

3007

83
SHA
3007
1909
H

Diag. Cht. No. 904-1

C. & G. SURVEY,
LIBRARY AND ARCHIVES
SEP 28 1909
Acc No.

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. H. Lettman
Superintendent.

State: *Porto Rico*

DESCRIPTIVE REPORT.

Hyd. & Sheet No. 3007

LOCALITY:

*Southeast Coast of Porto
Rico, Port Yabucoa*

1909

CHIEF OF PARTY:

W. C. Hart

3007

Library and Archives

COAST AND
GEODETIC SURVEY

SEP 27 1909

REFERRED TO

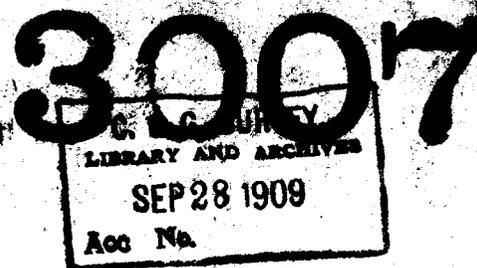
Assistant in Charge

DESCRIPTIVE REPORT

to accompany Hydrographic Sheet No.

Yabucoa Harbor, Porto Rico.

Scale 1:10000



by the party on the Steamer BACHE commanded by

Assistant W. C. Hodgkins

1909.

This reexamination of the entrance and anchorage at Yabucoa was made in pursuance of orders issued in consequence of a commercial steamer having struck a rock while entering the bay.

In addition to the work of searching for the rock and developing the anchorage, the survey was extended to cover the previously unsurveyed areas in the northern approach to the anchorage and in the southern part of the bay.

Owing to the heavy swell which prevailed while the work was in progress it was not practicable to sound across the reefs, as the sea was breaking in places where the water was from ten to twelve feet deep.

As it was, some of the work was rather risky, both the launch and the whale-boat shipping seas while at work.

There were no triangulation points available for the work and therefore after the signals were built, a plane table survey was made to determine their relative positions.

The distances were obtained from telemeter measurements along the beach and other points were determined by intersections from stations on the measured line.

Portions of the shore line were shown on the plane table sheet to permit the adjustment of this work to the former survey and some objects indicated in the former survey were also determined to aid in this adjustment. The principal of these were a large old chimney called "BRICK" and an isolated rocky pinnacle called "BROWN".

DESCRIPTIVE REPORT. No. 2.

The anchorage at Yabucoa is a poor one and hardly worthy to be called a harbor. The bay is wide open to the southeast swell from the Caribbean sea and the only shelter is that afforded by the entrance reef. Vessels anchoring there need the best of ground tackle and sailing vessels run great risks in using the roadstead at all.

Respectfully submitted,

W. C. Hodgkins

Assistant.

To the Superintendent,

Coast and Geodetic Survey,

Washington, D. C.

3007

STATISTICS. SHEET "C".

C. & G. SURVEY,
LIBRARY AND ARCHIVES
SEP 28 1909
Acc No.

Date.	Letter.	Vol.	Angles.	Soundings.	Miles.	Boat.
1909.						
June 9.	a	1	226	702	17.00	Launch No. 32.
June 10.	b	1	76	318	4.7	Launch No. 32.
June 10.	c	2	20	75	1.2	Launch No. 32.
June 11.	d	2	82	305	5.5	Launch No. 32.
June 12.	e	2	80	303	6.1	Launch No. 32.
TOTAL.	4	2	484	1703	34.6	Launch No. 32.
June 9.	a	1	90	337	5.1	Whaleboat.
June 10.	b	1	124	444	5.5	Whaleboat.
June 11.	c	1	226	601	8.5	Whaleboat.
June 12.	d	1	104	241	2.8	Whaleboat.
June 12.	e	2	30	77	1.0	Whaleboat.
TOTAL.	4	2	574	1700	22.9	Whaleboat.

RECAPITULATION.

Launch No. 32.	4	2	484	1703	34.6	
Whaleboat.	4	2	574	1700	22.9	
GRAND TOTAL.	8	4	1058	3403	57.5	

C. & G. SURVEY,
LIBRARY AND ARCHIVES
JUL 23 1910
Acc No.

Hyd Sheet No 3007

Nov 20 1909

This work together with the previous survey covers the northern part of the bay fairly well with the exceptions of the broken area south of Lat $18^{\circ} 03'$ and east of Long $65^{\circ} 49'$. On the northern part of the bay a system of cross lines should have been run and the shoal spots properly developed.

The records were kept in a satisfactory manner

H. L. Simons