

9913

Diag. Cht. Nos. 1244 and 1245.

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-82(51) Office No. T-9913

LOCALITY

State Florida

General locality Halifax River

Locality New Smyrna Beach

1949-57

CHIEF OF PARTY

P. Taylor, Chief of Field Party
E.H.Kirsch, Baltimore Photo. Office

LIBRARY & ARCHIVES

DATE July 31, 1959

9913

DESCRIPTIVE REPORT - DATA RECORD

T -9913

Project No. (II): ~~24170~~ ^{PH-82} Quadrangle Name (IV):

Field Office (II): Brunswick, Georgia Chief of Party: Paul Taylor

Photogrammetric Office (III): Baltimore, Maryland Officer-in-Charge: E.H. Kirsch

Instructions dated (II) (III):
29 December 1951 Copy filed in Division of
15 February 1952 (Supplement 1) Photogrammetry (IV)
28 February 1952 (Supplement 1)
14 March 1952 (Supplement II)
28 April 1952 (Supplement III)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000 Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV): 11-16-56 Date reported to Nautical Chart Branch (IV): 11-28-56

Applied to Chart No. Date: Date registered (IV): 10 Mar 1959

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MSL

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): ODYSSEY 2, 1906

Lat.: 29° 04' 51.442" (1583.7 m) Long.: 80° 57' 16.499" (446.2 m) Adjusted
~~Unadjusted~~

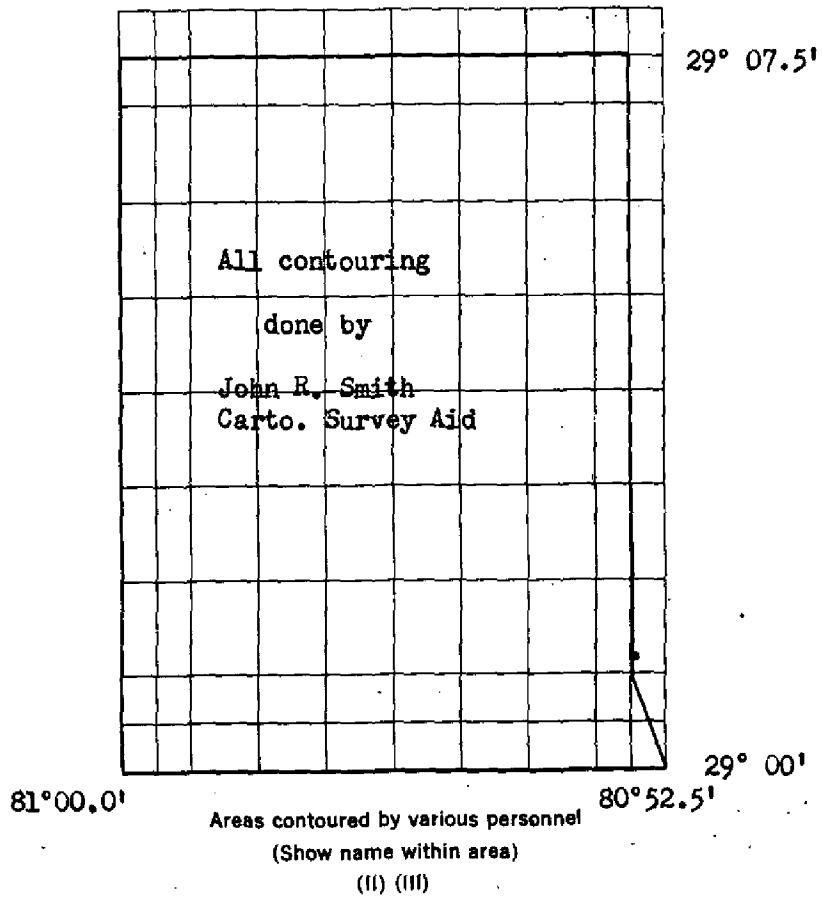
Plane Coordinates (IV): State: Florida Zone: East

Y= X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

DESCRIPTIVE REPORT - DATA RECORD



DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): John R. Smith

Date: May 1952

Shoreline Inspection by: H.R. Spies *

Dec., 1952

Planetable contouring by (II): John R. Smith

Date: 15 January to
March, 1952

Completion Surveys by (II): Joseph K. Wilson

Date: Feb. 12, 1957

Mean High Water Location (III) (State date and method of location): April - May 1952

Field Inspection - 1952. Photographs

Date of photographs - Oct. 1956 photographs inspected by field editor

Projection and Grids ruled by (IV): J. Allen

Date: 10-20-52

Projection and Grids checked by (IV): H.R. Cravat

Date: 10-22-52

Control plotted by (III): S. L. Hollis

Date: Dec. 1952

Control checked by (III): H. R. Rudolph

Date: Dec. 1952

Radial Plot ~~of stereoscopic~~

Date:

~~Control checked~~ by (III): H. R. Rudolph

1-9-53

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): J.B. Phillips

Date: 10-24-56

Photogrammetric Office Review by (III): R. Glaser

Date: 11-9-56

Elevations on Manuscript
checked by (II) (III):

Date:

* See page 7 of this report

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **U.S.C.&G.S. Nine-lens
Single lens "O" & "J" & "W"**

PHOTOGRAPHS (III)

| Number | Date | Time | Scale | Stage of Tide |
|----------------------------|-----------------|-------------|----------|----------------|
| 34933 thru 34935 | 2-13-52 | 1154 | 1:20,000 | 1.4 above MLW |
| 34940 and 34941 | 2-13-52 | 1209 | " | all land area |
| 49-0-122 thru 124 | 4-14-49 | 0935 | " | 2.4 above MLW |
| J-508 and 509 | 4-21-48 | 1319 | " | -0.2 above MLW |
| J-529 thru 531 | 4-21-48 | 1337 | " | -0.1 above MLW |
| 49-0-90 thru 95 | 4-6-49 | 1439 | " | 1.7 above MLW |
| 49-0-97 thru 103 | 4-6-49 | 1444 | " | 1.6 above MLW |
| 56-W-3634 thru 3637 | 10-19-56 | 0903 | " | 2.9 " " |
| 56-W-3756 " 3763 | 10-19-56 | 1005 | " | 2.6 " " |
| 56-W-3769 " 3777 | 10-19-56 | 1013 | " | 2.2 " " |
| 56 W 3784 " 3792 | 10-19-56 | 1028 | " | 2.1 " " |

Note: 1956 single lens ("W" camera) 1:10,000 scale photographs taken at the approximate time of MLW were available for use in field edit and Compilation Office application of F.E. Corrections.

Tide (III)

(from predicted tide tables)

Reference Station: **Miami Harbor Entrance**
Subordinate Station: **Ponce de Leon Inlet**
Subordinate Station:

| Ratio of Ranges | Mean Range | Spring Range |
|-----------------|------------|--------------|
| | 2.5 | 3.0 |
| 0.9 | 2.3 | 2.7 |

Washington Office Review by (IV): **S.G. Blankenbaker**

Date: **June 1958**

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **46 sq miles**
Shoreline (More than 200 meters to opposite shore) (III): **44 miles**
Shoreline (Less than 200 meters to opposite shore) (III): **26 miles**
Control Leveling - Miles (II): **36.0**

Number of Triangulation Stations searched for (II): ***61** Recovered: 30 Identified: 17
Number of BMs searched for (II): **34** Recovered: 25 Identified: 21

Number of Recoverable Photo Stations established (III): **5 *****

Number of Temporary Photo Hydro Stations established (III):

Number of Section and/or Grant Corners recovered and identified: **11**

Remarks:

