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

State: Hawaii

C. & G. SURVEY
L & A.
DEC 14 1927
Acc. No.

DESCRIPTIVE REPORT
Topographic Sheet No. 4290
Hydrographic

LOCALITY
Hawaiian Islands
Kauai Island
Hanalei and Wainiha Bays

1927

CHIEF OF PARTY
P.G. Engle
DESCRIPTIVE REPORT
to accompany
TOPOGRAPHIC SHEET #1, HANALEI and WAINIHA BAYS, KAUAI ISLAND, T.H.

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

EXTENT:
This sheet includes the shore-line of Hanalei and Wainiha Bays and the
topography for approximately 1/2 mile inland. This sheet connects on the east
with Topographic Sheet # D and on the west with Topographic Sheet # A.

GENERAL DESCRIPTION:
Hanalei Bay is circular in shape, being about 1 mile wide and indents the
coast about the same distance. From the eastern limit of the sheet to Puupoa
Pt. the shore-line is rocky and steep, rising to an average height of 120 feet.
From Puupoa Pt. to Makahoa Pt. the shore-line is a continuous sand beach. The
Hanalei River empties into the east side of the bay and is navigable by boats
of shallow draft for about 1 mile. Just south of the mouth of the Hanalei
River is a concrete wharf. The local steamer calls here weekly and cargo is
carried between the ship and the wharf in small boats. Rice is grown extensive-
ly in the valley and is the chief export.

The village of Hanalei is scattered along the east and south shores of
the bay. Supplies may be purchased here in limited quantities and there is
communication to all parts of the island by telephone.

The Waialu and Waipa streams empty into the south side of Hanalei Bay but
their mouths are generally closed by sand bars. Makahoa Pt. is low and rocky
back of which is a green hill which rises to a height of 720 feet. Kolokolo
Pt. is a low red rocky point which forms the east side of Wainiha Bay. The
Lumahai River empties just east of the point and is navigable by small boats
for about 3/4 of a mile. The east shore of Wainiha Bay is rocky while the head
of the bay and west shore are sand beaches. The Wainiha River empties into
this bay and is navigable by small boats for a distance of about 3/8 of a mile.

At the head of Wainiha Bay is a wood pile dock and a derrick. A few houses
are scattered along the government highway at the head of the bay but these
are not easily distinguished from seaward. Wainiha Bay is usually rough due to
exposure to the northeast trades and is of very little commercial importance.

SURVEY METHODS:
The survey was accomplished by the usual plane-table methods and the nine
triangulation stations shown furnished control for the work. The positions
of the plane-table were located almost entirely by re-section and three point fix.
Closed traverses were run up the Hanalei and Wainiha Rivers closing satisfactor-
ably. Elevations were obtained by rod readings and vertical angles.

List of Plane-table Positions and Statistics accompany this report.

Approved and forwarded,
F.C. Engle
Chief of Party

Respectfully submitted,
J.C. Partington
Topographer
LIST OF PLANE-TABLE POSITIONS

to accompany
Topographic Sheet of Hanalei and Wainiha Bays, Kauai Id. T.H.

<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>Lone</td>
<td>22° 12'</td>
<td>(89)</td>
<td>159 30</td>
<td>(1671)</td>
<td>Confiscuous lone ironwood tree, west end of ridge, north of Hanalei River.</td>
</tr>
<tr>
<td>Tall</td>
<td>22 12</td>
<td>(851)</td>
<td>159 29</td>
<td>(186)</td>
<td>Tallest tree in clump east side of bay.</td>
</tr>
<tr>
<td>Sal</td>
<td>22 12</td>
<td>(1479)</td>
<td>159 30</td>
<td>(1211)</td>
<td>Small white flag pole, south side of bay.</td>
</tr>
<tr>
<td>Tree</td>
<td>22 12</td>
<td>(87)</td>
<td>159 31</td>
<td>(86)</td>
<td>Small tree on sand beach.</td>
</tr>
<tr>
<td>Hik</td>
<td>22 12</td>
<td>(131)</td>
<td>159 32</td>
<td>(745)</td>
<td>Derrick on dock at Wainiha Bay.</td>
</tr>
<tr>
<td>Pole</td>
<td>22 13</td>
<td>(1816)</td>
<td>159 32</td>
<td>(560)</td>
<td>Telephone pole on bluff.</td>
</tr>
<tr>
<td>Flag</td>
<td>22 13</td>
<td>(1647)</td>
<td>159 32</td>
<td>(465)</td>
<td>Flag on telephone pole on sand beach.</td>
</tr>
<tr>
<td>How</td>
<td>22 13</td>
<td>(1343)</td>
<td>159 32</td>
<td>(249)</td>
<td>Center of square red house, west side of bay.</td>
</tr>
</tbody>
</table>

Statute miles of shore-line 6.4
Statute miles of rivers 2.1
Statute miles of roads 6.6
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. 4290

State . Hawaii
General locality . Kauai Island
Locality . Hanalei and Wainiha Bays
Chief of party . E.G. Engle
Surveyed by . J.C. Partington
Date of survey . June and July 1927
Scale . 1 : 5000
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: