9907

Diag. Cht. No.1244.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-82 Office No. T-9907

LOCALITY

State Florida

General locality Matanzas River

Locality Matanzas Inlet

19 52-57

CHIEF OF PARTY

P. Taylor, Chief of Field Party

E.H.Kirsch, Baltimore Photo. Office

~~W.F.Deane, Baltimore Photo. Office~~

LIBRARY & ARCHIVES

DATE July 31, 1959

B-1870-1 (1)

9907

DATA RECORD

T - 9907

Project No. (II): PH-82 ~~2170~~ ~~[illegible]~~ Quadrangle Name (IV):

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

Photogrammetric Office (III): Baltimore, Md. Officer-in-Charge: E. H. Kirsch
W. F. Deane

Instructions dated (II) (III): 29 December 1951
15 February 1952 (Supplement I)
28 February 1952 (Supplement I)
14 March 1952 (Supplement II)
28 April 1952 (Supplement III)

Copy filed in Division of Photogrammetry (IV)

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): 6-7-57 Date reported to Nautical Chart Branch (IV): 6-13-57

Applied to Chart No. Date: Date registered (IV): 4/6/59

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): SHELL, 1934

Lat.: 29° 40' 03.817" (117.5 m) Long.: 81° 12' 46.296" (1244.9) Adjusted [illegible]

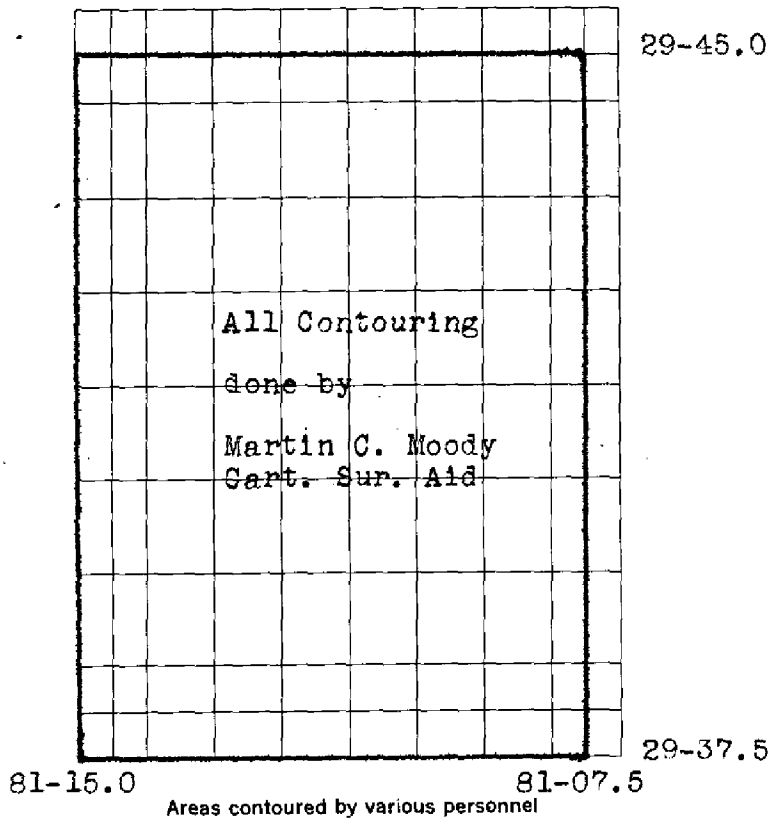
Plane Coordinates (IV): State: Florida Zone: East

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.

M-2618-12(4)



Areas contoured by various personnel
(Show name within area)
(II) (III)

DATA RECORD

Field Inspection by (II): Martin C. Moody, Carto. Surv. Aid; J. K. Wilson, J. S. Winter, H. R. Spies — Shoreline Inspection — — Date: January, 1953 — Dec., 1952

Planetable contouring by (II): Martin C. Moody, Carto. Surv. Aid Date: January, 1953

Completion Surveys by (II): J.K. Wilson Date: July 1957

Mean High Water Location (III) (State date and method of location): 1952, date of photography, and field inspection; supplemented by 1956 photography (single lens) Matanzas Inlet - Field Edit Inspection (July 1957)

Projection and Grids ruled by (IV): J. Allen Date: 3/27/53

Projection and Grids checked by (IV): H. D. Wolfe Date: 3/30/53

Control plotted by (III): J. C. Richter Date: 7/7/53

Control checked by (III): J. Steinberg Date: 7/10/53

Radial Plot ~~or Stereoscopic Control extension~~ by (III): H. R. Rudolph Date: 5/4/54

