

4290

Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
E. Lester Jones, Director	
<div>C. & G. SURVEY L. & A. DEC 14 1927 Acc. No.</div>	
State: <u>Hawaii</u>	
DESCRIPTIVE REPORT	
Topographic Hydrographic	I Sheet No. 4290
LOCALITY	
<u>Hawaiian Islands</u>	
<u>Kauai Island</u>	
<u>Hanalei and Wainiha Bays</u>	
<u>1927</u>	
CHIEF OF PARTY	
<u>F. G. Engle</u>	

GOVERNMENT PRINTING OFFICE

4290

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET #I, HANAIEI and WAINIHA BAYS, KAUAI ISLAND, T.H.

F.G.Engle, Chief of Party.

Director's Instructions dated Nov.23,1926.

EXTENT:

This sheet includes the shore-line of Hanalei and Wainiha Bays and the topography for approximately $\frac{1}{2}$ mile inland. This sheet connects on the east with Topographic Sheet # D and on the west with Topographic Sheet # H.

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 extensively 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 Waioli 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 $\frac{3}{4}$ 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 $\frac{3}{8}$ 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 satisfactorily. Elevations were obtained by rod readings and vertical angles.

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

Approved and forwarded,

F.G. 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.

Name	Latitude	D.M. meters	Longitude	D.P. meters	Remarks
Lone	22° 12'	(89) 1757	159 30	(1671) 47	Conspicuous lone ironwood tree, west end of ridge, north of Hanalei River.
Tall	22 12	(851) 994	159 29	(186) 1532	Tallest tree in clump east side of bay.
Sal	22 12	(1479) 366	159 30	(1211) 507	Small white flag pole, south side of bay.
Tree	22 12	(87) 1758	159 31	(86) 1632	Small tree on sand beach.
Rik	22 12	(131) 1714	159 32	(745) 974	Derrick on dock at Wainiha Bay.
Pole	22 13	(1816) 29	159 32	(560) 1159	Telephone pole on bluff.
Flag	22 13	(1647) 198	159 32	(465) 1253	Flag on telephone pole on sand beach.
How	22 13	(1343) 502	159 32	(249) 1470	Center of square red house, west side of bay.

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:

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