# T-13363

ORIGINAL

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#### NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

# **DESCRIPTIVE REPORT**

| Type of Survey                  |
|---------------------------------|
| Job No. PH-6904 Map No. T-13363 |
| Classification No. Edition No   |
| LOCALITY                        |
| State Puerto Rico               |
|                                 |
| General Locality                |
| Rio Guamani<br>Locality         |
|                                 |
|                                 |
| 1970 TO 1975                    |
|                                 |
| REGISTRY IN ARCHIVES            |
| DATE                            |

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901

| NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. | TYPE OF SURVEY                        | SURVEY TY-13363            |
|--|---------------------------------------|----------------------------|
| TO THE PERSON AND ALMOSPICKIC ADMIN.   | XII ORIGINAL                          | MAP EDITION NO. (1)        |
| DESCRIPTIVE REPORT - DATA RECORD   | RESURVEY                              | MAP CLASS FINAL            |
| DESCRIPTIVE REPORT - DATA RECORD   | 1 -                                   | 6904                       |
| PHOTOGRAMMETRIC OFFICE   | ☐ REVISĒD                             | JOB PH                     |
| Coastal Mapping Division, AMC  | I                                     | ING MAP EDITION            |
| Norfolk, Va.   | TYPE OF SURVEY                        | JOB PH                     |
| OFFICER-IN-CHARGE  | D RESURVEY                            | MAP CLASS<br>SURVEY DATES: |
| Jeffrey G. Carlen, CDR   | REVISED                               | 19TO 19                    |
| t. INSTRUCTIONS DATED  | Ĺ                                     |                            |
| 1. OFFICE  | 2.                                    | FIELD                      |
|  | }                                     |                            |
| Compilation October 16, 1970   | April 7, 1969                         |                            |
| 00   | January 23, 197                       | 0                          |
| ·  | January 31, 197                       |                            |
|  | November 16, 19                       |                            |
|  | (                                     |                            |
|  |                                       |                            |
| II. DATUMS   | OTHER (Constant                       |                            |
| 1. HORIZONTAL: 1927 NORTH AMERICAN   | OTHER (Specify) Puerto Rico           |                            |
| ( <del>V</del> )   | OTHER (Specify)                       | <del></del>                |
| X MEAN HIGH-WATER  W MEAN LOW-WATER  |                                       |                            |
| 2. VERTICAL: MEAN LOWER LOW-WATER  | 1                                     |                            |
| MEAN SEA LEVEL   |                                       |                            |
| 3. MAP PROJECTION  | <del></del>                           | GR(D(S)                    |
| Polyconic  | STATE Puerto Rico                     | ZONE                       |
| 5. SCALE   | STATE                                 | ZONE                       |
| 1:10,000   |                                       |                            |
| III. HISTORY OF OFFICE OPERATIONS  | · · · · · · · · · · · · · · · · · · · | <del></del>                |
| OPERATIONS   | NAME<br>D. Valle                      | DATE                       |
| 1. AEROTRIANGULATION BY METHOD: Analytic Landmarks and aids by                               | R. Kelly                              | Sept 1970                  |
| 2. CONTROL AND BRIDGE POINTS PLOTTED BY  | P. Dempsey                            | Oct 1970                   |
| метнор: Coradomat снескер ву   |                                       |                            |
| 3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY   | B. L. Barge                           | Feb 1971                   |
| COMPILATION CHECKED BY   | A. L. Shands                          | Feb 1971                   |
| 1.200.00   | NA                                    |                            |
| SCALE: CRECKED BY  | NA P I Borne                          | N 1071                     |
| 4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY   | B. L. Barge<br>B. Wilson              | May 1971<br>Dec 1971 -     |
| Smooth Drafted CONTOURS BY   | NA NA                                 | 1000 1971                  |
| METHOD: CHECKED BY   | NA                                    |                            |
| HYDRO SUPPORT DATA BY  | B. L. Barge                           | May 1971                   |
| CHECKED BY   | B. Wilson                             | Dec 1971                   |
| 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY  | B. Wilson                             | Dec 1971                   |
| 6. APPLICATION OF FIELD EDIT DATA CHECKED BY   | C. Parker A. L. Shands                | Apr 1976<br>Aug 1976       |
| 7. COMPILATION SECTION REVIEW BY   | A. L. Shands                          | Aug 1976                   |
| 8. FINAL REVIEW BY   | A. L. Shands                          | Dec 1977                   |
| 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY   | A. L. Shands                          | Dec 1977                   |
| 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY   | J.B. Phillips                         | Jan 1978                   |
| 11. MAP REGISTERED - COASTAL SURVEY SECTION BY   | I P. T. Cataly                        | 11.00 1078                 |

NOAA FORM 76-36 A

SUPERSEDES FORM C&G5 181 SERIES

# U.S. G.P.O. 1972-769382/582 REG.#6

| . COMPILATION PHOTOGRAPHY  |                  |                      |                              |                 |               |         |
|--|------------------|----------------------|------------------------------|-----------------|---------------|---------|
| CAMERA(S)  |                  |                      | PHOTOGRAPHY                  | , т             | IME REFER     | ENCF    |
| Wild RC 8 "E"  IDE STAGE REFERENCE   | ···              |                      | EGEND                        | ZONE            |               | vL      |
| A) PREDICTED TIDES   |                  | (C) COLOR            |                              | Atlanti         | ic            | X∵s     |
| REFERENCE STATION RECORE   |                  | (P) PANCH            |                              | MERIDIAN        |               | ╏╌。     |
| TIDE CONTROLLED PHOTOGR  |                  |                      | <del></del>                  | 60th            |               |         |
| NUMBER AND TYPE  | DATE             | TIME                 | SCALE                        | <u>-   </u>     | STAGE OF T    | IDE     |
| 70E(C) 6253-6255   | 3/7/70           | 09:48                | 1:15,000                     |                 | · above       |         |
| 70E(C) 6418-6421   | 3/7/70           | 12:05                | 1:15,000                     |                 | • above       |         |
| 70E(C) 6144 and 6145   | 3/5/70           | 11:13                | 1:40,000                     | 0.6 16          | : · above     | Mil     |
|  |                  |                      |                              |                 |               |         |
|  |                  |                      |                              |                 |               |         |
| REMARKS  | <del></del>      | <u> </u>             |                              |                 |               |         |
|  |                  |                      |                              |                 |               |         |
| 2. SOURCE OF MEAN HIGH-WATE The MHWL was comp  |                  | he above lis         | sted photograp               | bhy.            |               |         |
|  |                  | he above lis         | sted photograp               | ohy•            |               |         |
|  | oiled from t     |                      |                              | ohy•            |               |         |
| The MHWL was comp  | oiled from t     |                      |                              | ohy•            |               |         |
| The MHWL was comp  | oiled from t     |                      |                              | ohy•            |               |         |
| The MHWL was comp  | oiled from t     |                      |                              | ohy•            |               |         |
| The MHWL was comp  | oiled from t     |                      |                              | ohy•            |               |         |
| The MHWL was comp  | oiled from t     |                      |                              | ohy•            |               |         |
| The MHWL was comp  | oiled from t     |                      |                              | ohy•            |               |         |
| The MHWL was comp  | oiled from t     |                      |                              | ohy•            |               |         |
| The MHWL was comp  | oiled from t     | R LOW-WATER LINI     | E:                           |                 | ric survey in | lormati |
| The MHWL was compared and some compiled.   | CHIC SURVEYS (Li | R LOW-WATER LINI     | E:                           |                 | ric survey in |         |
| The MHWL was compart of the MH | CHIC SURVEYS (Li | R LOW-WATER LINI     | e:<br>ys that are sources to | r photogrammetr |               |         |
| The MHWL was compart of the MHWL was compart of the MHWL was compart to the man low-water and the man low-water of the man low-water and the man low-water of the man low-water o | CHIC SURVEYS (Li | R LOW-WATER LINI     | e:<br>ys that are sources to | r photogrammetr |               |         |
| The MHWL was compart of the MH | CHIC SURVEYS (Li | ist only those surve | e:<br>ys that are sources to | r photogrammetr | SURVE         | Y COP   |