Stereoscopic Instrument compilation (III): Planimetry Date:

Contours Date:

Manuscript delineated by (III): J. Y. Councill Date: 11/13/56

Photogrammetric Office Review by (III): R. Glaser Date: 5/20/57

Elevations on Manuscript checked by (II) (III): R. Glaser Date: 5/20/57

M-2618-12(4)

Camera (kind or source) (III): USC&GS nine-lens and single lens "W"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide above MLW
34961	2/13/52	0937	1:20,000	4.2 (outside)
34978 & 34979	"	1000	"	4.2 (outside)
56-W-3722 thru 3724	10/19/56	0950	"	Approx.high tide**
56-W-3824 thru 3830	"	1045	"	" " "

Tide (III)

From predicted tide tables

Ratio of Ranges	Mean Range	Spring Range
	4.5	5.3
0.9	4.2	5.0
1.0	4.5	5.3

Reference Station: Mayport, Fla.
Subordinate Station: St. Augustine, Fla
Subordinate Station: St. Augustine Inlet

Washington Office Review by (IV): S.G. Blankenbaker Date: March, 1959

Final Drafting by (IV): A.P. Berry Date: 5/5/59

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 13
Shoreline (More than 200 meters to opposite shore) (III): 15
Shoreline (Less than 200 meters to opposite shore) (III): 17
Control Leveling - Miles (II): 9-1/2
Number of Triangulation Stations searched for (II): 14 Recovered: 8 Identified: 5
Number of BMs searched for (II): 5 Recovered: 5 Identified: 1 (TBM)
Number of Recoverable Photo Stations established (III): 4
Number of Temporary Photo Hydro Stations established (III): none

Remarks:

No Section Corners were recovered.
3 Grant Corners recovered during Field Edit

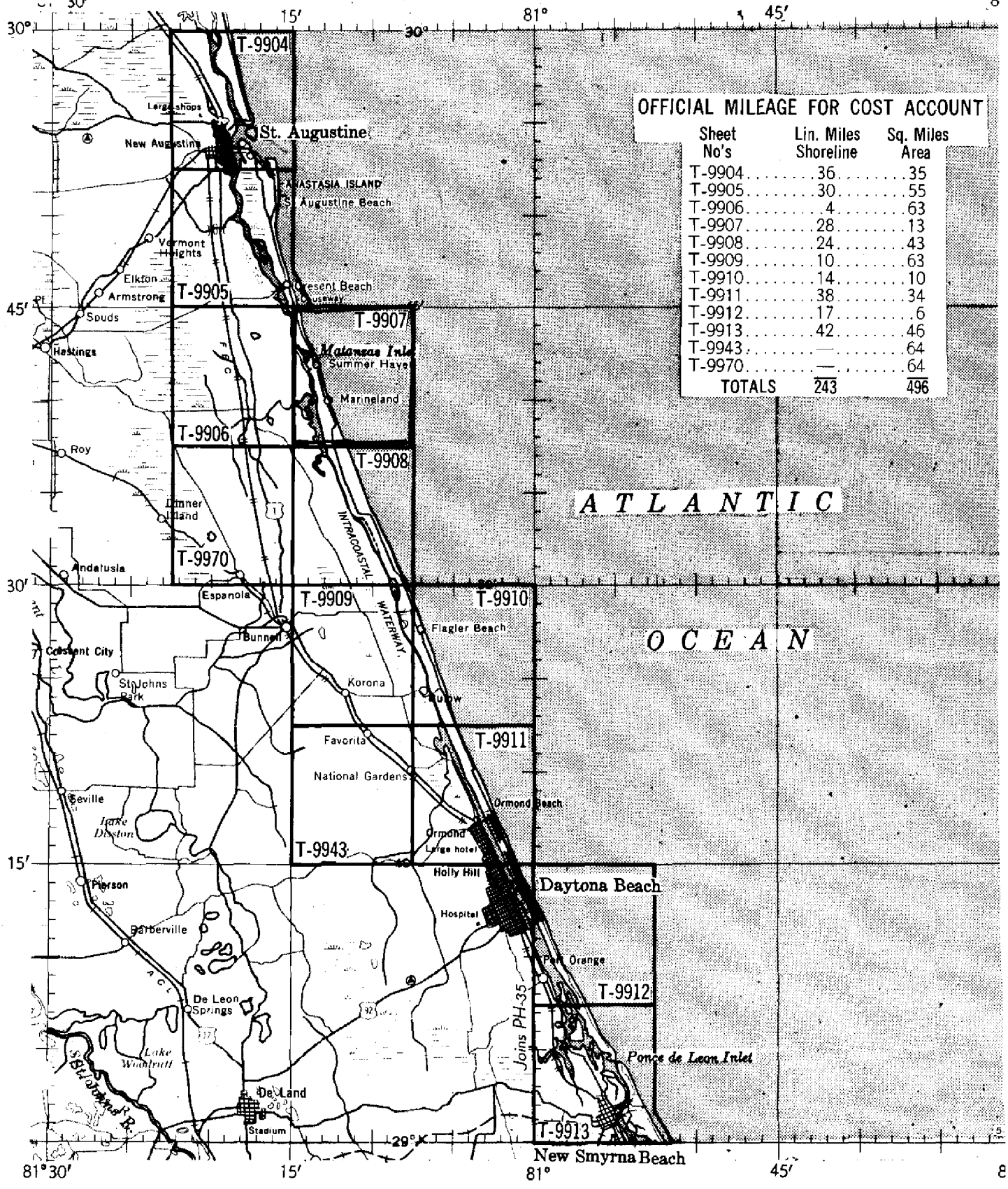
** No tide station along Intracoastal Waterway near Matanzas Inlet.