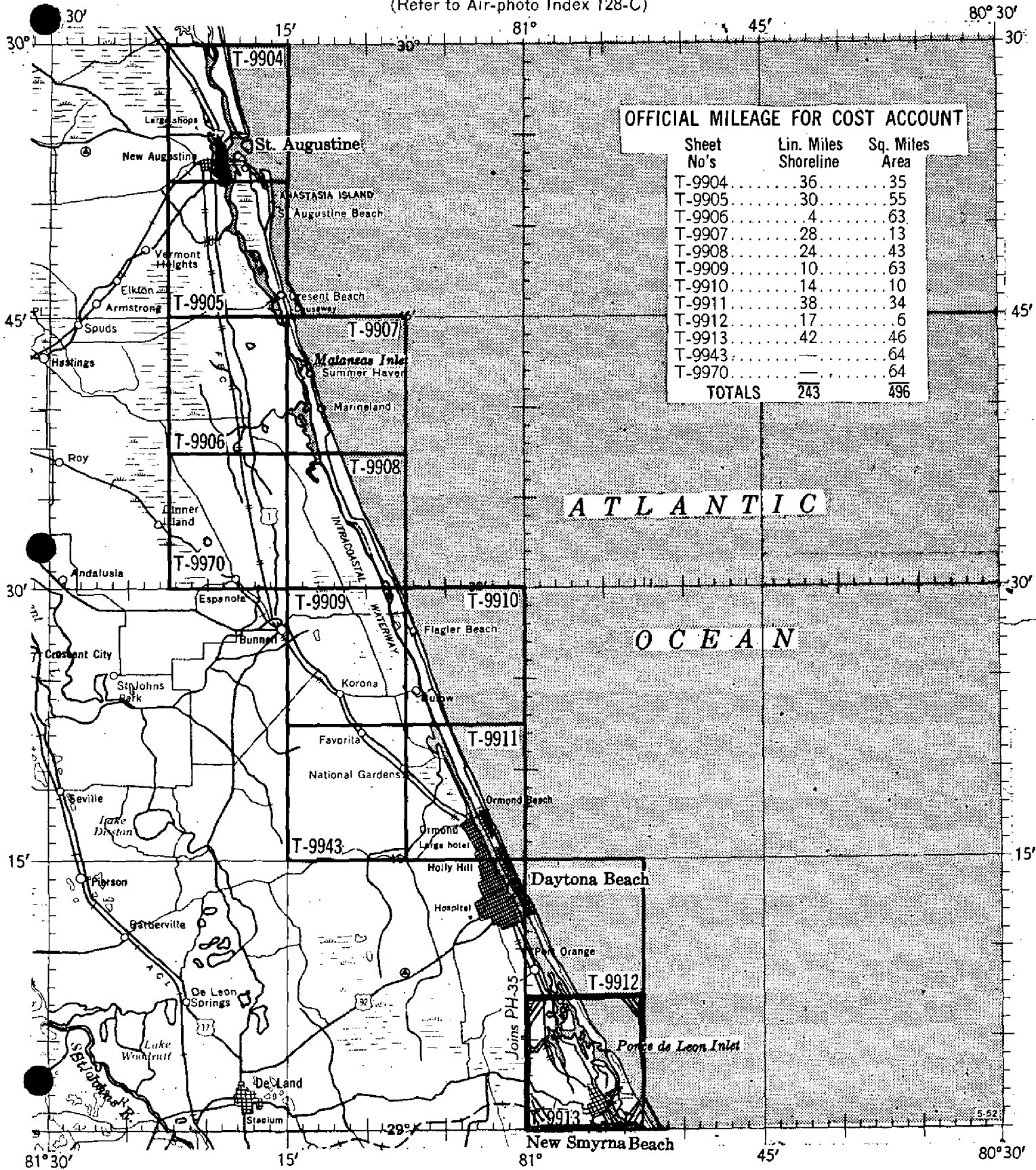
*** In addition two (2) new triangulation stations were established in 1956.**
**** One of these was changed to a triangulation intersection station in 1956.**

TOPOGRAPHIC MAPPING PROJECT PH-82

FLORIDA - EAST COAST, St. Augustine to New Smyrna Beach

Compiled by the U. S. Coast and Geodetic Survey at scale 1:20,000
from 1:20,000 scale nine-lens photographs taken February, 1952.

(Refer to Air-photo Index 128-C)



OFFICIAL MILEAGE FOR COST ACCOUNT

| Sheet No's | Lin. Miles Shoreline | Sq. Miles Area |
|---------------|----------------------|----------------|
| T-9904 | 36 | 35 |
| T-9905 | 30 | 55 |
| T-9906 | 4 | 63 |
| T-9907 | 28 | 13 |
| T-9908 | 24 | 43 |
| T-9909 | 10 | 63 |
| T-9910 | 14 | 10 |
| T-9911 | 38 | 34 |
| T-9912 | 17 | 6 |
| T-9913 | 42 | 46 |
| T-9943 | — | 64 |
| T-9970 | — | 64 |
| TOTALS | 243 | 496 |

ATLANTIC

OCEAN

New Smyrna Beach

81°

45'

80° 30'

81° 30'

15'

30'

5.52

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT T-9913

Topographic map T-9913 is the southernmost one of twelve similar maps in project PH-82 to be completed as standard quadrangles. The project covers the Florida coast from New Smyrna Beach Latitude $29^{\circ}00'$ to St. Augustine Latitude $30^{\circ}00'$.

This is a graphic compilation project. Field work in advance of compilation included complete field inspection and complete planetable contouring.

Map T-9913 was compiled at 1:20,000 scale. Single-lens photographs taken in 1948 and 1949 and nine-lens photographs taken in 1952 were used for field work. Unmounted nine-lens photographs were used in the radial plot. The map was field edited in February 1957. New photography (1956 "W" Camera 1:20,000 and 1:10,000 scale) was available for field edit. The map was corrected to the date of the new photography (October 1956). With the addition of hydrographic data the map will be published by the Geological Survey at a scale of 1:24,000.

Items registered under T-9913 will include a Descriptive Report, a positive impression on "Cronar" of the scribed copy of the manuscript and a lithographic print in colors of the published Geological Survey Quadrangle.

The Photogrammetric Plot Report And the Field Inspection Report are part of the Descriptive Report for Survey T-9912. Also see Shoreline Report submitted with the Descriptive Report for Survey T9911

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 9913 PROJECT NO. 24170 SCALE OF MAP 1:20,000 SCALE FACTOR

| STATION | SOURCE OF INFORMATION (INDEX) | DATUM | LATITUDE OR ϕ -COORDINATE LONGITUDE OR λ -COORDINATE | | DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS | | DATUM CORRECTION | N.A. 1927 - DATUM | | FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS |
|--|-------------------------------|--------------|--|------------------|---|------------------------|------------------|-------------------|----------------------|--|
| | | | FORWARD | (BACK) | FORWARD | (BACK) | | FORWARD | (BACK) | |
| SPRUCE, 1934 | G-3038 P-123 | N.A. 1927 | 29 06 81 02 | 12.218 06.813 | | | | 376.2 184.2 | (1471.1) (1438.2) | |
| Sub Pt SPRUCE, 1934 | | | 29 06 81 02 | | | | | 387.0 131.3 | (1460.3) (1491.1) | |
| K 88 FGS, 1934 | Desc. Volusia Co. P-9 | " | 1,704,648.42 510,920.13 | | 4,648.42 920.13 | (5351.58) (9079.87) | | 1416.8 280.5 | (1631.2) (2767.5) | |
| Sub Pt K 88 FGS, 1934 | | | 1,704,773.28 510,612.18 | | 4773.28 612.18 | (5226.72) (9387.82) | | 1454.9 186.6 | (1593.1) (2861.4) | |
| K 93 FGS, 1934 | Desc. Volusia Co. P-10 | " | 1,703,421.81 516,938.89 | | 3421.81 6938.89 | (6578.19) (3061.11) | | 1043.0 2115.0 | (2005.0) (933.0) | |
| Sub Pt K 93 FGS, 1934 | | | 1,703,620.37 516,948.66 | | 3620.37 6948.66 | (6379.63) (3051.34) | | 1103.5 2117.9 | (1944.5) (930.1) | |
| PALO NEGRO, 1874 | G-3040 P-146 | N.A. 1927 | 28 59 80 51 | 15.927 54.233 | | | | 490.3 1468.1 | (1356.8) (156.1) | |
| Sub Pt PALO NEGRO, 1874 | | | 28 59 80 51 | | | | | 502.3 1482.6 | (1344.8) (141.6) | |
| SMYRNA, 1934 | G-3038 P-123 | N.A. 1927 | 29 02 81 00 | 50.740 08.010 | | | | 1562.1 216.7 | (285.1) (1406.6) | |
| Sub Pt SMYRNA, 1934 | | | 29 02 81 00 | | | | | 1586.1 194.1 | (261.1) (1429.2) | Page 8 |
| NEW SMYRNA, BLACK WATERTANK, FINIAL, 1934 | G-3040 P-176 | N.A. 1927 | 29 00 80 55 | 40.569 29.417 | | | | 1249.0 796.1 | (598.2) (827.7) | 9 |
| NEW SMYRNA, MUNICIPAL WATERTANK, CENTER, 1934 | G-3040 P-190 | " | 29 01 80 55 | 04.558 21.139 | | | | 140.3 572.1 | (1706.9) (1051.7) | |

