

8412

Diag'd. on Diag. Ch. No. 1247

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. CS-312-A Office No. T-8412

LOCALITY

State Florida

General locality Martin County

Locality Gomez - Hobe Sound

1942-'48

CHIEF OF PARTY

R.A. Gilmore

LIBRARY & ARCHIVES

DATE June 2, 1949

6-1870-1 (1)

8412

DATA RECORD

T- 8412

Quadrangle (II): Gomez, Fla.

Project No. (II): CS-312A

Field Office: Stuart, Fla.

Chief of Party: Ross A. Gilmore
Lieut. Comdr.

Compilation Office: Tampa, Fla.

Chief of Party: George E. Morris, Jr.
Lieut. Comdr.Instructions dated (II III): ^{25 May 45} ~~3 Aug., 1944~~

Supplemental Inst. 21 Oct., 1946

" " 10 Dec., 1946

" " 16 Jan 1946

Copy filed in ^{Office Files, Div. of Photo-} ~~Report No. T-~~ ^{grammetry} (VI)

Completed survey received in office: 16 Apr 48

Reported to Nautical Chart Section:

Reviewed: 18 June 48

Applied to chart No.

Date:

Redrafting Completed:

Registered: 20 Aug 48

Published:

Compilation Scale: 1: 20,300

Published Scale: 1:24 000

Scale Factor (III): 9852216

Geographic Datum (III): N.A. 1927 ✓

Datum Plane (III): M.S.L.

Reference Station (III): Corset, 1934 ✓

Lat.: 27° 05' 55.454" (1706.8m) Long.: 80° 07' 55.715" (1534.8m) Adjusted ✓
~~Standard~~

State Plane Coordinates (VI): FLORIDA EAST ZONE

X = 782,355.60 Ft.

Y = 1,005,994.41 Ft.

Military Grid Zone (VI)

Single Lens

45G-1458 - 63 incl. 3-11-45

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
11863	11-14-42	1147	1:20,300	3.1
11864	"	1200	"	3.2
11865	"	"	"	"
11914	"	1310	"	3.1
11915	"	"	"	"
11916	"	"	"	"
11917	"	"	"	"
12138	11-25-42	1106	"	2.5
12139	"	"	"	"
12140	"	"	"	"
12141	"	"	"	"
16398	4-27-46	1210	1:20,000	---
16399	"	"	"	0:0

Tide from (III): St. Lucie Inlet (Jetty) and Sewall Point, St. Lucie River, Reference station Mayport, Florida

Mean Range: 2.6 ft. Spring Range: 3.0 ft.

Camera: (Kind or source) C and G.S. nine-lens camera 8 1/4" focal length.

Field Inspection by: J.K. Wilson
C.H. Bishop

date: April-July, 1947

Field Edit by: J.P. Weiler

date: Mar. 48

Date of Mean High-Water Line Location (III):

Dec. 8-11, 1946

Projection and Grids ruled by (III) Washington Office

date: Unknown

" " " checked by: " "

date: "

Control plotted by: R.J. Pate

date: 26 Nov., 1946

Control checked by: M.M. Slavney

date: 26 Nov., 1946

Radial Plot by: M.M. Slavney

date: 3 Jan., 1947

Detailed by: B.F. Lampton

date: Mar-Dec., 1947

Reviewed in compilation office by: J.A. Giles

date: Dec. 1947

Elevations on ^{Map Manuscript} ~~checkbook~~ checked by: J.A. Giles

date: Dec. 1947

STATISTICS (III)

Land Area (Sq. Statute Miles): 65.0

Shoreline (More than 200 meters to opposite shore): 2.7 statute miles

Shoreline (Less than 200 meters to opposite shore): 16.1 statute miles

Number of Recoverable Topographic Stations established: 43

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles: 30.2

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

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

Remarks:

MAP T. 8/12

PROJECT NO. CS-312A

SCALE OF MAP 1:20,300

SCALE FACTOR 9852216

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -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)		FORWARD	(BACK)	FORWARD	(BACK)
Coronet, 1934	159-2	NA 1927	27 05 55.454 80 07 55.715	1706.8 (139.9) 1534.8 (118.0)				1681.6 (137.8) 1512.1 (116.3)		
Pine, 1929	746-7	"	27 05 38.413 80 08 53.637	1182.3 (664.4) 1477.6 (175.3)				1164.8 (654.6) 1455.8 (172.7)		
Airway Beacon No. 9, 1934	181-6	"	27 02 30.882 80 09 51.392	950.5 (896.2) 1416.4 (237.2)				936.5 (883.0) 1395.4 (233.7)		
Pine Falls on T-84/3	160-5	"	27 03 06.380 80 07 29.599	196.4 (1650.3) 815.7 (837.8)				193.5 (1625.9) 803.6 (825.4)		
Olympic, 1934	129-6	"	27 03 08.479 80 07 52.660	260.8 (1585.9) 1451.2 (202.3)				256.9 (1562.5) 1429.8 (199.3)		