M-2618-12(4)

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

Summary to Accompany Descriptive Report

T-9907

Topographic map T-9907 is one of twelve similar maps in Project PH-82. The project covers the east coast of Florida from St Augustine to New Smyrna Beach. T-9907 covers the Marineland-Summer Haven area in the north half of the project.

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

The map was compiled at 1:20,000 scale. 1:20,000 scale nine-lens were used in field and office work. "W" camera 1:20,000 scale photographs taken in Oct. 1956 were used in field edit and in the office application of field edit changes. The map was corrected to the date of the new photography.

The map will be published by the Geological Survey at a scale of 1:24,000. Items registered under T-9907 will include a Descriptive Report, a positive impression on cronar of the scribed copy of the manuscript and a lithographic print of the Geological Survey quadrangle.

FIELD INSPECTION REPORT
Quadrangle T-9907
Project Fh-82(51)

The phases listed below are in addition to those phases shown on Pages 2 and 3:

Name and Title	Phase	Date
Henry R. Spies, Carto. Surv. Aid	Horizontal Control Shoreline Inspection Fly Levels	July to December, 1952
Joseph K. Wilson, Cartographer	Horizontal Control Vertical Control	September, 1952

2. AREAL FIELD INSPECTION

The quadrangle lies along the Atlantic Beach in St. Johns and Flagler Counties. The coastline runs in a northwest-southeast direction, being very regular, except where it is broken by Matanzas Inlet.

The area is very sparsely settled, having no towns within its limits. However, there are two major attractions along the beach section - Marineland and Fort Matanzas National Monument.

The marine studios at Marineland present an amazing display of live marine life in their oceanariums. The studios, whose reputation has spread around the world, is a national institution combining recreational appeal with sound scientific and educational value.

Fort Matanzas National Monument is a part of the National Park System and is administered by the National Park Service, United States Department of Interior. Within and near Fort Matanzas National Monument occurred the deciding scenes of the Spanish-French struggle for Florida in the sixteenth century. The monument has an area of about 228 acres, including Rattlesnake Island (where the fort is located) and part of Anastasia Island. It is typical north Florida dune country, with a heavy, low growth of scrub and palmetto behind the wide, hard-packed beach and shifting sand dunes.

There is very little industry carried on within the area. In the western part, there is some logging and cattle raising.

The quality of the nine-lens photographs was good. The field inspection is believed to be adequate.

3. HORIZONTAL CONTROL

(a) No supplemental control was established.

(b) No datum adjustments were made.

(c) There were no stations recovered within the limits of this quadrangle, which were established by other agencies.

(e) A search was made for all known control points. Stations reported as "Destroyed", "Lost" or "Not Recovered" are:

BUENA VISTA, 1872
CAMP, 1872
DUPONT, 1906
HEMMINGS POINT, 1872
SCOTT, 1923
SMALL WHITE WATER TANK, 1933

4. VERTICAL CONTROL

(a) Summer Haven Tidal Bench Marks 2, 3, 4, 5 and 6 were recovered. There are no other bench marks within the quadrangle.

(b) Nine and one-half miles of supplemental levels were run with a Wye Level, beginning and closing on bench marks of third-order accuracy or higher, or on previously established level points. The greatest error of closure was 0.37 foot. The line was adjusted.

(c) The first and last fly-level points are 07-1 and 07-6.

Level points 08-4 and 08-11 are recorded in the level book of this quadrangle.

(d) Inapplicable.

5. CONTOURS AND DRAINAGE

The contouring was accomplished by standard planetable methods on 1:20,000 scale nine-lens photographs at an interval of five (5) feet.

Along the beach section, there is an area of many irregular sand dunes, which rise to a height of thirty-six (36) feet. The topographer has made an effort to draw all contours which space provided. In a few areas, however, the contours had to be generalized because of the size of the feature. The five (5) foot contour along the beach was not drawn. This contour is one meter west of the mean high-water line and appropriate notes have been shown on the photographs. The shoreline is constantly changing in this area. (See heading No. 7 for Shoreline Report.)

The western portion of the quadrangle is flat, with the exception of the area along a branch of Pellicer Creek where the terrain is very irregular.

There are many spoil banks along the Intracoastal Waterway. Several of these banks have been added since photography and some of the original ones enlarged. The topographer has outlined the new spoil limits in red.

6. WOODLAND COVER

The woodland cover was divided into three different classifications along the beach section: trees, scrub and open.

The trees are composed of palm and pines which attain a height of about twenty-five or thirty feet. The scrub consists of low scrub oak and palmetto, which has a height of about five feet. The open areas, for the most part, are the tops of the sand dunes.

In the western portion of the quadrangle, there are several areas adjacent to the marshland, which have photographed very dark and appear to be swamp. These are large oak and pine trees.

7. SHORELINE AND ALONGSHORE FEATURES

The shoreline of the entire project was done by Mr. Henry R. Spies, Cartographic Survey Aid. See special report submitted in November, 1952, a copy of which is filed in the Field Inspection Report of Quadrangle T-9911. One (1) Copy filed in the Project Completion Report.

8. OFFSHORE FEATURES

There were no offshore features noted. For the accuracy of the location of the mean low-water line, see heading No. 7 above.

9. LANDMARKS AND AIDS

For the nautical landmarks and aids, see special report by Henry R. Spies (Heading No. 7).

One aeronautical aid (AIRWAY BEACON NO. 28, 1934) was recommended on Form 567. There are no interior landmarks.
Destroyed (see Form 567-1957).

10. BOUNDARIES, MONUMENTS AND LINES

3 Grant corners recovered during field edit.
There were no section corners recovered within the quadrangle. However, one point on a section line was pricked on contour photograph No. 34961, Form M-2226-12 is not submitted.

The report on boundaries will be the subject of a special report, which will be submitted at a later date.

11. OTHER CONTROL

Form 524 is submitted for three topographic stations, all of which have been reported as landmarks on Form 567.

No photo-hydro stations were established.

12. OTHER INTERIOR FEATURES

All roads have been classified in accordance with the Topographic Manual. Buildings to be shown have been circled in red on the control set of Photographs. Some new construction has been started at Marineland along the eastern side of the Intracoastal Waterway. The field editor should check for new developments in this area.

One bridge and overhead transmission cable clearance have been shown on photograph No. 34978 at Matanzas Inlet.

A copy of the letter to the District Engineer on bridge discrepancies is included with the Special Shoreline Report.

13. GEOGRAPHIC NAMES

This will be the subject of a special report, which will be submitted at a later date.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

A Coast Pilot Report, Shoreline Report, Boundary Report and Geographic Names Report will be submitted as special reports for the entire project.

30 January 1953,
Submitted by:

Martin C. Moody
Martin C. Moody,
Cartographic Survey Aid

5 February 1953,
Approved by:

Paul Taylor
Paul Taylor
Lt. Comdr., USC&GS
Chief of Party

MAP T-9907 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 FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
NICK, 1933	G-1788 P.21	N. A. 1927	29 43 49.090 81 14 21.865			1511.5 (335.9) 587.6 (1024.9)	
Sub. Pt. NICK, 1933			29 43 81 14			1254.4 (593.0) 527.7 (1084.8)	
AIRWAY BEACON No.28, 1934	~~G-3040~~ ~~P.174~~	"	~~29 43 04.026~~ ~~81 14 05.396~~	DESTROYED		~~124.0 (1723.4)~~ ~~145.0 (1467.7)~~	
COVE, 1934	G-3040 P.142	"	29 41 54.631 81 13 33.615			1682.1 (165.3) 903.6 (709.3)	
Sub. Pt. COVE, 1934			29 41 81 13			~~1651.7 (195.7)~~ ~~905.6 (707.3)~~	
SWAMP, 1872-1952	G-6209 P.792	"	29 41 37.511 81 14 37.362			1155.0 (692.4) 1004.4 (608.6)	
SHELL, 1934	G-3038 P.121	"	29 40 03.817 81 12 46.296			117.5 (1729.9) 1244.9 (368.5)	
Sub. Pt. SHELL, 1934			29 40 81 12			71.9 (1775.5) 1247.0 (365.6)	
LAST, 1872	G-1788 P.21	"	29 43 48.658 81 14 16.742			1498.2 (349.2) 449.9 (1162.6)	
ROCK, 1934	G-3038 P.121	"	29 38 22.559 81 12 02.083			694.6 (1152.8) 560 (1557.8)	
Sub. Pt. ROCK, 1934			29 38 81 12			715.5 (1131.9) 51.4 (1562.4)	
VIRGIL, 1872-1952	G-6209 P.793	"	29 38 15.748 81 13 13.012			484.9 (1362.5) 350.0 (1263.9)	

PAGE 12

1 FT. = .3048006 METER

COMPUTED BY: J. C. Cregan DATE 31 March 1953 CHECKED BY: J. C. Richter DATE 23 June 1953

M-2388-12

COMPILATION REPORT

T-9907

The Photogrammetric Plot Report is a part of the Descriptive Report for T-9904.

31. DELINEATION

This manuscript was delineated by graphic methods. Field inspection was done on 1952 nine-lens photographs. 1956 single lens photographs were used to delineate changes since field inspection.

32. CONTROL

The control on this manuscript is considered adequate.

33. SUPPLEMENTAL DATA

Final name sheet, Matanzas, Fla. quadrangle for geographic names. Blueprint map of "Marineland" Marine Studios or "Oceanarium" by D. D. Moody, 4-25-39. For road numbers, highway maps of Flagler and St. Johns Counties. U. S. Bureau of Land Management photostat copies of the land grants and land sections.

34. CONTOURS AND DRAINAGE

No comment.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate. The low water line was based on data furnished by the field party.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Forms 567 are being submitted for 4 landmarks, one aid to navigation, and one aeronautical aid to be charted. Form 567 is being submitted for 10 aids to be deleted.

Since the date of field inspection, all aids to navigation, except one, have been moved or discontinued. One aid with unchanged position has been shown on this Manuscript.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 are being submitted for one AZ MK, 2 landmark tanks, and one tower building at Marineland.

39. JUNCTIONS

Junctions have been made to the south with T-9908, to the west with T-9906 and to the north with an extension of T-9905. An all water area is to the east.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. PUBLIC LAND LINES

On the beach north of Matanzas Inlet, the N/S line between Sections 11 and 12 could not be positioned exactly. The plat does not show a corner on land in this area.

At Summer Haven, 2 grants could not be exactly positioned. (They were shown for use by the field editor in recovery.)

See Field Edit & Review Reports

The county map shows section lines between the beach and mainland but none appear on the plats.

The length of J. M. Hernandez Grant (39) will not fit. The photograph appears to show lines which may be the grant lines, but orientation will not fit with the adjacent grants.

42-45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with AMS series V747 Matanzas Fla.quad.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Intracoastal Waterway Charts Nos. 842 and 843, scale 1:40,000, corrected through notices to mariners to Sept.8, 1956, first published 1952.

Items to be applied to nautical charts immediately: None

Items to be carried forward: None.

Respectfully submitted
13 November 1956

Judson Y. Councill
Judson Y. Councill
Carto. Photo Aid

Approved and forwarded

William F. Deane
William F. Deane
Comdr.,USC&GS
Baltimore District Officer

FIELD EDIT REPORT
Project 24170(6082)
Quadrangle T-9907

The field edit of this quadrangle was accomplished during the months of June and July 1957.

51. METHODS

The inspection of the quadrangle was accomplished by traversing all passable 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-mkl. 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. A legend, describing the colored inks used, is shown on the field edit sheet. Purple ink was used for additional information on the photographs and on the discrepancy print. Some of the original field inspection in the southern portion of the quadrangle was done in purple ink, but since all of the field edit corrections are shown on the 1956 photographs with the exception of a few contours at Summer Haven, it was felt that the compiler would have no difficulty in differentiating between the original field inspection and the field edit surveys.

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

Nineteen photographs, on which field edit information has been shown, are listed as follows:

56-W-3723	56-W-3931	34978A
3724	3933	
3824	3934	
3825	3935	
3826	3939	
3827	3941	
3828	3942	
3829	3944	
3830	3945	

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.

The quadrangle, as a whole, has changed very little since the original field inspection. Florida State Highway A1A has been changed in two places and a new fixed bridge has been constructed across Matanzas Inlet. The overhead and submarine cables at Matanzas Inlet were not changed. The clearances for the new bridge are shown on photograph 56-W-3828.