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T 9913 PROJECT NO 24170 SCALE OF MAP 1:20,000 SCALE FACTOR

| STATION | SOURCE OF INFORMATION (INDEX) | DATUM | LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -COORDINATE | | DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS | | DATUM CORRECTION | N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS | | FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS |
|--|-------------------------------|--------------|--|--------|---|--------|------------------|---|----------|--|
| | | | FORWARD | (BACK) | FORWARD | (BACK) | | FORWARD | (BACK) | |
| PONCE DE LEON INLET LIGHTHOUSE CENTER, 1934 | G-3040 P-190 | N.A. 1927 | 29 04 | 49.305 | | | | 1518.0 | (329.2) | |
| | | | 80 55 | 41.809 | | | | 1130.8 | (492.0) | |
| CORONADO BEACH SILVER WATERTANK FINIAL, 1934 | G-3040 P-176 | " | 29 02 | 12.587 | | | | 387.5 | (1459.7) | |
| | | | 80 54 | 01.162 | | | | 31.4 | (1592.0) | |
| SUTTON 2, 1934 | G-3040 P-145 | " | 29 07 | 01.070 | | | | 32.9 | (1814.3) | |
| | | | 80 58 | 16.912 | | | | 457.2 | (1164.9) | |
| Sub Pt SUTTON 2, 1934 | | | 29 07 | | | | | 36.8 | (1810.4) | |
| | | | 80 58 | | | | | 501.0 | (1121.1) | |
| ROSE, 1934 | G-3040 P-145 | " | 29 06 | 12.730 | | | | 341.9 | (1455.3) | |
| | | | 80 56 | 28.018 | | | | 757.6 | (864.8) | |
| ODYSSEY 2, 1906 | " | " | 29 04 | 51.442 | | | | 1583.7 | (263.5) | |
| | | | 80 57 | 16.489 | | | | 446.2 | (1176.5) | |
| Sub Pt ODYSSEY 2, 1906 | | | 29 04 | | | | | 1593.6 | (253.6) | |
| | | | 80 57 | | | | | 448.9 | (1173.8) | |
| CORONADO, 1934 | G-3038 P-124 | " | 29 02 | 36.383 | | | | 1120.1 | (727.1) | |
| | | | 80 53 | 57.595 | | | | 1558.3 | (65.1) | |
| Sub Pt CORONADO, 1934 | | | 29 02 | | | | | 1039.2 | (808.0) | |
| | | | 80 53 | | | | | 1565.4 | (58.0) | |
| Sub Pt HILL, 1934 | | | 29 00 | | | | | 1768.6 | (78.6) | Page |
| | | | 80 53 | | | | | 11.2 | (1612.6) | |
| NEW SMYRNA, 1934 | G-3040 P-146 | " | 29 01 | 04.550 | | | | 140.1 | (1707.1) | 9 |
| | | | 80 55 | 21.003 | | | | 568.4 | (1055.4) | |
| F 33A (USED), 1934 | G-3040 P-176 | " | 29 03 | 32.75 | | | | 1008.3 | (838.9) | |
| | | | 80 54 | 44.81 | | | | 1212.2 | (410.9) | |

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T 9913 PROJECT NO 24170 SCALE OF MAP 1:20,000 SCALE FACTOR

| STATION | SOURCE OF INFORMATION (INDEX) | DATUM | LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -COORDINATE | | DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS | | DATUM CORRECTION | N.A. 1927 - DATUM | | FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS |
|---------------------------|-------------------------------|-----------|---|--------|---|-----------|------------------|-------------------|----------|--|
| | | | FORWARD | (BACK) | FORWARD | (BACK) | | FORWARD | (BACK) | |
| Sub Pt F 33A (USED), 1934 | | N.A. 1927 | 29 03 | | | | | 910.1 | (937.1) | |
| | | | 80 54 | | | | | 1262.1 | (361.0) | |
| F 26 (USED), 1934 | G-3040 P-176 | " | 29 04 | 48.218 | | | | 1484.5 | (362.7) | |
| | | | 80 57 | 13.459 | | | | 364.0 | (1258.7) | |
| DA 216 FGS, 1937 | Desc. Volusia Co. P-4 | | 1,710.170.05 | | 170.05 | (9829.95) | | 51.8 | (2996.2) | |
| | | | 531,004.58 | | 1004.58 | (8995.42) | | 306.2 | (2741.8) | |
| K 99 FGS, 1934 | Desc. Volusia Co. P-10 | | 1,705,409.86 | | 5409.86 | (4590.14) | | 1648.9 | (1399.1) | |
| | | | 522,918.23 | | 2918.23 | (7081.77) | | 889.5 | (2158.5) | |
| Sub Pt K 99 FGS, 1934 | | | 1,705,395.62 | | 5395.62 | (4604.38) | | 1644.6 | (1403.4) | |
| | | | 522,820.77 | | 2820.77 | (7179.23) | | 859.8 | (2188.2) | |
| K 83 FGS, 1934 | Desc. Volusia Co. P-9 | | 1,711,157.16 | | 1157.16 | (8842.84) | | 352.7 | (2695.3) | |
| | | | 499,925.01 | | 9925.01 | (74.99) | | 3025.1 | (22.9) | |
| K 84 FGS, 1934 | " | | 1,709,825.00 | | 9825.00 | (175.00) | | 2994.7 | (53.3) | |
| | | | 501,051.72 | | 1051.72 | (8948.28) | | 320.6 | (2727.4) | |
| K 85 FGS, 1934 | " | | 1,709,510.10 | | 9510.10 | (489.90) | | 2898.7 | (149.3) | |
| | | | 502,020.91 | | 2020.91 | (7979.09) | | 616.0 | (2432.0) | |
| K 86 FGS, 1934 | " | | 1,706,214.37 | | 6214.37 | (3785.63) | | 1894.1 | (1153.9) | |
| | | | 508,051.86 | | 8051.86 | (1948.14) | | 2454.2 | (593.8) | |
| K 87 FGS, 1934 | " | | 1,705,325.61 | | 5325.61 | (4674.39) | | 1623.2 | (1424.8) | Page |
| | | | 509,104.34 | | 9104.34 | (895.66) | | 2775.0 | (273.0) | 5 |
| K 89 FGS, 1934 | " | | 1,704,745.25 | | 4745.25 | (5254.75) | | 1446.4 | (1601.6) | |
| | | | 511,713.64 | | 1713.64 | (8286.36) | | 522.3 | (2525.7) | |
| K 91 FGS, 1934 | " | | 1,705,385.43 | | 5385.43 | (4614.57) | | 1641.5 | (1406.5) | |
| | | | 515,170.64 | | 5170.64 | (4829.36) | | 1576.0 | (1472.0) | |

COMPUTED BY: H.R. Rudolph

DATE: 4 December 1952

CHECKED BY: A. Queen

DATE: 12-9-52

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 9913 PROJECT NO. 24170 SCALE OF MAP 1:20,000 SCALE FACTOR

| STATION | SOURCE OF INFORMATION (INDEX) | DATUM | LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE | DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS | | DATUM CORRECTION | N.A. 1927 - DATUM | | FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS |
|--|---|--------------|---|---|------------------------|------------------|--|----------------------|--|
| | | | | FORWARD | (BACK) | | FROM GRID OR PROJECTION LINE IN METERS | (BACK) | |
| K 94 | FGS, 1934 Desc. Volusia Co. P-19 | N.A. 1927 | 1,702,758.97 517,570.66 | 2758.97 7570.66 | (7241.03) (2429.34) | | 840.9 2307.5 | (2207.1) (740.5) | |
| K 95 | FGS, 1934 Desc. Volusia Co. P-10 | " | 1,702,618.50 519,662.84 | 2618.50 9662.84 | (7381.50) (337.16) | | 798.1 2945.2 | (2249.9) (102.8) | |
| K 96 | FGS, 1934 | " | 1,702,861.52 520,263.50 | 2861.52 263.50 | (7138.48) (9736.50) | | 872.2 80.3 | (2175.8) (2967.7) | |
| K 100 | FGS, 1934 | " | 1,706,281.22 524,901.77 | 6281.22 4901.77 | (3718.78) (5098.23) | | 1914.5 1494.1 | (1133.5) (1553.9) | |
| Sub Pt ROSE, 1934 | | | 29 06 80 56 | | | | 378.0 772.3 | (1469.2) (850.1) | |
| GIMLET, 1956 | P-1004 | N.A. 1927 | 29 03 59.441 80 54 48.488 | | | | 1830.0 1311.6 | (17.2) (311.4) | |
| NEW SMYRNA BEACH MUNICIPAL WATER TANK, 1956 | P-1004 | " | 29 01 36.995 80 55 21.264 | | | | 1139.0 575.4 | (708.2) (1048.2) | |

COMPILATION REPORT
T-9913

The Photogrammetric Plot Report, and the Field Inspection Report are part of the Descriptive Report for Survey T-9912. Also see Shoreline Report submitted with the Descriptive Report for Survey T-9911.

