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State: *Porto Rico*

DESCRIPTIVE REPORT.

*Hydrographic Sheet No. 2535*

LOCALITY:

*South Coast of Porto Rico  
Off Entrance to  
Juanica Harbor*

1901

CHIEF OF PARTY:

*Jr. J. Flower*

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Off Entrance to Guanica Harbor

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Geo. L. Flower,  
Chief of Party, C. & G. S.

COAST AND  
GEODETIC SURVEY

JAN 6 9 46 AM 1904

FILE:  
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ASSISTANT IN CHARGE

# Descriptive Report

Hydrographic Sheet No. 2535

South Coast of Porto Rico, Off Entrance To Guanica Harbor

Dec. 1903

This Report is made nearly 3 years after the survey. It is not very comprehensive as many items of importance in mind at the time, are forgotten. This has been my first opportunity to see and examine the completed sheet.

It adjoins Hydrographic Sheet No. 2514 on the south and covers that portion of the approaches to Guanica Harbor not covered by that sheet. The development was carried out to the 10 fathom curve.

From the 10 fathom curve, shoreward, the water shoals abruptly to 7 fathoms and in places 6 fathoms and in general these depths are maintained to the shoreward limit of the sheet, excepting along the eastern limit. However, the bottom is very uneven, full of elevations and depressions, and is hard and in places rocky.

Several narrow rocky ledges extend

out from the higher elevation to the eastward and carry from  $29\frac{1}{2}$  to 30 feet of water. The most important one of these is now described. Beginning at a point about  $\frac{3}{4}$  of a mile south of Point Grea it extends eastwardly, curving to the north, across the approach to the Harbor. There is a break in this ledge almost south of Pt. Pescadores forming a channel about 200 meters wide with a depth of 41 feet in the middle. Between the end of the ledge and Pt. Grea there is also deeper water. Inside of this ledge several shoals were found with 30 feet of water and eastwardly from a line south of Pt. Misito Pt. Ho. shallower water is found.

Along the 10 fathom curve and seaward the water moves westwardly along the coast with quite a perceptible current.

As the maximum depth of water in the harbor entrance is  $28\frac{1}{2}$  feet and shoals gradually toward the head, vessels which can enter the harbor, can

safely cross the ledges on this sheet, west of a south line from Pt. Mesita Lt. Ho. due allowance being made for the effect of the sea running at the time.

The directions for entering Guánica Harbor will be found in my Descriptive Report of Guánica Harbor Survey.

Geo. L. Flower,  
Chief of Party U. S. S.