The clearances of five areas, where an overhead power cable crosses, were requested on the discrepancy print. There is no cable at the crossing near Fort Matanzas, but clearances for the four other locations have been shown. Your attention is invited to the fact that at all four locations, the water is navigable only for small boats.

The triangulation station, AIRWAY BEACON NO. 28, 1934, has been destroyed. See form 526.

All fixed aids to navigation, within the limits of this quadrangle, were re-located during the field edit. All of these aids were located by the direct method on the 1956 1:10,000 scale photographs with the exception of Matanzas River Daybeacons 104, 105 and 106. There was no 1:10,000 scale photographic coverage for the three southern daybeacons. These daybeacons were located by angles and distances from photographic points. Form M-2226-12, 24a and 567 are submitted with the field edit data.

The woodland, along the beach area north of Matanzas Inlet, was questioned on the discrepancy print. Most of this area, with the exception of the portion near the government property which is definitely trees, is a borderline case. The questioned section consists of scrub oak and palmetto which is very thick and attains an height of four to six feet. It has been recommended on the discrepancy print that no change be made.

Three grant corners were recovered and identified during the field edit. Nothing could be found along sections 11 and 12, T-9S - R-30E. Information from local surveyors state that extension of section and grant lines across the Matanzas River will show considerable errors. This is due to several facts: 1. Original methods of determining distances across the water portion. 2. Surveys made by Mr. Clements in 1834 and re-surveys made by Mr. Randolph in about 1850. The surveys did not always agree, and in some instances were several chain lengths apart.

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, a few areas have changed due to new construction. These areas were revised during the field edit.

54. RECOMMENDATIONS

None

55. EXAMINATION OF PROOF COPY

Mr. D.D. Moody, registered land surveyor and a resident of the area for fifty years, has agreed to examine a proof copy of this quadrangle for possible errors. Mr. Moody's address is: 401 North Anderson Street, Bunnell, Florida.

All geographic names were verified as shown on the advance print of the manuscript. The name SUMMER HAVEN RIVER is not correct. No local usage of this name could be found.

5 July 1957
Submitted by:

Joseph K. Wilson
Cartographer

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

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T- 5907

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

4a. Classification label ✓

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy ✓ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ✓ ~~7. Photo-hydro 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 alongshore 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. Glaser — Reviewer; Joseph Steinberg — Supervisor, Review Section or ~~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.

J. Honick — Compiler; F. Tarczo — Supervisor

43. Remarks:

M-2623-12

Review Report

Topographic Survey T-9907

March 13, 1959

62. Comparison with Registered Topographic Surveys

T-1268	(1872)	1:20,000
T-1082	(1867)	1:20,000
T-4037	(1923)	1:20,000

T-9907 supersedes these surveys for nautical charting purposes in common areas.

63. Comparison with Maps of Other Agencies

Matanzas, Florida (AMS) 1:50,000

The map was copied in 1946 from older sources and is outdated.

64. Comparison with Contemporary Hydrographic Surveys

Inapplicable

65. Comparison with Nautical Charts

843	1:40,000	1952	revised 11/25/57
842	1:40,000	1952	revised 8/26/57
1244	1:80,000	1930	revised 4/14/58

All fixed aids to navigation within the limits of T-9907 were re-located during the field edit. The new data was not applied to the charts.

The Intracoastal Waterway Channel is incorrectly positioned between lights 78 and 81 on chart 842. Corps of Engineers blueprints were used to provide the channel for the USGS quadrangle.

MHW cable clearance data submitted by the field editor includes the following (1) 50 ft for the cable at Summer Haven (2) 35 ft for the cable across the Matanzas River - located approximately 2000 ft off Summer Haven (3) 65 ft for the north cable at Marineland (4) 55 ft for the south cable at Marineland.

The field editor reports there is no overhead cable approximately 1500 ft south of Fort Matanzas as shown on chart 842.

A clearance of 39 ft. was submitted by the field inspector in 1952 for the overhead cable adjacent to the Matanzas Inlet Bridge.

Data submitted by the field editor for the fixed bridge across Matanzas Inlet is as follows (1) horizontal clearance-41.5 ft MHW (2) vertical clearance 12 ft MHW.

66. Adequacy of Results and Future Surveys

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

67. Public Land and Grant Lines

Three land grant corners and two points on line were recovered by the field editor.

The land line "net" (Public Land and Grant Lines) is considered unreliable. Some lines were left off the manuscript.

The line between Sections 13 and 24, T9S R30E was applied from the supplemental plat dated April ~~1954~~ 1944.