| NOAA FORM 76–36C<br>(3–72)          | T-13363<br>History of Field                                 | NATIONAL OCEANIC AND         |                |                    |
|-------------------------------------|---|------------------------------|----------------|--------------------|
| I. 🔀 FIELD INSPECTION               | OPERATION FIEL  | D EDIT OPERATION             | <del></del>    |                    |
|                                     | OPERATION   | NAME                         |                | DATE               |
| 1. CHIEF OF FIELD PAR               | TY  | J. Wilson                    | .5.            | 1970<br>1972 A.L.S |
|                                     | RECOVERED BY  | J. Wilson & E.               |                | 1970-1 <b>97</b> 7 |
| 2. HORIZONTAL CONTRO                | L ESTABLISHED BY  | None                         | A·L·J,         | A.L.s              |
|                                     | PRE-MARKED OR IDENTIFIED BY                                 | <u>None</u>                  |                |                    |
|                                     | RECOVERED BY  |                              |                | <del></del>        |
| 3. VERTICAL CONTROL                 | ESTABLISHED BY  | NA                           |                | <del></del>        |
|                                     | PRE-MARKED OR IDENTIFIED BY                                 | NA                           |                |                    |
| 4                                   | RECOVERED (Triangulation Stations) BY                       | None                         |                |                    |
| 4. LANDMARKS AND AIDS TO NAVIGATION | LOCATED (Field Methods) BY                                  | None                         | ~ <del>-</del> |                    |
|                                     | IDENTIFIED BY TYPE OF INVESTIGATION                         | None                         |                | <del></del>        |
|                                     | COMPLETE  | }                            |                |                    |
| 5. GEOGRAPHIC NAMES INVESTIGATION   | SPECIFIC NAMES ONLY   |                              |                |                    |
|                                     | XX NO INVESTIGATION   |                              |                | •                  |
| 6. PHOTO INSPECTION                 |   | NT                           |                | <del></del>        |
| 7. BOUNDARIES AND LIN               | CLARIFICATION OF DETAILS BY  AITS SURVEYED OR IDENTIFIED BY | None<br>NA                   | <del></del>    |                    |
| II. SOURCE DATA                     | JOHN PERINT TED ST  | <del></del>                  |                |                    |
| 1. HORIZONTAL CONTRO                | OL IDENTIFIED   | 2. VERTICAL CONTROL          | DENTIFIED      |                    |
|                                     | None  | NA                           |                |                    |
| PHOTO NUMBER                        | STATION NAME  | PHOTO NUMBER                 | STATION DESIGN | NA TION            |
|                                     |   |                              |                |                    |
| 3. PHOTO NUMBERS (CIA               | ·   |                              |                |                    |
|                                     | None  |                              |                |                    |
| 4. LANDMARKS AND AID                | S TO NAVIGATION IDENTIFIED                                  |                              |                |                    |
|                                     | None  |                              |                |                    |
| PHOTO NUMBER                        | BJECT NAME  | PHOTO NUMBER                 | OBJECT NA      | ме                 |
|                                     |   |                              |                |                    |
| 5. GEOGRAPHIC NAMES:                | REPORT X NONE   | 6. BOUNDARY AND LIMIT        | S: REPORT      | NONE               |
| 7. SUPPLEMENTAL MAP                 | S AND PLANS   |                              | <del></del>    |                    |
| 8. OTHER FIELD RECOR                | None ROS (Sketch books, etc. DO NOT list data submi         | tted to the Geodesy Division |                |                    |
| J. G. HELL TEES ALSO                | None  | to the decidesy Division)    |                |                    |
|                                     |   |                              |                |                    |

NOAA FORM 76-36C

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| NOAA FORM 76-36C<br>(3-72) | T-13363<br>History of Field  |                        | NIC AND ATMOSPHERI | ENT OF COMMERCE<br>C ADMINISTRATION<br>AL OCEAN SURVEY |
|----------------------------|--|------------------------|--------------------|--|
| I FIELD INSPECTIO          | N OPERATION XX FIEL  | D EDIT OPERATION       |                    |  |
|                            | OPERATION  | N                      | AME                | DATE   |
| 1. CHIEF OF FIELD PAR      | RTY  | R. Buffing             |                    | May 1975   |
| 2. HORIZONTAL CONTR        | RECOVERED BY   | R. Buffing             | con                | May 1975   |
|                            | PRE-MARKED OR IDENTIFIED BY  | NA                     |                    | <del> </del>   |
|                            | RECOVERED BY   | NA                     |                    |  |
| 3. VERTICAL CONTROL        | ESTABLISHED BY   | NA                     | <del></del>        | ,  |
|                            | PRE-MARKED OR IDENTIFIED BY  | None                   |                    |  |
|                            | RECOVERED (Triangulation Stations) BY  | R. Buffings            | ton                | Apr 1975   |
| 4. LANDMARKS AND           | LOCATED (Field Methods) BY   | None                   |                    |  |
| AIDS TO NAVIGATION         | IDENTIFIED BY  |                        |                    |  |
|                            | TYPE OF INVESTIGATION  |                        |                    | <u> </u>   |
| 5. GEOGRAPHIC NAMES        | COMPLETE   |                        |                    |  |
| INVESTIGATION              | SPECIFIC NAMES ONLY  |                        |                    |  |
|                            | NO INVESTIGATION   |                        |                    |  |
| 6. PHOTO INSPECTION        | CLARIFICATION OF DETAILS BY  | None                   |                    |  |
| 7. BOUNDARIES AND LI       | MITS SURVEYED OR IDENTIFIED BY   | NA                     |                    |  |
| II. SOURCE DATA            |  |                        |                    |  |
| 1. HORIZONTAL CONTR        | OL IDENTIFIED  | 2. VERTICAL CON        | TROL IDENTIFIED    |  |
| No:                        | ne   | NA NA                  |                    |  |
| PHOTO NUMBER               | ST A TION. NAME  | PHOTO NUMBER           | STATION DE         | SIGNATION  |
|                            |  |                        |                    |  |
| 3. PHOTO NUMBERS (CI       | arification of details)  |                        |                    |  |
| 70:                        | E(C) 6419  |                        |                    |  |
| 4. LANDMARKS AND AID       | DS TO NAVIGATION IDENTIFIED  |                        |                    |  |
| PHOTO NUMBER               | OBJECT NAME  | PHOTO NUMBER           | OBJECT             | NAME   |
|                            |  |                        |                    |  |
| 5. GEOGRAPHIC NAMES        | : REPORT A NONE  | 6. BOUNDARY AND        | D LIMITS: TREPO    | RT TONE  |
| 7. SUPPLEMENTAL MAR        | PS AND PLANS   | TO SCOMPANI ANI        | D Z.MIT.ST NEPU    |  |
| No                         |  |                        |                    |  |
| Fi<br>Fi                   | ROS (Skeich books, etc. DO NOT list data submit<br>eld Edit Ozalid<br>eld Edit Report<br>Forms 76-40 | tted to the Geodesy Di | vision)            |  |

NOAA FORM 76-96C (3-72)

NOAA FORM 76-36D (3-72)

U. S. DEPARTMENT OF COMMERCE

|      | 1  | -13 | 202 |     |     |
|------|----|-----|-----|-----|-----|
| RECO | RD | OF  | SUR | VEY | USE |

| I. MANUSCRI | IPT COPIES   |   |   |   |                         |   |                    |
|-------------|--|---|---|---|-------------------------|---|--------------------|
|             | CO   | MPILATION STAGES  | s   |   |                         | DATE MANUSCH                              | RIPT FORWARDED     |
| DA          | TA COMPILED  | DATE  | REM   | ARKS  |                         | MARINE CHARTS                             | HYDRO SUPPORT      |
|             | ion Complete<br>field Edit   | 5/71  | Class III                                       | manuscrip   | t                       |   | 12/29/71<br>1/2/75 |
|             | it applied.<br>ion complete  | 4/30/76   | Class I ma                                      | nuscript  | 7                       | 9/22/76                                   |                    |
| Final Re    | view   | 12/77   | Final   |   |                         | 12/77                                     |                    |
|             |  |   |   |   |                         |   |                    |
| II. LANDMA  | RKS AND AIDS TO NAVIGA   | TION  | Service and services                            |   |                         |   |                    |
| 1. REPO     | RTS TO MARINE CHART D  | VISION, NAUTICAL  | DATA BRANCH                                     |   |                         |   |                    |
| NUMBER      | CHART LETTER<br>NUMBER ASSIGNED  | DATE<br>FORWARDED   |   |   | REMA                    | RKS                                       |                    |
| * 1         |  | 9/28/76   | Landmarks                                       | for chart   | s                       |   |                    |
| 1           |  | 9/28/76   | Landmark f                                      | or deleti   | on                      |   |                    |
|             |  |   |   |   |                         |   |                    |
|             |  |   |   |   |                         |   |                    |
|             |  |   |   |   |                         |   |                    |
|             |  |   |   |   |                         |   |                    |
|             | EPORT TO MARINE CHAR   |   |   |   |                         |   |                    |
| 1           | BRIDGING PHOTOGRAPHS; CONTROL STATION IDENT SOURCE DATA (except for Caccount For Exception | DUPLICATE IFICATION CARDS; Geographic Names Rens: RDS CENTER. DAT | BRIDGING REPOI<br>FORM NOS<br>Port) AS LISTED I | RT; \(\text{TO COM<br>76:40<br>565 SUBMITT<br>N SECTION II, | MPUTE<br>FED BY<br>NOAA | R READOUTS.  ' FIELD PARTIE! FORM 76-36C. |                    |
| IV. SURVE   | Y EDITIONS (This section   |   |   | edition is reg.   |                         |   |                    |
| SECOND      | TP   | _ (2) PH  |   |   |                         | TYPE OF SURVE                             |                    |
| EDITION     | DATE OF PHOTOGRAP  | HY DATE OF F  | IELD EDIT                                       | □n.   | □111.                   | MAP CLASS                                 | FINAL              |
|             | SURVEY NUMBER  | JOB NUMBE   |   |   |                         | TYPE OF SURVE                             |                    |
| THIRD       |  | _ (3) PH  |   |   |                         | /ISED R                                   | ESURVEY            |
| EDITION     | DATE OF PHOTOGRAP  |   |   |   | □m.                     | MAP CLASS                                 |                    |
|             | SURVEY NUMBER  | (4) PH  |   |   |                         | VISED R                                   |                    |
| FOURTH      | DATE OF PHOTOGRAP  |   |   |   |                         | MAP CLASS                                 |                    |
| EDITION     |  |   |   |   |                         | Div. Dv.                                  |                    |

#### 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 clearification 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

There was no field inspection prior to office 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. The points were used to augment datum the 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,

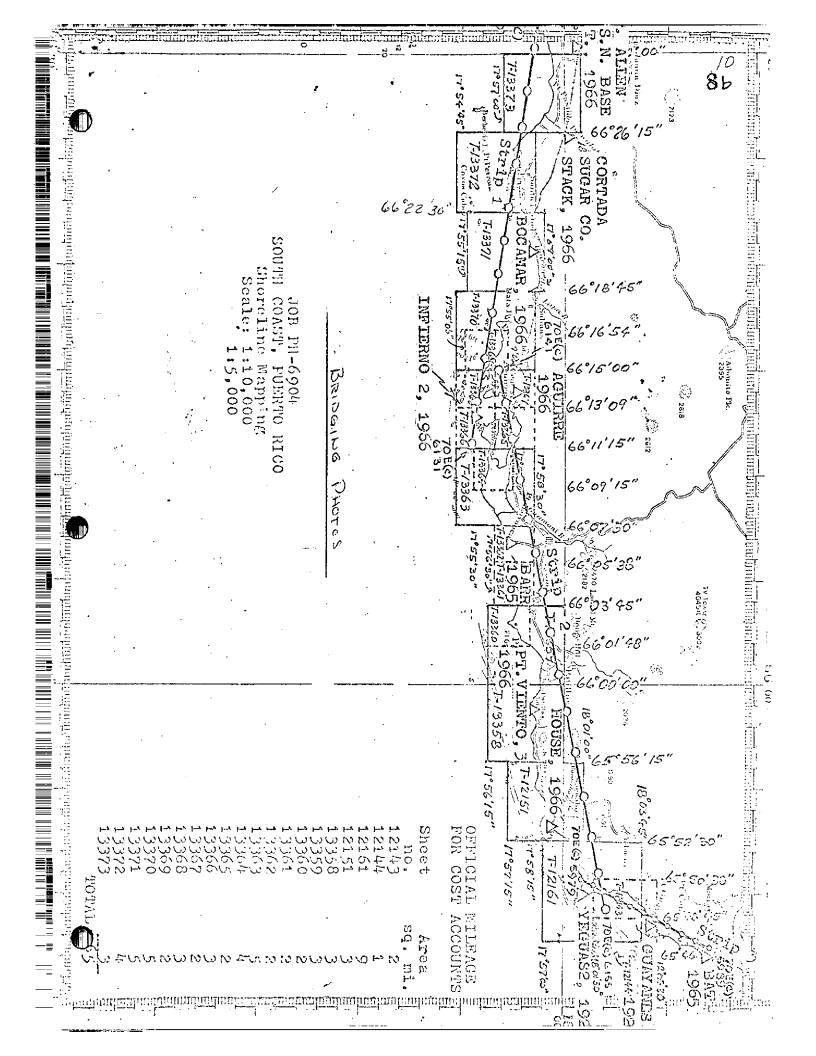
Robert B. Kelly

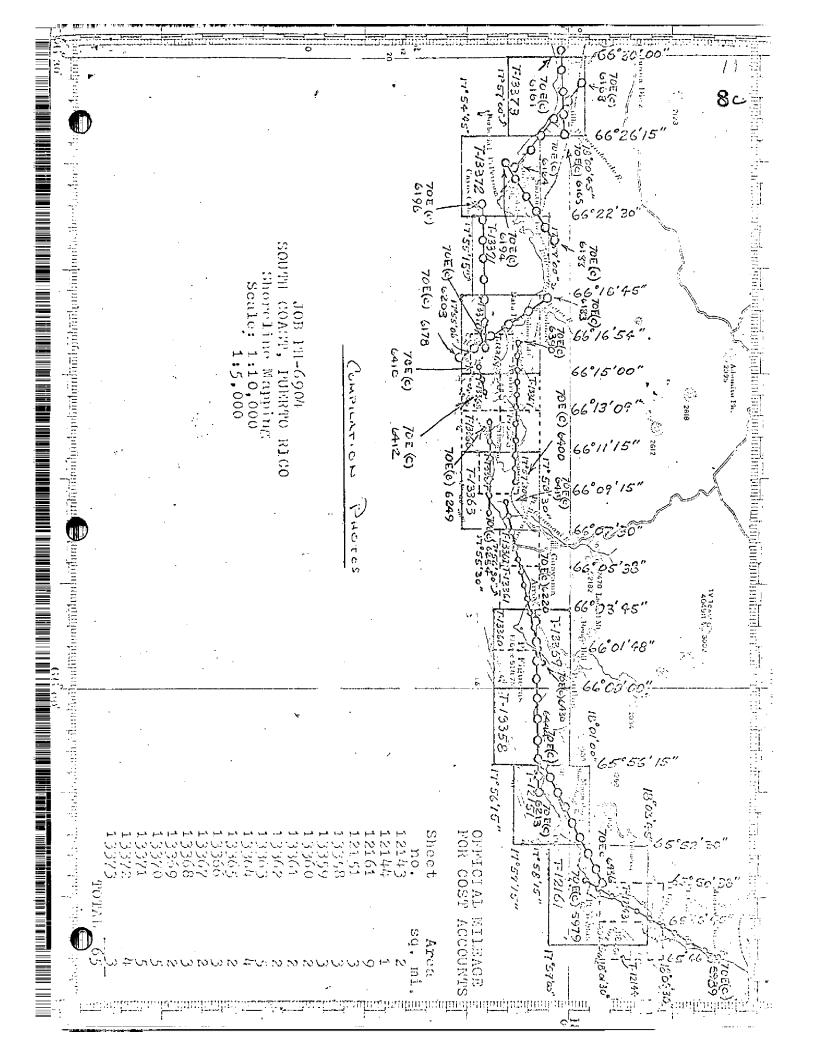
Approved and forwarded,

Henry P. Eichert

Chief, Aerotriangulation

Section





## [TOEN]

CONTRUL USEDIN ADJUSTMENT
 CLOSURES OF BRIDGE TO CONTROL SHOWN
 IN PARENTHESIS
 CONTROL USED AS CHECK.

# STRIP 1

| Δ           | FT ALLEN U.S.D. BASE W.T. (   | ,<br>,o, c, c, o) |
|-------------|-------------------------------|-------------------|
| Δ           | " SUB, STA. A                 | 1 (-0.4,0.0)      |
| Δ           | CORTADA SUGAR Co. STACK: 1966 | (+0.8,+0.1)       |
| Δ           | 5.85 TA                       | (A (+1.2,+1.2)    |
| Δ           | DOCAMAR, 1966 DUB. STA. A.    | (0,0,0,0)         |
| $\triangle$ | INFIERNC 2, 1966              | (,0.0,0.0)        |
|             | STR112                        | 7".               |
| Δ           | INFIERNO 2, 1966              | (-06,40.3)        |
| $\nabla$    | AGUIRRE, 1966                 | (-1.3, +0.6)      |
| $\Delta$    | BARR, 1965                    | (-0.6,-1.0)       |
| Δ           | Pr VIENTO 3, 1966             | (-1.2, -0.8)      |
| Δ           | HOUSE, 1966 SUBSTA. A         | (+1.1,+0.4)       |
| Δ           | YRGUAS 2, 1965                | (+1.1, -0.6)      |
| Δ           | YEGUAS 2, 1965 SUB STA, A)    | (+0.5, -0.2)      |

# STRIP 3

Δ YEGUAS 2, 1965 (0.0, 0.0)
Δ YEGUAS 2, 1965 SUB STALA (0.0, 0.0)
Δ GUAYANES 2, 1923 (0.0, 0.0)
Δ BAT, 1965 (0.0, 0.0)

|                   |                               |   | )   |  | )   | 1        |
|-------------------|-------------------------------|---|---|--|---|----------|
| NOAA FORM 76-41   |                               |   |   | U.S.   | U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION | шΖ       |
|                   |                               | DESCRIPTIV                                | DESCRIPTIVE REPORT CONTROL RECORD                           |  |   |          |
| MAP NO.           | JOB NO.                       |   | GEODETIC DATUM  | ORIGINATING ACTIVITY COASTAI                                       | vity Coastal Mapping  | _        |
| T-13363           | PH-6904                       | 74  | NA 1927.  | ion,   | Norfolk, Va.  |          |
| STATION NAME      | SOURCE OF INFORMATION (Index) | AEROTRI-<br>ANGULATION<br>POINT<br>NUMBER | COORDINATES IN FEET STATE Puerto Rico                       | GEOGRAPHIC POSITION  \$\phi LATITUDE  \$\lambda \text{LONGITUDE}\$ | REMARKS<br>FORWARD BACK   |          |
| -                 | filog.R.                      |   | x= 603,415.72 ft.   | 1  | 3415.7 (1584.3)   | T        |
| MERCEDES 1926     | Datum ADS<br>page 3 Of4       |   | y= 41,033.97 ft.  | γ  | 1034.0 (3966.0)   |          |
|                   |                               |   | χ=  | ф  |   |          |
| i                 |                               |   | =h  | γ  |   | T        |
|                   |                               |   | χ=  | •  |   |          |
|                   |                               |   | y=  | ۲  |   | T        |
|                   |                               |   | - <b>χ</b>  | φ  |   |          |
|                   |                               |   | <i>-h</i>   | γ  |   |          |
|                   |                               |   | χ=  | Ф  |   |          |
|                   |                               |   | h=  | γ  |   |          |
|                   |                               |   | =X  | ф  |   |          |
|                   |                               |   | -ĥ  | γ  |   |          |
|                   |                               |   | χ=  | ф  |   |          |
|                   |                               |   | η≠-   | γ  |   | T        |
|                   |                               |   | =χ  | -0-  |   |          |
|                   |                               |   | y=  | γ  |   | 1        |
|                   |                               |   | · =X  | ф  |   |          |
|                   |                               |   | y=  | γ  |   |          |
|                   |                               |   | -χ  | Φ  | •   |          |
|                   |                               |   | Из  | ۲  |   | - 1      |
| COMPUTED BY ROTOR |                               | DATE<br>1/22/71                           | COMPUTATION CHECKED BY                                      | . P. Margiotta   | DATE 1/22/71  |          |
|                   |                               | DATE                                      | LISTING CHECKED BY  |  | DATE  | -        |
| HAND PLOTTING BY  |                               | DATE                                      | HAND PLOTTING CHECKED BY                                    |  | DATE  |          |
|                   |                               | SUPERSEDES NO                             | SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE. | H IS OBSOLETE.   |   | 9)<br>1) |

#### COMPILATION REPORT

#### T-13363

#### 31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter. The stereoinstrument work was done with 1:40,00 scale photographs. Points were selected common to 1:15,000 photographs which were ratioed to 1:10,000 scale. There was some glare over the water which caused difficulty in defining the offshore features. These features were compiled graphically.

#### 32. CONTROL:

See the attached Aerotriangulation Plot Report, dated Sept. 1970.

#### 33. SUPPLEMENTAL DATA:

None.

#### 34. CONTOURS AND DRAINAGE:

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter.

#### 35. SHORELINE AND ALONGSHORE DETAILS:

( The shoreline and alongshore details were delineated by the Wild B-8 stereoplotter.

#### 36. OFFSHORE DETAILS:

See paragraph 31.

#### 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.

Tan. 5, 19/5. Al.5.

#### 38. CONTROL FOR SURVEYS:

None.

#### 39. JUNCTIONS:

See the attached form 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 902, scale 1:100,000 with a 1:20,000 inset, 10th edition, dated March 28, 1970, and Chart 925, 1:20,000 scale, 4th edition dated March 24, 1973

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

None.

#### ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

B. L. Barge Cartographic Tech. June 2, 1971

Approved:

Albert C. Rauck, Ør. Chief, Coastal Mapping Section

#### ADDENDUM TO THE COMPILATION REPORT

T-13363

#### FIELD EDIT

Field edit was adequate for those questions answered. There were, however, several questions reguarding the existance of coral and a wreck that were refered to the hydrographer for resolution by the field editor. These questions were transferred to an ozalid labeled "Field Edit Ozalid (ship's copy)". No answers were given to those questions on that copy however.

Submitted by:

A. L. Shands Final Reviewer

a. L. Shands

8/27/76

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6904 (South Coast, Puerto Rico)

T-13363

Arrecife Mareas

Barrancas

Las Mareas

Mar Caribe

Río Guamani

Approved by:

Charles E. Harrington Staff Geographer - C51x2

|          | NOAA FORM 75~74   |  |  | U  | S.DEPARTMENT OF COMMERCE .S.                                    |
|----------|---|--|--|--|---|
| <u> </u> | 117-73)   | PHOT   | TOGRAHMET                                | RIC OFFICE REVIEW  | NATIONAL OCEAN SURVEY   |
|          |   | -  | TP                                       | - 13363  |   |
|          | 1. PROJECTION AND GRIDS   | 2 TITLE  | <del> </del>                             | 3. HANUSCRIPT NUMBERS  | 4. MANUSCRIPT SIZE  |
|          | BW  | BW   | ,  | BW   | BW  |
| = .      | 5017501 57171015  | <u> </u>   |  |  |   |
|          | CONTROL STATIONS  | ATIONS OF  | 6. RECOVERAS                             | LE HORIZONTAL STATIONS   | 7. PHOTO HYDRO STATIONS   |
| <u> </u> | S. HORIZONTAL CONTROL STA   | CCURACY  | OF LESS TH                               | SLE HORIZONTAL STATIONS<br>AN THIRD-ORDER ACCURACY<br>( stations)  |   |
|          | BW  |  | · · · · · · · · · · · · · · · · · · ·    | NA .   | NA.   |
| =        | 8, BENCH MARKS  | PLOTTING OF  | FSEXTANT                                 | 10. PHOTOGRAMMETRIC<br>PLOT REPORT   | 11. OFTAIL POINTS   |
|          | BW  | BM   |  | BW   | BW  |
| <u> </u> | ALONGSHORE AREAS (Nautical  | Chart Deta)  |  |  |   |
|          | 12. SHORELINE   | 13. LOW-WATER  | LINE                                     | 14 ROCKS, SHOALS, ETC.   | 15. SRIDGES   |
|          | BW  | NA   |  | BW   | NA  |
|          | 16. AIDS TO NAVIGATION  | 17. LANDMARKS  | <u> </u>                                 | 18. OTHER ALONGSHORE PHYSICAL FEATURES   | 19. OTHER ALONGSHORE  |
|          | BW  | BW   |  | BW   | BW  |
|          | PHYSICAL FEATURES   | I :  | · · · · · · · · · · · · · · · · · · ·    |  | <u> </u>  |
|          | 20. WATER FEATURES  | <del></del>  | 21. NATURAL                              | GROUND COVER   | 22. PLANETABLE CONTOURS   |
| •        |   |  |  |  |   |
|          | · BW  |  | . NA                                     |  | NA  |
| <u> </u> | 23. STEREOSCOPIC INSTRUMENT CONTOURS  | 24. CONTOURS   | IN GENERAL                               | 25. SPOT ELEVATIONS  | 26 OTHER PHYSICAL FEATURES                                      |
| <i>:</i> | NA .  | NA   |  | NA   | BW  |
|          | CULTURAL FEATURES   | <del></del>  |  |  |   |
|          | A2  | 1 33   |  | T 22   | 100   |
|          | 27. ROADS   | 28, BUILDINGS  |  | 29. RAILROADS  | 30. OTHER CULTURAL  |
|          | BW BW   | BW   |  | NA NA  | BW  |
|          |   | 4  | · · · · · · · · · · · · · · · · · · ·    |  | FEATURES  |
|          | BW  | 4  |  |  | FEATURES  |
|          | BOUNDARIES  | 4  |  | NA   | FEATURES  |
|          | BOUNDARIES 31. BOUNDARY LINES NA MISCELLANEOUS  | BW   | 24 HINGTION                              | NA  32. PUBLIC LAND LINES  NA  | BW BW   |
|          | BW  BOUNDARIES  31. BOUNDARY LINES  NA  | BW   | 34. JUNCTION                             | NA  32. PUBLIC LAND LINES  NA  | FEATURES  |
|          | BOUNDARIES 31. BOUNDARY LINES NA MISCELLANEOUS  | BW   | 34. JUNCTION                             | NA  32. PUBLIC LAND LINES  NA  | BW  35. LEGIBILITY OF THE                                       |
|          | BW  BOUNDARIES  31. BOUNDARY LINES  NA  MISCELLANEOUS  33. GEOGRAPHIC NAMES   | BW   | · · · · · · · · · · · · · · · · · · ·    | NA  32. PUBLIC LAND LINES  NA  | 35. LEGIBILITY OF THE MANUSCRIPT                                |
|          | BW  BOUNDARIES  31. BOUNDARY LINES  NA  MISCELLAMEOUS  33. GEOGRAPHIC NAMES  BW  36. DISCREPANCY OVERLAY  | BW   | · · · · · · · · · · · · · · · · · · ·    | NA  32. PUBLIC LAND LINES  NA  S  BW  38. FIELD INSPECTION PHOTOGRAPHS   | 35. LEGIBILITY OF THE MANUSCRIPT  BW  39. FORMS                 |
|          | BW  BOUNDARIES  31. BOUNDARY LINES  NA  MISCELLANEOUS  33. GEOGRAPHIC NAMES  BW   | BW   | · · · · · · · · · · · · · · · · · · ·    | NA  32. PUBLIC LAND LINES  NA  S   | BW  35. LEGIBILITY OF THE MANUSCRIPT  BW  39. FORMS  BW         |
|          | BW  BOUNDARIES  31. BOUNDARY LINES  NA  MISCELLANEOUS  33. GEOGRAPHIC NAMES  BW  36. DISCREPANCY OVERLAY  BW  40. REVIEWER  B. Wilson   | BW 37. DESCRIPTIVE BW 12/13/71   | · · · · · · · · · · · · · · · · · · ·    | NA  32. PUBLIC LAND LINES  NA  S  BW  38. FIELD INSPECTION PHOTOGRAPHS  BW   | BW  35. LEGIBILITY OF THE MANUSCRIPT  BW  39. FORMS  BW         |
|          | BW  BOUNDARIES  31. BOUNDARY LINES  NA  MISCELLANEOUS  33. GEOGRAPHIC NAMES  BW  36. DISCREPANCY OVERLAY  BW  40. REVIEWER  | BW 37. DESCRIPTIVE BW 12/13/71   | · · · · · · · · · · · · · · · · · · ·    | NA  32. PUBLIC LAND LINES  NA  S  BW  38. FIELD INSPECTION PHOTOGRAPHS  BW    SUPERVISOR, REVIEW SECTION   | BW  35. LEGIBILITY OF THE MANUSCRIPT  BW  39. FORMS  BW         |
|          | BW  BOUNDARIES  31. BOUNDARY LINES  NA  MISCELLAMEOUS  33. GEOGRAPHIC NAMES  BW  36. DISCREPANCY OVERLAY  BW  40. REVIEWER  B. Wilson  A. C. Rausk.  41. REMARKS (See attached she  | BW  37. DESCRIPTION  BW  12/13/71  9. FOR  | E REPORT                                 | NA  32. PUBLIC LAND LINES  NA  S  BW  38. FIELD INSPECTION PHOTOGRAPHS  BW  SUPERVISOR, REVIEW SECTION A. C. Rauck, Jr.  A. C. Rauck, Jr.  | BW  35. LEGIBILITY OF THE MANUSCRIPT  BW  39. FORMS  BW         |
|          | BW  BOUNDARIES  31. BOUNDARY LINES  NA  MISCELLANEOUS  33. GEOGRAPHIC NAMES  BW  36. DISCREPANCY OVERLAY  BW  40. REVIEWER  B. Wilson  A. C. Rausk.  41. REMARKS (See attached she FIELD COMPLETION ADDITION  | BW  37. DESCRIPTIVE BW  12/13/71  1. FOR  13 AND CORRECT   | E REPORT                                 | NA  32. PUBLIC LAND LINES  NA  S  BW  38. FIELD INSPECTION PHOTOGRAPHS  BW  SUPERVISOR, REVIEW SECTION A. C. Rauck, Jr.  A. C. Rauck, Jr.  | 35. LEGIBILITY OF THE MANUSCRIPT  BW  39. FORMS  BW  ON OR UNIT |
|          | BW  BOUNDARIES  31. BOUNDARY LINES  NA  MISCELLANEOUS  33. GEOGRAPHIC NAMES  BW  36. DISCREPANCY OVERLAY  BW  40. REVIEWER  B. Wilson  A. C. Rausk.  41. REMARKS (See attached she FIELD COMPLETION ADDITION  | BW  37. DESCRIPTIVE BW  12/13/71  1. FOR  15 AND CORRECT 6 fumished by the                           | E REPORT                                 | NA  32. PUBLIC LAND LINES  NA  S  BW  38. FIELD INSPECTION PHOTOGRAPHS  BW  SUPERVISOR, REVIEW SECTION A. C. Rauck, Jr.  A. C. Rauck, Jr.  | BW  35. LEGIBILITY OF THE MANUSCRIPT  BW  39. FORMS  BW         |
|          | BW  BOUNDARIES  31. BOUNDARY LINES  NA  MISCELLANEOUS  33. GEOGRAPHIC NAMES  BW  36. DISCREPANCY OVERLAY  BW  40. REVIEWER  B. Wilson  A. C. Rausk.  41. REMARKS (See attached she FIELD COMPLETION ADDITION SCRIPT IS NOW COmplete ex  | BW  37. DESCRIPTIVE BW  12/13/71  1. FOR  15 AND CORRECT 6 furnished by the cept as noted und        | IONS TO THE A                            | BW    38. FIELD INSPECTION PHOTOGRAPHS   BW   SUPERVISOR, REVIEW SECTION A. C. Rauck, Jr.   A. C. Rauck, Jr. | 35. LEGIBILITY OF THE MANUSCRIPT  BW  39. FORMS  BW  ON OR UNIT |
|          | BW  BOUNDARIES  31. BOUNDARY LINES  NA  MISCELLANEOUS  33. GEOGRAPHIC NAMES  BW  36. DISCREPANCY OVERLAY  BW  40. REVIEWER  B. Wilson  A. C. Rausk.  41. REMARKS (See attached she FIELD COMPLETION ADDITION Script is now complete ex  | BW  37. DESCRIPTIVE BW  12/13/71  15 AND CORRECT 5 fumished by the cept as noted und  17. FOR 4/30/7 | IONS TO THE Ase field completer item 43. | NA  32. PUBLIC LAND LINES  NA  S  BW  38. FIELD INSPECTION PHOTOGRAPHS  BW  SUPERVISOR, REVIEW SECTION A. C. Rauck, Jr.  A. C. Rauck, Jr.  AANUSCRIPT  ion survey have been applied  | 35. LEGIBILITY OF THE MANUSCRIPT  BW  39. FORMS  BW  ON OR UNIT |
|          | BW  BOUNDARIES  31. BOUNDARY LINES  NA  MISCELLANEOUS  33. GEOGRAPHIC NAMES  BW  36. DISCREPANCY OVERLAY  BW  40. REVIEWER  B. Wilson  A. C. Rausk.  41. REMARKS (See attached she FIELD COMPLETION ADDITION  42. Additions and corrections script is now complete ex  COMPILER A. C. RAUSY  Charles Pakrer | BW  37. DESCRIPTIVE BW  12/13/71  15 AND CORRECT 5 fumished by the cept as noted und  17. FOR 4/30/7 | IONS TO THE Ase field completer item 43. | NA  32. PUBLIC LAND LINES  NA  S  BW  38. FIELD INSPECTION PHOTOGRAPHS  BW  SUPERVISOR, REVIEW SECTION A. C. Rauck, Jr. A.C. Rauck, Jr.  GANUSCRIPT  ion survey have been applied  I SUPERVISOR A.C. Rauck.  | 35. LEGIBILITY OF THE MANUSCRIPT  BW  39. FORMS  BW  ON OR UNIT |
|          | BW  BOUNDARIES  31. BOUNDARY LINES  NA  MISCELLANEOUS  33. GEOGRAPHIC NAMES  BW  36. DISCREPANCY OVERLAY  BW  40. REVIEWER  B. Wilson  A. C. Rausk.  41. REMARKS (See attached she FIELD COMPLETION ADDITION Script is now complete ex Compiler A. C. Rausk.  Charles Pakrer  Reviewer: A. L. She           | BW  37. DESCRIPTIVE BW  12/13/71  15 AND CORRECT 5 fumished by the cept as noted und  17. FOR 4/30/7 | IONS TO THE Ase field completer item 43. | NA  32. PUBLIC LAND LINES  NA  S  BW  38. FIELD INSPECTION PHOTOGRAPHS  BW  SUPERVISOR, REVIEW SECTION A. C. Rauck, Jr. A.C. Rauck, Jr.  GANUSCRIPT  ion survey have been applied  I SUPERVISOR A.C. Rauck.  | 35. LEGIBILITY OF THE MANUSCRIPT  BW  39. FORMS  BW  ON OR UNIT |
|          | BW  BOUNDARIES  31. BOUNDARY LINES  NA  MISCELLANEOUS  33. GEOGRAPHIC NAMES  BW  36. DISCREPANCY OVERLAY  BW  40. REVIEWER  B. Wilson  A. C. Rausk.  41. REMARKS (See attached she FIELD COMPLETION ADDITION Script is now complete ex Compiler A. C. Rausk.  Charles Pakrer  Reviewer: A. L. She           | BW  37. DESCRIPTIVE BW  12/13/71  15 AND CORRECT 5 fumished by the cept as noted und  17. FOR 4/30/7 | IONS TO THE Ase field completer item 43. | NA  32. PUBLIC LAND LINES  NA  S  BW  38. FIELD INSPECTION PHOTOGRAPHS  BW  SUPERVISOR, REVIEW SECTION A. C. Rauck, Jr. A.C. Rauck, Jr.  GANUSCRIPT  ion survey have been applied  I SUPERVISOR A.C. Rauck.  | 35. LEGIBILITY OF THE MANUSCRIPT  BW  39. FORMS  BW  ON OR UNIT |
|          | BW  BOUNDARIES  31. BOUNDARY LINES  NA  MISCELLANEOUS  33. GEOGRAPHIC NAMES  BW  36. DISCREPANCY OVERLAY  BW  40. REVIEWER  B. Wilson  A. C. Rausk.  41. REMARKS (See attached she FIELD COMPLETION ADDITION Script is now complete ex Compiler A. C. Rausk.  Charles Pakrer  Reviewer: A. L. She           | BW  37. DESCRIPTIVE BW  12/13/71  15 AND CORRECT 5 fumished by the cept as noted und  17. FOR 4/30/7 | IONS TO THE Ase field completer item 43. | NA  32. PUBLIC LAND LINES  NA  S  BW  38. FIELD INSPECTION PHOTOGRAPHS  BW  SUPERVISOR, REVIEW SECTION A. C. Rauck, Jr. A.C. Rauck, Jr.  GANUSCRIPT  ion survey have been applied  I SUPERVISOR A.C. Rauck.  | 35. LEGIBILITY OF THE MANUSCRIPT  BW  39. FORMS  BW  ON OR UNIT |

# FIELD EDIT REPORT JOB PH-6904 South Coast of Fuerto 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 CEOGRAPHIC 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 70E6250.

#### 57. LANDMARKS AND AIDS

Form 76-40 was submitted for all nautical landmarks and fixed aids to navigation by Ship Mt. MITCHELL, see Transmittal Letter 58-75 SURV/mrm dated 30 May 1975 to DIRECTOR AMC ATTN: CAM 5.

## 58. GENERAL STATEGERT

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

| VITY                 | <b>&gt;</b>                                      |                         | <u></u>                | REVIEW GRP.                   | personne!)  |                 |                             | CHARTS                             | AFFECTED      | i  | (        | 707             |   |  |              |  |   |        |      |      |    | <br>1 4 | la |
|----------------------|--|-------------------------|------------------------|-------------------------------|---|-----------------|-----------------------------|------------------------------------|---------------|--|----------|-----------------|---|--|--------------|--|---|--------|------|------|----|---------|----|
| ORIGINATING ACTIVITY | HYDROGRAPHIC PARTY                               |                         | X COMPLEATION ACTIVITY | QUALITY CONTROL & REVIEW GRP. | (See reverse for responsible personnel)                           |                 | E OF LOCATION               |                                    |               | FELD   | F-V-Vis. | May 19,1975     |   |  |              |  |   |        |      |      |    | -       |    |
| ENT OF COMMERCE      | AND ATMOSPHERIC ADMINISTRATION                   |                         | DATE                   | Coast Apr.1976                |   |                 | METHOD AND DATE OF LOCATION | (See instructions on reverse side) |               | OFFICE   |          |                 | - |  |              |  |   |        |      |      |    |         |    |
| 11.5. DEPARTM        | C AND ATMOSPHER                                  | r                       |                        | Rico-South Co                 | lue as landmarks.   |                 | Rico                        |                                    | LONGITUDE     | D.P. Meters  |          | 10.8            |   |  |              |  |   |        |      |      |    |         |    |
|                      | ATIONAL OCEANIC                                  | י דטא כוואאו            | LOCALITY               | Puerto R                      | been inspected from seaward to determine their value as landmarks |                 | Puerto                      | POSITION                           | LATITUDE      | D.M. Meters  |          | 99              |   |  |              |  |   |        |      |      |    |         |    |
|                      | Z Z Q V M C N V                                  | ANDMARK                 |                        | to Rico                       | n seaward to  | DATUM           | <u>-</u>                    |                                    | LAT           | o (seso  |          | 17 57.9         |   |  | <del>_</del> |  |   | i<br>i | <br> | <br> |    |         |    |
|                      | J. BOSON   | SECTION CHES            | STATE                  | Puerto                        | inspected from  | SURVEY NUMBER   | T-13363                     | 1                                  |               | i to navigation.<br>cable, in parenti  |          |                 |   |  |              |  |   |        |      |      |    |         |    |
|                      | VATIONAL OCEANIC CHARACTER AND MARKE FIRE CHARTS |                         | REPORTING UNIT         | Cosstal Mapping Div.          | HAVE WITH HAVE NOT     been                                       | JOB NUMBER SURV | <del>-</del>                | ,-                                 | . OESCRIPTION | (Record reason for delation of landmark or aid to navigation.<br>Show triangulation station names, where applicable, in parentheses) |          | Stack destroyed |   |  |              |  | ٠ |        |      |      | .* |         |    |
|                      | (8-74)   | Replaces C&GS Form 567. | TTO BE CHARTED         |                               | 1 4   |                 | 1.03                        | Cut.                               |               | CHARTING (Record NAME Show to  |          | STACK St        |   |  |              |  |   |        |      |      |    |         |    |



\_



| ### ### ##############################   | NOAA FORM 76-                          | 40   |   |             |                      | U.S.            | DEPARTM      | ENT OF COMMERCE            | ORIGINATING ACTIVITY                          | CTIVITY                                 |
|--|--|--|---|-------------|----------------------|-----------------|--------------|----------------------------|---|---|
| REPORTING STATE   COALITY   COALIT   | (8-74)<br>Replaces C&GS                | m 567;   | <b>CAPTINES AND SECRET AND</b>                                  | NARKS       | FOR CHAR             | NIC AND AT      | мозриел      | C ADMINISTRATION           | HYDROGRAPHIC P.                               | ¥ 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| Puerto Rico South Coast Apr. 1976   A.M.C. Norfolk Tober Inspected from second to determine their value as fandmarks   T=13563   T=13633   T=13663   T=13663   T=13663   T=13663   T=13663   T=136   | and annual and                         | - 1  |   |             |                      |                 |              | L                          | אאים היופוס דופות                             |   |
| Phillips Stack   1550 Khz.   H=212,   17 57   1216   121   | XX TO BE CHAR  TO BE REVIS  TO BE DELE |  | × × × × × ×   | Rico        | Locality<br>  Puerto | Rico-           | South C      | _                          | COMPLATION ACT FINAL REVIEWER OUALITY CONTRO! | LVITY "                                 |
| 100 NUMBER   SINWER VALUES   T-13553   | The following                          |  | been inspected from sea   | sward to de | termine their        | value as le     | andmarks.    |                            | (See reverse for respons                      | ible personnel)                         |
| Ph-650, T-13363 Puerto Rico AMETHOR AND AND DATE OF LOCATION CHART LATTIONS (Geometrical an province and an anticology of the contraction and antico | OPR PROJECT                            |  | . SURVEY NUMBER   | DATUM       |                      |                 |              |                            |   |   |
| Continued   Cont   | 123                                    |  |   | 1           | Querto Ri            | 00              |              | METHOD AND DAT             | E OF LOCATION                                 |   |
| Startion WANF 1500 Khz. Ht=212.   T 57   Startion WANF 1500 Khz. Ht=212.   T   | -                                      |  |   |             | POSITIO              | -  <br>-  <br>- |              | (See instructions          | on reverse sida)                              | CHARTS                                  |
| Southeasterly of Tive.     Ht=199(234)   |  | 9 8 C 8 B C  | ₩OI F   | LATIT       | -noe                 | LONGIT          | JOE          |                            |   | AFFECTED                                |
| K. Southeasterly of two. Ht.=220(243). 17 57 271 66 08 1574. March 7,1970 Aug.1975 902.  K. Southeasterly of five. Ht=199(234). 17 57 271 04.00 " " " " " " " " " " " " " " " " " "  | CHARTING                               | (Record reason for deletion of land<br>Show triangulation station names, p | mark or aid to navigation.<br>where applicable, in parentheses) | ٥           | //<br>D.M. Merers    | /               | .P. Meters   | OFFICE                     | FIELD   |   |
| K.       Southeasterly of five. Ht=199(234).       17 57       01.00/122 - 66 08       12.00   12.0  | FLARE /<br>STACK                       | Northerly of two. Ht   | t.=220(243)   | 1           | 8                    | 0,8             |              | 70E(C)6L19<br>March 7,1970 | F-V-Vis.<br>Aug.1975                          |   |
| X.     Phillips Stack     17 57, 1360     66 08 1596.     705(0)6020     F-3-6-L. m. April,1975     "       Station WAF 1590 Khz. H=212.     17 57 121L     66 08 552     Horch 7,1970     Aug.1975     "  | STACK                                  | Southeasterly of fiv   | Ht=199(234)   | <b>\</b>    | -                    | 80              | 1200.        |                            | H<br>H  | П                                       |
| Station WKF 1590 Khz. Ht=212. 17 57 1214 66 08 18.76 Harch 7,1970 Aug.1975 "    1214   | STACK                                  |  |   | 3           | <del></del>          | 90              | 54.23        | н                          | F-3-6-L<br>April,1975                         |   |
|  | 1                                      | 1590   |   | ·           | <del> </del>         | .80             | 18.76<br>552 | 705(C)6420<br>March 7,1970 | F-V-Vis<br>Aug.1975                           | <b>=</b>                                |
|  |  |  |   |             |                      |                 |              |                            |   |   |
|  |  |  |   |             |                      |                 |              |                            |   |   |
|  |  |  |   |             |                      |                 |              |                            |   |   |
|  |  |  |   |             |                      | I               |              | ·                          |   |   |
| 14   |  |  |   |             |                      |                 |              |                            |   |   |
| 4  |  |  |   |             |                      |                 |              |                            |   | 1                                       |
|  |  |  |   |             |                      |                 | . ——         |                            |   | 4                                       |

T-13363

SHORELINE

December 1, 1977

#### 61. GENERAL STATEMENT:

See Summary, page 6 of this Descriptive Report. The two rocks awash delineated offshore from the town of Barrancas were office identified and located. There is no field confirmation of their existence. The photogrammetric evidence of their existence is not conclusive. However, because there is some indication that they exist the two rocks are retained on the map.

Map T-13364, 1:5,000 scale is completely inscribed in this map. It covers the area between lat.  $17^{\circ}55'30''$ ,  $17^{\circ}57'30''$  and long.  $66^{\circ}09'15''$ ,  $66^{\circ}11'15''$ . All details within that area are delineated on T-13364 only.

#### 62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

No comparison was made. Registered topographic surveys of the area were not available at AMC during final review.

#### 63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with U.S. Geological Survey Quadrangle, Central Aguirre, Puerto Rico, 1:20,000 scale, dated 1970. The marsh area mapped at the shoreline southwest of Barrancas is not visible on the photographs and is not shown on this map. Also the configuration of Arrecife Mareas is depicted differently than it appears on the photographs. (See paragraph 64)

#### 64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with a copy of Final Verified Smoothsheet H-9596 (MI-10-1-76). The area of Arrecife Mareas appears on the photographs to be submerged coral. This feature is shown on the smoothsheet with a reef awash symbol and its shape is noticably different than its photogrammetric image reveals it to be.

The photographs used to delineate Arrecife Mareas on the map (70E(C) 6253 - 6255) are relatively free of glare and have good resolution. The entire feature was delineated by the compiler as it appears on the photographs.

Coral ledge awash as shown along the shoreline on the smoothsheet is not discernible on the photographs and is not shown on the map. Several areas along the shoreline appear to have vegetation extending offshore. Only an insignificantly narrow band of coral is visible along the shoreline.

#### 65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 25687, 1:20,000 sclae, 5th edition, dated May 7, 1977, and chart 25677, 1:100,000 scale, 13th edition dated December 13, 1975. Three new landmarks were identified by the field editor north of Las Mareas.

#### 66. ABEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by:

q.d. Sihond

A. L. Shands Final Reviewer

Approved for forwarding:

Joseph W. Vonasek

Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Div.