

TP-00976

TP-00976

| | |
|--|-------------------------|
| NOAA FORM 76-35 (3-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY | |
| <h1>DESCRIPTIVE REPORT</h1> | |
| <i>Map No.</i> TP-00976 | <i>Edition No.</i> 1 |
| <i>Job No.</i> CM-7715 | |
| <i>Map Classification</i> Final Field Edited | |
| <i>Type of Survey</i> Shoreline | |
| LOCALITY | |
| <i>State</i> Florida | |
| <i>General Locality</i> Tampa Bay | |
| <i>Locality</i> Gandy Bridge to Snell Isle | |
| <div style="border: 1px solid black; padding: 5px; display: inline-block;"> 19 77 TO 1978 </div> | |
| REGISTRY IN ARCHIVES | |
| DATE | |

| | | | | | | | | | | | | | |
|---|-----------------|--|--|--|--|----------------|---------------|-----------------------------------|-----------------|-----------------------------------|---------------|----------------------------------|--------------|
| NOAA FORM 76-36A (3-72) <div style="text-align: center; margin-top: 5px;"> U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. </div> <div style="text-align: center; margin-top: 20px;"> DESCRIPTIVE REPORT - DATA RECORD </div> | | TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED | | SURVEY TP. <u>00976</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final Field</u> edited JOB <u>PH-CM-7715</u> | | | | | | | | | |
| PHOTOGRAMMETRIC OFFICE <div style="text-align: center; margin-top: 10px;">Rockville, Md.</div> | | LAST PRECEDING MAP EDITION <table style="width: 100%;"> <tr> <td style="width: 50%;">TYPE OF SURVEY</td> <td style="width: 50%;">JOB PH. _____</td> </tr> <tr> <td><input type="checkbox"/> ORIGINAL</td> <td>MAP CLASS _____</td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td>SURVEY DATES:</td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td>19__ TO 19__</td> </tr> </table> | | | | TYPE OF SURVEY | JOB PH. _____ | <input type="checkbox"/> ORIGINAL | MAP CLASS _____ | <input type="checkbox"/> RESURVEY | SURVEY DATES: | <input type="checkbox"/> REVISED | 19__ TO 19__ |
| TYPE OF SURVEY | JOB PH. _____ | | | | | | | | | | | | |
| <input type="checkbox"/> ORIGINAL | MAP CLASS _____ | | | | | | | | | | | | |
| <input type="checkbox"/> RESURVEY | SURVEY DATES: | | | | | | | | | | | | |
| <input type="checkbox"/> REVISED | 19__ TO 19__ | | | | | | | | | | | | |
| OFFICER-IN-CHARGE <div style="text-align: center; margin-top: 10px;">Cmdr James Collins</div> | | | | | | | | | | | | | |

I. INSTRUCTIONS DATED

| 1. OFFICE | 2. FIELD |
|--|--|
| General Instructions-Office-NOS Cooperative Coastal Boundary Mapping-Job PH-7000 9 December 1975 Office 18 August 1977 Amendment I 3 January 1978 Amendment II 7 March 1978 | Field Instructions 27 December 1976 Field Instructions 11 August 1977 Amendment-Field Edit Procedures 30 January 1978 |

II. DATUMS

| | | | | | |
|---|--|------------------|--------------|-------|------|
| 1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN | OTHER (Specify) _____ | | | | |
| 2. VERTICAL: <div style="margin-left: 20px;"> <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL </div> | OTHER (Specify) _____ | | | | |
| 3. MAP PROJECTION <div style="text-align: center; margin-top: 10px;">Lambert Conformal Conic</div> | 4. GRID(S) <table style="width: 100%;"> <tr> <td style="width: 50%;">STATE Florida</td> <td style="width: 50%;">ZONE West</td> </tr> <tr> <td>STATE</td> <td>ZONE</td> </tr> </table> | STATE Florida | ZONE West | STATE | ZONE |
| STATE Florida | ZONE West | | | | |
| STATE | ZONE | | | | |
| 5. SCALE <div style="text-align: center; margin-top: 10px;">1:10,000</div> | | | | | |

III. HISTORY OF OFFICE OPERATIONS

| OPERATIONS | NAME | DATE |
|---|--------------|------------|
| 1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY | S. Solbeck | April 1978 |
| | N/A | |
| 2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY | J. Taylor | April 1978 |
| | N/A | |
| 3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY | N/A | |
| INSTRUMENT: CONTOURS BY | N/A | |
| SCALE: CHECKED BY | | |
| 4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY | C. Lewis | July 1978 |
| METHOD: Graphic | J. Battley | July 1978 |
| CONTOURS BY | N/A | |
| HYDRO SUPPORT DATA BY | N/A | |
| SCALE: 1:10,000 CHECKED BY | | |
| 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY | J. Battley | July 1978 |
| 6. APPLICATION OF FIELD EDIT DATA BY | J. Battley | Sept 1978 |
| CHECKED BY | P. Dempsey | Sept 1978 |
| 7. COMPILATION SECTION REVIEW BY | J. Battley | Sept 1978 |
| 8. FINAL REVIEW BY | P. Dempsey | Feb 1984 |
| 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY | | |
| 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY | P. Dempsey | Feb 1984 |
| 11. MAP REGISTERED - COASTAL SURVEY SECTION BY | E. DAUGHERTY | NOV 1984 |

COMPILATION SOURCES

TP-00976

1. COMPILATION PHOTOGRAPHY

| | | | | | |
|---|----------|---|----------|--|--|
| CAMERA(S) RC-8-E, RC-10-B | | TYPES OF PHOTOGRAPHY LEGEND | | TIME REFERENCE | |
| TIDE STAGE REFERENCE | | (C) COLOR (P) PANCHROMATIC R (X) INFRARED | | ZONE Eastern | <input checked="" type="checkbox"/> STANDARD |
| <input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY | | | | MERIDIAN 75th | <input type="checkbox"/> DAYLIGHT |
| NUMBER AND TYPE | DATE | TIME | SCALE | STAGE OF TIDE | |
| 77E 4169-4172 | 10/13/77 | 1037 | 1:30,000 | The stage of tide is inapplicable for the color photography Refer to 76-36B(1) for tide information | |
| 77E 4123-4124 | 10/13/77 | 0940 | 1:30,000 | | |
| 77BR 0256-0260 | 11/8/77 | 1150 | 1:30,000 | | |

REMARKS

The rectified photography is B&W from the color photographs listed above.
One infrared photo (77 BR 0259) was also rectified.

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the MHW line is the tide-coordinated, black and white, infrared photography listed in item 1. Where the MHW line was obscured by vegetation, such as mangrove, the apparent shoreline was delineated.

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

GCLW photography was not available at the time of compilation, within accuracy standards.

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 TP-00973 | EAST TP-00977 | SOUTH TP-00979 | WEST N/A |
|-------------------|------------------|-------------------|-------------|

REMARKS

Final junctions will be made in the Coastal Mapping Section.

NOAA FORM 76-368(1)
(7-75)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTIDE - COORDINATED PHOTOGRAPHY
TP - 00970

| LOCATION AND PHOTOGRAPHY | TIDE STATIONS <i>(In operation at time of photography)</i> | STAGE OF TIDE | MEAN RANGE |
|--------------------------|---|---------------|------------|
| 77BR 0256-0260 | St. Petersburg | - 0.10 | |
| REMARKS: | | | |

HISTORY OF FIELD OPERATIONS.

TP-00976

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATIONUnder ltr. dtd. 1/30/78 fr
Chief, Coastal Mapping

| OPERATION | NAME | DATE |
|-------------------------------------|---|----------|
| 1. CHIEF OF FIELD PARTY | R. R. Wagner | Aug 1978 |
| 2. HORIZONTAL CONTROL | RECOVERED BY N/A | |
| | ESTABLISHED BY N/A | |
| | PRE-MARKED OR IDENTIFIED BY N/A | |
| 3. VERTICAL CONTROL | RECOVERED BY N/A | |
| | ESTABLISHED BY N/A | |
| | PRE-MARKED OR IDENTIFIED BY N/A | |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED (Triangulation Stations) BY N/A | |
| | LOCATED (Field Methods) BY N/A | |
| | IDENTIFIED BY N/A | |
| 5. GEOGRAPHIC NAMES INVESTIGATION | TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input checked="" type="checkbox"/> SPECIFIC NAMES ONLY BY J. D. Di Mare <input type="checkbox"/> NO INVESTIGATION | Aug 1978 |
| 6. PHOTO INSPECTION | CLARIFICATION OF DETAILS BY J. D. Di Mare | Aug 1978 |
| 7. BOUNDARIES AND LIMITS | SURVEYED OR IDENTIFIED BY N/A | |

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

| PHOTO NUMBER | STATION NAME | PHOTO NUMBER | STATION DESIGNATION |
|--------------|--------------|--------------|---------------------|
| | | | |

3. PHOTO NUMBERS (Clarification of details)

77E-4124, 4170, 4171, 4172 & 4173

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

| 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 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

RECORD OF SURVEY USE

TP-00976

I. MANUSCRIPT COPIES

| COMPILATION STAGES | | | DATE MANUSCRIPT FORWARDED | |
|--------------------|---------|---------|---------------------------|---------------|
| DATA COMPILED | DATE | REMARKS | MARINE CHARTS | HYDRO SUPPORT |
| Class III | 7/13/78 | | | |
| Final | 10/5/78 | | | |
| | | | | |
| | | | | |

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

| NUMBER pages | CHART LETTER NUMBER ASSIGNED | DATE FORWARDED | REMARKS |
|-----------------|---------------------------------|-------------------|-----------------------------------|
| 3 | | 6/26/79 | Digitized forms (76-40) submitted |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____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 EDITION | SURVEY NUMBER TP - _____ (2) | JOB NUMBER PH - _____ | TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <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 EDITION | SURVEY NUMBER TP - _____ (3) | JOB NUMBER PH - _____ | TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <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 EDITION | SURVEY NUMBER TP - _____ (4) | JOB NUMBER PH - _____ | TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <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 | |

JOB CM-7715 TAMPA BAY, FLORIDA SHORELINE MAPPING SCALE 1:10,000 & 1:20,000

REV. 7-20-78



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

Coastal Zone Map TP-00976 is one of fourteen 1:10,000 scale and one 1:20,000 scale shoreline maps in Project CM-7715. These maps are intended for planning purposes for the state of Florida and for the construction and maintenance of NOS Nautical Charts.

The layout for CM-7715 will show the location of the individual maps from Rattlesnake Key to Oldsmar, Florida. A copy of the layout is included in this Descriptive Report.

Field operations consisted of premarking horizontal control and photographing the area, establishing tidal datums and performing the field edit.

Color compilation photography was taken with the RC-8-E camera at 1:30,000 scale in October, 1977 and used in clarifying detail and compiling landmarks and aids to navigation. The shoreline was compiled using 1:30,000 scale infrared MHW photography taken with the RC-10-B & K cameras in November, 1977.

The Aerotriangulation Unit in Rockville, Maryland bridged five strips of 1:60,000 scale black and white photography using analytic aerotriangulation methods.

Compilation was completed in the Coastal Mapping Unit, Rockville, Maryland, using graphic methods.

Field edit was completed in September 1978. Recovery and location of landmarks, fixed aids to navigation, piling, etc., were omitted from the field edit procedures as per memo dated January 30, 1978, from chief, Coastal Mapping Branch. These items were compiled, to the extent possible, by office photogrammetric methods. The editor was required to only visually verify their existence at the time of edit. Their locations were not field checked. Field edit requirements in the foreshore and adjacent areas remain unchanged.

Application of field edit was performed in the Coastal Mapping Unit, Rockville, Maryland.

Final Review was performed in the Quality Control Unit, Rockville, Maryland, in February 1984. This map meets the requirements for National Standards of Map Accuracy.

The context of this Descriptive Report contains all pertinent reports and listings of data used to compile this final map.

FIELD REPORT FOR CM-7715 & CM-7717

1. GENERAL

This report covers pre-marking, photo identification of control points, high and low water photographs. The project instructions were changed by Chief, Planning Branch in the range of tide for tidal photographs due to weather conditions.

Due to the size of pre-mark targets and the congestion of the area and targets being destroyed it was necessary to photo identify control points. This part of the field work was delayed due to receiving of the necessary photographs.

There were a number of tide gages in operation at the time of photography that could be used to supplement tidal data.

2. HORIZONTAL CONTROL

The following control stations were pre-marked or identified.

Control Point No. 1 DUNEDIN MUN N TANK 1972, Sub-point marked with array No. 1 with one wing. The data for this station was submitted with CM-7612 target No. 8. This station was not marked again because the grass on the golf course is still dead from when it was paneled a year ago. This panel should be transferred from CM-7612 photos.

Control Point No. 2 BOOTH 1926, Marked direct with array No. 1 and two wings.

Control Point No. 3 CYPRESS 2 1960 1975, Sub-point marked with array No. 1 and no wings. No room for wings.

Control Point No. 4 PETER 1946, Station marked direct with array No. 1 and no wings.

Control Point No. 5 TAMPA PENINSULAR TELEPHONE CO. MOBILE MAST 1955, Station marked direct on old base for tower without wings at request of owner.

Control Point No. 6 COL 1957. No target used. Station is a good point in center of bay in sea wall.

Control Point No. 7 PORT TAMPA, BLACK MUN TANK 1945, Station marked with array No. 1 on remains of standpipe. The tank has been removed. The four tank footings should be used as wings.

Control Point No. 8 GADSDEN 2 1908, Station marked direct with two wings.

Control Point No. 9 Y6 (FGS) 1934, Station marked direct with two wings.

Control Point No. 10 GANDY 1973, Station marked direct with one wing.

Control Point No. 11 BRIGHTWATER B 1973, Sub-point is center of approx. 12X12 foot dock. No target used, see photo 77C7488.

Control Point No. 12 FEDERAL 1973, Station marked direct on top of building. No wings used.

Control Point No. 13 TAMP 1954, Sub-point marked with array No. 1 and one wing.

Control Point No. 14 DESOTO 1973, Sub-point with no target used.

Control Point No. 15 STUMP 1957, Sub-point. Panel destroyed and not replaced. Rockville office stated not needed because other target appears on this line.

Control Point No. 16 SUN CITY POWER CO SILVER WATER TANK 1934, Marked direct in center of four footings with array No. 1 without wings. Tank has been removed.

Control Point No. 17 GILLETTE 1934, Sub-point is the center of three concrete slabs in cemetery. No target used.

Control Point No. 18 MCNIEL 2 1958, Sub-point panel was marked with array No. 1 without wings. This panel was not in place at time of photography. Other sub-points A & B were identified on photo 77C7504.

Control Point No. 19 PALM 3 1924, Sub-point marked with array No. 1 without wings. Wings were not used at request of owner.

Control Point No. 20 MANATEE SILVER MUN WATER TANK 1925 (Cor of 10th St. and 9th Ave), Sub-point marked with array No. 1 and no wings.

Control Point No. 21 CONNER 1954, Station marked direct with array No. 1 without wings. No room for wings.

Control Point No. 22 SCHROEDER 1934, Station marked direct with array No. 1 and two wings.

Control Point No. 23 AMBER TR 27 (USE) 1953, Sub-point marked with array No. 1 and two wings.

Control Point No. 24 WHITFIELD ESTATES TANK 1934, Marked direct with array No. 1 and no wings. Tank is destroyed and target placed in center of tank footings.

Control Point No. 25 SARASOTA, RADIO STATION WSPR MAST 1953, Concrete base identified direct on 77C7516. The mast has been removed and a new mast was built west of old base in the last part of 1970.

Control Point No. 26 NORTHWEST 1878, Two sub-points were identified on photo 77C7518

Control Point No. 27 TT 41 JA 1952, Two sub-points were identified on photo 77C7523

3. PHOTOGRAPHS

Bridging - All bridging photography was flown on October 5, 1977.

Low Water - Flown on October 13 and 14, 1977

High Water - Flown on October 14 and November 8, 1977

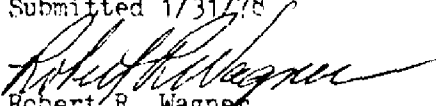
4. TIDAL DATA

Leveling for tide station 872 6621, Port Tampa was done by this party and is submitted in one NOAA Form 76-77 for prior and after photography. All other tide stations used were leveled by Photo Party 65 when gages were removed. This data is in Tides Branch, Rockville, Maryland.

The following twelve tidal stations were used:

872-6520 (St Petersburg) in two volumes, 872-5943 (Blackburn Point) and 872-5889 (Venice, Roberts Bay) in one volume, 872-6621 (Port Tampa), 872-6247 (Bradenton), 872-6348 (Two Brothers Island), 872-6243 (Anna Maria), 872-6278 (Redfish Point), 872-6537 (Apollo Beach), 872-6159 (Whitfield Estates), 872-6738 (Safety Harbor) and 972-6639 (Ballast Point)

Submitted 1/31/78


Robert R. Wagner
Chief, Photo Party 66

PHOTOGRAMMETRIC PLOT REPORT
CM-7715
Tampa Bay, Florida
April 1978

21. Area Covered

The area covered by this report is the immediate shoreline surrounding Tampa Bay, Florida.

Fourteen 1:10,000 scale manuscripts (TP-00970 thru TP-00982 and TP-00984) and one 1:20,000 scale manuscript (TP-00983) are submitted.

22. Method

Five strips of 1:60,000 scale black-and-white photography were bridged by analytic aerotriangulation methods. Control was field identified. Office identified control was used as a check.

Tie points were used to insure adequate junctioning during the strip adjustments. Tie points were also used to ensure adequate junctioning between project CM-7612 and this project. These latter tie points provided the initial control for strip 77-C 7393 to 7401.

Common points were located on the bridging photography and the tide-coordinated infrared being used for ratio purposes. Additional common points were located between the bridging photography and the 1:30,000 scale color photography for compilation purposes. These latter points were located by the compilation section.

The manuscripts will be plotted by the compilation section.

23. Adequacy of Control

The majority of control proved adequate according to National Map Accuracy standards.

The position for Tampa Peninsular Telephone Company Mobile Mast, 1955 (401 100) would not fit into the adjustment by 310 feet in X and 998 feet in Y. The panel was apparently not located correctly by the field party. The correct image was located and measured accurately. The paneled location was measured on two separate strips and used to tie the strips together.

24. Supplemental Data

USGS quads were used to provide vertical control for the strip adjustments. Nautical charts 11413 and 11414 were used to locate aids and landmarks.

25. Photography

The coverage, overlap, and quality of the photography were adequate for the job.

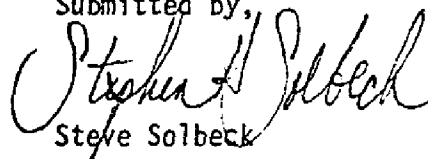
26. Comments on Strip Adjustment

Preliminary strip adjustments of strips 2 and 4 indicate that discrepancies exist that are not normally expected. In strip 2 three points were used to form the second degree adjustment curve, and two control points were "floated" - to be used as check points. One fit within 2 feet and the other was off about 10 feet. These same two points were also "floated" in strip 3, both fit within less than 3 feet.

A similar phenomenon exists on strip 4 where again three points are used for the adjustment and a seemingly good check point is off about 12 feet.

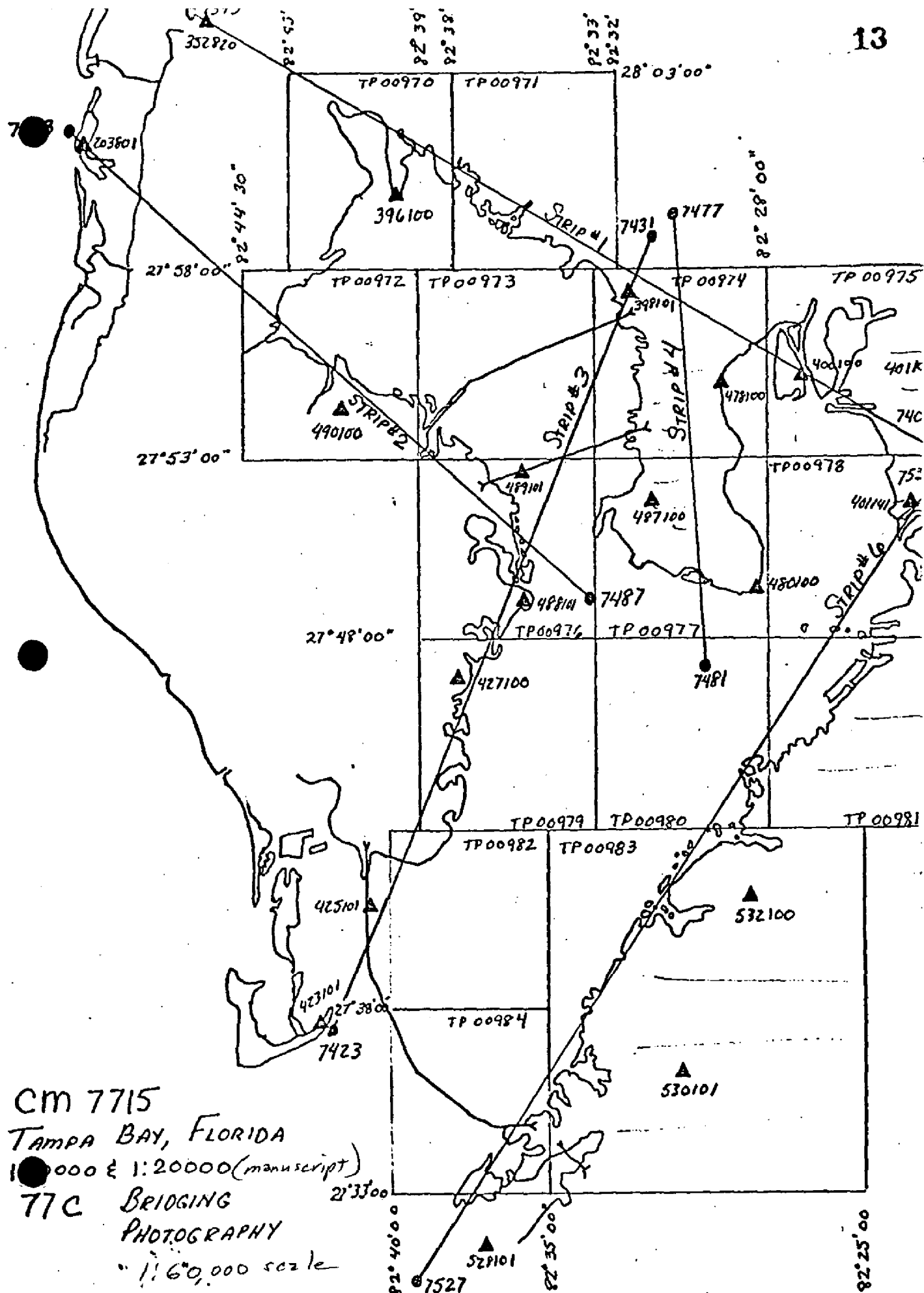
The cause of this "lack of fit" can not be satisfactorily explained, however, the discrepancies in the vicinity of these control points can be reduced by using them in the adjustment. By doing this, they fit to within 6 feet.

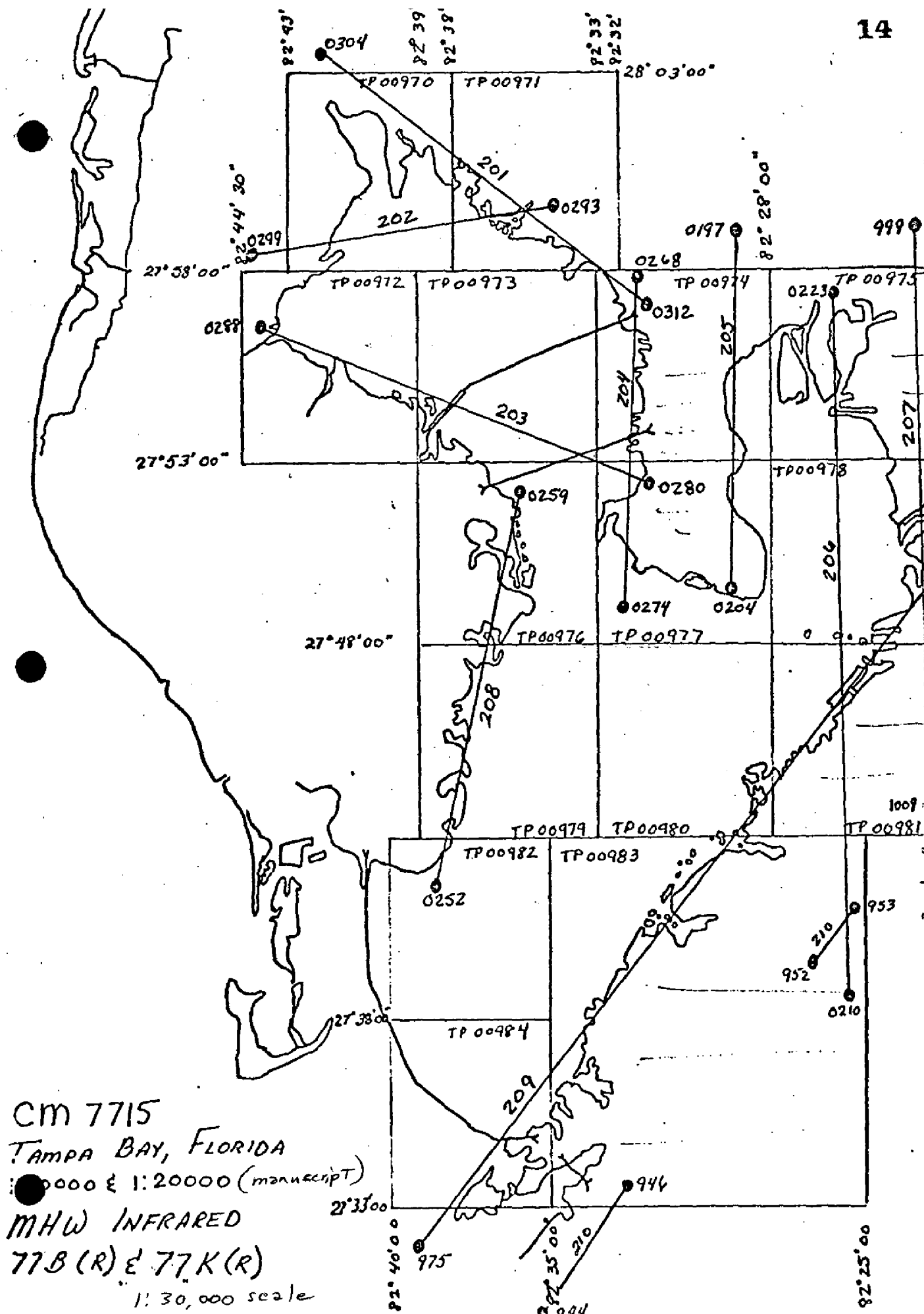
Submitted by,


Steve Solbeck

Approved and forwarded:


Acting Chief, Aerotriangulation Section





TAMPA BAY, FLORIDA CM-7715

Accruacy of Control

| | | X | Y |
|----------|--------|--------|---------|
| STRIP #1 | 258830 | - .075 | + .558 |
| | 352820 | + .407 | - .915 |
| | 396100 | + .728 | + .686 |
| | 398101 | + .318 | + .045 |
| | 400100 | + .064 | - .938 |
| | 401141 | + .020 | + .559 |
| STRIP #2 | 487100 | -1.574 | + 2.163 |
| | 488101 | - .563 | - 5.231 |
| | 489101 | -1.510 | + 2.273 |
| | 490100 | +4.496 | + .554 |
| | 203801 | - .851 | + .243 |
| | 262830 | + .222 | + 1.876 |
| STRIP #3 | 423101 | +1.262 | + 1.806 |
| | 425101 | -1.726 | - 2.149 |
| | 427100 | -1.276 | - 1.487 |
| | 488101 | +1.998 | - .753 |
| | 487100 | +2.260 | + 1.868 |
| | 489101 | +2.764 | - 2.448 |
| | 478100 | -3.540 | + 2.008 |
| | 398101 | +3.021 | - 2.046 |
| STRIP #4 | 398101 | -1.366 | - 3.579 |
| | 400100 | +5.121 | - 1.143 |
| | 478100 | -3.185 | + 3.309 |
| | 487100 | -2.260 | + 1.533 |
| | 480100 | +1.085 | + .731 |
| | 478801 | + .605 | - .851 |
| STRIP #6 | 528101 | -4.052 | + 1.220 |
| | 528102 | -4.149 | - .277 |
| | 530101 | -1.116 | - 2.404 |
| | 532100 | -1.592 | + 4.189 |
| | 480100 | +4.226 | - 2.684 |
| | 401141 | +4.864 | - 2.402 |
| | 401100 | - .248 | + .134 |
| | 401111 | -1.335 | + 1.275 |

DESCRIPTIVE REPORT CONTROL RECORD

| MAP NO. | STATION NAME | JOB NO. | GEODETTIC DATUM | | AEROTRI- ANGULATION POINT NUMBER | SOURCE OF INFORMATION (Index) | COORDINATES IN FEET | | GEOGRAPHIC POSITION | | REMARKS |
|--|---------------------|---------|-----------------|------|---|-------------------------------------|---------------------|------------------------------------|--|-------------|--|
| | | | STATE | ZONE | | | FLORIDA | West | φ LATITUDE | λ LONGITUDE | |
| TP-00976 | | CM-7715 | N A 1927 | | | | | | | | ORIGINATING ACTIVITY Rockville, Md. |
| St. Petersburg, Radio Sta. WSUN North Tower, 1973 | Geod. List. Pg 7 | | | | 488148 | | | x= 309,107.227 y= 1,288,605.799 | φ 27° 52' 39.312" λ 82° 35' 27.181" | | |
| Gandy, 1973 | P C Pg 3 | | | | 489100 | | | x= 309,988.941 y= 1,288,481.964 | φ λ | | |
| St. Petersburg, Radio Sta. WSUN South Tower, 1973 | Geod. List. Pg 7 | | | | 488141 | | | x= 309,468.832 y= 1,288,170.968 | φ 27° 52' 35.024" λ 82° 35' 23.124" | | |
| Weedon Island Channel Range Rear Light, 1958 | Vol II Pg 109 | | | | 488151 | | | x= 309,460.20 y= 1,285,239.65 | φ 27° 52' 05.997" λ 82° 35' 23.068" | | |
| Weedon Island Channel Range Front Light, 1958 | " | | | | 488152 | | | x= 310,423.77 y= 1,282,940.08 | φ 27° 51' 43.272" λ 82° 35' 12.209" | | |
| St. Petersburg Radio Sta. WQYK Mast, 1973 | Geod. List. Pg 7 | | | | 154 | | | x= 296,086.75 y= 1,287,428.33 | φ 27° 52' 27.010" λ 82° 37' 52.198" | | |
| St. Petersburg TV Station WLCY Mast (Center of 3), 1973 | " | | | | 488145 | | | x= 300,493.194 y= 1,286,223.391 | φ 27° 52' 15.301" λ 82° 37' 03.032" | | |
| Weedon Island Florida Power Co. White Stack, 1957 | Vol II Pg 95 | | | | 184 | | | x= 305,831.13 y= 1,282,504.31 | φ 27° 51' 38.737" λ 82° 36' 03.353" | | |
| Brightwater B, 1973 | P C Pg 2 | | | | 488100 | | | x= 307,054.986 y= 1,267,022.968 | φ λ | | |
| Tampa Bay Cut K Channel Range Front Light, 1957 | Vol II Pg 87 | | | | 299 | | | x= 313,791.85 y= 1,265,004.99 | φ 27° 48' 45.833" λ 82° 34' 33.746" | | |
| COMPUTED BY | | | | | DATE | | | COMPUTATION CHECKED BY | | | DATE |
| LISTED BY | | | | | DATE | | | LISTING CHECKED BY | | | DATE |
| HAND PLOTTING BY | | | | | DATE | | | HAND PLOTTING CHECKED BY | | | DATE |