31. DELINEATION- Graphic methods were used to delineate this manuscript.
32. CONTROL- The identification, density and placement of control is adequate.
33. SUPPLEMENTAL DATA- The final name standard dated 10-12-56, Port Orange Quad. was used for Geographic Names.

Copies of the following plats were used to delineate the public land lines:

- T-16 S R 33 E (pages 28,29,30 and 31)
T-16 S R 34 E (pages 34 and 37)
T-17 S R 33 E (pages 32 and 33)
T-17 S R 34 E (pages 35,36 and 37)

AAA Highway map of Florida was used as a guide in determining road objectives.

Florida East Coast Railway Plans used as a guide for railroad delineation.

Map of Central Section city of New Smyrna Beach, Fla. was available.

Refer to the Boundary Report Ph-82(51) March 1953 for information pertaining to various reservations and boundary lines appearing on this manuscript.

34. CONTOURS AND DRAINAGE- Contours: Contours are not complete in a small area in the extreme southeast corner of the manuscript. *(Completed by field editor)*
Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS- Shoreline inspection was adequate. In many places the low water line was delineated from office interpretation of the photographs. *Most of the LW line in inland water areas (including Ponce de Leon Inlet & Intracoastal Waterway) changed to "shallow". See item 67. of the Review Report.*

36. OFFSHORE DETAILS- No comment.

37. LANDMARKS AND AIDS- Forms 567 are submitted for ~~six (6)~~ *seven (7)* landmarks, one (1) aeronautical aid, and eight (8) ~~non-floating aids to be charted.~~ *Total of forty-six (46) non-floating aids (Forms 567 submitted).*
Forms 567 are submitted for nineteen (19) non-floating aids to be deleted.

Since the date of field inspection additional aids have been moved and some have been discontinued. Only those aids whose positions have not been changed are shown on the manuscript. *All aids located photogrammetrically and shown on the manuscript (applied from field data).*
edit

Refer to page 3 of the Shoreline Report, and to letter 731 mkk dated 14 December 1953. Subject: Aids to Navigation - Project Ph-82 Florida.

38. CONTROL FOR FUTURE SURVEYS- Forms 524 are submitted for five (5) recoverable topographic stations:

RADIO TOWER, 1952

~~WATER SPHERE, 1952~~

4 (NEW SMYRNA BEACH MUNICIPAL WATER TANK, 1956)

LOOKOUT TOWER, 1952

SUTTON 2 AZ MK (1934), 1952

ODYSSEY 2 AZ MK (1906), 1952

39. JUNCTIONS- Junction has been made and is in agreement to the North with T-9912. To the East is an all water area.

Junction to the West is not entirely in agreement, but it is believed that after field edit discrepancies along this junction can be reconciled.

Discrepancies along the South junction with T-9161 (1948) should be resolved in the Washington Office.

40. HORIZONTAL AND VERTICAL ACCURACY- No comment.

41. PUBLIC LAND LINES- Refer to page 3 of the Boundary Report for this project.

Most of the land lines as presently delineated are considered unreliable. The corners have been inked on the manuscript to aid the field editor in the recovery of additional corners. The lines have been penciled until after field edit.

42.-45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS- This manuscript has been compared with Bureau survey T-4530 (1930) scale 1:20,000. Comparison was also made with A.M.S. Quad. Port Orange, Florida, scale 1:50,000, published 1947.

47. COMPARISON WITH NAUTICAL CHARTS- This manuscript has been compared with Chart No. 843, scale 1:40,000, published Jan. 1952 and corrected to 9-8-56.

Items to be applied to Nautical Charts Immediately: None

Items to be carried forward: None

Respectfully submitted
26 October 1956

 Jacqueline B. Phillips
Jacqueline B. Phillips
Carto. Photo. Aid

Approved & Forwarded

 E. H. Kirson
E. H. Kirson
Capt. U.S.C. & G.S.
Baltimore District Office

T-9913

48. GEOGRAPHIC NAMES LIST

Allandale ✓
 Atlantic Ocean ✓
 Backlash Creek ✓
 Bass Flats ✓
 Big Cove ✓
 Big Snapper Cut ✓
 Blind Spruce Creek ✓
 Braddock Creek ✓
 Browns Bay ✓
 Callalisa Creek ✓
 Connor Creek ✓ *chicken Island* ✓
 Cook Creek ✓ *Chisolm School* ✓
 Cook Creek ✓ *Coronado Beach Bridge* ✓
 Daggett Island ✓
 Dead End Creek ✓
 Edgewater ✓
 Florida East Coast Railroad ✓
 Florida Hwy 40 ✓ *Florida Hwy 40A* ✓
 Florida Hwy 1A ✓
 Fools Creek ✓
 Fozzard Creek ✓
 Grass Islands ✓ *Glencoe Rd.* ✓
 Half Dollar Island ✓
 Halifax Canal ✓
 Halifax River ✓
 Hunter Creek ✓
 Indian River North ✓
 Inlet Creek ✓
 Inlet Harbor ✓
 Intracoastal Waterway ✓
 Isleboro ✓
 Little Snapper Cut ✓
 Live Oak Creek ✓
 Live Oak Point ✓
 Long Creek ✓
 Lost Creek ✓
 Mill Creek ✓
 Mission City ✓
 Murray Creek ✓
 New Smyrna Beach ✓
 New Smyrna Beach Municipal Airport ✓
 New Smyrna Beach Municipal Golf Course ✓
 New Smyrna Ruins (Old Franciscan Mission) ✓
 New Smyrna ^{Beach} Yacht Club ✓
 New Smyrna Beach Yacht Basin ✓
 Piddler Island ✓
 Ponce de Leon Cut ✓
 Ponce de Leon Inlet ✓
 Ponce de Leon Lifeboat Station ✓
 Ponce de Leon Light Station (aband) ✓
 Ponce Park ✓
 Rockhouse Creek ✓ *Redland Canal* ✓
 Rose Bay ✓
 Sheephead Cut ✓
 Smyrna Creek ✓
 South Canal ✓
 Spruce Creek ✓
 Strickland Bay ✓
 Turnbull Bay ✓ *one word* ✓
 Turnbull Bay ✓ *Ten Mile creek* ✓
 Turnbull Bay ✓ *The Fish Memorial Hospital* ✓
 Turnbull Creek ✓
 U.S. 1 ✓
 Volusia County ✓
 Wilbur Bay ✓
 Names verified by L. Hech
 5/26/56

PHOTOGRAMMETRIC OFFICE REVIEW

T-9913

- 1. Projection and grids
- 2. Title
- 3. Manuscript numbers
- 4. Manuscript size

CONTROL STATIONS

4a. Classification label

- 5. Horizontal control stations of third-order or higher accuracy
- 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)
- 7. Photo hydrant stations
- 8. Bench marks
- 9. Plotting of sextant fixes
- 10. Photogrammetric plot report
- 11. Detail points

ALONGSHORE AREAS

(Nautical Chart Data)

- 12. Shoreline
- 13. Low-water line
- 14. Rocks, shoals, etc.
- 15. Bridges
- 16. Aids to navigation
- 17. Landmarks
- 18. Other alongshore physical features
- 19. Other along-shore cultural features

PHYSICAL FEATURES

- 20. Water features
- 21. Natural ground cover
- 22. Planetable contours
- 23. Stereoscopic instrument contours
- 24. Contours in general
- 25. Spot elevations
- 26. Other physical features

CULTURAL FEATURES

- 27. Roads
- 28. Buildings
- 29. Railroads
- 30. Other cultural features

BOUNDARIES

- 31. Boundary lines
- 32. Public land lines

MISCELLANEOUS

- 33. Geographic names
- 34. Junctions
- 35. Legibility of the manuscript
- 36. Discrepancy overlay
- 37. Descriptive Report
- 38. Field inspection photographs
- 39. Forms

40. R. Glavin Frank J. Tarcza
 Reviewer Supervisor, Review Section of Unit

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.

