

TP-00663

TP-00663

NOAA FORM 76-35

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

## DESCRIPTIVE REPORT

Type of Survey .. Shoreline Mapping ..

Job No. ... PH-6716 ..... Map No. TP-00663 ..

Classification No. .... Edition No. ... 1 ..

Field Edited Map

## LOCALITY

State ..... Florida ..

General Locality ..... St. Augustine to Cape  
Kennedy ..

Locality ..... Matanzas Inlet ..

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1973 TO 1975

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## REGISTRY IN ARCHIVES

DATE .....

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR  
TO REGISTRATION

|                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                     |                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| 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>Coastal Mapping Division (Norfolk, VA)                                                                                                                                               |  | SURVEY TP. <u>00663</u><br><br>MAP EDITION NO. <u>(1)</u><br>MAP CLASS <u>Final (F.E.)</u><br><br>JOB PH. <u>6716</u>                                                                                                               |                                       |
| OFFICER-IN-CHARGE<br><br>Jeffrey G. Carlen, CDR.                                                                                                                                                                   |  | 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>                                                                                                                                                                                       |  |                                                                                                                                                                                                                                     |                                       |
| 1. OFFICE                                                                                                                                                                                                          |  | 2. FIELD                                                                                                                                                                                                                            |                                       |
| Compilation Sept. 5, 1974<br><br>Aerotriangulation Aug. 13, 1974                                                                                                                                                   |  | September 21, 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<br><br>Polyconic                                                                                                                                                                                 |  | 4. GRID(S)<br>STATE Florida ZONE East                                                                                                                                                                                               |                                       |
| 5. SCALE<br><br>1:20,000                                                                                                                                                                                           |  | STATE ZONE                                                                                                                                                                                                                          |                                       |
| <b>III. HISTORY OF OFFICE OPERATIONS</b>                                                                                                                                                                           |  |                                                                                                                                                                                                                                     |                                       |
| OPERATIONS                                                                                                                                                                                                         |  | NAME                                                                                                                                                                                                                                | DATE                                  |
| 1. AEROTRIANGULATION BY<br>METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY                                                                                                                                           |  | M. McGinley                                                                                                                                                                                                                         | No date                               |
| 2. CONTROL AND BRIDGE POINTS PLOTTED BY<br>METHOD: <u>Coradomat</u> CHECKED BY                                                                                                                                     |  | P. Phillips                                                                                                                                                                                                                         | 8/23/74                               |
| 3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY<br>COMPILATION CHECKED BY<br>INSTRUMENT: <u>Wild B-8</u> CONTOURS BY<br>SCALE: <u>1:30,000</u> CHECKED BY                                                                 |  | L.O. Neterer, Jr.<br>R.R. White<br>NA<br>NA                                                                                                                                                                                         | Dec. 1974<br>Dec. 1974<br><br>        |
| 4. MANUSCRIPT DELINEATION PLANIMETRY BY<br>CHECKED BY<br>METHOD: <u>Smooth ink drafting</u> CONTOURS BY<br>SCALE: <u>1:20,000</u> CHECKED BY<br>HYDRO SUPPORT DATA BY<br>CHECKED BY                                |  | I.K. Perkinson<br>C. Blood<br>NA<br>NA<br>NA<br>NA                                                                                                                                                                                  | Dec 18, 1974<br>Jan. 1975<br><br><br> |
| 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY                                                                                                                                                                        |  | C. Blood                                                                                                                                                                                                                            | Jan. 1975                             |
| 6. APPLICATION OF FIELD EDIT DATA BY                                                                                                                                                                               |  | I.K. Perkinson                                                                                                                                                                                                                      | Jan. 1975                             |
| 7. COMPILATION SECTION REVIEW BY                                                                                                                                                                                   |  | F. Margiotto                                                                                                                                                                                                                        | Feb. 1975                             |
| 8. FINAL REVIEW BY                                                                                                                                                                                                 |  | F. Margiotto                                                                                                                                                                                                                        | Feb. 1975                             |
| 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY                                                                                                                                                                     |  | Billy H. Barnes                                                                                                                                                                                                                     | Sept. 1975                            |
| 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY                                                                                                                                                                     |  |                                                                                                                                                                                                                                     |                                       |
| 11. MAP REGISTERED - COASTAL SURVEY SECTION BY                                                                                                                                                                     |  | N. Francis                                                                                                                                                                                                                          | Oct. 2 1975                           |

NOAA FORM 76-36B  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYTP-00663  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

|                                                                                                                                                                                                                                        |          |                                                                                     |          |                                     |                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|----------|-------------------------------------|-----------------------------------------------------------------------------------|
| CAMERA(S)<br>Wild RC-8 "L" and RC-10 "C"                                                                                                                                                                                               |          | TYPES OF PHOTOGRAPHY<br>LEGEND<br>(C) COLOR X<br>(P) PANCHROMATIC<br>(I) INFRARED X |          | TIME REFERENCE                      |                                                                                   |
| TIDE STAGE REFERENCE MAYPORT, FL<br><input checked="" type="checkbox"/> PREDICTED TIDES (St. Augustine Inlet)<br><input type="checkbox"/> REFERENCE STATION RECORDS<br><input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY |          |                                                                                     |          | ZONE<br>Eastern<br>MERIDIAN<br>75th | <input checked="" type="checkbox"/> STANDARD<br><input type="checkbox"/> DAYLIGHT |
| NUMBER AND TYPE                                                                                                                                                                                                                        | DATE     | TIME                                                                                | SCALE    | STAGE OF TIDE                       |                                                                                   |
| * 73C(C)5216(I) - 5218(I)                                                                                                                                                                                                              | 10/25/73 | 14:40                                                                               | 1:60,000 | 0.8 ft. above MLW                   |                                                                                   |
| ** 73L(C)9414(I) - 9421(I)                                                                                                                                                                                                             | 11/15/73 | 10:00                                                                               | 1:30,000 | + 0.2 ft. of MHW                    |                                                                                   |
| ** 73L(C)9273(I) - 9281(I)                                                                                                                                                                                                             | 11/9/73  | 12:52                                                                               | 1:30,000 | + 0.2 ft. of MLW                    |                                                                                   |

REMARKS \* Bridge and compilation photos  
\*\* Tide coordinated infrared photography at MHW and MLW

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

The mean high water line was compiled from the above listed tide coordinated infrared photography.

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

The mean low water line was compiled from the above listed tide coordinated infrared photography.

## 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 |
|---------------|---------|------------------|---------------|---------|------------------|
|               |         |                  |               |         |                  |

## 5. FINAL JUNCTIONS

| NORTH    | EAST      | SOUTH    | WEST      |
|----------|-----------|----------|-----------|
| TP-00662 | No Survey | TP-00664 | No Survey |

REMARKS

NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

TP-00663

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

| OPERATION                           | NAME                                                                                                                                                               | DATE       |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 1. CHIEF OF FIELD PARTY             | R.S.T.                                                                                                                                                             | Sept. 1973 |
| 2. HORIZONTAL CONTROL               | RECOVERED BY R.S.T.<br>ESTABLISHED BY None<br>PRE-MARKED OR IDENTIFIED BY D.M.F.                                                                                   | Sept. 1973 |
| 3. VERTICAL CONTROL                 | RECOVERED BY NA<br>ESTABLISHED BY NA<br>PRE-MARKED OR IDENTIFIED BY NA                                                                                             |            |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED (Triangulation Stations) BY None<br>LOCATED (Field Methods) BY None<br>IDENTIFIED BY None                                                                |            |
| 5. GEOGRAPHIC NAMES INVESTIGATION   | TYPE OF INVESTIGATION<br><input type="checkbox"/> COMPLETE<br><input type="checkbox"/> SPECIFIC NAMES ONLY<br><input checked="" type="checkbox"/> NO INVESTIGATION |            |
| 6. PHOTO INSPECTION                 | CLARIFICATION OF DETAILS BY                                                                                                                                        |            |
| 7. BOUNDARIES AND LIMITS            | SURVEYED OR IDENTIFIED BY NA                                                                                                                                       |            |

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

NA

| PHOTO NUMBER  | STATION NAME  | PHOTO NUMBER | STATION DESIGNATION |
|---------------|---------------|--------------|---------------------|
| 730(C)5218(I) | MICKLER, 1933 |              |                     |

3. PHOTO NUMBERS (Clarification of details)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

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

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

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

NOAA FORM 76-36C  
(3-72)

TP-00663

## HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

| OPERATION                           | NAME                                                                                                                                                               | DATE       |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 1. CHIEF OF FIELD PARTY             | L.F. Beugnet                                                                                                                                                       | Jan., 1975 |
| 2. HORIZONTAL CONTROL               | RECOVERED BY L.F. Beugnet                                                                                                                                          | Jan., 1975 |
|                                     | ESTABLISHED BY NA                                                                                                                                                  |            |
|                                     | PRE-MARKED OR IDENTIFIED BY NA                                                                                                                                     |            |
| 3. VERTICAL CONTROL                 | RECOVERED BY NA                                                                                                                                                    |            |
|                                     | ESTABLISHED BY NA                                                                                                                                                  |            |
|                                     | PRE-MARKED OR IDENTIFIED BY NA                                                                                                                                     |            |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED (Triangulation Stations) BY NA                                                                                                                           |            |
|                                     | LOCATED (Field Methods) BY NA                                                                                                                                      |            |
|                                     | IDENTIFIED BY NA                                                                                                                                                   |            |
| 5. GEOGRAPHIC NAMES INVESTIGATION   | TYPE OF INVESTIGATION<br><input type="checkbox"/> COMPLETE<br><input type="checkbox"/> SPECIFIC NAMES ONLY<br><input checked="" type="checkbox"/> NO INVESTIGATION |            |
| 6. PHOTO INSPECTION                 | CLARIFICATION OF DETAILS BY NA L.F. Beugnet                                                                                                                        | Jan. 1975  |
| 7. BOUNDARIES AND LIMITS            | SURVEYED OR IDENTIFIED BY NA                                                                                                                                       |            |

## II. SOURCE DATA

| 1. HORIZONTAL CONTROL IDENTIFIED                                                               |              | 2. VERTICAL CONTROL IDENTIFIED                                                                   |                     |
|------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------------------|---------------------|
| None                                                                                           |              |                                                                                                  |                     |
| PHOTO NUMBER                                                                                   | STATION NAME | PHOTO NUMBER                                                                                     | STATION DESIGNATION |
|                                                                                                |              |                                                                                                  |                     |
| 3. PHOTO NUMBERS (Clarification of details)                                                    |              |                                                                                                  |                     |
| 73L(R) 9273 & 73L(R) 9275                                                                      |              |                                                                                                  |                     |
| 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED                                                 |              |                                                                                                  |                     |
| PHOTO NUMBER                                                                                   | OBJECT NAME  | PHOTO NUMBER                                                                                     | OBJECT NAME         |
| 73L(C)(I)9419                                                                                  | TANK         |                                                                                                  |                     |
| 5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE  |              | 6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE |                     |
| 7. SUPPLEMENTAL MAPS AND PLANS                                                                 |              |                                                                                                  |                     |
| Field edit ozalid                                                                              |              |                                                                                                  |                     |
| 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division) |              |                                                                                                  |                     |
| Field edit report<br>1 Form 76-40<br>2 Form 76-96                                              |              |                                                                                                  |                     |

TP-00663  
RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

| COMPILATION STAGES                         |            |                                    | DATE MANUSCRIPT FORWARDED |               |
|--------------------------------------------|------------|------------------------------------|---------------------------|---------------|
| DATA COMPILED                              | DATE       | REMARKS                            | MARINE CHARTS             | HYDRO SUPPORT |
| Compilation complete<br>pending field edit | 12/18/74   | Class III Manuscript<br>Superseded | 1/10/75                   | 1/10/75       |
| Field edit applied<br>Compilation complete | 1/27/75    | Class I Manuscript<br>Superseded   | 3/3/75                    |               |
| Final Review                               | Sept. 1975 |                                    | Sept. 23, 75              |               |
|                                            |            |                                    |                           |               |

