying dangers were noticed except the well known reef which starts at station Fin. Its position could only be approximated: it is nearly always indicated by a line of breakers.

The S. shore is lined with a dense growth of algeroba: this tree has a tassel that is attractive to honey bees and as a result the making of honey is an important industry on this island. The road shown runs from Kaunakakai to an apiary which is between the windmill and house below sta. Wailei. A trail continues from here over the end of the island and along the coast.

This land is under lease to the Molokai Ranch (Chas. Cooke, Mgr.) and is used for cattle grazing: stock are watered from tanks conveniently placed, the water being supplied by long pipe lines. There are also a number of deer roaming over this area. The windmills, placed on the bluff to be above the trees, are rigged to pumps below, and keep tanks filled with brackish water for stock.

I have omitted many names that are on chart 4116. These names do not now apply to any definite place, village, etc. but for the most part have a legendary significance. Except for a stray fisherman or a water tender, this entire region is uninhabited.

The light is described on the sheet. Light List gives height as 151 ft. Not wishing to show a disagreement with values of another govt. bureau without good cause, I took especial pains in securing a height for this light. After seven tests, made with carefully adjusted instrument, and from different positions, both from the beach and from a station directly below the lamp, I made the height 142 ft.

Several useful beacons have been indicated, both cairns and cliff corners. The sta. Mihaapilani is especially prominent, being on a sharp cone which now has a whitewashed cairn, with all surrounding boulders whitewashed. Said to be very conspicuous from sea.

Eoline R. Hand

Asst., U.S.C. & G.S.

LIST of POSITIONS. T-3526

to accompany topog. sheet "A", sta. Puu o Kaiaka to sta. Puu Ioli, Molokai ID. T.H.
May 1915 Eoline R. Hand, Asst. Ch. of Party.

suggestions far offshore.

| Name | Ø | D.M. | λ | D.P. | hei. | Description, and symbols. |
|------------|-------|-------------|---------|-------------|-------|---|
| Post | 21°0' | | 157°15' | | | Paint on fence posts NE end great beach at sta. Puu o Kaiaka. |
| Pa | 10 | | 15 | | | Larger & most Nly of two sand dunes, at great beach. |
| SqH | 10 | | 15 | | 20-25 | Paint on post in sand ridge that parallels " " |
| Sa | 21°0' | | 157°16' | | | " " isolated cliff corner at " " |
| Ko * | 09 | 323 1337 | 16 | 1°53 628 | 80 | Prom. conical sand hill (Kee Hill) yellow. |
| No | 09 | | 157°17' | | 35 | Point on group large rocks. |
| Do | 21°0' | | 17 | | 15-20 | " " several small rocks. |
| For | 08 | | 17 | | 45 | " " cairn. |
| Tit. | 08 | | 17 | | 10 | " " rock S side bay and landing. |
| Pa | 08 | | 17 | | 20 | " " small cairn. |
| Asp | 21°0' | | 17 | | 10-15 | " " rock. |
| On | 07 | | 157°18' | | 45 | " " cairn on knoll. |
| Can | 07 | | 18 | | | Highest part of sand ridge that parallels beach, 1 mile NE of Laau Pt. |
| Kit | 21°06 | | 18 | | 20-25 | Point on large rock at point. |
| Mo | 06 | | 18 | | | " " " |
| Laau Pt. * | 06 | 323 1322 | 18 | 210 422 | 142 | White lattice tower on white tank. (orient sta. Kaupoua) |
| We | 21°05 | | 18 | | 70 | Point IIII on cliff point. |
| Pun | 05 | | 157°12' | | 50-60 | " large rock. |
| Fin | 05 | | 157°14' | | 40 | " on cliff corner between beaches 2 1/2 mi. E. of Laau Pt. |
| Hem | 05 | | 16 | | 30-40 | " " " many spots. |
| Us | 05 | | 157°15' | | 115 | " " end long, narrow cliff spur. |
| Up * | 05 | 305 1340 | 15 | 215 1517 | 130 | The outermost, and central part of cliff edge at Haleoloma Pt. |
| Ad | 05 | | 157°14' | | 40 | Point on cliff behind trees 1/4 mi. E. of Haleoloma Pt. |
| Ho | 06 | | 14 | | | House on beach 1 mi. E of " " |
| Wind | 05 | | 14 | | 80 | Windmill on edge bluff 1 mi. E of " " |
| Tin | 05 | | 157°13' | | 70 | W.W. on cubical rock behind trees 300 m. from shore. |
| On | 05 | | 157°12' | | 65 | Point on rock behind trees. |
| At | 05 | 1126 719 | 12 | 320 1352 | 40 | W.W. on prom. flat top cliff point directly on beach. (Orient sta. Waieli). |
| Jap | 05 | | 157°11' | | 25-35 | W.W. " rocky ledge. |
| Mill | 05 | | 11 | | 100 | Windmill edge bluff. |
| Lg | 05 | | 157°10' | | 80 | Whitewash up above bluff 1/2 mi. E. of windmill, 1 mi. W. of great gulch. |
| Jim | 05 | | 157°09' | | 60 | " up on edge bluff, above Ely of two old fish pond walls. |
| Jo * | 21°06 | 372 1473 | 157°08' | 246 986 | 220 | " on great rock 1 mi. E of above mentioned fish wall & 1 1/2 mi. W. of sta. Puu Ioli. |

