DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
E. Lester Jones, Director

State: Hawaii

DESCRIPTIVE REPORT
Topographic | Sheet No. 4299
Hydrographic

LOCALITY
Hawaiian Islands
Kauai Island
Anahola Bay

1937

CHIEF OF PARTY
F.G. Engle
DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET No. "E", Anahola Bay, Kauai Island, T.H.

F.G. Engle Chief of Party. Directors Instructions dated Nov. 23, 1926

EXTENT:

This sheet includes the shore-line of Anahola Bay, extending from about 1 mile south to 1 mile north of the bay. It also includes the topography to approximately 1/4 mile back from the coast.

GENERAL DESCRIPTION:

Anahola Bay situated on the north-east coast of Kauai Island is a small open bay about 1/2 mile across. South of Kahala Pt., the shore-line is low and strewn with bowlders. The land slopes gently back from the coast to the flat cane fields. The inner part of the bay from Kahala Pt. to Kuahau Pt. is a sandy beach with a few scattered houses. From Kuahau Pt. to the northern limit of the sheet the shore-line is mostly sandy with a few patches of black rocks. The land back of this section is devoted to the cultivation of pine-apples.

The Anahola River empties into this bay and is navigable by rowboats for about 1 mile where rocks and rapids impede further progress. The mouth of the river is obstructed by a sand bar which limits the depth to from 1 to 2 feet at time of low water. Rice is grown in this valley.

Breakers extend off the east coast from the south limit of the sheet to the inside of Kahala Pt. to a distance of 100 to 200 meters. A reef partly bare at time of extreme low water makes out about 350 meters off the coast from Kuahau Pt. to latitude 22° 10'.

On account of exposure to the northeast trade winds this bay is usually rough and has no commercial importance.

LANDMARKS and AIDS TO NAVIGATION:

The most important landmark in this vicinity is the pinnacle Pum Kononae 1430 feet above mean high water. This pinnacle rises almost vertically from the surrounding ground and is easily distinguished from seaward. It is about 1 1/2 miles back from the coast.

Kahala Pt. light marks the south side of Anahola Bay and the entrance is marked by 2 white unlighted range beacons about 15 feet high. At the inner part of the bay is an abandoned dock, the concrete piles of which still remain.

SURVEY METHODS:

The 6 triangulation stations shown, including Kahala Pt. light, furnished control for this work. This work was accomplished by the usual plane-table methods and all traverses closed within the required limits. The limits of breakers and the reef mentioned above were sketched in by a hydrographic party.
LIST of PLANE-TABLE POSITIONS

<table>
<thead>
<tr>
<th>Name</th>
<th>Latitude</th>
<th>D.M. meters</th>
<th>Longitude</th>
<th>D.P. meters</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLAG</td>
<td>22° 08'</td>
<td>1449</td>
<td>159° 18'</td>
<td>394</td>
<td>Flag in 1 inch pipe projecting 1 foot.</td>
</tr>
<tr>
<td>FRONT</td>
<td>22° 08'</td>
<td>1571</td>
<td>159° 18'</td>
<td>823</td>
<td>Front range beacon</td>
</tr>
<tr>
<td>REAR</td>
<td>22° 08'</td>
<td>1437</td>
<td>159° 18'</td>
<td>858</td>
<td>Rear range beacon</td>
</tr>
</tbody>
</table>

- Statute miles of shore-line: 5.2
- Statute miles of rivers: 1.0
- Statute miles of roads and railroads: 5.5

Respectfully submitted,

Approved and forwarded,

[Signature]
Chief of Party

[Signature]
Topographer

Inspected January, 1928, and found adequate.

[Signature]
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 4299

State . . . Hawaiian Islands

General locality . . Kauai Island

Locality . . . Anahola Bay

Chief of party . . F.C. Engle

Surveyed by . . J.C. Partington

Date of survey . . April 1927

Scale . . . 1:5,000

Heights in feet above Mean high water

Contour interval . . 20 . . feet

Inked by . . J.C. Partington Lettered by J.C. Partington

Records accompanying sheet (check those forwarded): Photographs, Descriptive report, Horizontal angle books, Field computations, Data from other sources affecting sheet

Remarks: