DESCRIPTIVE REPORT

Map No.  TP-00982  Edition No. 1

Job No.  CM-7715

Map Classification
Final Field Edited

Type of Survey
Shoreline

LOCALITY

State  Florida

General Locality
Tampa Bay

Locality  Point Pinellas

1977 TO 1978

REGISTRY IN ARCHIVES

DATE

*U.S. GOVERNMENT PRINTING OFFICE:1976-669-248
**DESCRIPTIVE REPORT - DATA RECORD**

**PHOTOGRAMMETRIC OFFICE**
Rockville, Md.

OFFICER-IN-CHARGE
Cmr. James Collins

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**I. INSTRUCTIONS DATED**

1. OFFICE

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

2. FIELD

Field Instructions 27 December 1976
Field Instructions 11 August 1977
Amendment - Field Edit Procedures 30 January 1978

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**II. DATUMS**

1. HORIZONTAL:

- 1927 North American

2. VERTICAL:

- Mean High-Water
- Mean Low-Water
- Mean Lower Low-Water
- Mean Sea Level

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**III. HISTORY OF OFFICE OPERATIONS**

<table>
<thead>
<tr>
<th>OPERATIONS</th>
<th>NAME</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. AEROTRIANGULATION</td>
<td>S. Solbeck</td>
<td>April 1978</td>
</tr>
<tr>
<td>METHOD: Analytic</td>
<td>LANDMARKS AND AIDS</td>
<td>N/A</td>
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<td>2. CONTROL AND BRIDGE POINTS</td>
<td>J. Taylor</td>
<td>April 1978</td>
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<tr>
<td>METHOD: Coromat</td>
<td>PLOTTED</td>
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<td>3. STEREOSCOPIC INSTRUMENT COMPILATION</td>
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<td>4. MANUSCRIPT DELINEATION</td>
<td>J. Schad</td>
<td>July 1978</td>
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<tr>
<td>METHOD: Graphic</td>
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<td>5. OFFICE INSPECTION PRIOR TO FIELD EDIT</td>
<td>J. Battley</td>
<td>Aug 1978</td>
</tr>
<tr>
<td>BY</td>
<td>J. Battley</td>
<td>Oct 1978</td>
</tr>
<tr>
<td>CHECKED</td>
<td>C. Lewis</td>
<td>Oct 1978</td>
</tr>
<tr>
<td>7. COMPILATION SECTION REVIEW</td>
<td>J. Battley</td>
<td>Oct 1978</td>
</tr>
<tr>
<td>8. FINAL REVIEW</td>
<td>P. Dempsey</td>
<td>Mar 1984</td>
</tr>
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<td>9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH</td>
<td>P. Dempsey</td>
<td>Mar 1984</td>
</tr>
<tr>
<td>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</td>
<td>E. Daugherty</td>
<td>Nov 1984</td>
</tr>
<tr>
<td>11. MAP REGISTERED - COASTAL SURVEY SECTION</td>
<td>E. Daugherty</td>
<td>Nov 1984</td>
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1. COMPILATION PHOTOGRAPHY

**CAMERA(S):** RC-8-E, RC-10-B

<table>
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<tr>
<th>NUMBER AND TYPE</th>
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<th>TIME</th>
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<th>STAGE OF TIDE</th>
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<tr>
<td>77E(C) 4164-4165</td>
<td>10/13/77</td>
<td>1034</td>
<td>1:30,000</td>
<td>The stage of tide is inapplicable for color photography</td>
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<tr>
<td>77B(R) 0252</td>
<td>11/8/77</td>
<td>1148</td>
<td>1:30,000</td>
<td>Refer to 76-36B(1) for tide information</td>
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**REMARKS:** The rectified photography is B&W from the color photographs listed above.

2. SOURCE OF MEAN HIGH-WATER LINE:

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

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

   GCLW photography was not available at time of compilation within accuracy standards. The low-water line was not compiled.

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

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<thead>
<tr>
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<th>DATE(S)</th>
<th>SURVEY COPY USED</th>
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<th>DATE(S)</th>
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<tr>
<td>Inapplicable</td>
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5. FINAL JUNCTIONS

   **NORTH:** TP-00979  
   **EAST:** TP-00983  
   **SOUTH:** TP-00984  
   **WEST:** TP-00969

**REMARKS:** Final junctions will be made in the Coastal Mapping Section.
<table>
<thead>
<tr>
<th>LOCATION AND PHOTOGRAPHY</th>
<th>TIDE STATIONS (In operation at time of photography)</th>
<th>STAGE OF TIDE</th>
<th>MEAN RANGE</th>
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<tr>
<td>778 0252</td>
<td>Two Brothers Island</td>
<td>+0.34</td>
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Remarks:
### HISTORY OF FIELD OPERATIONS

**TP-00982**

#### I. FIELD INSPECTION OPERATION

- **Operation**: Field Edit Operation
- **Under ltr. dt.: 1/30/78 fr. Chief, Coastal Mapping**

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<td>1. Chief of Field Party</td>
<td>R.R. Wagner</td>
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<tr>
<td>2. Horizontal Control</td>
<td></td>
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<tr>
<td>3. Vertical Control</td>
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<tr>
<td>4. Landmarks and Aids to Navigation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Geographic Names Investigation</td>
<td>J.D. Di Mare</td>
<td>August 1978</td>
</tr>
<tr>
<td>6. Photo Inspection</td>
<td>J.D. Di Mare</td>
<td>August 1978</td>
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<td>7. Boundaries and Limits</td>
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#### II. SOURCE DATA

1. Horizontal Control Identified
2. Vertical Control Identified

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3. Photo Numbers (Clarification of details)

- 77BL165

4. Landmarks and Aids to Navigation Identified

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5. Geographic Names: P. R. Report ☑️ None
6. 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)
### I. Manuscript Copies

<table>
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<tr>
<th>DATA COMPILED</th>
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<th>MARINE CHARTS</th>
<th>HYDRO SUPPORT</th>
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### II. Landmarks and Aids to Navigation

1. **Reports to Marine Chart Division, Nautical Data Branch**

<table>
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<tr>
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<td></td>
<td>6/26/79</td>
<td>Digitized forms (76-40) Submitted</td>
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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)

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<td>DATE OF FIELD EDIT</td>
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</table>
Coastal Zone Map TP-00982 is one of fourteen 1:10,000 scale and one
1:20,000 scale shoreline maps in Project CM-7715. These maps are in-
tended for planning purposes for the state of Florida and for the con-
struction 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 in-
cluded in this Descriptive Report.

Field operations consisted of premarking horizontal control and photo-
graphing 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 land-
marks and aids to navigation. The shoreline was compiled using 1:30,000
scale infrared MW photography taken with the RC-10-B & K cameras in Nov-
ember, 1977.

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

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

Field edit was completed in August, 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 vis-
ually 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, Rock-
ville, Maryland.

Final Review was performed in the Quality Control Unit, Rockville, Maryland,
in March, 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 gauges 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 1966, 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) 1931, Station marked direct with two wings.

Control Point No. 10 GANZ 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 7707488.

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

Control Point No. 13 TAMP 1952, 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 1931, Marked direct in center of four footings with array No. 1 without wings. Tank has been removed.

Control Point No. 17 GILLETTE 1931, Sub-point is the center of three concrete slabs in cemetery. No target used.

Control Point No. 18 MCNiel 2 1955, 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 7707504.

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 (Corner 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 NORTHEAST 1878. Two sub-points were identified on photo 77C7518.

Control Point No. 27 TT L1 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 15 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 pages 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 872-5899 (Venice, Roberts Bay) in one volume, 872-6621 (Port Tampa), 872-6217 (Bradenton), 872-6348 (Two Brothers Island), 872-6213 (Anna Maria), 872-6278 (Redfish Point), 872-6537 (Apollo Beach), 872-6159 (Whitfield Estates), 872-6738 (Safety Harbor) and 972-6639 (Hullast 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 jucntioning during the strip adjustments. Tie points were also used to ensure adequate jucntioning 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:

C. A. Norman

Acting Chief, Aerotriangulation Section
CM 7715
Tampa Bay, Florida
1:20,000 scale
MHW INFRARED
77.8 (R) E 7.7 K (R)
1:30,000 scale
<table>
<thead>
<tr>
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31. **Delineation**

All features were delineated by graphic compilation. Rectified photos, controlled by map points determined by Aerotriangulation were used as an aid for interpreting cultural features and limits of vegetation.

The location of shoal and shallow areas were positioned from the rectified photos. The tidal datum lines were compiled from office interpretation of the ratio tide-coordinated black and white infrared photography which was controlled by cultural features of the rectified photos.

32. **Horizontal Control**

Horizontal control was adequate. (See Photogrammetric Plot Report)

33. **Supplemental Data**

Sketches were provided by the Tides and Water Level Section to locate applicable tide stations.

34. **Contours and Drainage** - None

35. **Shoreline and Alongshore Details**

Interpretation of shoreline and alongshore detail was adequate as noted in Item 31.

36. **Offshore Detail**

No problems encountered.

37. **Landmarks and Aids**

Refer to Form 76-40

38. **Control for Future Surveys** - None

39. **Junctions**

Refer to Form 76-36B.
40. **Horizontal and Vertical Accuracy**

This map complies with the accuracy requirement 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 7.5 minute topographic quadrangle:

Pass A Grille Beach, Fla., 1956; Photo rev. 1969

47. **Comparison with Nautical Charts**

11414  23rd Edition   May 13, 1978  1:40,000

Submitted by,

James Schad
Cartographer

Approved and Forwarded:

J. P. Battley, Jr.
Chief, Coastal Mapping Section
FIELD EDIT REPORT TP-00982, JOB CM-7715

51. 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.

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

The question of the locality of the name BAHAMA BEACH on Quad. Pass-A-Grille Beach, Fla., 1956, Photo rev. 1969 is recommended for deletion as several residents in the area questioned on the name have never heard this name used. The residents have lived in this area for several years.

Submitted: 8/18/78

Joseph D. Di Mare
Surveying Technician
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
GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7715 (Tampa Bay, Florida)

TP-00982

Bahama Beach (locality)

Pinellas Peninsula

Point Pinellas

Tampa Bay

Approved by:

Charles E. Harrington
Chief Geographer - C3x5
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
POPHOTOGRAMMETRIC FIELD POSITIONS* SHOW
THE METHOD OF LOCATION OR VERIFICATION.
EXAMPLE P-8-V
8-12-77
74L1C12982

FIELD POSITIONS ARE DETERMINED BY FIELD
OBSERVATIONS BASED ENTIRELY UPON GROUND
SURVEY METHODS.

**PHOTOGRAMMETRIC FIELD POSITIONS ARE
DEPENDENT ENTIRELY, OR IN PART, UPON CONTROL
ESTABLISHED BY PHOTOGRAMMETRIC METHODS.

NOTE: WHERE THE NAME OF AN AID INCLUDES THE IMMEDIATE GEOGRAPHIC HEADING UNDER WHICH IT IS LISTED,
A DASH (-) IS USED TO INDICATE THE GEOGRAPHIC HEADING WHICH IS PART OF THE OFFICIAL NAME.
THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.

ONLY THOSE NONFLOATING AIDS AND LANDMARKS TO NAVIGATION THAT WERE VISIBLE ON THE PHOTOGRAPHY AND LOCATED DURING BRIDGING OR COMPILATION ARE SHOWN ON THIS MAP.

TAMPA BAY
CUT A CHANNEL

RGE F (TAMPA BAY CUT A CHANNEL LIGHT RANGE FRONT LIGHT, 1957)  27 38 22.68 698.1 NOT TRIANG

RGE R (TAMPA BAY CUT A CHANNEL LIGHT RANGE REAR LIGHT, 1957)  27 38 49.66 1534.7 NOT TRIANG

DATATAB VERSION 782707
**INSTRUCTIONS**

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

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