Hornick TARCZA
 Compiler Supervisor

43. Remarks:

FIELD EDIT REPORT
Project 24170(6082)
Quadrangle T-9913

The field edit of this quadrangle was accomplished during the months of January and February 1957.

51. METHODS

The inspection of the quadrangle was accomplished by traversing all roads by truck, walking to other areas which required special attention, and by skiff along the waterways. Instructions were followed in accordance with letter to Baltimore District Office, dated 9 November 1956, 731-mk1. Standard surveying methods were used for other corrections and additions.

All additions, corrections and deletions have either been indicated on the field edit sheet, referenced to the field photographs, or answered directly on the discrepancy print or geographic names print. A legend, describing the colored inks used, is shown on the field edit sheet. Purple ink was used for additional information on the photographs.

One 1:20,000 scale print is submitted as a field edit sheet.

Thirty-nine photographs, on which field edit information has been shown, are listed as follows:

| | | | | |
|-----------|-----------|-----------|----------|-------|
| 56-W-3635 | 56-W-3773 | 56-W-4033 | 49-O-122 | 34933 |
| 3636 | 3775 | 4036 | 123 | |
| 3756 | 3777 | 4039 | 124 | |
| 3757 | 3785 | 4044 | 48-J-509 | |
| 3759 | 3786 | 4045 | | |
| 3760 | 3787 | 4046 | | |
| 3761 | 3788 | 4047 | | |
| 3762 | 3789 | 4066 | | |
| 3770 | 3790 | 4066 | | |
| 3771 | 3791 | 4067 | | |
| 3772 | 3792 | 4068 | | |
| | | 4075 | | |

52. ADEQUACY OF COMPILATION

The compilation was adequate with the exceptions and additions indicated by the field edit data. It is believed that the compilation will be complete after these are applied.

This area has changed considerably since the original field inspection. Many houses, roads, streets, ditches, ponds etc. have been constructed both along the beach section and on the mainland.

U.S. Highway 1 was under construction during the the field edit. This highway will eventually be a four-lane highway and as a whole will parallel the present two-lane pavement on the west. There have been no notes or delineation shown on the field photographs as the project has just been started. The present project consists of an area from Rose Bay to the southern limits of the New Smyrna Airport.

The routing of Florida State Highway 40 has been changed since the original field inspection. Adequate notes have been shown on photographs 56-W-3762 and 3786.

All fixed aids to navigation were identified on the 1:10,000 scale 1956 photographs with the exception of Ponce De Leon Cut Daybeacon 12, Hillsborough River Light 35 and Hillsborough River Daybeacon 37. Hillsborough River Light 35 was identified on a 1:20,000 scale 1956 photograph. The two daybeacons were located by angle and distance from photo points on the 1:20,000 scale 1956 photographs. The three aids, which were not identified on the 1:10,000 scale photographs, were located otherwise because there was no coverage of the 1:10,000 scale photography. Form 567 is submitted for all of the aids within the limits of this sheet and form M-2226-12 is submitted for the two daybeacons located by photo points. According to the discrepancy print, a few of the positions of the aids could be correct as shown on the manuscript, however since they could be pricked direct, it was felt that they could be verified by the compiler.. A magnifier was used to identify the daybeacons and in each case the position of the daybeacon was checked thoroughly by two men.

The corporate limits of New Smyrna Beach have been changed slightly since the original field inspection. The new limits have been shown on the discrepancy print. The changes were delineated with the aid of the City Engineer and no maps or description was available.

The discrepancy print requested the location of a land-grant corner and a section corner in the vicinity around Spruce Creek. An attempt was made to locate corners in this area but nothing could be found. One section corner and two points on line were identified, however, in the immediate vicinity. Form M-2226-12 is submitted for the section corner.

The swamp limits, which were questioned near the west-central portion of the sheet, have been revised. The recommended limits are shown on the contour photographs.

Clearances for the Coronado Beach Bridge were measured and noted on the discrepancy print. This is an arched bridge and the vertical clearance was measured from both the center of the arch and from the lowest point. The height above high-water was not noted as a 1957 Tide Table was not available at this time.

53. MAP ACCURACY

The horizontal positions of the map detail appear to be good. No standard vertical accuracy test was requested and none was made.

The contours were visually checked and were found to adequately depict the terrain. Since the original contouring, there have been numerous man-made changes which affected the contours. Many new spoil banks along the Intracoastal Waterway were made during the 1952 and 1953 dredging operations. Also new roads and ponds affected the contours in other areas.

The contouring of an area, near the extreme southeastern portion of the sheet, was completed. It is shown on the field edit sheet.

54. RECOMMENDATIONS

None

55. EXAMINATION OF PROOF COPY

Mr. W.E. Swoope Jr., registered land surveyor of the State of Florida and a resident of New Smyrna Beach for forty-years, has agreed to examine a proof copy of this quadrangle for possible errors. Mr. Swoope's address is: 124 Canal Street, New Smyrna Beach, Florida.

Several geographic names were corrected during the field edit on the Geographic Names Print:

The name CONNOR CREEK was misplaced. This name applies to a canal cut by a Mr. Connor.

The name BACKLASH CREEK is no longer known by any of the local residents. The name is recommended for deletion.

The name LONG CREEK was not known by anyone contacted. The small creek is partially filled with spoil and is not navigable. The name is recommended for deletion.

The name MURRAY CREEK was misplaced. This name applies to a small creek to the west of U.S. Highway 1.

The name GLENCOE ROAD is a new name. It is well known and recommended. *near S.W. corner of sheet*

The names FOOLS CREEK and TEN MILE CREEK are in dispute. Several local residents and fisherman were contacted and only one person knew this creek as FOOLS CREEK where many know the creek as TEN MILE CREEK. The name TEN MILE CREEK is recommended.

one word

The name REDLAND CANAL is a new name which applies to a canal constructed recently. The name is recommended.

The name CHICKEN ISLAND is a new name. The name is well known by the local inhabitants and is recommended.

All other geographic names were verified as shown on the advance manuscript.

Field edit name changes verified by C. Heck 5/26/58

12 February 1957
Submitted by:

Joseph K. Wilson
Joseph K. Wilson
Cartographer

Ira R. Rubottom
CDR, USC&GS
Chief of Party

REVIEW REPORT
TOPOGRAPHIC SURVEY T-9913
June 1958

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-4133 1:10,000 1925 T-4530 1:20,000 1928
T-4134 1:10,000 1925 T-4553 1:20,000 1928

T-9913 supersedes these prior surveys for nautical charting in common areas.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Port Orange, Florida 1:50,000 1947 (AMS)

The map is outdated.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

None

65. COMPARISON WITH NAUTICAL CHARTS

843 1:40,000 1952 revised 11/25/1957
1244 1:80,000 1930 revised 4/14/1958
1245 1:80,000 1931 revised 4/21/1958

Numerous cultural changes have occurred in the area. The 1956 (1:10,000 scale) photographs taken at the approximate time of mean low water indicate changes in many of the shoals. Numerous aids to navigation were moved prior to field edit. The aids are not shown in their new positions on Chart 843.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with National Standards of Map Accuracy and Bureau requirements.

67. MEAN LOW WATER LINE

Numerous shoals evident on the 1956, 1:10,000 scale photographs taken at the approximate time of low water are classified as shallow on the manuscript. Apparently most of the shoals are covered at mean low water.

- 2 -

68. GRANTS AND PUBLIC LAND LINES

Thomas Napier Grant - Ambrose Hull Grant

The position of the Thomas Napier Grant as shown on T-9913 is not in the same relative position with section lines and three field identified section corners in the area that is indicated on the land plots. Three Napier Grant corners were found and their photo positions established by planetable. Use of the positions of these corners affects the west boundary line of the Ambrose Hull Grant and the line between sections 25 and 26 resulting in poor junctions with T-9161 (USGS Quadrangle Edgewater).

Jose Sanchez Grant

The west boundary of this grant is in error on T-9161 (Edgewater Quadrangle). The Robert Shepard Grant (50) shown on T-9913 is included in the area of the Sanchez Grant. The Sanchez Grant west boundary line should be a continuation of the Shepard Grant west boundary line to the point of intersection with the Geronimo Alvarez Grant on T-9161.

Public Land Lines - Barrier Beach

North-south section lines are not mapped on the barrier beach. Most of the east-west lines are shown as unreliable. No section corners or points on north-south lines were recovered. Two east-west accepted section lines and two points on east-west lines were recovered.

69. NEW SMYRNA BEACH CORP. LIMITS

The part of the town of New Smyrna Beach shown on T-9161 (Edgewater Quadrangle) is no longer included in the corporate limits. The town falls within the limits of T-9913. The corporate limits were verified by the field editor.

