### DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>T-13368</td>
<td>1</td>
</tr>
</tbody>
</table>

**Job No.**
- PH-6904

**Map Classification**
- Field Edited Map

**Type of Survey**
- Shoreline

### LOCALITY

**State**
- Puerto Rico

**General Locality**
- South Coast

**Locality**
- Cayo Puerco

**DATE**

1970 TO 1975

---

# Descriptive Report - Data Record

**Photogrammetric Office**  
Coastal Mapping Division  
Norfolk, Va.  

**Officer-in-Charge**  
Jeffrey G. Carlen, Cdr.

## 1. Instructions Dated

<table>
<thead>
<tr>
<th>Office</th>
<th>Field</th>
</tr>
</thead>
</table>
| Compilation, October 16, 1970 | April 7, 1969  
January 23, 1970  
January 31, 1972  
November 16, 1972 |

## II. Datums

<table>
<thead>
<tr>
<th>Horizontal</th>
<th>Vertical</th>
<th>Other (Specify)</th>
</tr>
</thead>
</table>
| Ø 1927 North American | 1. Mean High Water  
2. Mean Low Water  
3. Mean Lower Low Water  
4. Mean Sea Level | Puerto Rico |

## 3. Map Projection
Polyconic

## 4. Grid(s)

<table>
<thead>
<tr>
<th>State</th>
<th>Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Puerto Rico</td>
<td>1</td>
</tr>
</tbody>
</table>

## 5. Scale
1:5,000

## III. History of Office Operations

<table>
<thead>
<tr>
<th>Operations</th>
<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Aerotriangulation by Analytic Landmarks and Aids</td>
<td>R. Kelly</td>
<td>Sept 1970</td>
</tr>
<tr>
<td>2. Control and Bridge Points by Coromat Plotted by Checked by</td>
<td>F. Dempsey</td>
<td>Oct 1970</td>
</tr>
<tr>
<td>3. Stereoscopic Instrument Compilation by Planimetry by Checked by Contours by Checked by</td>
<td>R. White</td>
<td>Dec 1970</td>
</tr>
<tr>
<td></td>
<td>L. Neterer</td>
<td>Dec 1970</td>
</tr>
<tr>
<td></td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>4. Manuscript Delineation by Planimetry by Checked by Contours by Checked by</td>
<td>B. Barnes</td>
<td>Jan 1971</td>
</tr>
<tr>
<td></td>
<td>B. Wilson</td>
<td>Feb 1971</td>
</tr>
<tr>
<td></td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>5. Office Inspection prior to Field Edit by</td>
<td>B. Barnes</td>
<td>Jan 1971</td>
</tr>
<tr>
<td></td>
<td>B. Wilson</td>
<td>Feb 1971</td>
</tr>
<tr>
<td>6. Application of Field Edit Data by Checked by</td>
<td>J. Roderick</td>
<td>Feb 1976</td>
</tr>
<tr>
<td></td>
<td>C. Blood</td>
<td>Feb 1976</td>
</tr>
<tr>
<td>7. Compilation Section Review by Checked by</td>
<td>C. Blood</td>
<td>Feb 1976</td>
</tr>
<tr>
<td></td>
<td>A. L. Shands</td>
<td>Dec 1977</td>
</tr>
<tr>
<td>9. Data Forwarded to Photogrammetric Branch by Checked by</td>
<td>J. B. Phillips</td>
<td>Jan 1978</td>
</tr>
<tr>
<td>10. Data Examined in Photogrammetric Branch by</td>
<td>C. T. Coby</td>
<td>May 1978</td>
</tr>
</tbody>
</table>

* U.S. G.P.O. 1972-769382/582 REG. #6
1. Compilation Photography

Camera(s): Wild BC 8 "E".

Tide Stage Reference
- √ Predicted Tides
- [ ] Reference Station Records
- [ ] Tide Controlled Photography

Types of Photography
- (i) Color
- (P) Panchromatic
- (II) Infrared

Time Reference
- Zone: Atlantic
- Meridian: 60th
- Standard: [ ] Daylight

<table>
<thead>
<tr>
<th>Number and Type</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>70E(C) 6411 &amp; 6412</td>
<td>3/7/70</td>
<td>12:03</td>
<td>1:15,000</td>
<td>0.9 ft. above MLW</td>
</tr>
<tr>
<td>70E(C) 6246 and 6247</td>
<td>3/7/70</td>
<td>09:47</td>
<td>1:15,000</td>
<td>0.8 ft. above MLW</td>
</tr>
</tbody>
</table>

Remarks:

2. Source of Mean High-Water Line:

The MHWL was compiled from the above listed photographs.

