

6873

Diag. ch. No. 904

Form 504 Rev. April 1935	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. T6873 Field Sheet "B"
U. S. COAST & GEODETIC SURVEY LIBRARY AND ARCHIVES	
APR 20 1942	
Acc. No. _____	
State	Puerto Rico
LOCALITY	
Roosevelt Roads Naval Base	
Project C.S. # 268	
193 1941	
CHIEF OF PARTY	
Ray E. Schoppe	

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.

T6873

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. " B "

REGISTER NO. **T6873**

State Puerto Rico.

General Locality East end, near Ensenada Honda.

Locality Roosevelt Roads Naval Base.

Scale 1 - 4800 Date of survey June - July - Aug. 1941

Vessel Shore Party

Chief of party Ray L. Schoppe

Surveyed by R. Solivan, R. H. Colon and Lt. F. A. Riddell

Inked by C. Castano and F. A. Riddell

Heights in feet above M. H. W. to ground to tops of trees

Contour, Approximate contour, Form line interval 5 feet

Instructions dated May 20, (Radiogram), 1941

Remarks: Special survey made for the Navy Department.

GPO 266853

Alidade No. 110 was used on this sheet.

PROJECT - C. S. # 268

Field Number - Sheet "B" T-6873

This sheet covers a part of Roosevelt Roads Naval Base. It is one of a series of thirteen sheets. It covers the area at the head of Ensenada Honda, P. R. For notes that apply to all the sheets of the series, reference is made to the Descriptive Report for sheet "A" of this project. T-6872

(a) Description of coast.

Ensenada Honda is a well known but undeveloped port on the east end of Puerto Rico, about ten miles south of Fajardo. For many years, almost the only commercial enterprise in this port has been a small boat landing which served as the western terminal of a ferry service to Point Arenas on Vieques Island. The depth at the dock in Ensenada Honda was about two feet at ordinary tide level. Passengers were usually transferred from dock to ferry in a small skiff. The service was rather primitive. The barge repair yard and dry dock is described on Sheet "A." T-6872

Practically all of the grass land within the limit of this sheet, has been planted with sugar cane at some previous time. But due to the present law, it is more profitable to let this land lay idle than it is to plant a crop on it. At present, it is only used for pasturing cattle; except that a small patch of sugar cane was found on the hill at

© ROE. The mangrove swamps are owned by the Insular Government and have been maintained as a source of fuel. Charcoal is made from the wood of these scrubby mangrove bushes.

(b) Landmarks.

There are no landmarks on this sheet. The numerous rounded hills differ from each other, only in height. Otherwise, they are not distinctive. The ferry dock in Lat. $18^{\circ}14'.1$ Long. $65^{\circ}37'.4$ is a flimsy structure and is not prominent.

(c) Control.

All triangulation for 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 the whole of Puerto Rico. On this sheet, topography is controlled by stations ROLONCITO, ROLON, KID, CLARA and NORTH. After topography was finished, stations PIER and CAMP were located for control of building operations. A report on triangulation for this project has been submitted. Vertical control is discussed in the descriptive report of Sheet "A".

T-6872

(d) Traverse.

A few traverses were run between points located by three point fix. Such traverses were short. If closure was greater than three meters, the traverse was re-run. If less, it was adjusted. No detail was taken from traverse points

until final location was selected.

(e) Survey Methods.

Topography on this sheet started with inexperienced personnel at station ROLON. See general notes in the descriptive report of Sheet "A".
T-6872

(f) Form lines.

No offshore verification of form lines was possible. Various aerial photographs, - some vertical and some oblique, were available and form lines were carefully checked with them.

(g) Revision.

No revision work was done but shore line agreed reasonably well with the copies of old topographic sheets.

(h) Incomplete portions.

The highway passes through several small cuts in the hills. The detail of contours in these cuts, is generalized because the scale of the survey is not large enough to permit the inking of detail in these steep sided cuts. The power line is shown as far as construction was completed when the survey was made.

(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

- 4 -

was re-run until the correct elevations were located. No adjustments were then necessary.

(k) Names.

On this sheet, the only named object is Ensenada Honda.

(l) Plane table positions.