## 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      |                                 | 2/26/75           | Ldmk. for charting |
|        |                                 |                   |                    |
|        |                                 |                   |                    |
|        |                                 |                   |                    |
|        |                                 |                   |                    |
|        |                                 |                   |                    |
|        |                                 |                   |                    |

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: Feb. 26, 19753. ☐ 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                                                                            |  |
|                   | DATE OF PHOTOGRAPHY             | DATE OF FIELD EDIT       | MAP CLASS<br><input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |  |
| THIRD<br>EDITION  | SURVEY NUMBER<br>TP - _____ (3) | JOB NUMBER<br>PH - _____ | TYPE OF SURVEY<br><input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY                                                                            |  |
|                   | DATE OF PHOTOGRAPHY             | DATE OF FIELD EDIT       | MAP CLASS<br><input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |  |
| FOURTH<br>EDITION | SURVEY NUMBER<br>TP - _____ (4) | JOB NUMBER<br>PH - _____ | TYPE OF SURVEY<br><input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY                                                                            |  |
|                   | DATE OF PHOTOGRAPHY             | DATE OF FIELD EDIT       | MAP CLASS<br><input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |  |

Revised 11-19-73

# JOB PH-6716

## FLORIDA

St. Augustine to Cape Kennedy  
Shoreline Mapping

1:10,000 Scale

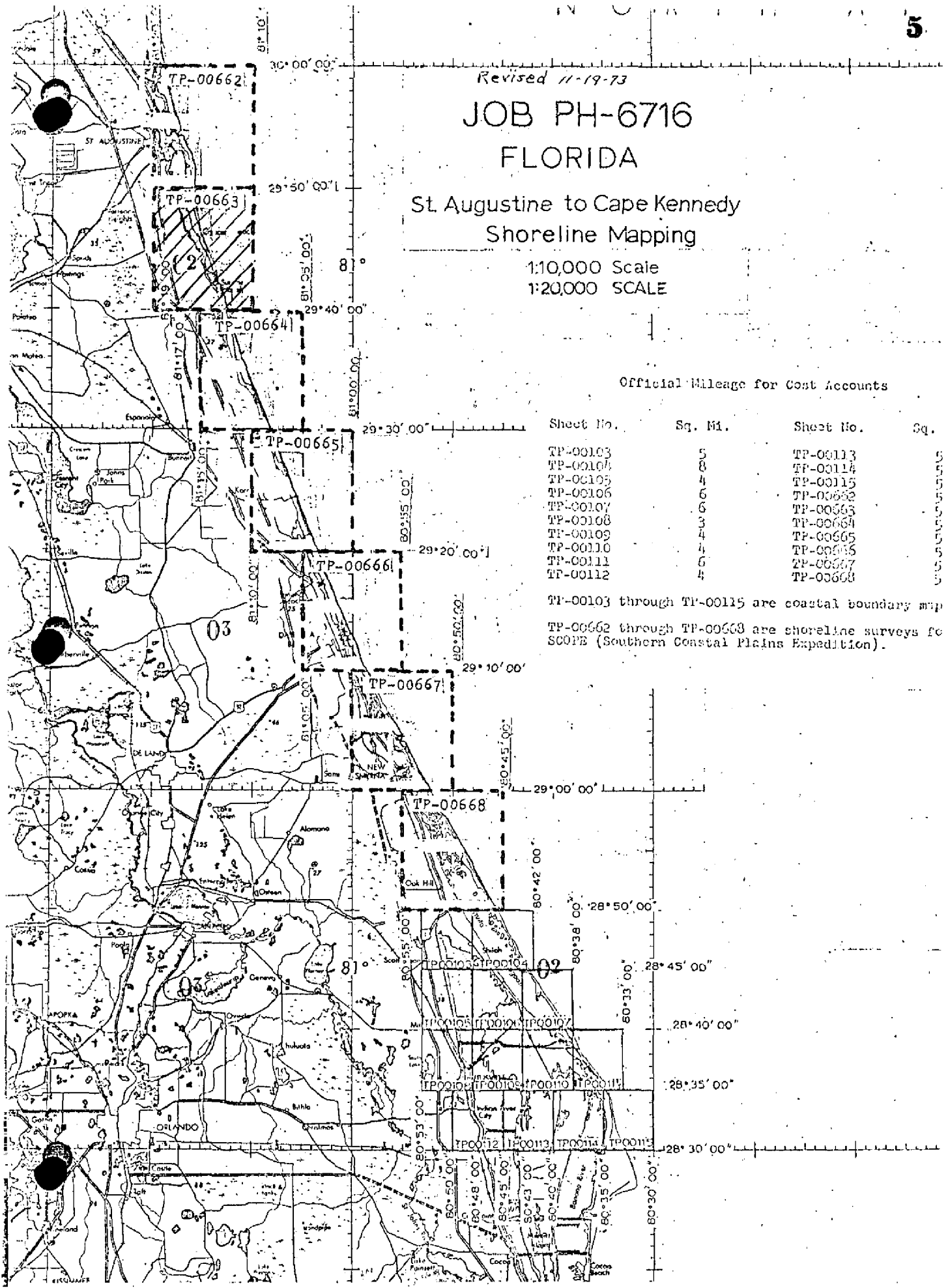
1:20,000 SCALE

Official Mileage for Cost Accounts

| Sheet No. | Sq. Mi. | Sheet No. | Sq. |
|-----------|---------|-----------|-----|
| TP-00103  | 5       | TP-00113  | 5   |
| TP-00104  | 8       | TP-00114  | 5   |
| TP-00105  | 4       | TP-00115  | 5   |
| TP-00106  | 6       | TP-00662  | 5   |
| TP-00107  | 6       | TP-00663  | 5   |
| TP-00108  | 3       | TP-00664  | 5   |
| TP-00109  | 4       | TP-00665  | 5   |
| TP-00110  | 4       | TP-00666  | 5   |
| TP-00111  | 6       | TP-00667  | 5   |
| TP-00112  | 4       | TP-00668  | 5   |

TP-00103 through TP-00115 are coastal boundary map

TP-00662 through TP-00668 are shoreline surveys for  
SCOPE (Southern Coastal Plains Expedition).



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT TP-00663

This 1:20,000 scale shoreline manuscript is one of seven maps which comprise Project PH-6716, St. Augustine to Cape Kennedy, Florida. This is the southernmost project in the Southern Coastal Plains Expedition, SCOPE.

Field work consisted of premarking horizontal control for bridging.

Aerotriangulation was done in two parts in the Rockville Office in 1974 using 1:60,000 scale color infrared photography. This sheet is in Part I.

Compilation was done at the Atlantic Marine Center in December, 1974 on the Wild B-8 Plotter using the bridging photography dated Oct., 1973. Compilation on the plotter consisted of delineating inshore features and dropping shoreline pass points that <sup>were</sup> ~~was~~ common to the Nov., 1974, 1:30,000 scale, tide controlled photography. The 1:30,000 scale photography was ratioed and used to delineate the mean high water and mean low water lines.

Field edit was done in January, 1975.

Final review was done at the Atlantic Marine Center in September, 1975.

The original manuscript is a stabilene sheet 10 minutes in latitude and 10 minutes in longitude.

A stable base copy and a negative of the final reviewed manuscript were forwarded for record and registry.

7

PHOTOGRAMMETRIC PLOT REPORT

Job PH-6716

St. Augustine to Cape Kennedy Parts I and II  
Florida

21. Area Covered

This project covers the shoreline from just north of St. Augustine to the northern portion of Mosquito Lagoon. Included are seven T-sheets (TP-00662 thru TP-00668). All sheets are 1:20,000 scale.

22. Method

Two strips of 1:60,000 scale color IR photography (parts I and II) were bridged on the Wild STK-1 in order to obtain pass point positions and exact scale ratios to be used during compilation.

Part I was adjusted on five field identified triangulation stations with five additional office identified stations and two tie points from CM-7306 as checks. Part II was also adjusted on five field identified triangulation with three office identified stations and three tie points from Part I as checks. Both adjustments were performed on the IBM 6600. All sheets were ruled and plotted on the Coradomat.

1:20,000 scale ratios were ordered.

The horizontal control utilized in the adjustments held within National Map Accuracy.

Control station Pardon 1934 was not used in the adjustment of Part II. The station was paneled direct in an extremely small opening in a tree area and could not be identified on the 1:60,000 scale bridging photography. The substitute station for Shiloh 1934 was also placed in a tree area. Only the target and one of the two legs were visible on the photography due to trees.

24. Supplemental Data

Vertical control for bridging only was obtained from local USGS quads.

25. Photography

Photography was adequate as to overlap, definition, and coverage.

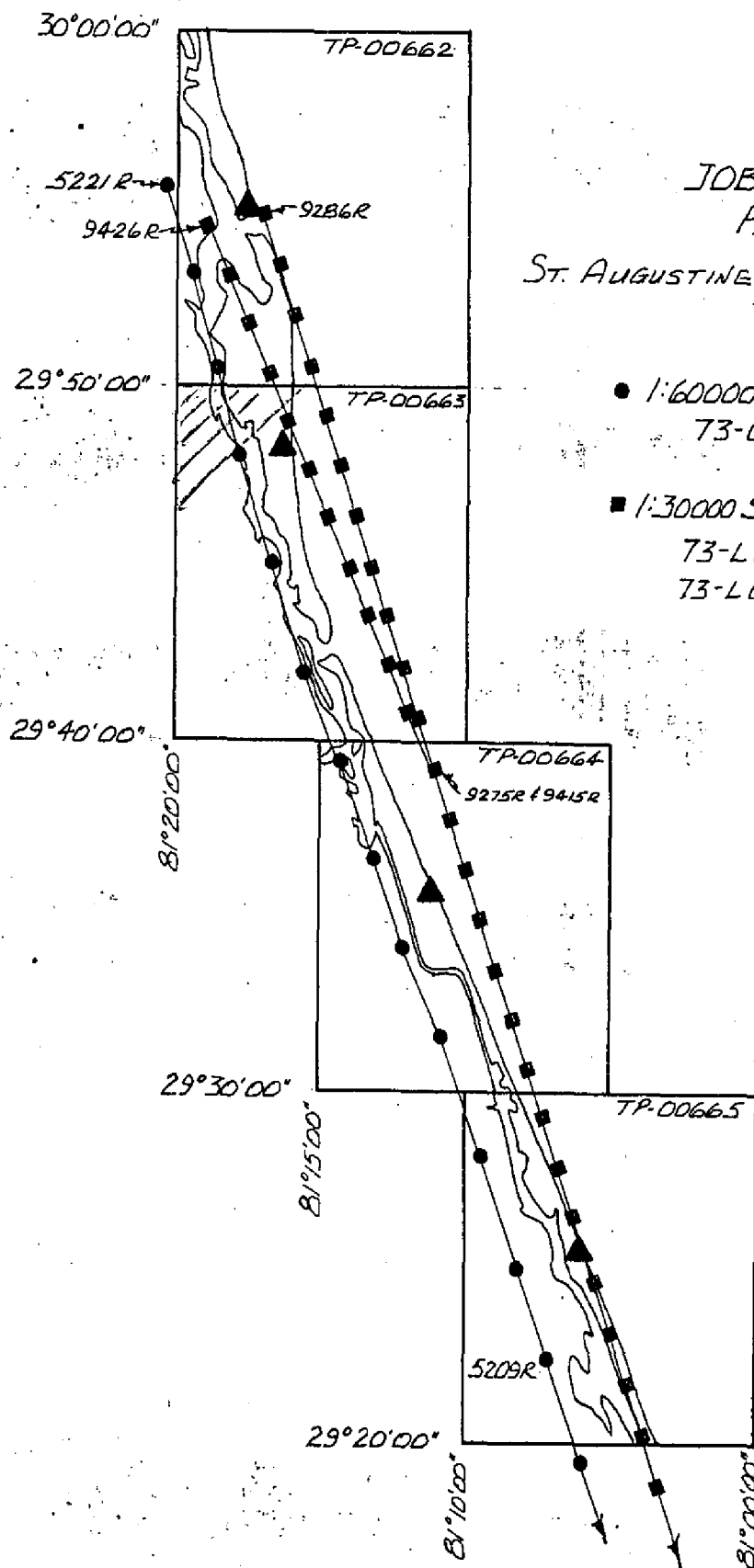
Submitted by:

*Michael L. McGinley*  
Michael L. McGinley

6 August 1974

Approved by:

*John D. Perrow, Jr.*  
John D. Perrow, Jr.  
Chief, Aerotriangulation Section

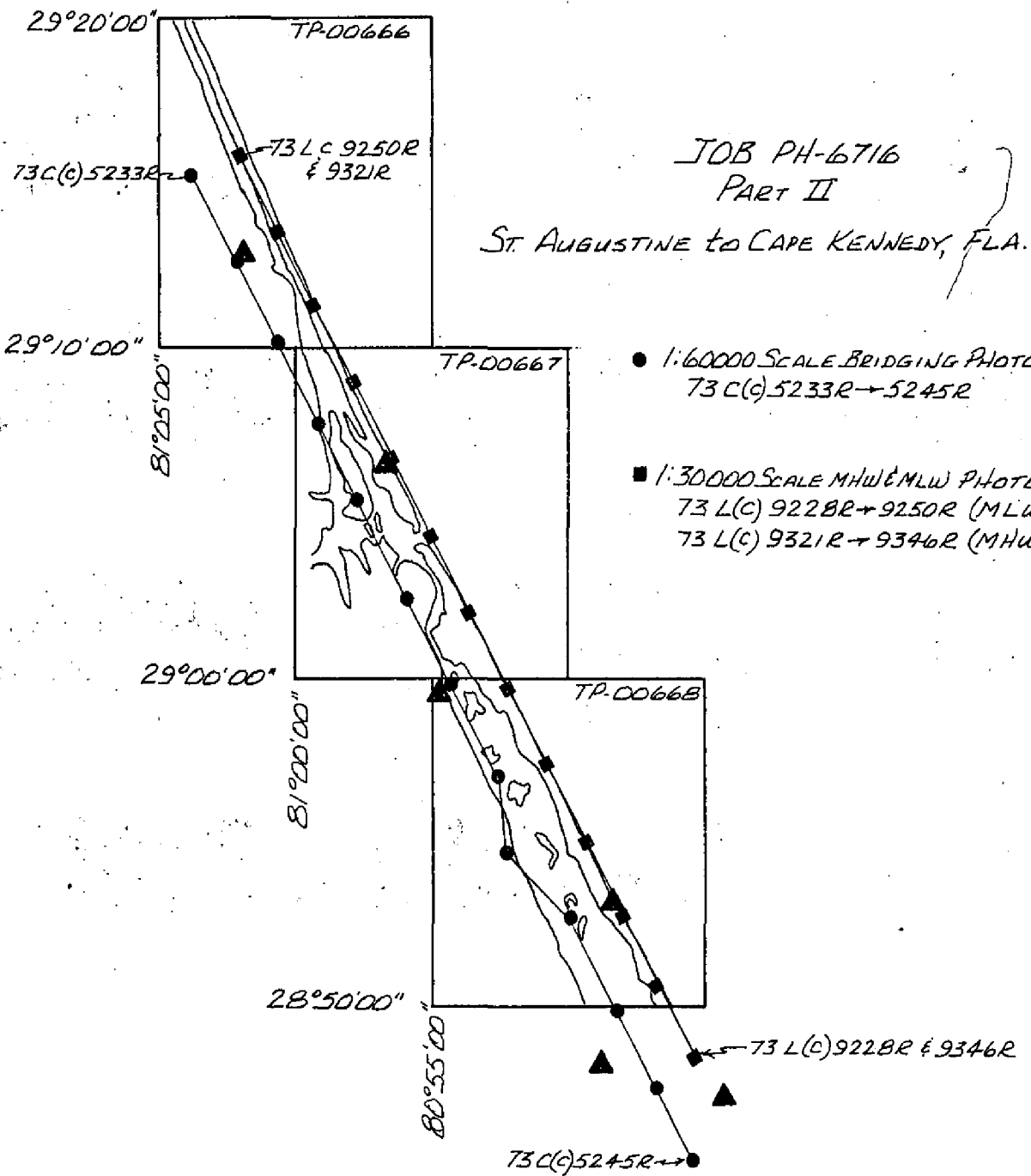


JOB PH-6716

PART 1

ST. AUGUSTINE to CAPE KENNEDY, FLA.

- 1:60000 SCALE BRIDGING PHOTOS  
73-L(6)-5204R → 5221R
- 1:30000 SCALE MHW & MLW PHOTOS  
73-L(6)-9392R → 9426R (MHW)  
73-L(6)-9251R → 9286R (MLW)



## DESCRIPTIVE REPORT CONTROL RECORD

| MAP NO.          | JOB NO.         | STATION NAME  | SOURCE OF INFORMATION<br>(Index) | AEROTRI-<br>ANGULATION<br>POINT<br>NUMBER | GEODETTIC DATUM |        | ORIGINATING ACTIVITY                   |                                                  | REMARKS |         |
|------------------|-----------------|---------------|----------------------------------|-------------------------------------------|-----------------|--------|----------------------------------------|--------------------------------------------------|---------|---------|
|                  |                 |               |                                  |                                           | STATE           | ZONE   | COORDINATES IN FEET<br>FLORIDA<br>East | GEOGRAPHIC POSITION<br>φ LATITUDE<br>λ LONGITUDE |         |         |
| TP-00663         | PH-6716         | MICKLER, 1933 | G.P. Vol. I<br>Pg. 21            |                                           | x=              |        | φ 29° 47'                              | 40.986"                                          |         |         |
|                  |                 |               |                                  |                                           | y=              |        | λ 81° 15'                              | 46.105"                                          |         |         |
|                  |                 | NICK, 1933    | G.P. Vol. I<br>Pg. 21            |                                           | x=              |        | φ 29° 43'                              | 49.090"                                          |         |         |
|                  |                 |               |                                  |                                           | y=              |        | λ 81° 14'                              | 21.865"                                          |         |         |
|                  |                 | COVE, 1934    | G.P. Vol. I<br>Pg. 142           |                                           | x=              |        | φ 29° 41'                              | 54.631"                                          |         |         |
|                  |                 |               |                                  |                                           | y=              |        | λ 81° 13'                              | 33.615"                                          |         |         |
|                  |                 |               |                                  |                                           | x=              |        | φ                                      |                                                  |         |         |
|                  |                 |               |                                  |                                           | y=              |        | λ                                      |                                                  |         |         |
|                  |                 |               |                                  |                                           | x=              |        | φ                                      |                                                  |         |         |
|                  |                 |               |                                  |                                           | y=              |        | λ                                      |                                                  |         |         |
|                  |                 |               |                                  |                                           | x=              |        | φ                                      |                                                  |         |         |
|                  |                 |               |                                  |                                           | y=              |        | λ                                      |                                                  |         |         |
|                  |                 |               |                                  |                                           | x=              |        | φ                                      |                                                  |         |         |
|                  |                 |               |                                  |                                           | y=              |        | λ                                      |                                                  |         |         |
|                  |                 |               |                                  |                                           | x=              |        | φ                                      |                                                  |         |         |
|                  |                 |               |                                  |                                           | y=              |        | λ                                      |                                                  |         |         |
|                  |                 |               |                                  |                                           | x=              |        | φ                                      |                                                  |         |         |
|                  |                 |               |                                  |                                           | y=              |        | λ                                      |                                                  |         |         |
|                  |                 |               |                                  |                                           | x=              |        | φ                                      |                                                  |         |         |
|                  |                 |               |                                  |                                           | y=              |        | λ                                      |                                                  |         |         |
|                  |                 |               |                                  |                                           | x=              |        | φ                                      |                                                  |         |         |
|                  |                 |               |                                  |                                           | y=              |        | λ                                      |                                                  |         |         |
| COMPUTED BY      | A.C. Rauck, Jr. |               |                                  |                                           | DATE            | 9/5/74 | COMPUTATION CHECKED BY                 | L.O. Neterer, Jr.                                | DATE    | 9/10/74 |
| LISTED BY        |                 |               |                                  |                                           | DATE            |        | LISTING CHECKED BY                     |                                                  | DATE    |         |
| HAND PLOTTING BY |                 |               |                                  |                                           | DATE            |        | HAND PLOTTING CHECKED BY               |                                                  | DATE    |         |

## COMPILATION REPORT

TP-00663

31. DELINEATION

Delineation was by the Wild B-8 stereoplotter.

Photography was adequate.

32. CONTROL

See the attached "Photogrammetric Plot Report."

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

The mean high water line and mean low water line was delineated from the tide coordinated photographs.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

Copies of Form 76-40 for 1 landmark were forwarded to the Rockville, MD office on Feb. 24, 1975.

38. CONTROL FOR FUTURE 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 has been made with the following U.S. Geological Survey Quadrangles: ST. AUGUSTINE BEACH, FL, scale 1:24,000, dated 1956, photorevised 1970 and MATANZAS INLET, FL, scale 1:24,000, dated 1956, photorevised 1970.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey charts: 843SC, scale 1:40,000, 11th edition, dated Aug. 25, 1973 and 1244, scale 1:80,000, 6th edition, dated Aug. 4, 1973.

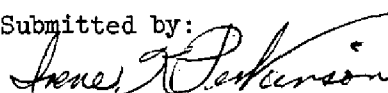
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

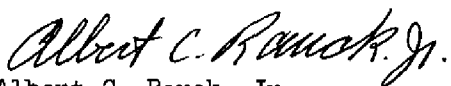
Submitted by:



Irene K. Perkinson

Cartographic Technician; 12/18/74

Approved:



Albert C. Rauck, Jr.

Chief, Coastal Mapping Section, AMC

ADDENDUM TO THE COMPILATION REPORT

TP-00663

FIELD EDIT

Field Edit was adequate.

Field edit report submitted, Jan. 17, 1975.

15 August 1975

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

PH-6716 (St. Augustine to Cape Canaveral, Florida)