3. Source of Mean Low-Water or Mean Lower Low-Water Line:

None compiled.

4. Contemporary Hydrographic Surveys (List only those surveys that are sources for photogrammetric survey information.)

<table>
<thead>
<tr>
<th>Survey Number</th>
<th>Date(s)</th>
<th>Survey Copy Used</th>
<th>Survey Number</th>
<th>Date(s)</th>
<th>Survey Copy Used</th>
</tr>
</thead>
</table>

5. Final Junctions

<table>
<thead>
<tr>
<th>North</th>
<th>East</th>
<th>South</th>
<th>West - 13369 (1:5,000)</th>
<th>T-13367</th>
<th>T-13366</th>
<th>No survey</th>
<th>T-13370 (1:10,000)</th>
</tr>
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</table>

Remarks:
## HISTORY OF FIELD OPERATIONS

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>NAME</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHIEF OF FIELD PARTY</td>
<td>J. Wilson</td>
<td>Feb 1970</td>
</tr>
</tbody>
</table>

1. **FIELD INSPECTION OPERATION**

<table>
<thead>
<tr>
<th>RECOVERED BY</th>
<th>ESTABLISHED BY</th>
<th>PRE-MARKED OR IDENTIFIED BY</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

2. **HORIZONTAL CONTROL**

<table>
<thead>
<tr>
<th>RECOVERED BY</th>
<th>ESTABLISHED BY</th>
<th>PRE-MARKED OR IDENTIFIED BY</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

3. **VERTICAL CONTROL**

<table>
<thead>
<tr>
<th>RECOVERED (Triangulation Stations) BY</th>
<th>LOCATED (Field Method) BY</th>
<th>IDENTIFIED BY</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>None</td>
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</tbody>
</table>

4. **LANDMARKS AND AIDS TO NAVIGATION**

<table>
<thead>
<tr>
<th>TYPE OF INVESTIGATION</th>
<th>COMPLETED BY</th>
<th>SPECIFIC NAMES ONLY</th>
<th>NO INVESTIGATION</th>
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</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>No investigation</td>
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5. **GEOGRAPHIC NAMES INVESTIGATION**

<table>
<thead>
<tr>
<th>PHOTO INSPECTION</th>
<th>CLARIFICATION OF DETAILS BY</th>
<th>SURVEYED OR IDENTIFIED BY</th>
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<tr>
<td>None</td>
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6. **BOUNDARIES AND LIMITS**

### II. SOURCE DATA

1. **HORIZONTAL CONTROL IDENTIFIED**

<table>
<thead>
<tr>
<th>PHOTO NUMBER</th>
<th>STATION NAME</th>
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2. **VERTICAL CONTROL IDENTIFIED**

<table>
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<th>PHOTO NUMBER</th>
<th>STATION DESIGNATION</th>
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### III. PHOTO NUMBERS (Clarification of details)

<table>
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<th>OBJECT NAME</th>
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### IV. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

<table>
<thead>
<tr>
<th>PHOTO NUMBER</th>
<th>OBJECT NAME</th>
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<tbody>
<tr>
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</tbody>
</table>

### V. GEOGRAPHIC NAMES: REPORT | NONE

### VI. BOUNDARY AND LIMITS: REPORT | NONE

#### VII. SUPPLEMENTAL MAPS AND PLANS

<table>
<thead>
<tr>
<th>SUPPLEMENTAL MAPS AND PLANS</th>
<th>REPORT</th>
<th>NONE</th>
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<tbody>
<tr>
<td>None</td>
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### VIII. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

<table>
<thead>
<tr>
<th>OTHER FIELD RECORDS</th>
<th>REPORT</th>
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*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 767-076*
## History of Field Operations

