

6879

Diag. Cht. No. 904

Form 504 Rev. April 1935	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Topographic <del>Hydrographic</del>	Sheet No. <b>T6879</b> CONFIDENTIAL
Field Sheet "H"	
U. S. COAST & GEODETIC SURVEY LIBRARY AND ARCHIVES	
APR 20 1942	
Acc. No. _____	
State <u>Puerto Rico</u>	
LOCALITY	
<u>Roosevelt Roads Naval Base</u>	
<u>Dague River</u>	
Project C. S. # 268	
<del>1932</del> 1941	
CHIEF OF PARTY	
<u>Ray L. Schoppe</u>	

U. S. GOVERNMENT PRINTING OFFICE

DECLASSIFICATION BY NOAA  
PURSUANT TO DOC SYSTEMATIC REVIEW  
GUIDELINES AS DESCRIBED IN SECTION  
3.3 (a), EXECUTIVE ORDER 12356

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

CONFIDENTIAL  
T6879

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. " H "

REGISTER NO. T6879  
CONFIDENTIAL

State Puerto Rico  
General Locality Roosevelt Roads - East End near Ensenada Honda  
Locality Daguan River Roosevelt Roads Naval Base.  
Scale 1 / 4800 Date of survey August - November, 19 41  
Vessel Shore Party  
Chief of party Ray L. Schoppe  
Surveyed by J. P. Diaz  
Inked by A. Deziel  
Heights in feet above M. H. W. to ground top of trees  
Contour, Approximate contour from top interval 5 feet  
Instructions dated May 20 (Radiogram), 19 41  
Remarks: Special survey for the Navy Department.

GPO 260853

Alidade No. 247 was used on this sheet.



PROJECT C. S. # 268

Field Number - Sheet "H" T-6879

This sheet covers a part of Roosevelt Roads Naval Base. It is one of a series of thirteen sheets. This sheet covers the mangrove area at the mouth of the Dagua River and the hills on each side of this mangrove. This is one of several sheets that border Algodones Bay. For notes that apply to all of the sheets of the series, reference is made to the Descriptive Report for sheet "A", of this project. T-6872

(a) Descriptive.

The hills bordering the mouth of the Dagua River are over 200 ft. high. But higher hills are found close by on either side. These steep sided hills are characteristic of this region. North of the mangrove area, the Dagua River runs through some fine sugar cane fields. This flat land is shown on sheet "I". T-6880

On the hills on this sheet, there is some sugar cane, but this area is mainly, cleared pasture land.

(b) Landmarks.

There are no landmarks.

(c) Control.

Control points on this sheet were located by triangulation in 1941. A special report on this triangulation has been submitted. All triangulation on this project in 1941, is observed with second order accuracy. But the recovered



stations, MURPHY 2, PUERCA, CEIBA and PRIETO are a part of the adjusted third order scheme which covers Puerto Rico and the Virgin Islands.

On this sheet, topography is controlled by stations DELICIAS, GUAYACAN, SOUTH, ABRA, LOMA, VERDE, Mc CONNIE, and ORIENTE. Topographic signals ELM, GAL, MAY and PEG were located by theodolite cuts. Others were located by plane table cuts and were checked by resections. The elevation of station DELICIAS is the result of an unchecked line of spirit levels run by the Navy Survey Parties. This elevation was checked by vertical angles to water level and the value of 333.4 ft. was accepted as correct. The elevations of SOUTH, GUAYACAN, ABRA, LOMA and VERDE were computed from vertical angles and checked from rod readings on H. W. M. These values were then used for vertical control of the sheet. See notes in the descriptive report of sheet T-6872 "A" for vertical control.

(d) Traverse.

Control listed above, was so located that traverse was reduced to a minimum. Practically all set-ups could be located by three point fixes. Few, and only short traverses were run between three point fix positions. If closure was greater than three meters, the line was re-run. If less, it was adjusted. No details were rodded from traverse points until the correct location and elevation was determined.



(e) Survey Methods.

When work on this sheet was started, the field party was not entirely untrained. Close supervision was necessary, and Lieut. Riddell planned to visit each party in the field at least once a day. The outer edge of the mangrove was located from a flat bottomed skiff and was plotted from sextant angles. From these positions, low water line was sketched. See notes in the descriptive report for sheet "A". T-6872

(f) Form lines.

No offshore verification of form lines was possible. Various aerial photographs were available and form lines were carefully checked with them.

(g) Revision Work.

None on this sheet. This is an independent survey.

(h) Incomplete Portions.

None on this sheet.

(i) Deviation from Standard Practice.

See notes in Descriptive Report of Sheet "A". T-6872

(j) Junctions.

At all junctions between sheets, a small overlap was run and if contours did not make a good fit, the field work was re-run until the correct elevations were located. No adjustments were then necessary.