70. JUNCTIONS

Junctions are good with T-9912 (PH-82) to the north and with T-9101 (PH-35) to the west. Junction with T-9161 to the south is discussed in items 68 and 69 of this report.

Reviewed by

S. G. Blankenbaker
S. G. Blankenbaker

Approved by

L. C. Lande
Chief, Review and Drafting Section
Photogrammetry Division

W. J. Ferguson
Chief, Photogrammetry Division

22 July 59

[Handwritten initials]

Max Skelton
Chief, Nautical Charts
Branch

W. B. Smith
Chief, Coastal Surveys
Division

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Baltimore, Maryland

Nov. 19 56

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks be charted on (deleted from) the charts indicated.
The positions given have been checked after listing by

H. Glaser

(Signed) E. H. Kirsch

E. H. Kirsch Chief of Party.

| STATE | CHARTING NAME | DESCRIPTION | SIGNAL NAME | POSITION | | | | | | DATE OF LOCATION | METHOD OF LOCATION AND SURVEY T-9913 | HARBOR CHART | INSHORE CHART | OFFSHORE CHART | CHARTS AFFECTED |
|---------|---------------|---|-------------|------------|------------------|-------------|------------------|--------------|--------------|------------------|--------------------------------------|--------------|---------------|----------------|-----------------|
| | | | | LATITUDE * | | LONGITUDE * | | DATUM | | | | | | | |
| | | | | ° | ' | ° | ' | D. M. METERS | D. P. METERS | | | | | | |
| FLORIDA | LIGHT 122 | Halifax River Light Moved | 62 | 29 07 | 19.59 603 | 80 57 | 55.11 1490 | N.A. 1927 | Red Plot | 1952 | X | X | | 843 | |
| | DAYBEACON 128 | Halifax River Daybeacon Moved | 70 | 29 06 | 19.75 608 | 80 57 | 14.76 399 | " | " | " | X | X | | " | |
| | DAYBEACON 130 | Halifax River Daybeacon " | 72 | 29 05 | 52.13 1605 | 80 57 | 02.77 75 | " | " | " | X | X | | " | |
| | DAYBEACON 132 | Ponce de Leon Cut Daybeacon " | 2 | 29 05 | 38.26 1178 | 80 57 | 00.00 00 | " | " | " | X | X | | " | |
| | LIGHT 134 | Ponce de Leon Cut Light | 4 | 29 05 | 19.75 608 | 80 57 | 01.52 41 | " | " | " | X | X | | " | |
| | DAYBEACON 138 | Ponce de Leon Cut Daybeacon | 8 | 29 04 | 08.70 268 | 80 56 | 24.55 664 | " | " | " | X | X | | " | |
| | LIGHT 142 | Ponce de Leon Cut Light Moved | 10 | 29 03 | 35.76 1101 | 80 56 | 04.55 123 | " | " | " | X | X | | " 843 | |
| | LIGHT 166 | Hillsborough River Light | 38 | 29 01 | 42.62 1312 | 80 55 | 08.57 232 | " | " | " | X | X | | " | |
| | LIGHT HOUSE | Ponce de Leon Inlet (Ponce de Leon Inlet L.H. Center, 1934) | | 29 04 | 49.305 1518.0 | 80 55 | 41.809 1130.8 | " | " | 1934 | TTL | X | X | 834 1245 | |
| | | See Form No 567 dated 1 Oct 1957 | | | | | | | | | | | | | |
| | | for aids listed above. (LIGHTS Moved or new numbers) | | | | | | | | | | | | | |

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

Baltimore, Maryland November, 19 56

I recommend that the following objects which have ~~(been)~~ not been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by

R. Glaser

(Signed) E. H. Kirsch

E. H. Kirsch

Chief of Party.

| STATE | CHARTING NAME | DESCRIPTION | SIGNAL NAME | POSITION | | | | DATUM | METHOD OF LOCATION AND SURVEY No. T-9713 | DATE OF LOCATION | HARBOR CHART | INSHORE CHART | OFFSHORE CHART | CHARTS AFFECTED | |
|---------|-------------------------|--|-------------|------------------|------------------|------------------|-----------------|--------------|--|------------------|--------------|---------------|----------------|-----------------|--|
| | | | | LATITUDE * | | LONGITUDE * | | | | | | | | | |
| | | | | ° ' " | D. M. METERS | ° ' " | D. P. METERS | | | | | | | | |
| FLORIDA | LOOKOUT TOWER | (Coast Guard No. 203) Skeleton Steel, ht=50(85) | | 29 04 | 02.92 | 80 54 | 48.73 | N.A. 1927 | Rad Plot | 1952 | X | X | X | 843 ok 1245 | |
| | TANK | (Elevated) (Coronado Beach, Silver Water Tank, Final, 1934) ht=138(115) | | 29 02 | 12.587 | 80 54 | 01.162 | " | Tri. | 1934 | X | X | " | " | |
| | WATER SPHERE | (Elevated) New Smyrna Beach Municipal Water Spheres, Steel, ht=154(161) | | 29 01 | 11.32 | 80 55 | 57.1 | " | Rad. Plot | 1952 | X | X | X | " | |
| | TANK | (Elevated) (New Smyrna Municipal Water Tank Center, 1934) ht=112(120) | | 29 01 | 04.558 | 80 55 | 21.139 | " | Tri. | 1934 | X | X | X | " | |
| | TANK | (Elevated) (New Smyrna, Black Water Tank, Final, 1934) ht=127(135) | | 29 00 | 40.569 | 80 55 | 29.417 | " | " | " | X | X | X | " | |
| | RADIO TOWER | (Station WSB) Steel ht=152(156) | | 29 00 | 49.76 | 80 54 | 52.43 | " | Rad. Plot | 1952 | X | X | X | " 843 ok | |
| | LIGHT HOUSE | (Ponce de Leon Inlet Lighthouse, Center, 1934) ht=168(175) | | 29 04 | 49.305 | 80 55 | 14.19 | " | Tri. | 1934 | X | X | X | " 843 ok | |
| | | | | | | | | | | | | | | | |
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* A Triangulation 1956 - see form 567 dated 1 Oct 1957

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* TABULATE SECONDS AND METERS

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~ALGEBRAICAL~~
NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED STRIKE OUT ONE 1952
~~TO BE DELETED~~ St. Augustine, Florida November

I recommend that the following objects which have (insert) been inspected from seaward to determine their value as landmarks be charted on (~~insert~~) the charts indicated.

The positions given have been checked after listing by Henry R. Spies

Paul Taylor Chief of Party

| STATE | CHARTING NAME | DESCRIPTION | SIGNAL NAME | POSITION | | | | | METHOD OF LOCATION AND SURVEY | DATE OF LOCATION | CHARTS AFFECTED | | | | |
|---------|---------------|--|-------------|-----------|---------|------------|---------|---------|-------------------------------|------------------|-----------------|-------------------|----------------|--|--|
| | | | | LATITUDE* | | LONGITUDE* | | | | | HARBOR CHART | INSHORE CHART | OFFSHORE CHART | | |
| | | | | D. M. | SECONDS | D. P. | MINUTES | SECONDS | | | D. P. | D. P. | | | |
| FLORIDA | MARINE LIGHT | (Ponce de Leon Inlet, Lighthouse, Center, 1934) (176 151) | | 29 04 | 51 30.5 | 81 55 | 41.809 | U. A. | 1927 | T-2913 | 1934 | ORLANDO (O-8) 843 | | | |
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This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

~~TO BE DELETED~~
TO BE DELETED

STRIKE OUT ONE

St. Augustine, Florida August 19 52

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be charted on ~~(charts)~~ the charts indicated.