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

Compilation Report
TP-00970

July 1978

31. Delineation

All features were delineated by graphic methods. The rectified prints of the (B&W from Color) photography were controlled by map points determined by aerotriangulation and were used for compiling all roads, interior features, and cultural shoreline.

The MHW line was compiled from office interpretation of the ratio, tide-coordinated black and white infrared photography which was controlled by common detail compiled from the rectified photography. Print 77BR 0259 was rectified, using detail from the rectified prints. The ratio print did not fit to the detail from the rectified prints and the rectification was necessary.

A field edit will be made to validate interpretation and symbolization of features.

32. Horizontal Control

Horizontal control was adequate. (See Photogrammetric Plot Report)

33. Supplemental Data

Field sketches indicating the location of applicable tide stations were supplied by Tides and Water Levels Section.

34. Contours and Drainage

Contours are not applicable. Drainage was compiled from the office interpretation of the ratio, tide-coordinated, black and white infrared photography.

35. Shoreline and Alongshore Detail

Office interpretation of the MHW infrared photography was adequate for delineating the shoreline and alongshore detail.

The use of adequate GCLW black and white infrared photography was not available at the time of compilation. As a result no gulf coast low water line was delineated.

36. Offshore Details

No problems encountered.

37. Landmarks and Aids

Refer to Form 76-40 - Tampa Bay Cut K'CHANNEL RANGE FRONT LIGHT should be investigated in the field due to discrepancy in bridge. See Photo. Plot Report.

38. Control for Future Surveys - None39. Junctions - Refer to Form 76-36B40. Horizontal and Vertical Accuracy

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

41. thru 45. Inapplicable

46. Comparison with Existing Maps

Comparison was made with the following USGS Topographic Quadrangle Maps.

Safety Harbor, Fla. 1969
St. Petersburg, Fla. 1969
Gandy Bridge, Fla. 1969
Port Tampa, Fla. 1969

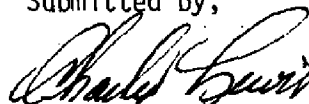
No significant differences were noted.

47. Comparison with Nautical Charts

Comparison was made with the following nautical chart:

11413; April 16, 1977 - 1:40,000

Submitted by,


Charles Lewis
Cartographer

Approved and Forwarded:



J.P. Battley, Jr.
Chief, Coastal Mapping Section

FIELD EDIT REPORT TP-00976, JOB CM-771551. METHODS

Field edit was performed under instructions dated 1/30/78 from Chief, Coastal Mapping Division, Rockville, Maryland.

The shoreline was inspected from a small boat while cruising just off shore and by truck.

The position of Tampa Bay Cut K Channel Range Front Light, 1957 was checked with the Coast Guard Aids to Navigation Team in St. Petersburg and verified by 7th C.G. District in Miami. This Range Light has not been rebuilt since 1935 and the 1957 position appears good. If there are any further questions, please advise.

Field edit notes will be found on the photographs and discrepancy print.

52. ADEQUACY OF COMPILATION

Adequate after application of field edit.

53. MAP ACCURACY

No test required.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Geographic names in question on Quad. Port Tampa, Fla., 1956, Photo rev. 1969 were investigated with the following people for their correct application and chart positioning:

| <u>NAME</u> | <u>ADDRESS</u> |
|--|--|
| Mr. J.M. Koon - Realtor Has lived in area for 45 years | 1333 Snell Isle Blvd. N.E. St. Petersburg, Fla. 33704 |
| Mr. Robert Fox - Marine Dealer Has lived in area for 31 years | 10220 San Martin Blvd. St. Petersburg, Fla. 33702 |
| Mr. Andrew Glenn - Marine Mechanic Has lived in area for 31 years | 10220 San Martin Blvd. St. Petersburg, Fla. 33702 |

It is recommended and agreed upon from the three persons questioned that BAYOU GRANDE be changed back to PAPPYS BAYOU as on Quad. Port Tampa, Fla., 1956. It is agreed that the location of the name VENETIAN ISLES is correct

2 "Ps" intended as per
DiMare 9/21/78

JB.