### Field Edit Operation

<table>
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<tr>
<th>OPERATION</th>
<th>NAME</th>
<th>DATE</th>
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<tr>
<td>Chief of Field Party</td>
<td>R. Buffington</td>
<td>Aug 1975</td>
</tr>
<tr>
<td>Horizontal Control</td>
<td>R. Buffington</td>
<td></td>
</tr>
<tr>
<td>Vertical Control</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Recovered (Triangulation Stations)</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Geodetic Names Investigation</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Photo Inspection</td>
<td>None</td>
<td></td>
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<tr>
<td>Boundaries and Limits</td>
<td>NA</td>
<td></td>
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</tbody>
</table>

### Source Data

<table>
<thead>
<tr>
<th>1. Horizontal Control Identified</th>
<th>2. Vertical Control Identified</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>NA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PHOTO NUMBER</th>
<th>STATION NAME</th>
<th>PHOTO NUMBER</th>
<th>STATION DESIGNATION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

3. Photo Numbers (Clarification of details)

None

4. Landmarks and Aids to Navigation Identified

None

<table>
<thead>
<tr>
<th>PHOTO NUMBER</th>
<th>OBJECT NAME</th>
<th>PHOTO NUMBER</th>
<th>OBJECT NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

5. Geodetic Names:

Report: None

6. Boundary and Limits:

Report: None

7. Supplemental Maps and Plans

None

8. Other Field Records (Sketchbooks, etc. Do Not List Data Submitted to the Geodetic Division)

1. Field Edit Report
2. Field Edit Ozalid
3. Paper Ozalids with Field Notes
I. MANUSCRIPT COPIES

<table>
<thead>
<tr>
<th>Compilation Stages</th>
<th>Date</th>
<th>Remarks</th>
<th>Marine Charts</th>
<th>Hydro Support</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compilation complete, pending field edit</td>
<td>Jan 1971</td>
<td>Class III manuscript</td>
<td>2/10/71</td>
<td>1/2/75</td>
</tr>
<tr>
<td>Field edit applied. Compilation complete.</td>
<td>Feb 1976</td>
<td>Class I manuscript</td>
<td>9/22/76</td>
<td></td>
</tr>
<tr>
<td>Final Review</td>
<td>Dec 1977</td>
<td>Final</td>
<td></td>
<td>12/30/77</td>
</tr>
</tbody>
</table>

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

<table>
<thead>
<tr>
<th>Number</th>
<th>Chart Letter</th>
<th>Date Forwarded</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>2</td>
<td></td>
<td>9/28/76</td>
<td>Landmarks for charts. To be deleted Jan 1978</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>9/28/76</td>
<td>Aid to be deleted</td>
</tr>
</tbody>
</table>

2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. Date Forwarded: Sept. 28, 1976

3. REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. Date Forwarded: 

III. FEDERAL RECORDS CENTER DATA

1. BRIDGING PHOTOGRAPHS; DUPLICATE BRIDGING REPORT; COMPUTER READOUTS.
2. CONTROL STATION IDENTIFICATION CARDS; FORM NO. 76-36G SUBMITTED BY FIELD PARTIES.
3. SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.

ACCOUNT FOR EXCEPTIONS:

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

- Second Edition
  - Survey Number: TP - __________ (2)
  - Date of Photography: __________
  - Job Number: PH - __________
  - Type of Survey: □ Revised □ Resurvey
  - Map Class: □ II. □ III. □ IV. □ V. □ Final

- Third Edition
  - Survey Number: TP - __________ (3)
  - Date of Photography: __________
  - Job Number: PH - __________
  - Type of Survey: □ Revised □ Resurvey
  - Map Class: □ II. □ III. □ IV. □ V. □ Final

- Fourth Edition
  - Survey Number: TP - __________ (4)
  - Date of Photography: __________
  - Job Number: PH - __________
  - Type of Survey: □ Revised □ Resurvey
  - Map Class: □ II. □ III. □ IV. □ V. □ Final
JOB PH-6904
SOUTH COAST, PUERTO RICO
Shoreline Mapping
Scale: 1:10,000
1:5,000

OFFICIAL MILEAGE
FOR COST ACCOUNTS

<table>
<thead>
<tr>
<th>Sheet no.</th>
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<td>12144</td>
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<td>13358</td>
<td>3</td>
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<td>13359</td>
<td>3</td>
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<td>13360</td>
<td>2</td>
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<td>13361</td>
<td>2</td>
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<td>4</td>
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<tr>
<td>13373</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL: 65 cr.
SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS T-13363 THRU T-13371

The maps included in this summary are all standard shoreline maps which serve to provide current shoreline and alongshore features in support of contemporary hydrographic operations and for nautical chart construction. They cover the south coast of Puerto Rico from Punta Barrancas westward to Punta Aquila and includes all offshore islands.

