Treasury Department,
U. S. COAST AND GEODETIC SURVEY.
O. H. Tschermak
Superintendent.

State: I. N.

DESCRIPTIVE REPORT.

Locality:
Hankoloe Island

1904-5

CHIEF OF PARTY:
J. F. De G. And
Department of Commerce and Labor.

Coast and Geodetic Survey.

A. N. Littmann.
Superintendent.

Kahoolawe Island.
Territory of Hawaii.

Planetary Survey.

Surveyed:
Season of 1904-5

By:
H. W. Rhode, Assistant.

N. L. Beck, Jr.

J. W. Magnin, Jr.

Scale 1/20,000.

Under charge of:
J. F. Croatt, Assistant.
Commanding U.S.S. Patterson.

Descriptive Report
To accompany topographic sheet of Kahoolawe Island.
Planter's Sheet
Kahoolawe Island
Territory of Hawaii
Scale 1/20,000

This island had never been surveyed by the Hawaiian Government and until now the shape and area was unknown.

(2) Under the earlier chiefs and kings of Hawaii it was used for penal purposes and is said to have had a comparatively large population. The island now belongs to the Territory of Hawaii and is leased as a whole to the present lessee using it for sheep ranch. The present population numbering about seven is composed of chief Hawaiian with the exception of one Japanese. The improvements such as dwellings, etc., are all in excellent condition and are well adapted for this purpose for which they were intended. They improvements...
are built and maintained by the lessee.

(3) A lighthouse, fitted with lights, has been built by and is maintained by the lessee on the easterly side of Conrade's Cove. An anchor age with 12 or 13 fathoms with good bottom, for this general locality, can be obtained by towing the light in range with the easterly current build dip (whale house with old roof).

(4) Kaloolawe (kah-loo-loh-ve) Island is of volcanic origin; the bluffs, rocks, and cliffs around its eastern edge and all the overhanging rocks and loose stones one of lava, the latter are very thick in places. The depressions marked on the sheet - are unusually well defined - crater.

5. In early days the elevated portions of this island was covered with trees and bushes and then one, indications that it was once a better nature. About many years ago goats were introduced on the
island. They soon wind and multiply into the thousands; during dry seasons they gnaw the roots off the limbs of the trees and bushes which kills and eventually completely destroys all of this character of vegetation. The cool leaves of the forests on the higher land of the island serve to condense the moisture in the daily load of atmosphere producing local rains and showers; the trees and shrubs covering the ground hold the moisture since Koholow has been cleared it has become almost bare. With the exception of a few "water holes" that last for a few days after a rain there is no fresh water (in account of the porous nature of the lava of which the island is composed), such as springs and streams on the island. The two or three wells that have been dug are brackish, and the only water that is available for domestic purposes is that rain caught in
the roofs of the building and stairs in concrete cousin.
(6) The entire southern side of the island is inaccessible from the
water. The cliffs being too precipitous to climb; in consequence
the topography of the southern portion has to be done from camps
which were poched in on lines without pick-axes. The lumber
for the signal had also to be poched across from the north
side.
(7) Smugglers Cove was so named because, during the latter dynasty,
opium was smuggled into the island with sailing vessels from
Victoria B.C. and this was one of
the favorite places for landing
and hiding it.
(8) Neahkahnie Point. Its western
deepness is one of the more
ancient names in the islands
its meaning being 'on the way
towards Tahiti.' In this reason
that in very early times the
these people voyaged in fleets of canoes to Tahiti guiding their
course by the stars and using this cape as a point of departure.
(9) The geographical peculiarities of this
vahine pulehan stations plotted on
this sheet and from a triangula
tion effected by the Patterson
party during this season in which
this topography was systematized.
The initial points of this triangu
lation were fixed on the Hawaiian
Government topographic survey.
(10) The greatest length of the island
is east and west in north, it being
10 7/8 miles long while its greatest
width of 6 7/8 miles is in a southerly
and northerly direction and near the
eastern end.
(11) The area of this island is about
43,86 square statute miles while the
shoreline amounts to about 38 statute
miles.
(12) The work of this island
was difficult for this reason that large portions of the coast were inaccessible and the landing had to be made in the surf.

(13) A tabl of hydrographic and tectono-
graphic points determined with
this plane table is attached here.

[Signature]

U.S.S. Callisto
Seattle W.

April 18, 1905
<table>
<thead>
<tr>
<th>Object &amp; Description</th>
<th>Låt</th>
<th>D. M.</th>
<th>Long</th>
<th>D. P.</th>
<th>Height</th>
<th>Remarks</th>
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<tr>
<td>Knoll (Post)</td>
<td>20 33</td>
<td>917</td>
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<td>Dune</td>
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<td>03</td>
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<td>Man (Rock)</td>
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<td>Tiny (Flag)</td>
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<td>185</td>
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<td>Pond (Hyd. Sig.)</td>
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<td>D. M.</td>
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<td>Crab (Hyd. Sig.)</td>
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<td>Coop &quot;</td>
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<td>Hun &quot;</td>
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<td>Egg &quot;</td>
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<td>Bert (Rock)</td>
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<td>Noon &quot;</td>
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<td>156 32</td>
<td>900</td>
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<td>&quot;</td>
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<td>Nub (Flag)</td>
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<td>156 34</td>
<td>530</td>
<td>783'</td>
<td>Highest Pt.</td>
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To accompany plumb line sheet of Kohololua Island, T.H. 1st July 26th season of 1904-5.
Department of Commerce and Labor

COAST AND GEODETIC SURVEY

SUPERINTENDENT.

STATE, __________________________  LOCALITY, __________________________

OBJECT, __________________________  YEAR, __________________________

CHIEF OF PARTY, __________________________  NEGATIVES, __________________________

NEGATIVE No. __________________________  PRINT No. __________________________

PRINTS, __________________________

REMARKS:

______________________________________________

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U. S. C. G. SURVEY,
LIBRARY AND ARCHIVES,

MAY 15 1905

Acc. No.