As per Geographic Names Board 9/22/78
the name should remain BAYOU GRANDE

as shown on NOS Chart 11413, 5/78. The name MERMAID POINT should be applied to its former location on Quad. Port Tampa, Fla., 1956.

Submitted: 8/18/78

Joseph D. Di Mare
Joseph D. Di Mare
Surveying Technician

REVIEW REPORT
TP-00976
February 1984

61. General Statement

Refer to the summary bound with this Descriptive Report.

62. Comparison With Registered Topographic Surveys - None

63. Comparison With Maps of Other Agencies

Refer to the Compilation Report, paragraph 46, bound with this Descriptive Report.

64. Comparison With Contemporary Hydrographic Surveys - None

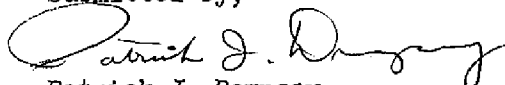
65. Comparison With Nautical Charts

Refer to the Compilation Report, paragraph 47, bound with this Descriptive Report.

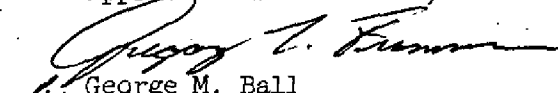
66. Adequacy of Results and Future Surveys

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

Submitted by,


Patrick J. Dempsey
Cartographer

Approved and Forwarded,


George M. Ball
Chief, Photogrammetric Section


Ronald K. Brewer
Chief, Photogrammetry Branch

October 12, 1977

GEOGRAPHIC NAMES


FINAL NAME SHEET

CM-7715 (Tampa Bay, Florida)

TP-00976

| | |
|------------------|---------------------|
| Bayou Grande | Riviera Bay |
| Benjamin Island | Ross Island |
| Butterfly Lake | St. Petersburg |
| Christmas Island | Shore Acres |
| Christmas Pass | Smacks Bayou |
| Coffeepot Bayou | Snake Island |
| Googe Island | Snell Isle |
| Masters Bayou | Snug Harbor |
| Mermaid Point | South Gandy Channel |
| Mud Hole Island | Tinney Creek |
| Old Tampa Bay | Venetian Isles |
| Papys Point | Weedon Hammock |
| Placido Bayou | Weedon Island |

Approved by:


Charles E. Harrington
Chief Geographer - C3x5

DISSEMINATION OF PROJECT MATERIAL
CM-7715

National Archives/Federal Records Center

Red Jacket:

Field Notebooks - NOAA Forms 77-53
NOAA Form 76-77

Bridging photographs
Tidal bench mark descriptions
Sketches and computations
Field edit discrepancy print
Field photographs
CSI cards

Bureau Archives

Registered copy of each map
Descriptive Report of each map

Reproduction Division

8x Reduction negative of each map

Office of Staff Geographer

Geographic Names Standard


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* SVY TP00976 * RPT UNIT CMD, ROCKVILLE, MD. * PAGE 2 OF 3 *
* JOR CM7715 * NONFLOATING AIDS FOR CHARTS * STATE FLORIDA *
* PRJ 833205 * TO BE CHARTED * LOCALITY TAMPA BAY * ORIGINATING ACTIVITY *
* DTM NA1927 * DATE 09/18/78 * * COMPILATION *
*
* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *
*
* DESCRIPTION * POSITION CMD * METHOD AND DATE *
* CHARTING* RECORD REASON FOR DELETION * LATITUDE DM ALTEK* OF LOCATION * CHARTS *
* NAME * PUT TRIANGULATION NAMES IN ( ) * LONGITUDE OP DGTZD* OFFICE * FIELD *AFFECTED*
*
* BRIDGING OR COMPILATION ARE SHOWN ON THIS MAP.
*
* TAMPA BAY
* CUT J TWO CHANNEL
*
* -RGE F * RANGE FRONT LIGHT * 27 50 18.37 565.5 * 77C7428 * * 11413 *
* LIGHT * 82 34 04.24 116.0 * 10/05/77 *
*
* -RGE R * RANGE REAR LIGHT * 27 50 43.22 1330.4 * 77C7428 * * 11413 *
* LIGHT * 82 33 59.23 1620.7 * 10/05/77 *
*
* TAMPA BAY
* CUT K CHANNEL
*
* -RGE F * (TAMPA BAY CUT K CHANNEL FRONT * 27 48 45.83 1410.7 NOT *TRIANG *
* LIGHT * LIGHT, 1957) * 82 34 33.74 923.5 DGTZD* * 11413 *
*
* TAMPA BAY
* WEEDON ISLAND CHANNEL
*
* -RGE F * (WEEDON ISLAND CHANNEL RANGE * 27 51 43.27 1331.9 NOT *TRIANG *
* LIGHT * FRONT LIGHT, 1958) * 82 35 12.21 334.0 DGTZD* * 11413 *
*
* -RGE R * (WEEDON ISLAND CHANNEL RANGE * 27 52 05.99 184.4 NOT *TRIANG *
* LIGHT * REAR LIGHT, 1958) * 82 35 23.06 630.8 DGTZD* * 11413 *

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