The small grant sections (37,38,49&50) at Summer Haven were adjusted locally to the recovered south corner of section 37, G. W. Peppall Grant.

Only the south line of section 37, G. W. Peppall Grant (T10S R31E) is shown.

Reviewed by:

S. G. Blankenbaker
S. G. Blankenbaker

L C Lande
Chief, Review & Drafting Section
Photogrammetry Division

Chief, Nautical Charts Branch
Charts Division

Chief, Photogrammetry Division

Chief, Coastal Surveys Division

T-9907. Geographic Names.

Anastasia Island
Atlantic Ocean

Cutting Estate

Devils Elbow

Flagler County
Florida
Fort Matanzas
Fort Matanzas National Monument

Hemming Point
Hominy Branch

Intracoastal Waterway

Marineland
Matanzas Inlet
Matanzas National Wildlife Refuge (boundaries not clear on 1940 map of refuge and St. Johns Co. Hwy Map) NOT SHOWN
Matanzas River*

Pellicer Creek
Pellicer Flats

Rattlesnake Island (island on which fort is located)

St. Johns County
Styles Creek
Summer Haven

Florida AlA

Names approved 6-11-57.
L. Heck L.H.

* Project Names Report (1954) and other available maps show no use of Summer Haven River for portion of mapped Matanzas River south of Matanzas Inlet. It is possible that some local usage for this new name may exist. See Field Edit Report.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~AIDS TO NAVIGATION OR~~ LANDMARKS FOR CHARTS

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

Baltimore, Maryland, ~~27 May~~, 19~~57~~

I recommend that the following objects which ~~have now~~ 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

William F. Deane *Chief of Party.*

STATE FLORIDA			POSITION										
			LATITUDE*		LONGITUDE*								
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	″ D.M. METERS	° ′	″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
~~AERO~~	~~(Airway Beacon No.28, 1934) ht = 51 (60)~~ Destroyed L.1064(58)		~~29 43~~	~~04.026~~ ~~12.0~~	~~81 14~~	~~05.396~~ ~~45.0~~	~~N.A.~~ 1927	~~T-9907~~ TRI.	~~1934~~		X	X	~~842~~ ~~1214~~
TANK	(Elevated) Johnson's Water Tank wood ht. = 50 (90)		29 42	54.47 1677	81 14	00.82 22	"	Rad.Plot	1952		X	X	"
TANK	(Elevated) Summer Haven Water Tank wood - ht. = 50 (62)		29 41	51.61 1589	81 13	27.94 751	"	"	"		X	X	" 843 moved
TOWER BLDG	Marineland Tourist Court Tower Building. ht. = 30 (45)		29 40	00.20 6	81 12	43.88 1180	"	"	"		X	X	843 1214

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.

M-2836-3

* TABULATE SECONDS AND METERS

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR [redacted] FOR CHARTS

[redacted] STRIKE OUT ONE
TO BE DELETED

St. Augustine, Florida August, 1952

I recommend that the following objects which have [redacted] been inspected from seaward to determine their value as landmarks be [redacted] *(deleted from)* 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 LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
DAYBN 233A	Matanzas River Daybeacon		29 43.1		81 14.7						X		842
DAYBN 237	" " "		29 42.9		81 14.7						X		"
LIGHT 4	" " Light		29 40.1		81 13.1						X		843
DAYBN 6	" " Daybeacon		29 39.8		81 13.1						X		"
DAYBN 7	" " "		29 39.6		81 13.0						X		"
LIGHT 10	" " Light		29 39.2		81 13.1						X		"
DAYBN 12	" " Daybeacon		29 38.3		81 12.8						X		"
DAYBN 15	" " "		29 38.1		81 12.7						X		"
DAYBN 16	" " "		29 37.8		81 12.7						X		"
DAYBN 17	" " "		29 37.6		81 12.4						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

M-2836-3

Form 567
April 1945

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 19 November, 1957

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. R. Rudolph

William F. Deane *Chief of Party.*

STATE FLORIDA Same as L.1064(58)