(1) Plane table positions.

Plane table positions were not marked and will not be recoverable after the pole signals are destroyed. Marked triangulation stations may be recovered for any future work.

(m) Photographs.

The entire area has been photographed at least three times. The U. S. Geological Survey is now compiling an aero-topographic map of the whole island. Their pictures are all single lens prints. I had several of them for a few days, but none were available when sheets were finally inked. The Army Engineers have some rather good looking prints of the entire coast line but I have no information as to the control that they used nor as to the accuracy of the scale, etc. Several years ago, the Puerto Rico Reconstruction Administration had a mosaic made from aerial photographs. This gives good detail in some regions but in the Ensenada Honda and the Daguao River area, the prints are not distinct.

(n) Changes in shoreline.

The old work was on a small scale. No changes are noted.

(o) Marshes.

The mangrove area at the mouth of the Daguao River is marshy and is well defined except at the north end. Here a road has been built across the marsh and most of the



land north of the road is cultivated. For a few yards south of the road, the boundary between marsh and mangrove, and even the several river channels, are indistinct. The area is not important.

(p) Magnetics.

An observation by declinatoire near LOMA at 10:00 A. M., 60th Meridian Time, October 15, 1941, gives a value of  $6^{\circ}55'$  west. The average of eight observations on this project gives a mean value of  $6^{\circ}20'$  west.

(q) Statistics.

Shoreline	7.4 miles
Roads	1.6 mile
Creeks	0.8 mile

Respectfully submitted,



Ray L. Schoppe, Lt. Comdr. U.S.C.&G.S.  
Officer in Charge  
San Juan Magnetic Observatory



## Remarks

## Decisions

1		181656
2	Rio on 7-2540	182656
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5	For title	182653-54
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GEOGRAPHIC NAMES

Survey No.

**T6879**

CONFIDENTIAL

Name on Survey

	A, On Chart No.	B, On previous survey No.	C, On U. S. quadrangle Maps	D, From local information	E, On local Maps	F, P. O. Guide or Map	G, Rand McNally Atlas	H, U. S. Light List	K	
<u>Algodones Bay</u>										1
<u>Daguao R.</u>										2
										3
										4
<u>Roosevelt Roads</u>										5
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Names underlined in red approved

by L. Heck on 6/18/42



# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
DESCRIPTIVE REPORT  
~~PHOTOSTATIC OF~~

~~No. 11~~

No. T **T6879**

CONFIDENTIAL

{ received April 20, 1942  
registered April 23, 1942  
verified  
reviewed  
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
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RETURN TO

82	R. W. Knox
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*[Handwritten signature]*

**DIVISION OF CHARTS**

**REVIEW SECTION - SURVEYS BRANCH**

**REVIEW OF TOPOGRAPHIC SURVEY**

**REGISTRY NO. 6879**

**Field No. H**

**Puerto Rico, Roosevelt Roads, Dagua River  
Surveyed August - November 1941; Scale 1:4,800  
Instructions dated May 20, 1941 (radiogram), project 268**

**Plane Table Survey**

**Aluminum Mounted**

**Chief of Party - Ray L. Schoppe  
Surveyed by - J. P. Diaz  
Inked by - A. Deziel  
Reviewed by - Harold W. Murray  
Inspected by - H. R. Edmonston, August 23, 1944**

**1. Junctions with Adjacent Surveys**

**The junctions on the north, east and west with 1941 surveys T-6880, T-6877b, T-6878 and T-6881 are excellent.**

**2. Comparison with Prior Surveys**

**T-2540 (1901), scale 1:20,000**

**This survey covers all of the shoreline area and about half of the inland contoured area west of Dagua River. General agreement is good in some areas but in others differences of 70 meters are noted in mangrove limits, 40 meters in shoreline and in centers of prominent hills. The scattered occasional buildings or shacks shown on the old survey but not on the present survey are probably nonexistent, obscured by vegetation or otherwise deemed unimportant by the topographer. The present survey is adequate to supersede this survey.**

**3. Comparison with Chart 917 (New Print dated 2-25-44)**

**Shoreline details on the present survey have been applied to the chart prior to this review. The inland details remain to be added to the chart.**



4. Condition of Survey

Satisfactory.

5. Compliance with Project Instructions

Satisfactory.

6. Additional Field Work Recommended

This is a thoroughly complete and comprehensive survey, and it is therefore considered a basic survey.

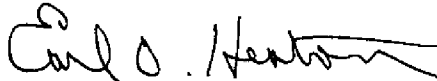
Examined and approved:



Chief, Surveys Branch



Chief, Division of Charts



Chief, Section of Hydrography



Chief, Division of  
Coastal Surveys

## NAUTICAL CHARTS BRANCH

SURVEY NO. 6879

## Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.