4299

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

E. Lester Jones, *Director*

C. & G. SURVEY
L. & A.
DEC 30 1927
Acc. No.

State: Hawaii

DESCRIPTIVE REPORT

Topographic / ~~*Hydrographic*~~ *Sheet No.* E 4299

LOCALITY

Hawaiian Islands

Kauai ~~Island~~

Anahola Bay

1927

CHIEF OF PARTY

F.G. Engle

GOVERNMENT PRINTING OFFICE

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 ¼ mile back from the coast.

GENERAL DESCRIPTION:

Anahola Bay situated on the north-east coast of Kauai Island is a small open bay about ½ 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 Kuaehu Pt. is a sandy beach with a few scattered houses. From Kuaehu 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 row-boats 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 Kuaehu 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 Puu 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 1½ 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 16 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

Name	Latitude	D.M. meters	Longitude	D.P. meters	Remarks
FLAG	22° 08'	1449	159° 18'	394	Flag in 1 inch pipe projecting 1 foot.
FRONT	22 08	1571	159 18	823	Front range beacon
REAR	22 08	1437	159 18	868	Rear range beacon.

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

Respectfully submitted,

J. C. Partington
Topographer

Approved and forwarded,

F. G. Engle
Chief of Party

Inspected January, 1928 and found adequate.
E. T. Ellis

Form 537a
11—5813

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

4299

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. E 4299

State . . . Hawaiian Islands . . . . . .

General locality . . Kauai ~~Island~~ . . . . . .

Locality . . . . . Anahola Bay . . . . . .

Chief of party . . F.G.Engle . . . . . .

Surveyed by . . . J.C.Partington . . . . . .

Date of survey . . April 1927 . . . . . .

Scale . . . . . 1 : 5,000 . . . . . .

Heights in feet above Mean high water . . . . . .

Form line ~~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: