

original

TP-00146

TP-00146

|   |
|---|
| NOAA FORM 76-35   |
| U.S. DEPARTMENT OF COMMERCE<br>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION<br>NATIONAL OCEAN SURVEY |
| DESCRIPTIVE REPORT  |
| Type of Survey .... Coastal Boundary .....  |
| Job No. .PH-6910..... Map No. TP-00146..  |
| Classification No. Final Edition No. ...1.....  |
| Field edited map  |
| LOCALITY  |
| State ...Florida.....   |
| General Locality ...Brevard County.....   |
| Locality .Malabar to Grant.....   |
| .....   |
| 19 69 TO 1970   |
| REGISTRY IN ARCHIVES  |
| DATE .....  |

|  |  |   |  |
|--|--|---|--|
| NOAA FORM 76-36A<br>(3-72)   |  | U. S. DEPARTMENT OF COMMERCE<br>NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.   |  |
| <b>DESCRIPTIVE REPORT - DATA RECORD</b>  |  | TYPE OF SURVEY<br><input checked="" type="checkbox"/> ORIGINAL<br><input type="checkbox"/> RESURVEY<br><input type="checkbox"/> REVISED   |  |
| PHOTOGRAMMETRIC OFFICE<br><br>Rockville, Maryland  |  | SURVEY TP. <u>00146</u><br><br>MAP EDITION NO. (1)<br><br>MAP CLASS Final<br><br>JOB PH- <u>6910</u>  |  |
| OFFICER-IN-CHARGE<br><br>Commander Wesley V. Hull  |  | LAST PRECEDING MAP EDITION<br>TYPE OF SURVEY<br><input type="checkbox"/> ORIGINAL<br><input type="checkbox"/> RESURVEY<br><input type="checkbox"/> REVISED<br><br>JOB PH- _____<br>MAP CLASS _____<br>SURVEY DATES:<br>19__ TO 19__ |  |
| <b>I. INSTRUCTIONS DATED</b>   |  |   |  |
| <b>1. OFFICE</b>   |  | <b>2. FIELD</b>   |  |
| General Instructions-OFFICE-NOS Cooperative Coastal Boundary Mapping, Job PH-7000, June 19, 1973<br>OFFICE-Supplement I, August 19, 1973<br>NOTE: Office and Field Edit Instructions (1973) incorporate applicable prior operational instructions.<br>OFFICE-Supplement II, Sept. 24, 1973 |  | Aerial photography 9/2/69<br>Supplement I, 1/28/70<br>Supplement II, 3/26/70<br>Supplement III, 8/10/72<br>Field Edit (PH-7000-General Instructions for Florida Coastal Zone Mapping) 1973  |  |
| <b>II. DATUMS</b>  |  |   |  |
| 1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN   |  | OTHER (Specify)   |  |
| 2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER<br><input checked="" type="checkbox"/> MEAN LOW-WATER<br><input type="checkbox"/> MEAN LOWER LOW-WATER<br><input type="checkbox"/> MEAN SEA LEVEL   |  | OTHER (Specify)   |  |
| 3. MAP PROJECTION  |  | 4. GRID(S)<br>STATE Florida ZONE East   |  |
| 5. SCALE<br>1:10,000   |  | STATE ZONE  |  |
| <b>III. HISTORY OF OFFICE OPERATIONS</b>   |  |   |  |
| OPERATIONS   |  | NAME  |  |
| 1. AEROTRIANGULATION BY<br>METHOD: Analytic LANDMARKS AND AIDS BY  |  | I.I. Saperstein 12/70<br>Inapplicable   |  |
| 2. CONTROL AND BRIDGE POINTS PLOTTED BY<br>METHOD: Coradomat CHECKED BY  |  | P. Dempsey 1/ 1/71<br>Inapplicable  |  |
| 3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY<br>COMPILATION CHECKED BY<br>INSTRUMENT: B-8<br>SCALE: 1:10,000<br>CONTOURS BY<br>CHECKED BY  |  | J. Richter 4/71<br>J.P. Battley 4/71<br>Inapplicable  |  |
| 4. MANUSCRIPT DELINEATION PLANIMETRY BY<br>Shoreline: Graphic CHECKED BY<br>METHOD: Interior: Orthophoto mosaic<br>SCALE: 1:10,000<br>CONTOURS BY<br>CHECKED BY  |  | M. Webber 4/71<br>J. Richter 4/71<br>Inapplicable   |  |
| 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY  |  | J. Taylor 5/71<br>J. Battley 5/71   |  |
| 6. APPLICATION OF FIELD EDIT DATA BY   |  | J. Battley 5/71<br>J.C. Richter 7/71<br>J. Battley 7/71   |  |
| 7. COMPILATION SECTION REVIEW BY   |  | J.C. Richter 8/71   |  |
| 8. FINAL REVIEW BY   |  | J. Battley 9/71   |  |
| 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY   |  | D. Brant 6/74   |  |
| 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY   |  | R. J. Lala 8-12-74  |  |
| 11. MAP REGISTERED - COASTAL SURVEY SECTION BY   |  | R. J. Lala 8-12-74  |  |

## COMPILATION SOURCES

TP-00146

## 1. COMPILATION PHOTOGRAPHY

|   |   |  |  |
|---|---|--|--|
| CAMERA(S) Wild RC-8<br>E & L 6" focal length  | TYPES OF PHOTOGRAPHY<br>LEGEND<br>(C) <u>COLOR</u><br>(P) PANCHROMATIC<br>(I) <u>INFRARED B&amp;W</u> | TIME REFERENCE                             |  |
| TIDE STAGE REFERENCE<br><input type="checkbox"/> PREDICTED TIDES<br><input type="checkbox"/> REFERENCE STATION RECORDS<br><input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY |   | ZONE<br>Eastern<br>MERIDIAN<br>60th & 75th | <input checked="" type="checkbox"/> STANDARD<br><input checked="" type="checkbox"/> DAYLIGHT |

| NUMBER AND TYPE   | DATE    | TIME  | SCALE    | STAGE OF TIDE  |
|-------------------|---------|-------|----------|--|
| 70E(C)5785 - 5788 | 2/10/70 | 13:44 | 1:40,000 | The stage of tide is inapplicable for color photography. |
| 70L6886R-6890R    | 8/14/70 | 17:33 | 1:25,000 | +0.13MHW(1)-0.23MHW(3)                                   |
| 70L6401R-6404R    | 8/12/70 | 11:16 | 1:25,000 | -0.08MLW(2)  |
| 70L8924R-8928R    | 2/10/70 | 12:08 | 1:20,000 | +0.15MHW(3)  |
| 69L3371R-3374R    | 8/23/69 | 10:18 | 1:20,000 | -0.31MHW(3)  |

REMARKS (1) Canova Beach Tide Station (2) Vero Beach Tide Station  
(3) Sebastian Indian River Tide Station

## 2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the mean high-water line is the tide-coordinated black and white infrared photography listed in item 1. Foreshore profiles verified the mean high-water line along the Atlantic shore. The shoreline was field edited in 1971.

## 3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

The source of the mean low-water line (Atlantic shore) is the tide coordinated black and white infrared photography listed in item 1. Foreshore profiles determined by the field edit of 1971 verified the mean low-water line on the photographs. There is no mean low-water line shown in the Indian River.

## 4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

| SURVEY NUMBER | DATE(S) | SURVEY COPY USED | SURVEY NUMBER | DATE(S) | SURVEY COPY USED |
|---------------|---------|------------------|---------------|---------|------------------|
| Inapplicable  |         |                  |               |         |                  |

## 5. FINAL JUNCTIONS

|                   |                  |                   |                                 |
|-------------------|------------------|-------------------|---------------------------------|
| NORTH<br>TP-00145 | EAST<br>TP-00147 | SOUTH<br>TP-00148 | WEST<br>No contemporary survey. |
|-------------------|------------------|-------------------|---------------------------------|

## REMARKS

Final junctions were made in the Coastal Mapping Section.

TP-00146

## HISTORY OF FIELD OPERATIONS.

I. ☒ FIELD INSPECTION OPERATION \* See below ☒ FIELD EDIT OPERATION.

| OPERATION                           | NAME   | DATE |
|-------------------------------------|--|------|
| 1. CHIEF OF FIELD PARTY             | W.H. Shearouse   | 5/71 |
| 2. HORIZONTAL CONTROL               | RECOVERED BY W.H. Shearouse  | 5/71 |
|                                     | ESTABLISHED BY Inapplicable  |      |
|                                     | PRE-MARKED OR IDENTIFIED BY Inapplicable   |      |
| 3. VERTICAL CONTROL                 | RECOVERED BY W.H. Shearouse  | 5/71 |
|                                     | ESTABLISHED BY Inapplicable  |      |
|                                     | PRE-MARKED OR IDENTIFIED BY W.H. Shearouse   | 5/71 |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED (Triangulation Stations) BY None   |      |
|                                     | LOCATED (Field Methods) BY W.H. Shearouse  | 5/71 |
|                                     | IDENTIFIED BY None   |      |
| 5. GEOGRAPHIC NAMES INVESTIGATION   | TYPE OF INVESTIGATION<br><input type="checkbox"/> COMPLETE<br><input checked="" type="checkbox"/> SPECIFIC NAMES ONLY BY W.H. Shearouse<br><input type="checkbox"/> NO INVESTIGATION | 5/71 |
| 6. PHOTO INSPECTION                 | CLARIFICATION OF DETAILS BY W.H. Shearouse   | 5/71 |
| 7. BOUNDARIES AND LIMITS            | SURVEYED OR IDENTIFIED BY N.A.   |      |

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED  
None

2. VERTICAL CONTROL IDENTIFIED

| PHOTO NUMBER | STATION NAME                                      | PHOTO NUMBER | STATION DESIGNATION                  |
|--------------|---|--------------|--------------------------------------|
|              | Refer to the Field Report bound with this report. | 5787         | K304, SHORT 2, RM3, R171, G229, Y227 |
|              |   | 5786         | L304, M304, X227, W227               |
|              |   | 5785         | V227, J33                            |
|              | To be plotted by G.P.                             |              | VALKARIA, ROCK, GRANT, BORE          |

3. PHOTO NUMBERS (Clarification of details)

5785, 5786, 5787

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

No landmarks. Aids to navigation are plotted on Field Edit Sheet No.2.

| PHOTO NUMBER | OBJECT NAME | PHOTO NUMBER | OBJECT NAME |
|--------------|-------------|--------------|-------------|
|              |             |              |             |
|              |             |              |             |
|              |             |              |             |

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE7. SUPPLEMENTAL MAPS AND PLANS  
None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

\*Refer to the Field Report bound with this report.

Sketchbook No.2, 1 sheet of graphic sextant fixes.

## RECORD OF SURVEY USE

TP-00146

## I. MANUSCRIPT COPIES

| COMPILATION STAGES  |      |         | DATE MANUSCRIPT FORWARDED |               |
|---|------|---------|---------------------------|---------------|
| DATA COMPILED   | DATE | REMARKS | MARINE CHARTS             | HYDRO SUPPORT |
| No map copies furnished for Nautical Chart use prior to final review. |      |         |                           |               |
|   |      |         |                           |               |
|   |      |         |                           |               |
|   |      |         |                           |               |

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

| NUMBER | CHART LETTER<br>NUMBER ASSIGNED | DATE<br>FORWARDED | REMARKS  |
|--------|---------------------------------|-------------------|--|
| 1      | 769 74                          | 6/28/74           | Final - One report was submitted for map TP00146 |
|        |                                 |                   |  |
|        |                                 |                   |  |
|        |                                 |                   |  |
|        |                                 |                   |  |
|        |                                 |                   |  |

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 6/28/74  
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 NOS 567 SUBMITTED BY FIELD PARTIES.  
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
ACCOUNT FOR EXCEPTIONS:  
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: \_\_\_\_\_

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

|                   |                                 |                          |   |
|-------------------|---------------------------------|--------------------------|---|
| SECOND<br>EDITION | SURVEY NUMBER<br>TP - _____ (2) | JOB NUMBER<br>PH - _____ | TYPE OF SURVEY<br><input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY<br>MAP CLASS<br><input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
|                   | DATE OF PHOTOGRAPHY             | DATE OF FIELD EDIT       |   |
| THIRD<br>EDITION  | SURVEY NUMBER<br>TP - _____ (3) | JOB NUMBER<br>PH - _____ | TYPE OF SURVEY<br><input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY<br>MAP CLASS<br><input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
|                   | DATE OF PHOTOGRAPHY             | DATE OF FIELD EDIT       |   |
| FOURTH<br>EDITION | SURVEY NUMBER<br>TP - _____ (4) | JOB NUMBER<br>PH - _____ | TYPE OF SURVEY<br><input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY<br>MAP CLASS<br><input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
|                   | DATE OF PHOTOGRAPHY             | DATE OF FIELD EDIT       |   |

Record of Decisions  
Pertaining to Symbolization of the MHW and MLW Datums  
Map TP-00146

Shoreline Delineation

The mean low-water and mean high-water tidal datums were determined along the outer coast (Atlantic Ocean) based on tide observations at Canova Beach Tide Station (north of this map) and Vero Beach Tide Station (south of this map). The interior water areas shown on this map are Indian River and Mullet Creek.

The tidal datums in Indian River and Mullet Creek were established by observations at Palm Bay Tide Station (north of this map) and Micco Tide Station (south of this map). Since the mean range at those stations was approximately 0.2 foot, the standard mean high-water line symbolization was used for delineating the Indian River and Mullet Creek mean high-water lines, except for areas where vegetation, such as mangrove, obscured the shoreline, and then the apparent shoreline symbol was used. The mean low-water line was not mapped in these interior waters because Federal/State boundary problems are not applicable to those waters and for charting purposes, the lines would be synonymous because of the map scale and slope of the beach.

\* Decision Responsibility for Shoreline Symbolization

Specific decisions as to where the various symbols would be used for mapping the mean high-water line, apparent shoreline, etc., were made November 22, 1972, in Rockville, Maryland, by competent technical and legal officials of NOS and NOAA. NOS was officially represented by Cdr. Wesley V. Hull, Chief, Coastal Mapping Division, and Mr. Carroll I. Thurlow, Chief, Tidal Datum Planes Section of the Oceanographic Division. The official NOAA representative was Mr. Carl Johnson, Staff Attorney, Office of General Counsel.

They also examined photographs and field edit reports with respect to inland penetration of small streams and drainages and concluded that those features were properly delineated and symbolized on the map.

Archiving

A copy of this report shall be included in Descriptive Report TP-00146 which will be permanently filed in the NOS Archives.

\* See Review Report for clarification of date.



Sheet No. - Area Sq. Ml.

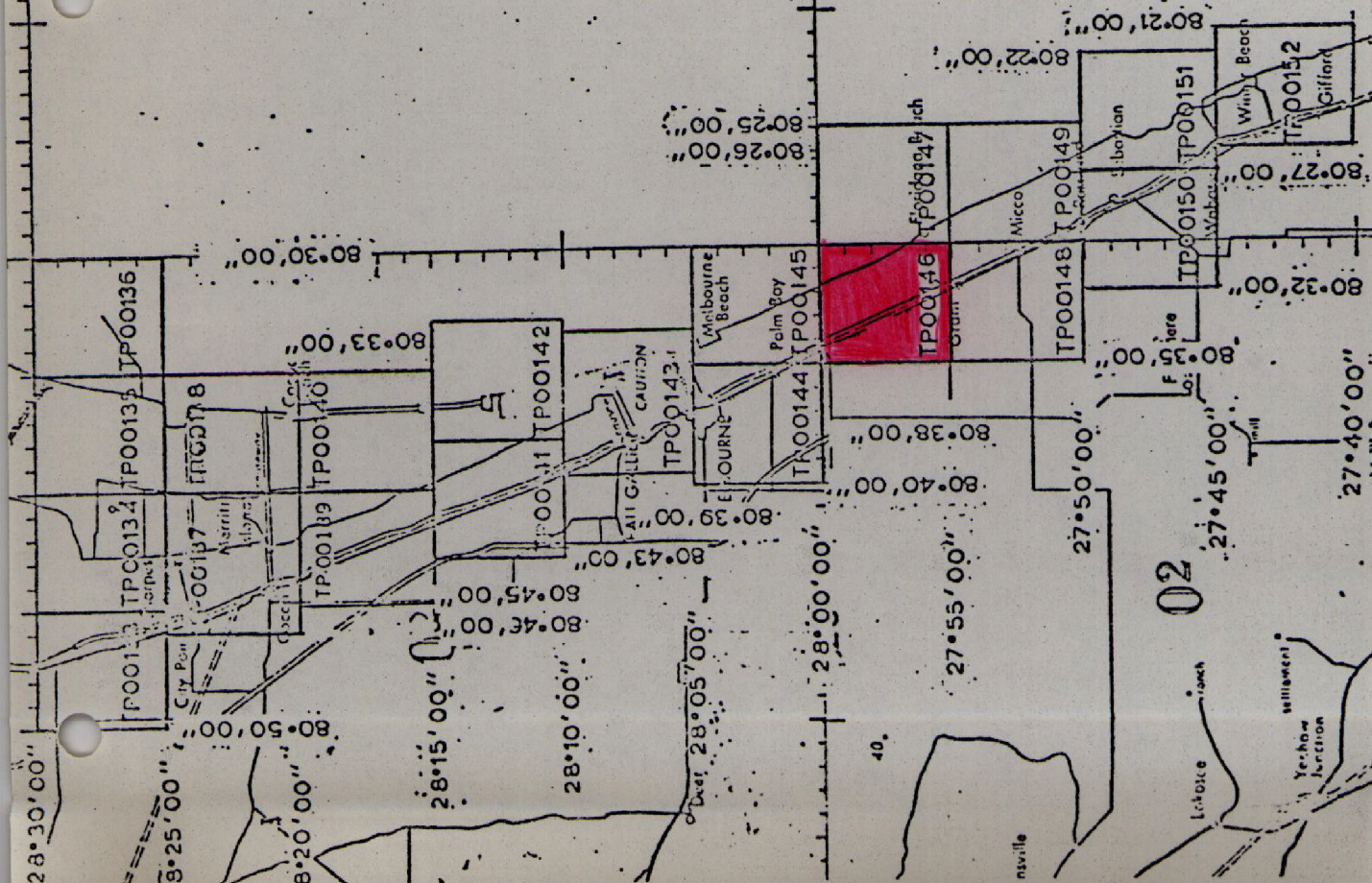
TP-00133 00134 00135 00136 00137 00138 00139 00140 00141 00142 00143 00144 00145 00146 00147 00148 00149 00150 00151 00152

JOB PH-6910

# PART 1

CAPE KENNEDY TO JUPITER INLET  
FLORIDA

SHORELINE MAPPING  
SCALE 10,000





SUMMARY  
TP-00133 thru TP-00152

Coastal Zone Map TP-00146 is one of twenty (20) similar maps in project PH-6910, Part I. The layout of sheets (page 6 of this report) will show its location. These maps are intended for planning purposes by the State of Florida and for the compilation of NOS Nautical Charts.

The area is covered by aerial photography taken in 1969 and 1970 on color and black and white infrared film. The infrared film was tide coordinated.

Field operations consisted of the establishment of tidal datums, control recovery, pre-marking of control, and field edit. Data for the compilation of tide stations and tidal bench marks were furnished by the Tidal Datum Planes Section. Condensed descriptions of both tidal and geodetic bench marks shown on this map were furnished by the Coastal Surveys Section.

Horizontal control was extended by analytical aerotriangulation methods using the stereo comparator. This provided control for the orthophoto mosaic and compilation.

Shoreline and alongshore features were compiled from tide-coordinated black and white infrared photography using a stereo plotter and graphic methods. The interior of the maps are depicted by an orthophoto mosaic.

All line work is scribed, approved symbols are shown in the marginal data.

Explanatory notes relating to datum determinations approved by a special ad hoc committee are shown on the reverse side of the maps.

All maps are published by the NOS and were printed in three colors by the Reproduction Division. A special registration copy was prepared to meet the requirements for Nautical Charts. This registration copy shows additional offshore details not shown on the published map and will be noted "Registration Copy" under the title block.



The following items will be registered in the Bureau Archives:

1. A plastic copy of the published map (1:10,000 scale).
2. A stable base positive of the registration copy (1:10,000 scale).
3. The Descriptive Report.

All negatives will be filed with the Reproduction Division.

All field data such as Forms 152, field edit photographs, profiles, field edit ozalids, etc., are filed in the Federal Records Center.

FIELD REPORT  
PREMARKING HORIZONTAL CONTROL  
JOB PH-6910, CAPE KENNEDY TO JUPITER INLET, FLORIDA

In accordance with Instructions - FIELD - Supplement I, Job PH-6910; Coastal Boundary Mapping, Cape Kennedy to Jupiter Inlet, Florida, twenty-two horizontal control stations were recovered and paneled in accordance with practices in use at this time. All stations were premarked for 1:40,000 scale photography.

White polyethylene plastic sheeting was used for all but 2 stations. Sketches on the CSI cards show the pattern used in each instance but most stations were paneled with a 5-ft. square target placed directly over the station mark and 3 runner-type wing panels 3.5/4' X 20' approximating 120° angles around the square.

TRIPOD 3, 1963 and WHITE 2, 1966 were premarked with black plastic, the center panel being 10' X 10' and the wing panels 8' X 20'. The ground surface at these 2 locations was considered too white for the white targets to be seen, hence the use of black material.

In addition to the sketches shown on the CSI cards the station locations have been spotted on USGS Quadrangle maps which are transmitted as part of the job data.

A recap, showing the stations as numbered on the job control diagram, the TP-map number and the quadrangle map on which it falls, follows:

| STATION<br>No. | NAME            | MAP NO.       | USGS QUADRANGLE |
|----------------|-----------------|---------------|-----------------|
| 1              | CENTRAL         | 1950 TP-00136 | CAPE CANAVERAL  |
| 2              | ARTESIA         | 1953 "        | " "             |
| 3              | POSE            | 1966 TP-00138 | COCCA BEACH     |
| 4              | MUNSON          | 1940 TP-00139 | " "             |
| 5              | PATRICK N. BASE | 1960 TP-00140 | " "             |
| 6              | TRIPOD 3        | 1963 TP-00142 | TROPIC          |
| 7              | COLLEGE 2       | 1934 TP-00143 | "               |
| 8              | TURKEY CREEK    | 1934 TP-00144 | MELBOURNE EAST  |
| 9              | VALKARIA        | 1966 TP-00146 | GRANT           |
| 10             | SLIP 2          | 1934 TP-00149 | SEBASTIAN NW    |
| 11             | SEBASTIAN 2     | 1934 TP-00150 | SEBASTIAN       |
| 12             | SCORPION 2      | 1961 TP-00153 | VERO BEACH      |
| 13             | RICMAR 2        | 1960 TP-00154 | INDRIO          |
| 14             | PIERCE 2        | 1963 TP-00155 | FORT PIERCE     |
| 15             | WHITE 2         | 1966 TP-00156 | " "             |

| STATION<br>NO. | NAME            |      | MAP NO.              | USGS QUADRANGLE |
|----------------|-----------------|------|----------------------|-----------------|
| 16             | WALTON          | 1930 | TP-00157             | ANKONA          |
| 17             | REFUGE 2 RM # 4 | 1967 | TP-00160             | ST. LUCIE INLET |
| 18             | SEWALL          | 1934 | TP-00159             | " " "           |
| 19             | PINE            | 1929 | TP-00162             | GOVEZ           |
| 20             | CISTERN         | 1956 | TP-00163             | HOEE SOUND      |
| 21             | RADAR           | 1954 | TP-00164             | JUPITER         |
| 22             | GOLF RM # 1     | 1934 | South of<br>TP-00164 | RIVIERA BEACH   |

Targets were visited after photography and found to be in good condition. No center panels were damaged except GOLF RM 1 and it was only slightly torn on its north edge. Images of all targets should be visible on the photographs.

Submitted 2/24/70

*William H. Shearouse*

William H. Shearouse  
Chief, Photo Party 60

Photogrammetric Plot Report  
Cape Kennedy to Jupiter Inlet, Florida (Part 1)  
Job PH-6910  
April, 1971

21. Area Covered

This report covers the area south from Cape Kennedy to an area about eight miles north of Fort Pierce Inlet. The job consists of twenty one (21) 1:10,000 scale sheets, TP-00133 thru TP-00153.

22. Method

Six (6) strips of photographs were bridged using analytical aerotriangulation methods. Strip 23 proved inadequate for bridging. Strip 23A, therefore, was flown at a later date farther west in order to include more land area to strengthen the photogrammetry. A cross flight, 24, was also flown at this time to include the cape area. Ties were made between strips. Points were located to rectify the photographs for mosaics. In addition, points were located to ratio high and low water photography. The attached sketch of the strips bridged shows the placement of triangulation used in the final strip adjustment. Closures to control have been shown on the readouts. All bridge points have been plotted on the Coradimat on Florida East Zone plane coordinates.

23. Adequacy of Control

Horizontal control that fell on strips 21A, 22, 25, and 26 was premarked. Strips 23A and 24 were flown at a later date, and all control that fell on these two strips were transferred from the earlier pre-marked photography. It is noted that stations SCORPOIN 2, 1961 and RIOMAR 2, 1960 (terminal for Strip 26) do not appear on the attached sketch, as these stations are on or south of TP-00153. The control was adequate for bridging all strips.

25. Photography

All photography the subject of this report is 1:40,000 scale color as follows:

Strip 21A -- 69-E(C)-4247 thru 4261  
Strip 22 -- 69-E(C)-4185 thru 4194


Strip 23A -- 70-L(C)-9991A thru 004A  
Strip 24 -- 70-L(C)-007A thru 015A  
Strip 25 -- ~~7069~~ 70-E(C)-5760 thru 5768  
Strip 26 --- 70-E(C)-5772 thru 5794

The definition and quality of the photography were good.

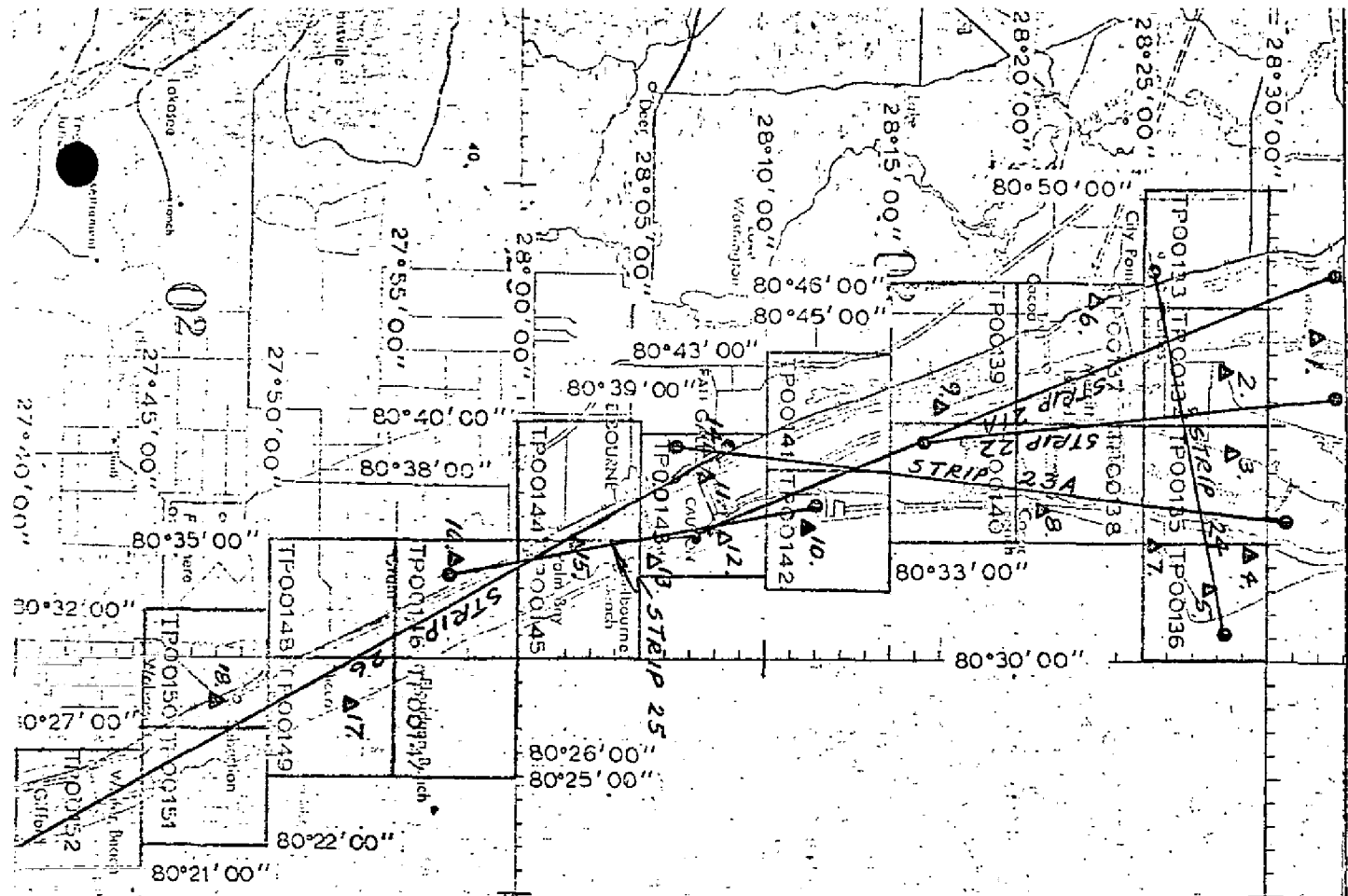
Respectfully submitted:

  
I. I. Saperstein

Approved and forwarded:

  
Henry P. Eichert, Chief  
Aerotriangulation Section





- Control
1. Moore RM 3, 1963
  2. Courtenay, 1953
  3. Paxton, 1960
  4. Central, 1950
  5. Cape Canaveral L.H. Center, 1934
  6. Cocoa City 2, 1957
  7. Artesia, 1953
  8. Pose, 1966
  9. Munson, 1940
  10. Tripod 3, 1963
  11. College 2, 1906
  12. Canova Beach Melbourne Munic. W.T. 1960
  13. Indialantic Melbourne E. Munic. W.T. 1960
  14. Eau Gallie Munic. W.T. Center, 1934
  15. Turkey Creek, 1934
  16. Slip 2, 1934
  17. Sebastian 2, 1934

▲ Horizontal control used in adjustment  
 ▲ Horizontal control used as check  
 ● 1:40,000 scale color photography

JO13 PH-6910

PART 1

CAPE KENNEDY TO JUPITER INLET  
 FLORIDA

SHORELINE MAPPING

## FLORIDA- NOAA Coastal Boundary Mapping Program

Horizontal Control

Map TP- 00146

| Station                 | NOS Geodetic Data Reference for<br>Description, Positions, Coordinates<br>and Azimuths |
|-------------------------|--|
| SHORT 3, 1948           | Book 420, pp. 20, 21, G.P. Fla. Vol. 1,<br>p. 179, P.C. Fla. E. zone, p. 18.           |
| HOG, 1930               | Book 420, pp. 3, 21, G.P. Fla. Vol. 1,<br>p. 705, P.C. Fla. E. zone, p. 157.           |
| ROCK, 1906              | Book 420, pp. 3, 4, G.P. Fla. Vol. 1,<br>p. 153, P.C. Fla. E. zone, p. 18.             |
| SMITH, 1930             | Book 420, pp. 4, 22, G.P. Fla. Vol. 1,<br>p. 154, P.C. Fla. E. zone, p. 19.            |
| BORE CEN. TRAV.<br>1962 | Write Director, National Geodetic Survey   |
| VALKARIA, 1960          | " " " " "  |
| GRANT, 1930             | Book 420, pp. 5, 22, G.P. Fla. Vol. 1,<br>p. 154, P.C. Fla. E. zone, p. 19.            |

## FLORIDA - NOAA Coastal Boundary Mapping Program

Vertical Control - Geodetic

Map TP- 00146

| Geodetic<br>Bench Mark | Elevations (feet) | Condensed Description  |
|------------------------|-------------------|--|
|                        | SLD<br>1929       |  |
| K 304                  | 15.358            | C&GS disk stamped K 304 1970; 31 ft. W road centerline, 23 ft. NE of brick pillar, 1.5 ft. N of pole.                  |
| SHORT 2                | 19.258            | C&GS disk stamped SHORT 2 NO 3 1934; 26 ft. W road centerline, 63 ft. N power pole.                                    |
| L 304                  | 13.317            | C&GS disk stamped L 304 1970; 110 ft. N Sea Dunes Drive, 30 ft. W road centerline, 1.5 ft. N concrete power pole.      |
| M 304                  | 12.966            | C&GS disk stamped M 304 1970; 33 ft. W road centerline, 25 ft. S Ibis Drive centerline.                                |
| R 171                  | 11.880            | C&GS disk stamped R 171 1959; 68 ft. W centerline S-bound lane, 28 ft. E of E rail.                                    |
| G 229                  | 6.601             | C&GS disk stamped G 229 1965; in top SW end of NW concrete abutment of Goat Creek bridge.                              |
| ROCK                   | 4.797             | C&GS disk stamped ROCK 1906; 53 ft. NW of palm, 1.2 ft. W of metal witness post.                                       |
| Y 227                  | 25.617            | G&GS disk stamped Y 227 1965; 49 ft. E of drive centerline; 17 ft. N of N edge runway, 1.5 ft. N of telephone pole 19. |
| VALKARIA               | 23.629            | C&GS disk stamped VALKARIA 1960; 101 ft. SE of SE corner bldg. 0001A, 63 ft. S of SW corner bldg. 0001B.               |
| BORE                   | 23.474            | C&GS disk stamped BORE CENT TRAV 1962; 14 ft. SE of SE corner of fence, 5 ft. E centerline of dirve extended.          |
| X 227                  | 3.819             | C&GS disk stamped X 227 1965; on N end of E headwall at Kid Creek, 38 ft. E centerline N-bound lane.                   |

## FLORIDA -- NOAA Coastal Boundary Mapping Program

Vertical Control -- Geodetic

Map TP- 00146

| Geodetic<br>Bench Mark | Elevations (feet) | Condensed Description   |
|------------------------|-------------------|---|
|                        | SLD<br>1929       |   |
| W 227                  | 4.619             | C&GS disk stamped W 227 1965; on SE end NE headwall, 35 ft. W centerline S-bound lane.                                |
| V 227                  | 3.799             | C&GS disk stamped V 227 1965; on E head-wall, 56 ft. E centerline N-bound lane.                                       |
| J 33                   | 7.536             | C&GS disk stamped J 33 1933 7.536; 31 ft. N road centerline, 11.2 ft. E of E rail, 17 ft. N of crossing signal light. |
| GRANT                  | 2.628             | C&GS disk stamped GRANT 1930 1934; 62 ft. W of HWL, 5 ft. N of 24-inch palm, 1.6 ft. NW of wooden witness post.       |

Compilation Report  
TP-00146

31. Delineation

The land area of this map is shown by an orthophoto mosaic. The orthophoto mosaic was assembled with black and white rectified prints from the color photography. The rectified prints and mosaic were controlled by points determined by aerotriangulation.

The tidal datum lines and any offshore features on this map were compiled from office interpreted tide coordinated black and white infrared photography. The rectified color photography was used as an aid for interpreting culture features and compiling the limits of shallow and shoal areas for Nautical Charts. The tide coordinated black and white infrared photography was controlled by common planimetric features and map points determined by aerotriangulation.

32. Horizontal Control

Refer to the Photogrammetric Plot Report which is a part of this Descriptive Report.

33. Supplemental Data - None.

34. Contours and Drainage

Contours are inapplicable. Drainage is shown by the orthophoto mosaic.

35. Shoreline and Alongshore Detail

The mean high-water line was mapped along the Atlantic shore and in the interior waters of the Indian River and Mullet Creek. Where the shoreline is obscured by vegetation the apparent shoreline symbol was used.

The mean low-water line (Atlantic shore) was not mapped because of surf conditions on the photography. Foreshore profiles are requested to verify the interpretation of the mean low-water line on the tide coordinated black and white photography.

No mean low-water line was mapped in the interior waters of the Indian River (refer to the Record of Decisions).

The photography was adequate.

36. Offshore Details

The spoil banks are subject to continual change in size and position.



37. Landmarks and Aids to Navigation

The images of charted objects visible on the photography were compiled during compilation. Chartist objects which were not visible on the photography were called to the attention of the field editor.

38. Control for Future Surveys - None.

39. Junctions

Refer to Form 76-36B (Data Record).

40. Horizontal Accuracy

This map complies with the accuracy requirements for the Florida Coastal Zone Mapping Program as outlined by the project instructions for Job PH-7000.

41. thru 45. Inapplicable

46. Comparison with Existing Maps

Comparison was made with USGS quadrangle Grant, Fla., scale 1:24,000 edition of 1951, contour interval 5 feet.

No significant differences were noted.

47. Comparison with Nautical Charts

Comparison was made with nautical chart No. 845-SC, scale 1:40,000 9th edition, July 25, 1970, corrected to August 29, 1970.

No significant differences were noted.

Items to be Applied to Nautical Charts Immediately - None.

Items to be Carried Forward - None.

Respectfully submitted

*John C. Richter*

John C. Richter  
Carto(Photo)

Approved and forwarded:

*K.N. Maki*

K.N. Maki  
Chief

Field Edit Report, Map TP-00146, Job PH-6910

51. METHODS

The shoreline of Indian River was verified visually from a small boat while cruising just offshore. The west shore is practically all solid or "fast" land and properly delineated with a heavy-weight line. There is a narrow fringe of grass-in-water along some of the shore but is too narrow to depict.

Mangrove is found along the east shore, particularly the south half, and this should be delineated with a light-weight line. Notes will be found on the photographs and FIELD EDIT SHEET NO. 1 which will serve as a guide.

There are no landmarks.

A sextant fix was taken at each daybeacon. They are plotted on FIELD EDIT SHEET NO. 2 and Form 76-40 prepared where the position is different from that shown on the map compilation. In addition, fixes were taken at quite a few piles. They are shown ON F. E. SHEET NO. 2 with a small circle and labelled "pile". This area is intensely used for oyster bed cultivation and the leases are marked by objects from sticks to 6-inch piling. An attempt was made to locate the piles considered substantial, for marking outer limits of the leases, or those that are near navigable water for sizeable boats. Otherwise several notes were placed indicating that the leased areas are marked by stakes. It is recommended that a suitable note be applied to the map in these locations.

Geodetic bench marks were recovered and identified on the ratio photographs. Forms 685A are submitted.

All triangulation stations were searched for and reported on Form 526.

Field edit notes will be found on the ratio photographs, the Discrepancy Print and FIELD EDIT SHEETS 1 and 2.

52. ADEQUACY OF COMPILATION

Adequate after application of field edit information.

53. MAP ACCURACY

No tests were specified.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

56. GEOGRAPHIC NAMES

The VALKARIA NAVAL AIR STATION is now named the USAF TRACKING ANNEX.

No other name discrepancies came to light during the course of the work.

Submitted 6/3/71

*William H. Shearouse*

William H. Shearouse  
Chief, Photo Party 60

Remarks: TP-00146

Foreshore profiles verified the tidal datum lines on the tide coordinated black and white photography.

Review Report TP-00146  
Coastal Zone Map  
June 1974

61. General

This map was reviewed in the Coastal Mapping Section prior to its proof stage.

The proof copy of this map was examined by the Quality Control Group. During this examination any corrections to the compilation were noted and returned to the Coastal Mapping Section for application to the map.

The following major parts in the preparation of this map have been examined by the Quality Control Group and are adequate:

1. Field operations
2. Extension of control
3. Compilation
4. Descriptive Report

The shoreline on this map was symbolized in accordance with ongoing decisions set forth by officials of the National Ocean Survey. These decisions, however, were formalized and documented at the later date reflected in the Record of Decisions.

62. Registration Copy

A special Registration Copy of this map was prepared for Marine Chart use and checked by the Coastal Mapping Section. This Registration Copy shows additional offshore information (such as "shallow" and "shoal" areas) not shown on the published map.

63. thru 64. Inapplicable.

65. Cartographic Comparison

A comparison was made with USGS quadrangle Grant, Fla., 1949, photorevised 1970, scale 1:24,000.

No significant differences were noted.

A comparison was made with Nautical Chart 845-SC, 12th edition, dated September 8, 1973, scale 1:40,000.

The following differences were noted:



1. The published map and Registration Copy shows a sizeable outline of piling at latitude 28°57.3' and longitude 80°31'. These piling are not shown on Nautical Chart 845-SC.

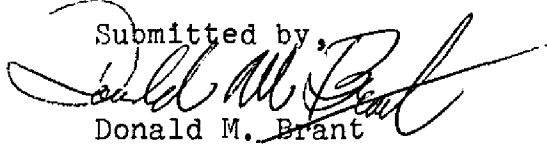
2. The Registration Copy of this map shows a shallow line around the spoil banks. Chart 845-SC shows a low-water line. Refer to the Record of Decisions for an explanation about the mean low-water line in the interior waters of the Indian River.

3. Numerous differences in piers and pier ruins were noted along the west shore of the Indian River. These features on Map TP-00146 were compiled from 1970 color photography. The field editor made no reference to the existence or nonexistence of ruins for those charted piers which are not shown on the new map.

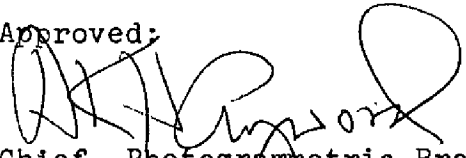
66. Adequacy of Results and Future Surveys


Coastal Zone Map TP-00145 complies with project instructions for NOS Cooperative Mapping, Job PH-7000. This map meets the National Map Accuracy Standards.

Submitted by,

  
Donald M. Brant

Approved:

  
Chief, Photogrammetric Branch

  
Chief, Coastal Mapping Division

June 12, 1974

GEOGRAPHIC NAMES

FINAL NAMES SHEET

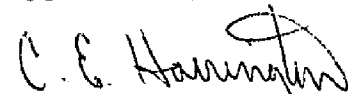
PH-6910 N(Florida)

TP-00146

Atlantic Ocean  
Big Snag Island  
East Channel  
Florida East Coast RR  
Floridana Beach  
Gibbs Point  
Goat Creek  
Grant  
Grant Farm Island  
Hog Point  
Hog Point Cove  
Hog Point Creek  
Indian River  
Kid Creek  
Little Snag Island  
Malabar  
Melbourne Shores  
Middle Banks  
Middle Gap  
Mullet Creek  
North Rocky Point  
Pams Cove

Rock Point  
South Snag Harbor  
Snag Harbor  
Trout Creek  
Valkaria  
Valkaria Airfield  
Washburn Cove

Approved by:



C. E. Harrington  
Staff Geographer

[illegible]

| RESPONSIBLE PERSONNEL   |  |
|---|--|
| TYPE OF ACTION  | TITLE  |
| 1. Objects inspected from seaward   | William Shearouse<br>FIELD INSPECTOR <input type="checkbox"/> FIELD EDITOR <input checked="" type="checkbox"/>   |
| 2. Positions determined and/or verified   | William Shearouse<br>FIELD INSPECTOR   |
| 3. Forms originated by Quality Control and Review Group and final review activities | John Richter<br>Copy checked after typing<br>D. Brant<br>FIELD EDITOR<br>COMPILER<br>REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE <input checked="" type="checkbox"/> |

### INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

NOTE: 'Photogrammetric Positions' are dependent entirely, or in part, upon control established by photogrammetric methods.  
'Field Positions' are determined by field observations based entirely upon ground control.

### COLUMN TITLE

### COMPILATION

Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.

### FIELD INSPECTION AND FIELD EDIT

1. New Position Determined—Enter the applicable data by symbols as indicated below:

|                  |                     |
|------------------|---------------------|
| F — Field        | P — Photogrammetric |
| 1. Triangulation | 1. Field identified |
| 2. Traverse      | 2. Theodolite       |
| 3. Intersection  | 3. Planetable       |
| 4. Resection     | 4. Sextant          |
| a. Theodolite    |                     |
| b. Planetable    |                     |
| c. Sextant       |                     |

### EXAMPLES:

F. 3.c

P. 2

Immediately beneath the data described above, enter the following:

- For 'Field Positions' enter the date of location.
- For 'Photogrammetric Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

2. Triangulation Station Recovered — Enter 'Triang. Rec. mo/day/yr.'

3. Position Verified — Enter 'Verif. mo/day/yr.'

| NOAA FORM 76-40<br>(2-71)<br>PRESCRIBED BY<br>PHOTOGRAMMETRY INSTRUCTION NO. 64.             |  |  |    |    |       |    |    |        |  | U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  |  |  |  |  |                           |        |  |  |  |
|--|--|--|----|----|-------|----|----|--------|--|--|--|--|--|--|---------------------------|--------|--|--|--|
| NONFLOATING AIDS OR LANDMARKS FOR CHARTS   |  |  |    |    |       |    |    |        |  | ORIGINATING ACTIVITY   |  |  |  |  |                           |        |  |  |  |
| <input checked="" type="checkbox"/> TO BE CHARTED<br><input type="checkbox"/> TO BE DELETED  |  |  |    |    |       |    |    |        |  | <input type="checkbox"/> FIELD INSPECTION<br><input type="checkbox"/> FIELD EDIT<br><input type="checkbox"/> COMPILATION<br><input type="checkbox"/> FINAL REVIEW<br><input checked="" type="checkbox"/> QUALITY CONTROL AND REVIEW<br>(See reverse for responsible personnel) |  |  |  |  |                           |        |  |  |  |
| ORIGINATING LOCATION<br>Rockville, Maryland<br>DATE<br>6/12/74                               |  |  |    |    |       |    |    |        |  | METHOD AND DATE OF LOCATION<br>(See instructions on reverse of this form)  |  |  |  |  |                           |        |  |  |  |
| JOB NUMBER<br>PH-6910<br>STATE: Florida<br>SURVEY NUMBER<br>T-TP-00146<br>DATUM<br>N.A. 1027 |  |  |    |    |       |    |    |        |  | POSITION<br>LATITUDE<br>LONGITUDE<br>D.P. METERS<br>D.P. METERS  |  |  |  |  |                           |        |  |  |  |
| CHARTING NAME<br>DESCRIPTION   |  |  |    |    |       |    |    |        |  | FIELD INSPECTION<br>COMPILATION<br>FIELD EDIT  |  |  |  |  |                           |        |  |  |  |
| LIGHT 28   |  |  | 27 | 57 | 32.62 | 80 | 31 | 59.42  |  |  |  |  |  |  | P.4 Verif.<br>5/21/71     | 845-SC |  |  |  |
| DYBN 29  |  |  | 27 | 57 | 29.11 | 80 | 31 | 1624.3 |  |  |  |  |  |  | P.4<br>5/21/71<br>70E5786 | "      |  |  |  |
| DYBN 31  |  |  | 27 | 57 | 8.97  | 80 | 31 | 45.14  |  |  |  |  |  |  | "                         | "      |  |  |  |
| DYBN 32  |  |  | 27 | 56 | 47.20 | 80 | 31 | 36.58  |  |  |  |  |  |  | P.4 Verif.<br>5/21/71     | "      |  |  |  |
| LIGHT 33   |  |  | 27 | 56 | 43.56 | 80 | 31 | 1000.0 |  |  |  |  |  |  | "                         | "      |  |  |  |
| DYBN 34  |  |  | 27 | 56 | 38.53 | 80 | 31 | 886.5  |  |  |  |  |  |  | P.4<br>5/21/71<br>70E5786 | "      |  |  |  |
| DYBN 35  |  |  | 27 | 56 | 12.90 | 80 | 31 | 26.00  |  |  |  |  |  |  | P.4<br>5/21/71            | "      |  |  |  |
| DYBN 36  |  |  | 27 | 55 | 57.76 | 80 | 31 | 25.16  |  |  |  |  |  |  | P.4<br>5/21/71<br>70E5785 | "      |  |  |  |
| DYBN 37  |  |  | 27 | 55 | 45.06 | 80 | 31 | 20.44  |  |  |  |  |  |  | "                         | "      |  |  |  |
| LIGHT 38   |  |  | 27 | 55 | 39.88 | 80 | 31 | 21.50  |  |  |  |  |  |  | P.4 Verif.<br>5/21/71     | "      |  |  |  |



| RESPONSIBLE PERSONNEL   |   |
|---|---|
| TYPE OF ACTION  | NAME  |
| 1. Objects inspected from seaward   | William Shearouse                                     |
| 2. Positions determined and/or verified   | William Shearouse                                     |
| 3. Forms originated by Quality Control and Review Group and final review activities | John Richter<br>Copy checked after typing<br>D. Brant |

| TITLE   |
|---|
| FIELD INSPECTOR<br><input type="checkbox"/> FIELD EDITOR  |
| FIELD INSPECTOR   |
| FIELD EDITOR  |
| COMPILER  |
| REVIEWER<br><input type="checkbox"/> QUALITY CONTROL AND REVIEW<br><input checked="" type="checkbox"/> GROUP REPRESENTATIVE |

### INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

NOTE: 'Photogrammetric Positions' are dependent entirely, or in part, upon control established by photogrammetric methods.  
'Field Positions' are determined by field observations based entirely upon ground control.

### COLUMN TITLE

### COMPILATION

Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.

### FIELD INSPECTION AND FIELD EDIT

1. New Position Determined—Enter the applicable data by symbols as indicated below:

| F - Field        | P - Photogrammetric | EXAMPLES: |
|------------------|---------------------|-----------|
| 1. Triangulation | 1. Field identified | F. 3.c    |
| 2. Traverse      | 2. Theodolite       | P. 2      |
| 3. Intersection  | 3. Planetable       |           |
| 4. Resection     | 4. Sextant          |           |
| a. Theodolite    |                     |           |
| b. Planetable    |                     |           |
| c. Sextant       |                     |           |

Immediately beneath the data described above, enter the following:

- For 'Field Positions' enter the date of location.
- For 'Photogrammetric Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

2. Triangulation Station Recovered — Enter 'Triang. Rec. mo/day/yr.'

3. Position Verified — Enter 'Verif. mo/day/yr.'

| U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION                              |   |                      |          |           |                |  |             |                           |        |
|--|---|----------------------|----------|-----------|----------------|--|-------------|---------------------------|--------|
| NONFLOATING AIDS OR LANDMARKS FOR CHARTS   |   |                      |          |           |                |  |             |                           |        |
| NOAA FORM 76-40<br>(2-71)<br>PRESCRIBED BY<br>PHOTOGRAMMETRY INSTRUCTION NO. 64.                         |   | ORIGINATING LOCATION |          | DATE      |                | ORIGINATING ACTIVITY   |             |                           |        |
| <input checked="" type="checkbox"/> TO BE CHARTED<br><input type="checkbox"/> TO BE DELETED              |   | Rockville, Maryland  |          | 6/12/74   |                | <input type="checkbox"/> FIELD INSPECTION<br><input type="checkbox"/> FIELD EDIT<br><input type="checkbox"/> COMPILATION<br><input type="checkbox"/> FINAL REVIEW<br><input checked="" type="checkbox"/> QUALITY CONTROL AND REVIEW<br>(See reverse for responsible personnel) |             |                           |        |
| The following objects have (have not) been inspected from seaward to determine their value as landmarks: |   |                      |          |           |                |  |             |                           |        |
| JOB NUMBER   | SURVEY NUMBER   | DATUM                | POSITION |           |                | METHOD AND DATE OF LOCATION<br>(See instructions on reverse of this form)  |             | CHARTS AFFECTED           |        |
| PH- 6910   | T -<br>TP- 00146  | N.A. 1927            | LATITUDE | LONGITUDE |                | FIELD INSPECTION   | COMPILATION | FIELD EDIT                |        |
| CHARTING NAME  | DESCRIPTION   |                      | ° /      | ° /       | D.P. METERS    |  |             |                           |        |
|  | INTRACOASTAL WATERWAY<br>EAU GALLIE-ST LUCIE INLET<br>INDIAN RIVER(SOUTH SECTION) |                      |          |           |                |  |             |                           |        |
| DYBN 20  |   | 27 59                | 31.30    | 80 32     | 29.19          |  |             | P.4 Verif.<br>5/21/71     | 845-SC |
| LIGHT 21   |   | 27 59                | 963.5    | 80 32     | 797.9<br>24.30 |  |             | "                         | "      |
| DYBN 22  |   | 27 59                | 834.0    | 80 32     | 664.0          |  |             | "                         | "      |
| DYBN 23  |   | 27 58                | 21.40    | 80 32     | 25.11          |  |             | "                         | "      |
| DYBN 23A   |   | 27 58                | 658.7    | 80 32     | 686.0          |  |             | P.4<br>5/21/71<br>70E5787 | "      |
| DYBN 24  |   | 27 58                | 59.13    | 80 32     | 17.60          |  |             | P.4<br>5/21/71            | "      |
| DYBN 25  |   | 27 58                | 1820.0   | 80 32     | 481.0          |  |             | P.4<br>5/21/71            | "      |
| DYBN 27  |   | 27 57                | 43.95    | 80 32     | 14.05          |  |             | P.4<br>5/21/71            | "      |
|  |   |                      | 1353.0   | 80 32     | 384.0          |  |             | P.4<br>5/21/71            | "      |
|  |   |                      | 30.44    | 80 32     | 13.47          |  |             | P.4<br>5/21/71            | "      |
|  |   |                      | 937.0    | 80 32     | 368.0          |  |             | P.4<br>5/21/71            | "      |
|  |   |                      | 0.94     | 80 32     | 03.59          |  |             | P.4<br>5/21/71            | "      |
|  |   |                      | 29.0     | 80 32     | 98.0           |  |             | P.4<br>5/21/71<br>70E5786 | "      |
|  |   |                      | 40.80    | 80 31     | 58.72          |  |             | P.4<br>5/21/71            | "      |
|  |   |                      | 1256.0   |           | 1605.0         |  |             | P.4<br>5/21/71<br>70E5787 | "      |

| RESPONSIBLE PERSONNEL   |   |
|---|---|
| TYPE OF ACTION  | NAME  |
| 1. Objects inspected from seaward   | William Shearouse                                     |
| 2. Positions determined and/or verified   | William Shearouse                                     |
| 3. Forms originated by Quality Control and Review Group and final review activities | John Richter<br>Copy checked after typing<br>D. Brant |

| TITLE   |
|---|
| FIELD INSPECTOR<br><input type="checkbox"/> FIELD EDITOR  |
| FIELD INSPECTOR   |
| FIELD EDITOR  |
| COMPILER  |
| REVIEWER<br><input type="checkbox"/> QUALITY CONTROL AND REVIEW<br><input checked="" type="checkbox"/> GROUP REPRESENTATIVE |

### INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

NOTE: 'Photogrammetric Positions' are dependent entirely, or in part, upon control established by photogrammetric methods.  
'Field Positions' are determined by field observations based entirely upon ground control.

#### COLUMN TITLE

#### COMPILATION

Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.

#### TYPE OF ENTRIES

#### FIELD INSPECTION AND FIELD EDIT

1. New Position Determined—Enter the applicable data by symbols as indicated below:

|                  |                     |           |
|------------------|---------------------|-----------|
| F - Field        | P - Photogrammetric | EXAMPLES: |
| 1. Triangulation | 1. Field identified |           |
| 2. Traverse      | 2. Theodolite       | F. 3.c    |
| 3. Intersection  | 3. Planetable       |           |
| 4. Resection     | 4. Sextant          | P. 2      |
| a. Theodolite    |                     |           |
| b. Planetable    |                     |           |
| c. Sextant       |                     |           |

Immediately beneath the data described above, enter the following:

- For 'Field Positions' enter the date of location.
- For 'Photogrammetric Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

2. Triangulation Station Recovered - Enter 'Triang. Rec. mo/day/yr.'

3. Position Verified - Enter 'Verif. mo/day/yr.'

TP-00146  
Data Forwarded to Federal Records Center

- 2 Field Edit Sheets dated May 1971
- 1 Discrepancy Print
- 1 Graphic sextant fixes
- 1 Form 76-36C (History of Field Operations)
- 2 Forms 76-40 (Nonfloating Aids or Landmarks for Charts)
- 2 Forms 567 (Nonfloating Aids or Landmarks for Charts)
- 1 Sketchbook Vol. 2

Photography:

1:10,000 scale  
70E(C)5785 thru 5787