The positions given have been checked after listing by Henry R. Spies

Paul Taylor Chief of Party.

| STATE | FLORIDA | CHARTING NAME | DESCRIPTION | SIGNAL NAME | POSITION | | | | METHOD OF LOCATION AND SURVEY NO. | DATE OF LOCATION | HARBOR CHART | INSHORE CHART | OFFSHORE CHART | CHARTS AFFECTED | |
|-----------|---------|---------------|------------------------------|-------------|-----------|-------------|------------|-------------|-----------------------------------|------------------|--------------|---------------|----------------|-----------------|-------|
| | | | | | LATITUDE* | | LONGITUDE* | | | | | | | | DATUM |
| | | | | | ° ' " | D.M. METERS | ° ' " | D.P. METERS | | | | | | | |
| DAYBEACON | | 141 | Ponce de Leon Cut Daybeacon | | 29 03.7 | | 80 56.2 | | | | X | | 843 | | |
| DAYBEACON | | 143 | " " " " | | 29 03.6 | | 80 55.8 | | | | X | | " | | |
| DAYBEACON | | 144 | " " " " | | 29 03.4 | | 80 55.5 | | | | X | | " | | |
| DAYBEACON | | 145 | " " " " | | 29 03.4 | | 80 55.4 | | | | X | | " | | |
| DAYBEACON | | 147 | " " " " | | 29 03.4 | | 80 55.0 | | | | X | | " | | |
| LIGHT | | 148 | " " " Light | | 29 03.4 | | 80 54.9 | | | | X | | " | | |
| DAYBEACON | | 150 | Hillsborough River Daybeacon | | 29 03.1 | | 80 54.3 | | | | X | | " | | |
| LIGHT | | 152 | " " " Light | | 29 02.8 | | 80 54.3 | | | | X | | " | | |
| DAYBEACON | | 156 | " " " Daybeacon | | 29 02.0 | | 80 54.4 | | | | X | | " | | |
| DAYBEACON | | 158 | " " " " | | 29 01.9 | | 80 54.5 | | | | X | | " | | |
| DAYBEACON | | 159 | " " " " | | 29 01.9 | | 80 54.5 | | | | X | | " | | |
| DAYBEACON | | 161 | " " " " | | 29 01.8 | | 80 54.8 | | | | X | | " | | |
| DAYBEACON | | 163 | " " " " | | 29 01.7 | | 80 55.0 | | | | X | | " | | |
| DAYBEACON | | 165 | " " " " | | 29 01.6 | | 80 55.0 | | | | X | | " | | |

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

~~TO BE CHARTED~~ } STRIKE OUT ONE
TO BE DELETED

St. Augustine, Florida August 1952

I recommend that the following objects which have ~~(REMOVED)~~ been inspected from seaward to determine their value as landmarks be ~~REMOVED~~ ~~(REMOVED)~~ the charts indicated.

The positions given have been checked after listing by Henry R. Spies

Paul Taylor *Chief of Party*

| STATE | FLORIDA | CHARTING NAME | DESCRIPTION | SIGNAL NAME | POSITION | | | | METHOD OF LOCATION AND SURVEY NO. | DATE OF LOCATION | CHARTS AFFECTED | | |
|-----------|---------|---------------|------------------------------|-------------|---------------------|----------------------|-------------|-------|-----------------------------------|------------------|-----------------|---------------|----------------|
| | | | | | LATITUDE * ° ' " | LONGITUDE * ° ' " | D.P. METERS | DATUM | | | HARBOR CHART | INSHORE CHART | OFFSHORE CHART |
| DAYBEACON | | 167 | Hillsborough River Daybeacon | | 29 01.5 | 80 55.0 | | | | | X | | 843 |
| DAYBEACON | | 169 | " " | | 29 01.2 | 80 55.1 | | | | | X | | " |
| DAYBEACON | | 171 | " " | | 29 01.1 | 80 55.1 | | | | | X | | " |
| DAYBEACON | | 175 | " " | | 29 00.7 | 80 54.7 | | | | | X | | " |
| DAYBEACON | | 178 | " " | | 29 00.3 | 80 54.4 | | | | | X | | " |
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This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE CHARTED~~

STRIKE OUT ONE

Baltimore, Maryland 1 October 1957

I recommend that the following objects which have ~~(4444/444)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(4444/444)~~ the charts indicated.

The positions given have been checked after listing by H. K. Rudolph

William F. Deane Chief of Party.

| CHARTING NAME | DESCRIPTION | SIGNAL NAME | POSITION | | | | | | METHOD OF LOCATION AND SURVEY No. Rad. | DATE OF LOCATION | HARBOR CHART | OFFSHORE CHART | CHARTS AFFECTED |
|-----------------------------------|------------------------------|-------------|--------------|-------|--------------|-------|-------|------|--|------------------|--------------|----------------|-----------------|
| | | | LATITUDE* | | LONGITUDE* | | DATUM | | | | | | |
| | | | D. M. METERS | " | D. P. METERS | " | | | | | | | |
| FLORIDA | <i>Same as L. 792 (1957)</i> | | 29 00 | 03.96 | 80 54 | 21.54 | N.A. | 1927 | 1957 | X | | 843 | |
| HILLSBOROUGH RIVER LIGHT (49) | | | 29 00 | 122 | 80 54 | 583 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER DAYBEACON (48) | | | 29 00 | 03.28 | 80 54 | 23.35 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER DAYBEACON (47) | | | 29 00 | 101 | 80 54 | 632 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER DAYBEACON (46) | | | 29 00 | 27.32 | 80 54 | 33.55 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER LIGHT (45) | | | 29 00 | 841 | 80 54 | 908 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER DAYBEACON (43) | | | 29 01 | 1508 | 80 55 | 1284 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER LIGHT (38) | | | 29 01 | 54.47 | 80 55 | 48.04 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER DAYBEACON (37) | | | 29 01 | 1677 | 80 55 | 1300 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER LIGHT (35) | | | 29 01 | 08.51 | 80 55 | 00.18 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER DAYBEACON (34) | | | 29 01 | 262 | 80 55 | 5 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER LIGHT (33) | | | 29 01 | 11.17 | 80 55 | 04.84 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER DAYBEACON (32) | | | 29 01 | 344 | 80 55 | 131 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER LIGHT (30) | | | 29 01 | 42.62 | 80 55 | 08.57 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER DAYBEACON (30) | | | 29 01 | 1312 | 80 55 | 232 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER DAYBEACON (30) | | | 29 01 | 46.74 | 80 54 | 59.35 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER DAYBEACON (30) | | | 29 01 | 1439 | 80 54 | 1606 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER LIGHT (30) | | | 29 01 | 51.29 | 80 54 | 48.86 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER DAYBEACON (30) | | | 29 01 | 1579 | 80 54 | 1322 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER DAYBEACON (30) | | | 29 01 | 57.07 | 80 54 | 33.63 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER DAYBEACON (30) | | | 29 01 | 1757 | 80 54 | 910 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER LIGHT (30) | | | 29 01 | 54.73 | 80 54 | 27.76 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER DAYBEACON (30) | | | 29 01 | 1685 | 80 54 | 751 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER DAYBEACON (30) | | | 29 02 | 01.62 | 80 54 | 26.39 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER LIGHT (30) | | | 29 02 | 50 | 80 54 | 714 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER LIGHT (30) | | | 29 02 | 07.60 | 80 54 | 22.51 | " | " | " | X | | " | |
| HILLSBOROUGH RIVER LIGHT (30) | | | 29 02 | 234 | 80 54 | 609 | " | " | " | X | | " | |

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* TABULATE SECONDS AND METERS

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~AS BE REVERTED~~

STRIKE OUT ONE

Baltimore, Maryland

1 October 1957

I recommend that the following objects which have ~~(deleted)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted)~~ the charts indicated.

The positions given have been checked after listing by H. H. Rudolph

| STATE | CHARTING NAME | DESCRIPTION | SIGNAL NAME | POSITION | | | | | | METHOD OF LOCATION AND SURVEY No. Red. | DATE OF LOCATION | HARBOR CHART | INSHORE CHART | OFFSHORE CHART | CHARTS AFFECTED |
|---------|---------------|-----------------------------------|-------------|-----------|----|------------|----|-----------|--------|--|------------------|--------------|---------------|----------------|-----------------|
| | | | | LATITUDE* | | LONGITUDE* | | DATUM | | | | | | | |
| | | | | ° | ' | ° | ' | | | | | | | | |
| FLORIDA | | | | | | | | | | | | | | | |
| | | HILLSBOROUGH RIVER LIGHT (29) | | 29 | 02 | 80 | 54 | N.A. 1927 | T-9913 | 1957 | X | | | 843 | |
| | | HILLSBOROUGH RIVER DAYBEACON (28) | | 29 | 02 | 80 | 54 | " | " | " | X | | | " | |
| | | HILLSBOROUGH RIVER LIGHT (26) | | 29 | 02 | 80 | 54 | " | " | " | X | | | " | |
| | | HILLSBOROUGH RIVER DAYBEACON (24) | | 29 | 02 | 80 | 54 | " | " | " | X | | | " | |
| | | HILLSBOROUGH RIVER DAYBEACON (22) | | 29 | 03 | 80 | 54 | " | " | " | X | | | " | |
| | | HILLSBOROUGH RIVER LIGHT (21) | | 29 | 03 | 80 | 54 | " | " | " | X | | | " | |
| | | PONCE DE LEON CUT LIGHT (19) | | 29 | 03 | 80 | 54 | " | " | " | X | | | " | |
| | | PONCE DE LEON CUT DAYBEACON (18) | | 29 | 03 | 80 | 54 | " | " | " | X | | | " | |
| | | PONCE DE LEON CUT DAYBEACON (16) | | 29 | 03 | 80 | 55 | " | " | " | X | | | " | |
| | | PONCE DE LEON CUT DAYBEACON (14) | | 29 | 03 | 80 | 55 | " | " | " | X | | | " | |
| | | PONCE DE LEON CUT DAYBEACON (12) | | 29 | 03 | 80 | 55 | " | " | " | X | | | " | |
| | | PONCE DE LEON CUT LIGHT (10) | | 29 | 03 | 80 | 56 | " | " | " | X | | | " | |
| | | PONCE DE LEON CUT DAYBEACON (9) | | 29 | 03 | 80 | 56 | " | " | " | X | | | " | |
| | | PONCE DE LEON CUT DAYBEACON (8) | | 29 | 04 | 80 | 56 | " | " | " | X | | | " | |