TP-00663

Anastazia Island

Atlantic Ocean

Butler Beach

Crescent Beach

Marineland

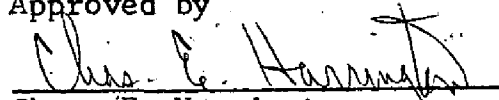
Matanzas Inlet

Matanzas River

Rattlesnake Island

Summer Haven

Approved by

Chas. E. Harrington  
Staff Geographer-C51x2

NOAA FORM 75-74  
(2-74)U.S. DEPARTMENT OF COMMERCE  
NOAA  
NATIONAL OCEAN SURVEY

## PHOTOGRAMMETRIC OFFICE REVIEW

TP-00663

|                                                                                                                                                                           |                                                                                                      |                                                       |                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------|
| 1. PROJECTION AND GRIDS<br>CEB                                                                                                                                            | 2. TITLE<br>CEB                                                                                      | 3. MANUSCRIPT NUMBERS                                 | 4. MANUSCRIPT SIZE<br>CEB                     |
| CONTROL STATIONS                                                                                                                                                          |                                                                                                      |                                                       |                                               |
| 5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY<br>CEB                                                                                                   | 6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY<br>(Topographic stations)<br>NA |                                                       | 7. PHOTO HYDRO STATIONS<br>NA                 |
| 8. BENCH MARKS<br>NA                                                                                                                                                      | 9. PLOTTING OF SEXTANT FIXES                                                                         | 10. PHOTOGRAMMETRIC PLOT REPORT<br>CEB                | 11. DETAIL POINTS<br>CEB                      |
| ALONGSHORE AREAS (Nautical Chart Data)                                                                                                                                    |                                                                                                      |                                                       |                                               |
| 12. SHORELINE<br>CEB                                                                                                                                                      | 13. LOW-WATER LINE<br>CEB                                                                            | 14. ROCKS, SHOALS, ETC.<br>CEB                        | 15. BRIDGES<br>CEB                            |
| 16. AIDS TO NAVIGATION<br>CEB                                                                                                                                             | 17. LANDMARKS<br>CEB                                                                                 | 18. OTHER ALONGSHORE PHYSICAL FEATURES<br>CEB         | 19. OTHER ALONGSHORE CULTURAL FEATURES<br>CEB |
| PHYSICAL FEATURES                                                                                                                                                         |                                                                                                      |                                                       |                                               |
| 20. WATER FEATURES<br>CEB                                                                                                                                                 | 21. NATURAL GROUND COVER<br>NA                                                                       |                                                       | 22. PLANETABLE CONTOURS<br>NA                 |
| 23. STEREOSCOPIC INSTRUMENT CONTOURS<br>NA                                                                                                                                | 24. CONTOURS IN GENERAL<br>NA                                                                        | 25. SPOT ELEVATIONS<br>NA                             | 26. OTHER PHYSICAL FEATURES                   |
| CULTURAL FEATURES                                                                                                                                                         |                                                                                                      |                                                       |                                               |
| 27. ROADS<br>CEB                                                                                                                                                          | 28. BUILDINGS<br>CEB                                                                                 | 29. RAILROADS<br>NA                                   | 30. OTHER CULTURAL FEATURES<br>CEB            |
| BOUNDARIES                                                                                                                                                                |                                                                                                      |                                                       |                                               |
| 31. BOUNDARY LINES<br>NA                                                                                                                                                  |                                                                                                      | 32. PUBLIC LAND LINES<br>NA                           |                                               |
| MISCELLANEOUS                                                                                                                                                             |                                                                                                      |                                                       |                                               |
| 33. GEOGRAPHIC NAMES<br>CEB                                                                                                                                               | 34. JUNCTIONS<br>CEB                                                                                 |                                                       | 35. LEGIBILITY OF THE MANUSCRIPT<br>CEB       |
| 36. DISCREPANCY OVERLAY<br>CEB                                                                                                                                            | 37. DESCRIPTIVE REPORT<br>CEB                                                                        | 38. FIELD INSPECTION PHOTOGRAPHS<br>NA                | 39. FORMS<br>CE B                             |
| 40. REVIEWER<br>Charles E. Blood                                                                                                                                          |                                                                                                      | SUPERVISOR, REVIEW SECTION OR UNIT<br>A.C. Rauck, Jr. |                                               |
| 41. REMARKS (See attached sheet)                                                                                                                                          |                                                                                                      |                                                       |                                               |
| FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT                                                                                                              |                                                                                                      |                                                       |                                               |
| 42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43. |                                                                                                      |                                                       |                                               |
| COMPILER Irene Perkinson                                                                                                                                                  |                                                                                                      | SUPERVISOR                                            |                                               |
| Reviewer: F. Margiotta                                                                                                                                                    |                                                                                                      | Feb. 1975 A.C. Rauck, Jr.                             |                                               |
| 43. REMARKS<br>Field Edit applied from Field Edit ozalid Form 76-40<br>Field Edit - Photos: 73L(C) 9273(I)<br>73L(C) 9275(I)                                              |                                                                                                      |                                                       |                                               |

## FIELD EDIT REPORT

PH-6716

St. Augustine to Cape Kennedy

Map Manuscripts TP-00662 thru TP-00668

51. METHODS

Field edit of these manuscripts was accomplished by driving the road paralleling the coast or by driving the open beaches. All field edit deletions, additions or corrections have been noted on the field edit ozalids or photographs. Field edit information appears on photographs 73-L(R)-9238, 73-L(R)-9243, 73-L(R)-9248, 73-L(R)-9253 and 73-L(R)-9273.

52. ADEQUACY OF COMPILATION

There was no field inspection prior to compilation. The compilation was adequate considering the type of photography used for that purpose. The black and white prints made from the infra-red color photography, and provided for field edit purposes, lack sharp image definition and are of poor tone in the land areas of the manuscripts.

53. MAP ACCURACY

No accuracy test were made.

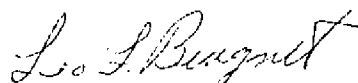
54. RECOMMENDATIONS

None

55. EXAMINATION OF PROOF COPY

Due to the limited extent of compilation no examination of a proof copy was made.

Submitted by



Leo F. Beugnet  
Supervisory Cartographer  
17 January 1975

FIELD EDIT REPORT  
PH-6716  
St. Augustine to Cape Kennedy  
Map Manuscripts TP-00662 thru TP-00668

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Submitted by

*Leo F. Beugnet*

Leo F. Beugnet  
Supervisory Cartographer  
17 January 1975



| RESPONSIBLE PERSONNEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TYPE OF ACTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NAME                                                                                                                                                                                                                                                                                                                                            |
| OBJECTS INSPECTED FROM SEAWARD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | L.F. Beugnet                                                                                                                                                                                                                                                                                                                                    |
| POSITIONS DETERMINED AND/OR VERIFIED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | L.F. Beugnet                                                                                                                                                                                                                                                                                                                                    |
| FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Irene Perkinson, Jan. 7, 1975                                                                                                                                                                                                                                                                                                                   |
| INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                 |
| (Consult Photogrammetric Instructions No. 64.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                 |
| <b>OFFICE</b><br><b>I. OFFICE IDENTIFIED AND LOCATED OBJECTS</b><br>Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.<br>EXAMPLE: 75E(C)6042<br>8-12-75                                                                                                                                                                                                                                                                                                                               | <b>FIELD (Cont'd)</b><br><b>B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.</b><br>EXAMPLE: P-8-V<br>8-12-75<br>74L(C)2982                                                                                     |
| <b>FIELD</b><br><b>I. NEW POSITION DETERMINED OR VERIFIED</b><br>Enter the applicable data by symbols as follows:<br>F - Field                      P - Photogrammetric<br>L - Located                  Vis - Visually<br>V - Verified<br>1 - Triangulation            5 - Field identified<br>2 - Traverse                6 - Theodolite<br>3 - Intersection            7 - Planetable<br>4 - Resection               8 - Sextant<br><br>A. Field positions* require entry of method of location and date of field work.<br>EXAMPLE: F-2-6-L<br>8-12-75 | <b>II. TRIANGULATION STATION RECOVERED</b><br>When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. <i>Triang. Rec.</i><br>EXAMPLE: Triang. Rec. 8-12-75<br><br><b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b><br>Enter 'V-Vis.' and date.<br>EXAMPLE: V-Vis.<br>8-12-75 |
| **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                 |
| *FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                 |

## REVIEW REPORT TP-00663

## SHORELINE

September, 1975

61. GENERAL STATEMENT:

See Summary which is page six of the Descriptive Report.