There are enough triangulation stations on this sheet to furnish good control for field work. Plane table positions were not marked and will not be recoverable when the poles are gone or when flags in trees become dislodged. They were used mainly to survey mangrove areas and all the mangrove on this sheet will be filled by hydraulic methods.

(m) Photographs.

See notes in the descriptive report of Sheet "A".

(n) Changes in shoreline.

None.

(o) Marshes.

Marsh or mangrove swamp, covers 40% of this sheet. These swamps are mostly owned by the Insular Government and are maintained as a source of fuel. The scrubby mangrove bushes are used for making charcoal. Practically all of the mangrove swamp on this sheet is to be filled by dydraulic methods.

(p) Statistics.

Shoreline

6.9 miles

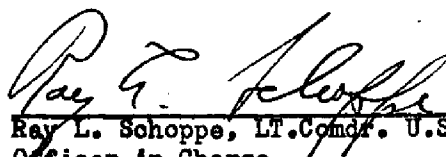
- 5 -

Roads	2.4 miles
Creeks	1.5 miles

(q) Declination.

On this project, an average of eight declinoire observations gives a mean value of $6^{\circ}20'$ west. None shown on this sheet

Respectfully, submitted,



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

Remarks

Decisions

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GEOGRAPHIC NAMES

Survey No. **T6873**

GEOGRAPHIC NAMES											
Survey No. T6873											
Name on Survey		A,	B,	C,	D	E	F	G	H	K	
Ensenada Honda											1
											2
											3
Roosevelt Roads											4
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Names underlined in red approved
by L. Heck on 6/18/42

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOSTAT OF~~

No. ~~Hx~~

No. T **T6873**

received April 20, 1942
registered April 22, 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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RW-

DIVISION OF CHARTS

REVIEW SECTION - SURVEYS BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY No. 6873

Field No. B

Puerto Rico, Roosevelt Roads, Ensenada Honda
Surveyed in June - August, 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 - F. A. Riddell, R. Solivan and R. H. Colon
Inked by - F. A. Riddell and C. Castano
Reviewed by - Harold W. Murray
Inspected by H. R. Edmonston, August 28, 1944

1. Junctions with Adjacent Surveys

The junctions on the west, north and east with 1941 surveys: T-6878, T-6874, T-6876a, T-6875 and T-6872, respectively are excellent.

2. Comparison with Prior Surveys

T-2538 (1901) and T-2539 (1901), scales 1:20,000 and 1:10,000.

These surveys taken together cover most of the area of the present survey. Agreement of mangrove areas is generally good. Excessive differences, however, are noted in shapes and locations of contoured hills and valleys. In particular may be mentioned the two hills (charted) in lat. $18^{\circ} 14.5'$, long. $65^{\circ} 37.6'$ which, as shown on the old surveys, have an axis almost at right angles to that of the present delineations.

Three sand spits or sanded areas (charted) at the head of the bay here from T-2539 may be retained on the chart.

The two generalized rocky areas charted on the northeast side of the bay from T-2539 and H-2533 of 1901 should be retained.

Except for the off-lying details noted above, the larger scale present survey is adequate to supersede the above surveys.

3. Comparison with Chart 922 (Latest print date 3-6-44)
Chart 917 (Latest print date 2-25-44)

Most of the charted information originates with surveys discussed previously in this review except as follows:

- A. A portion of the shoreline and contour detail on the east side of the bay originates with corrections noted in Chart Letter 121 (1938). These should be superseded by the present survey.
- B. The range marking the entrance to the bay, as well as the docks and shoreline changes on the east side of the bay, are subsequent improvements by the U. S. Naval Authorities. (See Bps. 37153 and 37924 of 1943).

4. Condition of Survey

Satisfactory.

5. Compliance with Project Instructions

Satisfactory.

6. Additional Field Work Recommended


This is an excellent basic survey. However, changes already accomplished or which may be made in the future by the U. S. Naval Authorities will supersede portions of the present survey.

7. Superseded Surveys


T-2538 (1901) In part
T-2539 (1901) In part

Examined and approved:


Chief, Surveys Branch


Chief, Section of Hydrography


Chief, Division of Charts


Chief, Division of Coastal
Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. 6873

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.