William P. Deane

Chief of Party.

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

Baltimore, Maryland

1 October 1957

I recommend that the following objects which have (Ponce/Leon) been inspected from seaward to determine their value as landmarks be charted on (Ponce/Leon) the charts indicated.

The positions given have been checked after listing by H. K. Rudolph

| STATE | CHARTING NAME | FLORIDA | DESCRIPTION | SIGNAL NAME | POSITION | | | | | METHOD OF LOCATION AND SURVEY No. | DATE OF LOCATION | HARBOR CHART | INSHORE CHART | OFFSHORE CHART | CHARTS AFFECTED |
|-------|---------------|---------|---------------------------------|-------------|--------------|----|--------------|-------|-------|-----------------------------------|------------------|--------------|---------------|----------------|-----------------|
| | | | | | LATITUDE* | | LONGITUDE* | | DATUM | | | | | | |
| | | | | | ° | ' | ° | ' | | | | | | | |
| | | | | | D. M. METERS | | D. P. METERS | | | | | | | | |
| | | | | | 29 | 04 | 32.03 | 35.31 | N.A. | 1927 | | | | | 843 |
| | | | PONCE DE LEON CUT DAYBEACON (7) | | | 80 | 56 | 955 | | | | | | | |
| | | | PONCE DE LEON CUT DAYBEACON (6) | | | 29 | 05 | 09.68 | 58.83 | " | | | | | |
| | | | PONCE DE LEON CUT LIGHT (4) | | | 29 | 05 | 298 | 1591 | " | | | | | |
| | | | PONCE DE LEON CUT DAYBEACON (3) | | | 29 | 05 | 19.75 | 01.52 | " | | | | | |
| | | | PONCE DE LEON CUT DAYBEACON (2) | | | 29 | 05 | 608 | 41 | " | | | | | |
| | | | PONCE DE LEON CUT LIGHT (1) | | | 29 | 05 | 34.46 | 59.13 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (72) | | | 29 | 05 | 1061 | 1559 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (71) | | | 29 | 05 | 38.13 | 59.87 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (70) | | | 29 | 05 | 1174 | 1619 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (69) | | | 29 | 05 | 43.88 | 56.43 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (68) | | | 29 | 05 | 51.90 | 1526 | " | | | | | |
| | | | HALIFAX RIVER LIGHT (67) | | | 29 | 05 | 1598 | 02.48 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (66) | | | 29 | 06 | 09.97 | 67 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (64) | | | 29 | 06 | 307 | 06.21 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (63) | | | 29 | 06 | 19.59 | 168 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (62) | | | 29 | 06 | 603 | 14.16 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (61) | | | 29 | 06 | 36.02 | 383 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (60) | | | 29 | 06 | 1109 | 16.13 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (59) | | | 29 | 06 | 41.41 | 436 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (58) | | | 29 | 06 | 1275 | 21.49 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (57) | | | 29 | 06 | 47.49 | 581 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (56) | | | 29 | 06 | 1462 | 20.31 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (55) | | | 29 | 06 | 48.56 | 549 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (54) | | | 29 | 06 | 1495 | 25.56 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (53) | | | 29 | 07 | 04.84 | 691 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (52) | | | 29 | 07 | 149 | 40.94 | " | | | | | |
| | | | HALIFAX RIVER DAYBEACON (51) | | | 29 | 07 | 149 | 1107 | " | | | | | |

William F. Deane
Chief of Party.

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* TABULATE SECONDS AND METERS

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
IN RED/PAINTED

STRIKE OUT ONE

Baltimore, Maryland 1 October 1957

I recommend that the following objects which have ~~been~~ inspected from seaward to determine their value as landmarks be charted on ~~(charts)~~ the charts indicated.

The positions given have been checked after listing by H. R. Rudolph

William F. Deane Chief of Party.

| CHARTING NAME | DESCRIPTION | SIGNAL NAME | POSITION | | | | | | METHOD OF LOCATION AND SURVEY No. Rad. | DATE OF LOCATION | HARBOR CHART | INSHORE CHART | OFFSHORE CHART | CHARTS AFFECTED |
|---------------|-------------------------------|-------------|------------|--------------|-------------|--------------|-------|------|--|------------------|--------------|---------------|----------------|-----------------|
| | | | LATITUDE # | | LONGITUDE # | | DATUM | | | | | | | |
| | | | ° / ' / " | D. M. METERS | ° / ' / " | D. P. METERS | | | | | | | | |
| | HALIFAX RIVER DAYBEACON (63) | | 29 07 | 17.38 | 80 57 | 48.49 | N.A. | 1927 | Plot T-9913 | 1957 | X | | 843 | |
| | HALIFAX RIVER LIGHT (62) | | 29 07 | 20.17 | 80 57 | 54.93 | " | " | " | " | X | | " | |
| | HALIFAX RIVER DAYBEACON (61) | | 29 07 | 29.88 | 80 57 | 54.56 | " | " | " | " | X | | " | |
| | <i>same as L. 792- (1957)</i> | | | | | | | | | | | | | |

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* TABULATE SECONDS AND METERS

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TO BE CHARTED STRIKE OUT ONE
~~TO BE CHARTED~~ ~~TO BE CHARTED~~ ~~TO BE CHARTED~~

NONFLOATING AIDS/OR LANDMARKS FOR CHARTS

Baltimore, Maryland

19 57

I recommend that the following objects which have ~~been~~ ~~been~~ ~~been~~ inspected from seaward to determine their value as landmarks be charted on ~~charts~~ ~~charts~~ ~~charts~~ the charts indicated.

The positions given have been checked after listing by H. R. Rudolph

William F. Deane, Chief of Party.

| CHARTING NAME | STATE | DESCRIPTION | SIGNAL NAME | POSITION | | | | | METHOD OF LOCATION AND SURVEY No. | DATE OF LOCATION | HARBOR CHART | INSHORE CHART | OFFSHORE CHART | CHARTS AFFECTED |
|---------------|---------|--|-------------|--------------|--------------|-------------|-----------|-------------|-----------------------------------|------------------|--------------|---------------|----------------|-----------------|
| | | | | LATITUDE* | LONGITUDE* | | DATUM | D.P. METERS | | | | | | |
| | | | | ° / ' " | ° / ' " | D.P. METERS | | D.P. METERS | | | | | | |
| WATER SPHERE | FLORIDA | NEW SAYONA BEACH, MUNICIPAL WATER TANK (Steel) ht = 154* (161) | | 29 01 36.995 | 80 55 21.264 | | N.A. 1927 | 575.4 | T-9913 TRI | 1956 | X | X | 843, 1245 | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | * ht = 135 on Form 525b | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

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NAUTICAL CHARTS BRANCH

SURVEY NO. T-9913

Record of Application to Charts

| DATE | CHART | CARTOGRAPHER | REMARKS |
|---------|-------|--------------|---|
| 4/28/60 | 843 | E. Thomas | <p style="text-align: right;"><i>Considered completely applied</i></p> <p>Before After Verification and Review <i>until Recommendation</i></p> |
| | 1245 | J. HEATON | <p style="text-align: right;"><i>TRUSS 843</i></p> <p>Before After Verification and Review</p> |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
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| | | | Before After Verification and Review |
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A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.