**Locality**

- **State**: Puerto Rico
- **General locality**: Isla De Vieques
- **Locality**: Disembarcadero Mosquito

**1959-67**

**Chief of Party**

J. Bull, Atlantic Marine Center

**Library & Archives**

**Date**: April 1968
PROJECT NO. (III):
JOB PH-5909

FIELD OFFICE (III):

PHOTOGRAMMETRIC OFFICE (III):
Atlantic Marine Center

CHIEF OF PARTY

OFFICER-IN-CHARGE
J. Bull, Director

INSTRUCTIONS DATED (III) (IV):
12 November 1965

METHOD OF COMPILATION (III):
Wild B-8 and Kelsh

MANUSCRIPT SCALE (III):
1:20,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:6,000 Pantograph to 1:20,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEORGRAPHIC DATUM (III):
Puerto Rico

REFERENCE STATION (III):
BOCA (USGS) 1938

LAT.: 18° 06' 15.905 65° 34' 38.725
LONG.: 69.03 (489.0m) (1138.6m)

PLAN COORDINATES (IV):
v = 99,126.94 ft.
x = 797,218.12 ft.

STATE: PUERTO RICO

ZONE: Zone 1

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE.

WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.
**DESCRIPTIVE REPORT - DATA RECORD**

**T - 12166**

<table>
<thead>
<tr>
<th><strong>FIELD INSPECTION BY (II):</strong></th>
<th>DATE:</th>
</tr>
</thead>
<tbody>
<tr>
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| **MEAN HIGH WATER LOCATION (III) [STATE DATE AND METHOD OF LOCATION]:** |
| Air Photo Compilation         |
| Date of photography: April 20, 1959 and February 21, 1964 |

<table>
<thead>
<tr>
<th><strong>PROJECTION AND GRIDS RULED BY (IV):</strong></th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. E. Roundtree</td>
<td>November 1965</td>
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<th><strong>PROJECTION AND GRIDS CHECKED BY (IV):</strong></th>
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<td>R. S. Kornspan</td>
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<tr>
<th><strong>CONTROL PLOTTED BY (III):</strong></th>
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<tr>
<td>R. E. Smith</td>
<td>January 1966</td>
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<tr>
<th><strong>CONTROL CHECKED BY (III):</strong></th>
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<tr>
<td>B. H. Barnes</td>
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<th><strong>RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):</strong></th>
<th>DATE</th>
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<tr>
<td>Robert B. Kelly (WSC)</td>
<td>No date</td>
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<tr>
<td>and B. H. Barnes</td>
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<td>CONTOURS Inapplicable</td>
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<td>L. L. Graves</td>
<td>February 1966</td>
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<td>R. E. Smith</td>
<td>June 1966</td>
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**REMARKS:**
Field Edit D. R. Rich LTjg, USESSA April 1966
# Descriptive Report - Data Record

**T-12166**

**Camera (Kind or Source) (III):**

S and W cameras

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<tbody>
<tr>
<td>64 W 3499</td>
<td>21 Feb. 1964</td>
<td>10:08</td>
<td>1:30,000</td>
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<tr>
<td>64 W 3500</td>
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<tr>
<td>64 W 3501</td>
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<td>10:09</td>
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<td>64 W 3502</td>
<td></td>
<td>10:10</td>
<td></td>
<td></td>
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<tr>
<td>59 S 3963</td>
<td>20 April 1959</td>
<td>09:04</td>
<td>1:30,000</td>
<td>0.2</td>
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<tr>
<td>59 S 3964</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>59 S 3965</td>
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<tr>
<td>59 S 3966</td>
<td></td>
<td>09:05</td>
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**Tide (III):** Predicted

<table>
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<tr>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
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<tr>
<td>.73</td>
<td>.8</td>
<td>1.0</td>
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**Reference Station:**

GALVESTON, TEXAS  SAN JUAN, PUERTO RICO

**Subordinate Station:**

BANDA DE MULAS, ISLA DE VIEQUES

Puerto Ferro, Isla de Vieques

Atlantic Marine Center

**Proof Edit by (IV):**

M. M. Scovney

Office Review by (IV):

**Date:**

Jan. 1967

**Number of Triangulation Stations Searched For (II):**

Recovered: 2

Identified: 2

**Number of BMIS) Searched For (III):**

None

**Number of Recoverable Photo Stations Established (III):**

None

**Number of Temporary Photo Hydro Stations Established (III):**

None

**Remarks:**

None
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<th>COMPIIATION RECORD</th>
<th>COMPLETION DATE</th>
<th>REMARKS</th>
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<tbody>
<tr>
<td>Alongshore area for hydro</td>
<td>February 1966</td>
<td>Superseded</td>
</tr>
<tr>
<td>Field Edit applied</td>
<td>June 1966</td>
<td>Superseded</td>
</tr>
<tr>
<td>Manuscript complete</td>
<td></td>
<td></td>
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<tr>
<td>Final Review complete</td>
<td></td>
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<tr>
<td>Revisions</td>
<td>JAN., 1967</td>
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</table>
PROJECT 21023  
(PH 5909)  
Shoreline Mapping  
1:5000, 1:10,000,  
& 1:20,000 Scale  
Culebra, Vieques and  
adjacent islands
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12166

Shoreline manuscript T-12166 is one of three 1:20,000 scale manuscripts of the Vieques Island part of Ph-5909, which also contains 8 maps of Culebra Island and adjoining islands. The sketch on page 5 of this report shows the position of this manuscript in this part of the project.

This is a stereo-instrument project in advance of hydrographic surveys of the area. Two strips of 1:30,000 scale panchromatic photographs the southern one taken in 1959 with "S" camera, and the northern flight taken in 1964 with the "W" camera. 1962 color photographs at 1:10,000 scale provided added information along the shoreline.

The stereo-bridge was run and adjusted to field identified control in the Washington Office. Compilation was done with the Kelsh Plotter. Ratio prints, at 1:20,000 scale were processed, and provided for photo-hydro support.

Field work preceding compilation consisted of control identification only. The manuscript was field edited in conjunction with photo-hydro support.

The compilation manuscript was a vinylite sheet 7 minutes, 30 second in latitude, and 7 minutes 30 seconds in longitude. The smooth manuscript is on cronaflex for registry and record after final review.
FIELD INSPECTION REPORT

There was no field inspection prior to compilation.
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>LATITUDE OR $\gamma$-COORDINATE</th>
<th>LONGITUDE OR $x$-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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</thead>
<tbody>
<tr>
<td>BOCA (USGS) 1938-41</td>
<td>G.P. P. 178</td>
<td>18° 06' 15.395</td>
<td>66° 34' 38.725</td>
<td>188.97 (1355.61)</td>
<td></td>
<td></td>
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<tr>
<td>EL BUEY (USGS) 1938-41</td>
<td>II</td>
<td>18° 06' 30.342</td>
<td>66° 32' 29.696</td>
<td>932.80 (911.78)</td>
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<tr>
<td>MALDONADA (USGS) 1938-41</td>
<td>G.P. P. 177</td>
<td>18° 07' 04.206</td>
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<td>150.8 (1693.8)</td>
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<td></td>
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<tr>
<td>TIO (USGS) 1938-41</td>
<td>G.P. P. 177</td>
<td>18° 05' 24.759</td>
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<td>1538.1 (226.2)</td>
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<tr>
<td>RESOLUCION (USGS) 1938-41</td>
<td>G.P. P. 178</td>
<td>18° 06' 57.323</td>
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<td>1762.3 (82.3)</td>
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<tr>
<td>PUNTA ARENAS No. 12 (USGS) 1938-41</td>
<td>G.P. P. 179</td>
<td>18° 07' 11.052</td>
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<td>339.8 (1504.8)</td>
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<td>PUNTA ARENAS No. 11 (USGS) 1938-41</td>
<td>G.P. P. 179</td>
<td>18° 07' 04.26</td>
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<td>1486.0 (277.9)</td>
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<td>PUNTA ARENAS No. 2 (USGS) 1938-41</td>
<td>G.P. P. 180</td>
<td>18° 06' 10.134</td>
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<td>311.5 (1533.1)</td>
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<td>PUNTA ARENAS No. 1 (USGS) 1938-41</td>
<td>G.P. P. 180</td>
<td>18° 05' 40.30</td>
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<td>1238.9 (605.7)</td>
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<td>MT. PIRATA 2 1941</td>
<td>G.P. P. 38</td>
<td>18° 05' 42.125</td>
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<td>1304.3 (540.3)</td>
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<td></td>
</tr>
</tbody>
</table>
Aerotriangulation Report
Island of Vieques
Puerto Rico
PH-5909

21. **Area Covered**

This report covers T sheets 12166, 12167 and 12168 on the Island of Vieques.

22. **Method**

Two horizontal east-west bridges were run to provide control for compilation. Strip #1 was bridged on the C-5 and Strip #2 was bridged on the C-8. Points were drilled in the diapositives with the PUG to provide the passpoints for bridging. The adjustment on the IBM 1620 utilized eight control stations for Strip #1 and three stations for Strip #2.

23. **Adequacy of Control**

Horizontal control accuracy meets the standards for delineating T sheets at 20,000.

Identification of control on this project was very difficult due to the nature of the terrain. The first attempt at recovery resulted in totally inadequate identification. The second attempt resulted in good identification on some of the points; however, other substations were almost impossible to locate. This problem was further complicated by the difference in the time of photography between the two strips (Strip #1 was flown in 1964, while Strip #2 was flown in 1959).

The following stations and substations could not be held within National Map Accuracy Standards.

<table>
<thead>
<tr>
<th>Strip #1</th>
<th>Strip #2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boca, 1941, SSB</td>
<td>Boca, 1941, SSA</td>
</tr>
<tr>
<td>Perez, 1941, SSA</td>
<td>Point Negro, 1941, SS</td>
</tr>
<tr>
<td>Compana, 1941, SSB</td>
<td>Point Ferro, LH 2, 1941</td>
</tr>
<tr>
<td>Fossil Cliff, 1900, SSA</td>
<td>Ensenada, 1941, SSA &amp; B</td>
</tr>
<tr>
<td>Ensenada, 1941, SSA &amp; B</td>
<td>Port Diablo, 1941, SSA &amp; B</td>
</tr>
<tr>
<td></td>
<td>Matias, 1941, SSA</td>
</tr>
<tr>
<td></td>
<td>East End, 1900</td>
</tr>
</tbody>
</table>
Most of the stations were not being held due to the inability to transfer the identification from 1964 photography to the 1959 photography and vice versa. The exceptions to the above are: Ensenada, 1941, SSA & B, which could not be held within fifty feet on either strip. No reason could be determined for this error. In the case of Point Ferro, LH 2, 1941, (a good identification) the point was allowed to drift out to enable the tie points between the two strips to be pulled closer together.

The final adjustments of two strips are the best results that could be obtained with the control available and will meet the requirements for 1:20,000 scale mapping.

Common points were hit between Strips #1 and #2 to augment datum tie. All tie points were averaged between the two strips.

24. Supplemental Data

USGS Quad, Island of Vieques, was used to provide vertical control for bridging.

25. Photography

Photography was adequate as to coverage, overlap and definition.

Submitted by:

[Signature]

Robert E. Kelly

Approved by:

[Signature]

John D. Ferrow, Jr.
AEROTRIANGULATION SKETCH
ISLAND OF VIEQUES
Project 21023 (Ph-5909)

LEGEND
△ Used in the adjustment
△ Used as check
COMPILATION REPORT
T-12166

Aerotriangulation Report is submitted with this report.

31. Delineation

The Kelsh and Wild B-8 plotters were used. There was no field inspection. Photography was satisfactory.

32. Control

See Aerotriangulation Report.

33. Supplemental Data

None.

34. Contours and Drainage

Inapplicable.

35. Shoreline and Alongshore Details

There was no shoreline inspection. Shoreline and alongshore details were compiled by office interpretation of the photography. No low waterline was shown.

36. Offshore Details

See Item 49.

37. Landmarks and Aids

None.

38. Control for Future Surveys

None.

39. Junctiions

A satisfactory junction was made with T-12167 to the east. The Caribbean Sea is to the south and west, and the Pasaje De Vieques is to the north.

40. Horizontal and Vertical Accuracy

No statement.

46. Comparison with Existing Maps

A comparison was made with U.S.G.S. Quadrangles, Island of Vieques, Puerto Rico; scale 1:50,000 and Topographic Map of the Island of Vieques,
47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Chart 940, PASAJE DE VIEQUES and RADAS ROOSEVELT, scale 1:25,000 and Chart 904, VIRGIN PASSAGE and SONDA DE VIEQUES, scale 1:100,000.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

L. L. Graves
Cartographic Technician

Approved and Forwarded:

J. Bull, CAPT, USESSA
Director, Atlantic Marine Center
48. GEOGRAPHIC NAME LIST

CARIBBEAN SEA
DESEMBARCADERO MOSQUITO
ESCOLLO DE ARENAS
ISLA DE VIEQUES
LAGUNA ARENAS
LAGUNA EL POBRE
LAGUNA KIANI
LAGUNA PLAYA GRANDE
MOSQUITO AIRFIELD
PASAJE RADAS ROOSEVELT
PASAJE DE VIEQUES
PTA BERMIDES *
FUNTA ARENAS
FUNTA BOCA QUEBRADA
FUNTA CABALIO
FUNTA VACA
RADAS ROOSEVELT

* From Chart No. 940
GEOGRAPHIC NAMES

FINAL NAMES LIST

PH-5909
T-12166

Caribbean Sea

* Cerro El Buey
  Desembarcadero Mosquito
  Escollo de Arenas

* Hacienda Arcadia
  Isla de Vieques
  Laguna Arenas
  Laguna El Pobre
  Laguna Kiani
  Laguna Playa Grande

* Monte Pirata
  Mosquito Airfield
  Pasaje de Vieques
  Pasaje Radas Roosevelt

* Playa Grande (Village)
  Punta Arenas
  Punta Bermudes *Not on Name Quad., is on Chart 940, name used*
  Punta Boca Quebrada
  Punta Caballo
Punta Vaca
Radas Roosevelt

* Resolucion Not on Name Quad., is on Chart 940

Approved by:
A. J. Wraight
Chief Geographer

Prepared by:
Frank Pickett
Cartographic Technician

* Feature not delineated, name not used
49. **NOTES FOR THE HYDROGRAPHER**

Features believed to be of landmark value have been shown, however their navigational value should be verified.

Rocks, shoals and other offshore features have been shown from office interpretation and should be verified.

Due to the time and date difference in photography, many shoreline points which appear on the 1964 photographs do not appear on the 1959 photos and vice-versa.
<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
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<tr>
<td>1. PROJECTION AND GRIDS</td>
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<td>3. MANUSCRIPT NUMBERS</td>
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<tr>
<td>CONTROL STATIONS</td>
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<tr>
<td>5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY</td>
<td>6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)</td>
<td>7. PHOTO HYDRO STATIONS</td>
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<td>8. BENCH MARKS</td>
<td>9. PLOTTING OF SEXTANTFixes</td>
<td>10. PHOTOGRAMMETRIC PLOT REPORT</td>
<td>11. DETAIL POINTS</td>
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<td>XX</td>
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<td>Bridge (WSC)</td>
<td>Kelsh</td>
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<td>ALONGSHORE AREAS (Nautical Chart Data)</td>
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<td>12. SHORELINE</td>
<td>13. LOW-WATER LINE</td>
<td>14. ROCKS, SHOALS, ETC.</td>
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<td>16. AIDS TO NAVIGATION</td>
<td>17. LANDMARKS</td>
<td>18. OTHER ALONGSHORE PHYSICAL FEATURES</td>
<td>19. OTHER ALONGSHORE CULTURAL FEATURES</td>
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<td>21. NATURAL GROUND COVER</td>
<td>22. PLANETABLE CONTOURS</td>
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<td>RES</td>
<td>RES</td>
<td>XX</td>
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</tr>
<tr>
<td>23. STEREOSCOPIC INSTRUMENT CONTOURS</td>
<td>24. CONTOURS IN GENERAL</td>
<td>25. SPOT ELEVATIONS</td>
<td>26. OTHER PHYSICAL FEATURES</td>
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<td>XX</td>
<td>RES</td>
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<tr>
<td>CULTURAL FEATURES</td>
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<td>28. BUILDINGS</td>
<td>29. RAILROADS</td>
<td>30. OTHER CULTURAL FEATURES</td>
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<tr>
<td>BOUNDARIES</td>
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<td>32. PUBLIC LAND LINES</td>
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<td>33. GEOGRAPHIC NAMES</td>
<td>34. JUNCTIONS</td>
<td>35. LEGIBILITY OF THE MANUSCRIPT</td>
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<td>36. DISCREPANCY OVERLAY</td>
<td>37. DESCRIPTIVE REPORT</td>
<td>38. FIELD INSPECTION PHOTOGRAPHS</td>
<td>39. FORMS</td>
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<td>SUPERVISOR, REVIEW SECTION OR UNIT</td>
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<td>41. REMARKS (See attached sheet)</td>
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<td>42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.</td>
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<td>43. REMARKS</td>
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### TIDE COMPUTATION

**PROJECT NO. Ph-5709 T-121**

**Time and date of exposure:** 09 02 3/1864

**Reference station:** San Juan, Puerto Rico

**Mean range:** 0.8

**Date of field inspection:**

**Subordinate station:** Bahia de Mulas, Island of Vieques

**Ratio of ranges:** 1.73

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<th>Interval</th>
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<th>Tabular correction</th>
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<td>Feature above MLW</td>
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Computed by LLG

Checked by
FIELD EDIT REPORT

Vieques Island
Puerto Rico
April 1966

USC&GS SHIP WHITING

LCDR JAMES P. RANDALL, USESSA, COMMANDING

51: METHODS

For the most part the entire shoreline of Vieques Island was inspected from shore. Coral reefs along most of the shoreline inhibited the use of boat or skiff. Field edit was not finished in a few small areas due to the inaccessibility by boat or land.

All corrections, deletions and additions have been noted and cross referenced on the appropriate photographs and discrepancy prints. Elevations of rocks were determined by use of a hand level.

All field edit information has been shown on the following sheets and photographs.

SHEETS: T-12166, T-12167, T-12168
PHOTOS: 59S3964-3965, 59S3967
64W3489-3490, 64W3493, 64W3502

52: ADEQUACY OF COMPILATION

Compilation is, with the following corrections, considered complete and adequate.
T-12166

Deletions:
1. Row of stakes or piles.............. 18°07'06"N, 65°34'36"W
2. Trails................................... 18°05'48"N, 65°30'12"
3. Tanks as landmarks.................... 18°07'03"N, 65°34'33"

Additions: NONE
Corrections: NONE

T-12167

Deletions:
1. Rk awash symbol...................... 18°09'48"N, 65°23'15"W
2. " " " ................................ 18°09'46"N, 65°23'02"
3. " " " ................................ 18°05'49"N, 65°26'27"
4. " " " ................................ 18°05'54"N, 65°28'53"
5. Light.................................... 18°05'27"N, 65°26'45"

Additions:
1. Row of piling.......................... 18°08'15"N, 65°29'50"W
2. Rk awash symbol........................ 18°09'43"N, 65°22'55"
3. " " " ................................ 18°05'49"N, 65°28'48"

Corrections: NONE
Deletions:
1. Trails................................. 18°05'50" N
   65°30'20" W

Additions:
1. Rk awash symbol..................... 18°07'55" N
   65°17'23" W
2. "   "   " .......................... 18°07'54" N
   65°17'36"

Corrections: NONE

53: MAP ACCURACY

   No accuracy tests were made except by the hydrographer. In all cases the plot appeared well within hydrographic needs.