Photographs of the area were flown in March, 1970. Coverage was adequate.

Field operations prior to compilation was limited to the recovery and identification of horizontal control for use in the bridging. No clarification of details was made at that time.

All maps were compiled at the Atlantic Marine Center using the Wild B-8 stereoplotter. Field edit was performed during the winter and summer of 1975. It was applied to the maps at the Atlantic Marine Center.

Final review was performed at the Atlantic Marine Center in November and December, 1977. All pertinent data was forwarded to the Washington Science Center for reproduction and final registration.
FIELD INSPECTION
T-13368

There was no field inspection prior to compilation.
Aerotriangulation Report  
PH-6904  
South Coast of Puerto Rico  
September 1970

21. Area Covered

This report covers the Southern Coast of Puerto Rico, consisting of (9) 1:10,000 scale T-sheets, 12151, 12161, 13358, 13359, 13363, 13370 thru 13373 and (11) 1:5,000 scale T-sheets, 12143, 12144, 13360 thru 13362 and 13364 thru 13369.

22. Method

Two strips 1:40,000 and one strip of 1:5,000 scale color photography were bridged by analytical methods to provide horizontal control points for compilation and shoreline points for ordering 1:10,000 and 1:5,000 scale ratio prints. The attached sketch of the strips bridged shows the placement of horizontal control points used in the strip adjustments. A list of closures to control is part of this report. Positions of all compilation points and control stations have been plotted on the manuscripts by the Coradi.

23. Adequacy of Control

The horizontal control used is on the new adjustment of the Puerto Rico datum. All control was adequate and held well within the accuracy required by National Standards of Map Accuracy at 1:10,000 and 1:5,000 scales. Tie points were used to augment datum tie between strips 1, 2 and 3.

24. Supplemental Data

U. S. Geological Survey quadrangles were used to provide elevations for vertical adjustment of bridges.

25. Photography

RC-8 E color photography was adequate as to coverage overlap and definition.

Submitted by,  

Robert B. Kelly

Approved and forwarded,  

Henry P. Eichert  
Chief, Aerotriangulation Section
**Legend**

- Control Used in Adjustment
- ( ) Closures of Bridge to control shown in parenthesis
- Control used as check.

**Strip 1**

- Fort Allen, U.S.N. Base W.T. (0.0, 0.0)
- Sub Sta. A (-0.4, 0.0)
- Cortada Sugar Co. Stack 1966 (+0.8, 0.1)
- Sub Sta. A (+1.2, +1.2)
- Bocamar, 1966 Sub Sta. A (0.0, 0.0)
- Inferno 2, 1966 (0.0, 0.0)

**Strip 2**

- Inferno 2, 1966 (-0.6, +0.3)
- Aguirre, 1966 (-1.3, +0.6)
- Barr, 1965 (-0.6, -1.0)
- Pi Viento 3, 1966 (-1.2, -0.8)
- House, 1966 Sub Sta. A (+1.1, +0.4)
- Yeguas 2, 1965 (+1.1, -0.6)
- Yeguas 2, 1965 Sub Sta. A (+0.3, -0.2)
Strip 3

- VEGUAS 2, 1965
- VEGUAS 2, 1965 SUB. STA.
- GUAYANES 2, 1923
- BAT, 1965

(0.0, 0.0)
(0.0, 0.0)
(0.0, 0.0)
(0.0, 0.0)
<table>
<thead>
<tr>
<th>STATION NAME</th>
<th>SOURCE OF INFORMATION (Index)</th>
<th>AEROTRIANGULATION POINT NUMBER</th>
<th>COORDINATES IN FEET</th>
<th>GEOGRAPHIC POSITION</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAHIA DE JOBOS RANGE A, REAR LIGHT, 1966</td>
<td>Geodesy pad 27342</td>
<td></td>
<td>x=</td>
<td>φ 17 55 09.79951</td>
<td>0.3 150.3</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>y=</td>
<td>λ 66 14 54.52476</td>
<td>1604.8 (161.1)</td>
</tr>
<tr>
<td>BAHIA DE JOBOS RANGE B, REAR LIGHT, 1966</td>
<td>Geodesy pad 27344</td>
<td></td>
<td>x=</td>
<td>φ 17 55 01.62080</td>
<td>49.8 (1794.8)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>y=</td>
<td>λ 66 14 25.01944</td>
<td>736.4 (1029.5)</td>
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</tbody>
</table>

COMPUTED BY B. H. Barnes DATE 1/27/71
COMPUTATION CHECKED BY B. L. Barge DATE 1/27/71
LISTED BY DATE
LISTING CHECKED BY DATE
HAND PLOTTING BY DATE
HAND PLOTTING CHECKED BY DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.
COMPILeon REPORT
T-13368
SHORELINE

31. DELINEATION:
   Delineation was by the Wild B-8 stereoplotter.

32. CONTROL:

33. SUPPLEMENTAL DATA:
   None.

34. CONTOURS AND DRAINAGE:
   Contours are not applicable to the project. Drainage was delineated by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:
   The shoreline and alongshore details were delineated by office interpretation of the photographs.

36. OFFSHORE DETAILS:
   No unusual problems.

37. LANDMARKS AND AIDS:
   Preliminary forms 76-40 for Landmarks and/or Aids were prepared by the Compilation Office and forwarded to the Field Editor and/or Hydrographer for verification, location, or deletion.
38. **CONTROL FOR FUTURE SURVEYS:**

None.

39. **JUNCTIONS:**

See the attached for 76-36B, item 5 of the Descriptive Report concerning junctions.

40. **HORIZONTAL AND VERTICAL ACCURACY:**

No statement.

46. **COMPARISON WITH EXISTING MAPS:**

A comparison was made with USGS Quadrangle Central Aguirre, Puerto Rico, scale 1:20,000, dated 1960.

47. **COMPARISON WITH NAUTICAL CHARTS:**

A comparison was made with Chart 909, scale 1:20,000 6th edition, dated June 27, 1970 (corr thru NM 26/70).

**ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:**

None.

**ITEMS TO BE CARRIED FORWARD:**

None.

Submitted by:

B. Barnes
Cartographer
Jan. 27, 1971

Approved:

Albert C. Rauck, Jr.
Chief, Coastal Mapping Section
October 11, 1977

GEOGRAPHIC NAMES

FINAL NAME SHEET

Ph-6904 (South Coast, Puerto Rico)

T-13368

Bahía de Jobos
Boca del Infierno
Cayo Puerca
Cayos de Barca
Mar Caribe
Punta Colchones

Approved by:

[Signature]
Charles E. Harrington
Staff Geographer - C51x2
# Photogrammetric Office Review

**TP - 13368**

## 1. Projection and Grids
- BW

## 2. Title
- BW

## 3. Manuscript Numbers
- BW

## 4. Manuscript Size
- BW

## Control Stations

<table>
<thead>
<tr>
<th>5. Horizontal Control Stations of Third-Order or Higher Accuracy</th>
<th>6. Recoverable Horizontal Stations of Less Than Third-Order Accuracy (Topographic Stations)</th>
<th>7. Photo Hydro Stations</th>
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## Bench Marks
- NA

## Plotting of Sextant Fixes
- NA

## Planning Photographic Plot Report
- BW(READ)

## Detail Points
- BW

## Alongshore Areas (Nautical Chart Data)

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## Aids to Navigation
- BW

## Landmarks
- NA

## Other Alongshore Physical Features
- BW

## Other Alongshore Cultural Features
- BW

## Physical Features

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## Stereoscopic Instrument Contours
- NA

## Contours in General
- NA

## Spot Elevations
- NA

## Other Physical Features
- BW

## Cultural Features

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## Boundaries
- BW

## Boundary Lines
- NA

## Miscellaneous

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## Discrepancy Overlay
- BW

## Descriptive Report
- BW

## Field Inspection Photographs
- NA

## Forms
- BW

## Reviewer
- A. C. Rauck, Jr.

## Supervisor, Review Section or Unit
- A. C. Rauck, Jr.

## Remarks
- See attached sheet

### Field Completion Additions and Corrections to the Manuscript

- 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.

## Compiler
- J. Bogacz

## Supervisor
- A. C. Rauck, Jr.

## Reviewer
- C. Blood

## Notes
- NOAA Form 76-74 (7-76)
FIELD EDIT REPORT
JOB PH-6904
South Coast of Puerto Rico
T-13363; T-13370 and T-13371

This report is submitted for three 1:10,000 scale maps. The Field Edit was accomplished during the winter season of 1975.

52. ADEQUACY OF COMPILATION

The compilation is generally good; and after application of field edit corrections, additions, and deletions; compilation will be adequate.

54. RECOMMENDATIONS

None.

55. GEOGRAPHIC NAMES

No discrepancies were noted during Field Edit.

56. SHORELINE AND ALONGSHORE FEATURES

Distances were measured to the mean high-water line at the specific areas called for on the field edit ozalid and are recorded on Contact Photo 70B6250.

57. LANDMARKS AND AIDS

Form 76-46 was submitted for all nautical landmarks and fixed aids to navigation by Ship Mt. MITCHELL, see Transmittal Letter 58-75 SURV/mrn dated 30 May 1975 to DIRECTOR ANG ATTN: CAM 5.

58. GENERAL STATEMENT

All field edit notes have been made in violet ink on the field edit sheet and ratio photographs.

Submitted 8/26/75

Robert S. Tibbetts
Surveying Technician
<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>méthode and DATE OF LOCATION</th>
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</thead>
<tbody>
<tr>
<td>LIGHT</td>
<td>(Bahia DeJobos, Range A, Rear Light, 1966) Light is inoperative.</td>
<td>17 55.1</td>
<td>66 14.9</td>
<td>F-V-Vis. Aug.1975. 909</td>
</tr>
<tr>
<td>LIGHT</td>
<td>(Bahia DeJobos, Range B, Rear Light, 1966) Light inoperative.</td>
<td>17 55.1</td>
<td>66 14.9</td>
<td>&quot;</td>
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<td>LIGHT</td>
<td>(Bahia DeJobos, Range A, Front Light, 1966) Light destroyed.</td>
<td>17 55.3</td>
<td>66 14.0</td>
<td>&quot;</td>
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<td>LIGHT</td>
<td>(Bahia DeJobos, Range B, Front Light, 1966) Light destroyed.</td>
<td>17 55.2</td>
<td>66 14.3</td>
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</table>
REVIEWS REPORT
T-13368
SHORELINE
December 14, 1977

61. GENERAL STATEMENT:

See Summary, page 6 of this Descriptive Report.

The field editor stated the Bahia de Jobos Range A and Range B lights are now inoperative. The towers supporting each of the two range rear lights however are still standing. They were recovered as triangulation stations. Descriptions, including heights above water level, are given on the field edit ozalid. Recovery notes were also submitted.

The compilation office made the decision that since the towers are still in place they are useful as landmarks. However, there is no evidence that the field editor or hydrographer recommends either of these features for charting. The compilation office should not recommend landmarks for charting. Accordingly, they were deleted as landmarks during final review. Their positions are retained on the map as triangulation stations.

The areas labeled "grass" on the map is described by the field editor as aquatic bottom vegetation. It does not appear on the photographs to be the long bladed grass extending to or above the mean low water line traditionally associated with the phrase "grass in water".

There was no field verification of an obstruction delineated by the compilation office. This item was referred to the hydrographer on the field edit ozalid but was not resolved. The feature is shown on the map at lat. 17°55.3', long. 66°14.2'.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.
63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Not applicable.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with Final Verified Smooth-sheets H-9490 (MI-5-1-75), H-9491 (MI-5-1-75) and H-9485 (MI-10-1-75)

Landmark towers delineated on the smoothsheets on Cayos de Barca were deleted from the map. See paragraph 61.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 25687, 1:20,000 scale, 8th edition, dated March 1, 1975.

Numerous submerged rocks are charted around the south shore of Punta Colchones and Cayo Puerca. Evidence on the photographs seem to support this. However, the field editor has described the area as "soft" and being mostly grass.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the project instructions and meets the requirements for Bureau Surveys and the National Standards of Map Accuracy.

Submitted by:

A. L. Shands
Final Reviewer

Approved for forwarding:

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch  Chief, Coastal Mapping Div.