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′ ″ D.M. METERS	POSITION LONGITUDE* ° ′ ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
LT 71	Matanzas River Light		29 44 48.94 1507	81 14 52.55 1412	N.A. 1927	Plot Rad T-9907	1957		X		842
LT 72	Matanzas River Light		29 44 33.45 1030	81 14 44.10 1185	"	"	"		X		"
LT 74	Matanzas River Light		29 44 22.02 678	81 14 44.06 1184	"	"	"		X		"
DAY BN 75	Matanzas River Daybeacon		29 44 11.11 342	81 14 47.48 1276	"	"	"		X		"
DAY BN 77	Matanzas River Daybeacon		29 43 56.87 1751	81 14 55.18 1483	"	"	"		X		"
LT 79	Matanzas River Light		29 43 38.26 1178	81 14 57.53 1546	"	"	"		X		"
DAY BN 80	Matanzas River Daybeacon		29 43 22.51 693	81 14 48.96 1316	"	"	"		X		"
LT 81	Matanzas River Light		29 43 23.32 718	81 14 44.91 1207	"	"	"		X		"
LT 84	Matanzas River Light		29 42 53.91 1660	81 14 47.10 1266	"	"	"		X		"
LT 85	Matanzas River Light		29 41 19.81 610	81 13 27.71 745	"	"	"		X		842 843 ✓1960
LT 86	Matanzas River Light		29 40 35.50 1093	81 13 20.94 563	"	"	"		X		843 ✓
LT 87	Matanzas River Light		29 40 08.44 260	81 13 03.24 87	"	"	"		X		" ✓1
DAY BN 89	Matanzas River Daybeacon		29 39 59.01 1817	81 13 01.82 49	"	"	"		X		" ✓2 4 1

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.

M-2836-3

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

TO BE CHARTED / ~~NOW/BEING/DELETED~~ } STRIKE OUT ONE

Baltimore, Maryland 19 November, 19 57

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

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

William F. Deane, *Chief of Party.*

STATE FLORIDA Same as L. 1064 (58)

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
LT 90	Matanzas River Light		29 39	52.91 1629	81 13	05.17 139	N.A. 1927	Plot T-9907 Rad.	1957		x		843 1960
DAY BN 92	Matanzas River Daybeacon		29 39	30.53 940	81 13	05.50 148	"	"	"		x		" ✓
LT 94	Matanzas River Light		29 39	11.56 356	81 13	04.54 122	"	"	"		x		" ✓
DAY BN 96	Matanzas River Daybeacon		29 38	54.04 1664	81 12	59.23 1593	"	"	"		x		" ✓
DAY BN 97	Matanzas River Daybeacon		29 38	49.07 1511	81 12	55.32 1488	"	"	"		x		" ✓
DAY BN 98	Matanzas River Daybeacon		29 38	33.65 1036	81 12	51.82 1394	"	"	"		x		" ✓
LT 99	Matanzas River Light		29 38	20.82 641	81 12	08.33 ? 1224	45.5 "	"	"		x		" ✓
DAY BN 100	Matanzas River Daybeacon		29 38	20.17 621	81 12	47.32 1273	"	"	"		x		" ✓
DAY BN 102	Matanzas River Daybeacon		29 38	02.66 82	81 12	43.08 1159	"	"	"		x		" ✓
DAY BN 104	Matanzas River Daybeacon		29 37	47.65 1467	81 12	38.77 1043	"	"	"		x		" ✓
DAY BN 105	Matanzas River Daybeacon		29 37	46.80 1441	81 12	36.73 988	"	"	"		x		" ✓
DAY BN 106	Matanzas River Daybeacon		29 37	32.32 995	81 12	34.94 940	"	"	"		x		" ✓
													1257
													1

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.

M-2836-3

Form 567
April 194

DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Aeronautical Chart Branch

AERONAUTICAL

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

Bunnell, Florida 2 July, 195

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 Matthew A. Stewart

Joseph K Wilson
for Ira R. Rubottom *Chief of Party.*

STATE Florida

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	″ D.M. METERS	LONGITUDE* ° ′	″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
AERO	(AIRWAY BEACON No. 28, 1934) L.1064(58)		29 431		81 141		N.A. 1927	Tri.	1934				(o-8) Orland

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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

Comm-DC 61327

Form 567
April 1941

DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

AERONAUTICAL NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

Bunnell, Florida, 8 July, 1941

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 Matthew A. Stewart

Ira H. Hutcotton *Chief of Party.*

STATE Florida

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
AERO	(AIRWAY BEACON No. 26, 1934)		29 431		81 141		N.A. 1927	Tri.	1934				(6-8) Orland

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

Comm-DC 61327

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9907

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
4/29/60	843	E.E. Thomas	Considered fully Applied until Recnst. JMO ~~Before~~ After Verification and Review
9-8-58	842	H.E.M.	Before ~~After~~ Verification and Review
			Partly applied - revised shoreline -
12-1-58	842	T.A.D.	Before ~~After~~ Verification and Review
			Partly applied - revised aids & channel.
7-6-60	842	R.E. Elkins	~~Before~~ After Verification and Review
			Revised Lnfo - Fully applied
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

M-2168-1

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.