54: RECOMMENDATIONS

   No recommendations are offered. The office interpretation of photo images was good.

55: EXAMINATION OF PROOF COPY

   No residents of Vieques Island examined the discrepancy prints for any possible errors.

56: SHORELINE

   All shoreline was adequate as shown.
APPROVAL SHEET

Submitted by:
Donald R. Rich
LTjg, USESSA

Approved:
James P. Randall, LCDR, USESSA
Commanding USCGC Ship WHITING
FIELD EDIT REPORT
VIEQUES PASSAGE, PUERTO RICO
MAY 1967

USCGS SHIP WHITING
LCDR Sidney C. Miller, USESSA, Commanding

51. METHODS:
For the most part the Northwest, West, and Southwest shoreline of Vieques Island was inspected from a skiff. Certain features were measured from shore.

All corrections, deletions, and additions have been noted on the discrepancy print and cross referenced on an appropriate photograph where possible.

All field edit information has been shown on the following sheets and photographs:

Sheet: T-12166
Photos: 21Feb64 W3502 & 20Apr59 S3965

52. ADEQUACY OF COMPILATION:
Compilation is, with the following corrections, considered complete and adequate:

T-12166

Deletions:
1. Broken line beginning at...........18°07'04" 65°34'33"
2. Broken line beginning at \[18^\circ 06'59''\]
\[65^\circ 34'34''\]

3. Jetty ruins beginning at \[18^\circ 06'52''\]
\[65^\circ 34'34''\]

4. Rock awash \[18^\circ 05'06''\]
\[65^\circ 33'15''\]

Additions: None

Corrections:

1. Pilings beginning at \[18^\circ 07'56''\], \[65^\circ 30'54''\] are at right angle to shore rather than skewed as shown on T-12166.

2. Jetty at \[18^\circ 06'52''\], \[65^\circ 34'34''\] is shown correctly on T-12166 and incorrectly on Chart 940. The jetty is 148 feet long from its offshore end to the High Water mark on the north side.

Verifications:

1. Navy pier beginning at \[18^\circ 09'02''\], \[65^\circ 30'51''\] and shown on Chart 940 extends 755 feet from centerline of rock causeway.

2. Several points of coral awash in area of \[18^\circ 05'53''\]
\[65^\circ 34'23''\], offshore point approximately 100 meters from shore.

3. Measured nautical mile markers on southwest Coast of Vieques appear to be as shown on Chart 940.

4. Submerged rocks at \[18^\circ 04'52''\]; \[65^\circ 32'31''\] and \[18^\circ 04'52''\]; \[65^\circ 32'00''\] are as shown on Chart 940.

5. Rock awash at \[18^\circ 05'34''\]; \[65^\circ 30'24''\] as shown on Chart 940 projects 6 inches between seas at 1000 LMT, 3 May 1967.

54. RECOMMENDATIONS:

No recommendations are offered. The office interpretation of photo images was good.

information for mapping subject rocks was not furnished...
Information concerning the jetty is also included on Field Edit Sheet 1 of 2 (April 1966) and Field Edit Sheet 2 of 2 (May 1967). The jetty as charted on Nautical Chart 940 was found to be in error by both field editors; however, the field information is contradictory concerning the offshore extent of the feature.

For the greater part of its length the jetty forms (for mapping purposes) the north shore of a small point of land. The existence of that portion of the feature extending approximately 50 ft. offshore is uncertain.

Additional Note:

Correction:

Illegible beginning of 180° 16' 5.90 2.90.474° (or 2.904°?)

The S. end of 180° 16' 5.90 2.90.474° is shown correctly on Chart 940.
The T. 15 feet is shown instead of T. 50 feet. If Chart 940 is used, these dimensions must be corrected.