A comparison print showing differences noted in paragraphs 62, 63, and 65 is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with T-9905, dated August, 1957, scale 1:20,000 and T-9907, dated July, 1957, scale 1:20,000. State route 1A south of a Summer Haven has been destroyed. It was rebuilt across Rattlesnake Island. These differences are noted in blue on the comparison print. In the area covered, TP-00663 superseded T-9905 and T-9907 for nautical chart construction purposes. T-9905 and T-9907 are the latest registered prior surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangles MANTANZAS INLET, FL and ST. AUGUSTINE BEACH, FL, scale 1:24,000, dated 1956 (Photo-revised 1970). Significant differences are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic survey available.

65. COMPARISON WITH NAUTICAL CHARTS

The area covered by this chart is within the limits of NOS Charts 1244, scale 1:80,000 6th edition, dated August, 1973 and 11485, scale 1:40,000, 12th edition, dated August, 1974. There is a pier and a pier-in-ruins charted just north of Marineland. These piers do not exist. Significant differences are shown in red on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project Instructions, meets Bureau requirements and the National Standards of Map Accuracy.

Reviewed by:

*Billy H. Barnes*

Billy H. Barnes  
Cartographer  
Sept., 1975

Approved for forwarding:

*Victor E. Serena*

Victor E. Serena  
Chief, Photogrammetric Branch, AMC

Approved:

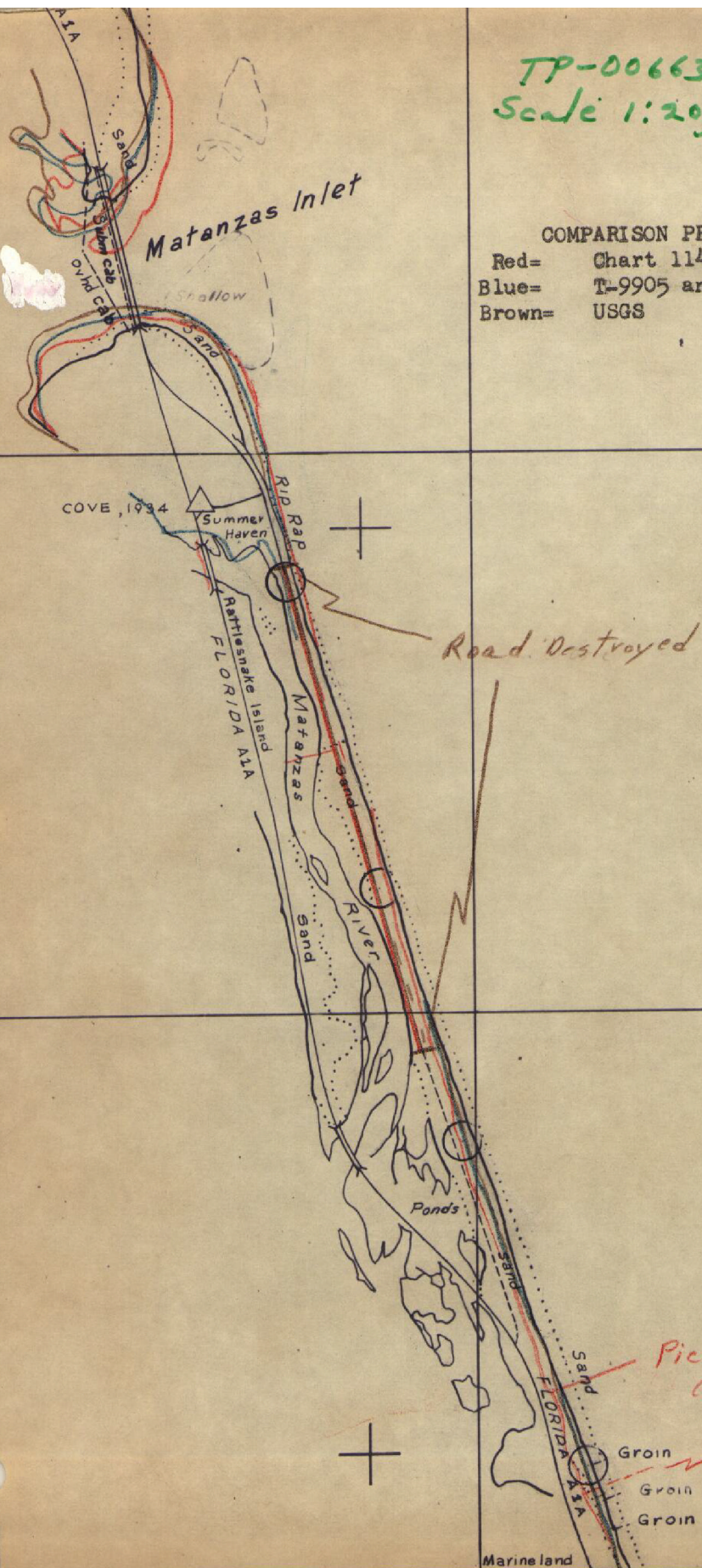
Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

TP-00663  
Scale 1:20,000

## COMPARISON PRINT

Red= Chart 11485  
Blue= T-9905 and T-9907  
Brown= USGS



29°42'

29°41'

29°40'

81°14'

81°13'

81°12'

TP-00663  
Scale 1:25000

8/10/18

ORIDA ALA

MICKLER  
1933  
Sub Pr A

Butler  
Beach

TANK  
ht = 14.5 (152)  
Crescent  
Beach

COMPARISON PRINT  
Red= Chart 11485  
Blue= T-9905 and T-9907  
Brown= USGS

29°48'

29°47'

Wreck  
shown on Chart 11485  
Not visible on photography

A  
Z

S  
T  
A  
S

T  
A  
N  
T  
I