

4280

Form 504					
DEPARTMENT OF COMMERCE					
U. S. COAST AND GEODETIC SURVEY					
_____, Director					
<table border="1"><tr><td>C. &amp; G. SURVEY</td></tr><tr><td>L. &amp; A.</td></tr><tr><td>NOV 25 1927</td></tr><tr><td>Acc. No.</td></tr></table>		C. & G. SURVEY	L. & A.	NOV 25 1927	Acc. No.
C. & G. SURVEY					
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NOV 25 1927					
Acc. No.					
State: Porto Rico					
DESCRIPTIVE REPORT					
<i>Topographic</i> <del><i>Hydrographic</i></del>	Sheet No. <sup>16.</sup> 4280				
LOCALITY					
S. Coast					
Guayanilla Harbor					
_____ 1927					
CHIEF OF PARTY					
G. C. Mattison					

GOVERNMENT PRINTING OFFICE

DEPARTMENT OF COMMERCE.  
U.S. COAST AND GEODETIC SURVEY  
E. LESTER JONES, DIRECTOR.

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DESCRIPTIVE REPORT  
to accompany  
TOPOGRAPHIC SHEET No. 16  
GUAYANILLA HARBOR, PORTO RICO.

S.S. RANGER.

G.C. MATTISON,  
Chief of Party.

1927.

DESCRIPTIVE REPORT  
to accompany  
TOPOGRAPHIC SHEET No. 16

GUAYANILLA HARBOR, PORTO RICO.

Instructions dated December 30, 1926.  
Reference 10-rs.

INTRODUCTION:

Instructions for this topography are contained in the second paragraph of the above letter. It was desired to survey the present conditions around Point Pepillo inasmuch as a comparison between Chart #928 and a blueprint forwarded to the office by the Texas Company showed differences in that vicinity. Upon arriving at the working grounds it was noted that changes other than at Point Pepillo had occurred, so a resurvey was made of the entire shoreline that differed from the previous survey. An effort was made to complete the work on March 31, 1928 when the RANGER was supervising drag work in that vicinity. A little additional work was necessary, however, and this was done on May 5th, 1927, from a shore party at Ponce, P.R.

METHOD:

The usual plane-table and stadia method was used in making this survey. Only one triangulation station was recovered and it was impracticable to spend time searching for others. In accordance, therefore, with paragraph 10, Instructions dated February 28, 1927, the survey was tied in with the unchangeable shoreline of the previous survey. As it was not practicable to use the recovered triangulation station and as no definite point could be identified, a traverse was run using no control. This is shown on an inset on the topographic sheet. Cuts were taken to a tall black chimney which was located from the nearby remains of a former chimney whose position had been determined by triangulation in 1900. The recovered station is named "S.H. CHY" on Trujillo Plantation.

After completing the survey shown on the inset, the work was transferred to the projection by tying in the eastern limit to the fast shoreline and the western limit to the fast shoreline and the chimney above referred to, cuts having been taken to the latter from various setups.

GENERAL:

Improvements around Point Pepillo are the most important changes on the sheet. There are two small docks further in the bight, the easternmost one being a concrete boat landing with pipe lines leading from the molasses tanks shown on the topographic sheet. The westernmost one is used for loading sugar lighters.

A narrow gauge railway runs down to this dock. Neither of these small docks have sufficient water for boats other than launches or shallow draft lighters.

The mouth of the Guayanilla River has shifted somewhat. Unimportant changes such as shacks etc., were not deemed worth while to expend time on.

A list of plane-table positions of recoverable objects accompany this report.

The tanks at Point Pepillo stand out prominently. The molasses tanks and flag-pole near the schoolhouse are good landmarks for boats anchored close in. The form "Landmarks for Charts", containing these objects is submitted with this report.

Approved.

*G. C. Matten*  
*Chy. S. S. Ranger.*

Respectfully submitted.

*R. F. A. Studde*  
R. F. A. STUDDE,  
Jr. H. & G. Engineer,  
Topographer.

LIST OF PLANE TABLE POSITIONS  
TOPOGRAPHIC SHEET # 16

Object and Description	Lat.	D.M.	Long.	D.P.	Remarks
Black stack	18 00	263	66 45	1361	: On building at Texas Co. Plant.
Small tank	18 00	267	66 45	1338	: On bluff, Pt. Pepillo
Derrick	18 00	755	66 46	665	: On end of sugar dock
Flag-pole	18 00	906	66 46	608	: Near schoolhouse on beach.
Chimney	18 00	1276	66 47	1148	: Tall black, at Trujillo Sugar Plantation Central.

STATISTICS  
TOPOGRAPHIC SHEET # 16  
GUAYANILLA HARBOR, P.R.

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Area surveyed - - - - -1.0 sq. mile  
Miles shoreline - - - - -2.3 stat. miles.  
Roads, Railroads, etc.- - - - -0.8 stat. miles.



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

C. & G. SURVEY  
L. & A.  
OCT 27 1927  
Acc. No.

REG. NO. 4280

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. 16

REGISTER NO. <sup>4280</sup> 4280

State Porto Rico

General locality South coast

Locality Guayanilla Harbor

Scale 1/10,000 Date of survey Mar. 31, May 5, 1927

Vessel RANGER

Chief of Party G.C. MATTISON

Surveyed by R.F.A. STUDDS

Inked by R.F.A. STUDDS

Heights in feet above --- to ground to tops of trees

Contour, Approximate contour, Form line interval ---- feet

Instructions dated December 30, 1927

Remarks: \_\_\_\_\_