Verification:

I. Where the beginning of 180° 16' 5.90 2.90.474°

2. Several points on Chart 940 are 100' apart.

3. Measurement on Chart 940 is approximately 100' less.

4. Inadequate water mark on chart 940.

5. Correct rocks at 180° 16' 5.90 2.90.474°

RECOMMENDATIONS:

No recommendation is offered. The office feels that the topography of the area being examined was good.
APPROVAL SHEET

Submitted by:
David McCall
Ensign, USESSA

Approved:
LCDR Sidney C. Miller, USESSA
Commanding, USC&GS Ship WHITING

DM/jrb
61. GENERAL STATEMENT:

See Summary accompanying Descriptive Report (page 6).

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Reg. No. 2528; 1:20,000; 1901 (datum corrected to Puerto Rican datum)
Reg. No. 2587; 1:10,000; 1902; Puerto Rican Datum
Reg. No. 2801; 1:20,000; 1906; Puerto Rican Datum
Reg. No. 4725; 1:10,000; 1927; Puerto Rican Datum

The Comparison Print shows the areas covered by these registered surveys on this map. *Filed in tube with map*.

The quay at Desembarcadero Mosquito is new since the 1902 survey. There are some minor shoreline changes; the exposed area of Punta Arense probably changes constantly.

Registered Surveys 2801 and 4725 show numerous sunken rocks along the south shore of the Island that could not be seen on the photographs, and were not noted by the field editor. Coral reefs visible on the color photographs enclose many of these sunken rocks, and these reefs are shown on the manuscript.

Color photographs used are 62-S-571 thru 574, 62-S-632 thru 636, 62-S-576 thru 582, 62-S-611 thru 615; 62-S-9977 thru 9989. The flight lines are shown on the comparison print in brown.

The registered surveys showed no details interior from the shoreline.

T-12166 supersedes these registered topographic surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Island of Vieques; 1:30,000; U.S.G.S.; 1943, revised 1949.

Agreement is quite good. There is a difference in the position of the quay of Desembarcadero Mosquito; the quadrangle shows the quay about 20 meters east of its position on T-12166.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

None, excepting the small (350 meter) overlap of Boat Sheet WH-20-1-66A, which is for Pasaje Radas Roosevelt east of T-12166.
65. COMPARISON WITH NAUTICAL CHARTS:


The Comparison Prints reveal these differences:

1- The chart shows a shore row of pilings at latitude 18° 07' 93", longitude 65° 30' 9", and a ledge in this area. Positive identification is not possible from the photographs, color or black and white, and the "piling", as noted on Discrepancy Print #2 of 2, is "at right angle to the shoreline", and not almost parallel to the shoreline as shown on the Chart.

2- The jetty ruins at latitude 18° 06' 85", longitude 65° 34' 6" extend about 100 meters further west on the chart than on this survey.

The 1967 Hydrographic Party on the Ship WHITING was asked to check differences #1 and #2. T-12166 is delineated to conform to their notes on Field Edit Discrepancy Print #2 and Item 52 of their Field Edit Report for May 1967, see page 184 of this report.

3- Several small ledges, and numerous sunken rocks are shown along the west and south coast on the chart, that could not be identified on the photographs, and were not noted by the field editor.

4- There are minor shoreline changes, the one at Punta Arenas is the largest. It is noted that Discrepancy Print #2 of 2 indicates that the shoreline at Punta Arenas changes frequently.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

No accuracy tests were run in the field. The map meets the National Standards of Map Accuracy and Bureau requirements.

Approved by:  
Director, Atlantic Marine Center  

Reviewed by:  
M. M. Slavney

Approved by:  
Chief, Cartographic Branch

Chief, Photogrammetry Division  
12-07-67

Chief, Chart Division  
Chief, Operations Division
NOTES TO VERIFIER
T-12166 Project 21023 (Ph-5909)
BOAT SHEET NO. Projected

Please note Item 65 of the Descriptive Report for T-12166, Field
Edit Print #2 of 2, and the Comparison Print for discrepancies
between the T-12166 and the July 1966 edition of Chart 940.

64. ADDENDUM

Reefs were compiled from office interpreted
color photography to assist the hydrographer.
Outer limit lines visible on the photography
were compiled. In some cases the lines will
define the outer limits of sunken reef rather
than the 4LKW line.

D.G. Blankenber
8/26/68
**INSTRUCTIONS**

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

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