RECOVERY NOTES - TOPOGRAPHIC STATIONS.

Post Not found after search.

Dan Small stake found at top of dune driven in almost flush with ground. Signal placed here consisting of tapering pole about 2" x 10" at one end and 2" x 3" at other. Iron strap forming ring at large end. This was put down in sand with piece of

| | |
|------|--|
| PUN | Recovered as described |
| FIN | do |
| HAM | do |
| US | do |
| UP | do |
| AD | do |
| HO | do |
| WIND | do |
| TIN | do |
| ON | do |
| AT | do |
| JAP | Not recovered. |
| LA | Recovered as described. |
| JIM | do |
| JO | Not visited. Seen from the sea as whitewash on rock. |

P.L.B.

U. S. C. & G. S. S. PIONEER, O. W. Swainson, Chief of Party

1930-1931

LIST of POSITIONS T-3526

to accompany topog. sheet "A", sta. Puu o Kaiaha to sta. Puu Holi, Molokai Id. T.H.
May 1915

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

Suggestions for notation.

| Name | Q | H.M. | Δ | Alt | hel. | Description, and symbols. |
|------------|------|---------------|---------|--------------|-------|--|
| Post | 2110 | | 157°15' | | | Daint fence posts NE end great beach at sta. Puu o Kaiaha. |
| Post | 10 | | 15 | | | Larger & most Nly of two sand dunes, at great beach. |
| Sc | 10 | | 15 | | 20-25 | Point on post in sand ridge that parallels " " |
| Sc | 2101 | | 157°16' | | | " " isolated cliff corner at " " |
| Hc | 05 | 1312 5.37 | 15 | 1053 6.78 | 80 | Prem. conical sand hill (Keel Hill) yellow. |
| No | 05 | | 157°17' | | 55 | Point on group large rocks. |
| Do | 2101 | | 17 | | 15-20 | " " several small rocks. |
| For | 05 | | 17 | | 45 | " " cairn. |
| Til | 05 | | 17 | | 10 | " " rock S side bay and landing. |
| Pa | 08 | | 17 | | 20 | " " small cairn. |
| Asp | 2101 | | 17 | | 10-15 | " " rock. |
| On | 05 | | 157°18' | | 45 | " " cairn on knoll. |
| Can | 01 | | 18 | | | Highest part of sand ridge that parallels beach, 1 mile NE of Laau Pt. |
| Ht | 2106 | | 18 | | 20-25 | Point on large rock at point. |
| Alc | 05 | | 18 | | | " " " " |
| Lighthouse | 05 | 325 15.22 | 18 | 210 4.22 | 142 | White lattice tower on white tank (orient stationer) |
| Wre | 2105 | | 18 | | 70 | Point IIII on cliff point. |
| Pun | 05 | | 157°17' | | 50-60 | " large rock. |
| Fin | 05 | | 157°16' | | 40 | " on cliff corner between beaches 2 1/2 mi E of Laau Pt. |
| Ham | 05 | | 16 | | 30-40 | " " " many spots. |
| Us | 05 | | 157°15' | | 115 | " " end long, narrow cliff spur. |
| Up | 05 | 205 18.40 | 15 | 210 15.17 | 130 | The outermost, and central part of cliff edge at Haleakala Pt. |
| Ad | 05 | | 157°14' | | 40 | Point on cliff behind trees 1/2 mi E of Haleakala Pt. |
| Hc | 05 | | 14 | | | House on beach 1 mi E of " " |
| Wind | 05 | | 14 | | 80 | Windmill on edge bluff 1 mi E of " " |
| Til | 05 | | 157°13' | | 70 | Wm. on cubical rock behind trees 300 m. from shore. |
| On | 05 | | 157°12' | | 65 | Point on rock behind trees. |
| At | 05 | 112.6 1.19 | 12 | 320 15.22 | 40 | W. W. on prom. flat top cliff point directly on beach (orient stationer) |

Applied to compilation new chart 4120 - Feby 26, 1941 - JAW