1 FT. - 304806 METER
 COMPUTED BY: M.M. Slavney
 PRINTED BY: R.J. Pate

DATE: 9/11/46
 26/11/46

CHECKED BY: R.J. Pate
 M.M. Slavney

DATE: 12/11/46
 26/11/46

N. 2388-12

FIELD INSPECTION REPORT

TO ACCOMPANY

QUADRANGLE 8412

" GOMEZ (GM) "

PROJECT CS-312-A

18 JULY 1947

1. DESCRIPTION OF AREA

This 7½-minute quadrangle is located on the East Coast of Florida, in Martin County. It is bounded on the North by Lat. 27° 07' 30", on the South by Lat. 27° 00' 00", on the West by Long. 80° 15' 00", and on the East by Long. 80° 07' 30". The area contains about 64 square statute miles of land. Elevation range from sea level to 72 feet on the highest sand dune near the southeastern portion of the quadrangle.

The unincorporated town of Hobe Sound falls within the limits of this quadrangle.

Parts of the Florida East Coast Railroad, U.S. Highway 1, State Highway 1A, ~~State Highway 78~~, and small portions of the Intracoastal Waterway and the Atlantic Ocean appear in this quadrangle.

The area west of U.S. Highway 1 has very few roads. There is no cultivation of commercial value in this quadrangle. The area is used chiefly for the pasturing of cattle.

The vegetation is mostly scattered pines, palmetto, palms, grass, brush, cypress and some mangrove along the Intracoastal Waterway and the South Fork of the St. Lucie River. The small portion of the South Fork of the St. Lucie River, extending into the quadrangle near the northwest corner, is the only natural drainage in this area.

There are many intermittent ponds in the area. The year of 1947 has been an extremely wet year and most of these ponds have not dried during the month of May, which is ordinarily the driest month. However, from local information all of these ponds located west of the sand dunes will be dry during the dry season in a normal year (See Paragraph 3, Interpretation of Photographs).

2. COMPLETENESS OF FIELD INSPECTION

The field inspection was done in accordance with instructions dated 21 October 1946, 10 December 1946 and 14 April 1947. This area was inspected by the planimetric party in 1944 but all of this area has been re-inspected and the information obtained during this 1947 inspection is to supersede the field inspection prior to this date.

In the south-central portion of this quadrangle there is an active borrow pit and some new ditches which are being constructed. The field editor should check on this matter during the field edit. Checked by F. Edit.
Borrow pit inactive - no new construction evident

The construction of an underground cable by The American Telephone and Telegraph Company is in progress throughout this entire quadrangle just west of U.S. Highway No. 1. A route has been cleared for the cable and it is assumed by the field inspector that in all probability some maintenance will be required for this cable, hence a trail will run along this line. This cable line has been shown on the photographs. The field editor should check this feature during the field edit. No information on this given by F. Edit.
Cable will not be shown on published map.

The field inspection was done on the following photographs: 11863, 11863-A, 11864, 11864-A, 11865, 11865-A, 12139, 12139-A, 12140, 12141, 12141-A and 16398. For shoreline details the following photographs were used: 11863, 11864, 11915, 11916 (planimetric) and single lens photographs 45-C-1661 through C-1663 inclusive.

3. INTERPRETATION OF PHOTOGRAPHS

The photographs were easily interpreted. This area has changed very little since 1942 when these photographs were taken. Cypress appears on the photographs with a grayish tone; pines are of a darker tone and show up more or less with a speckled appearance. Palmetto is gray and brush a dark tone with mottled texture. Within the intermittent ponds, small clumps of deciduous trees are often growing; these show up dark on the photographs, while the grassy areas show up very light. In every case a well defined berm outlines these intermittent ponds.

Ponds that are near the high sand dunes have been shown as perennial ponds, while the ponds located some distance from the sand dunes are show as intermittent ponds (See Paragraph 1, Description of Area).

4. HORIZONTAL CONTROL

All horizontal control was recovered during the planimetric inspection in 1944 (see also Paragraph 12, Hydrographic Control).

5. VERTICAL CONTROL

There are two U.S.C. & G.S. bench marks in this quadrangle. These two were recovered and used to establish additional vertical control.

Fly levels were run with a Wye level along the principal roads to give a distributed base for planetable contouring. Temporary bench marks were established at identifiable points on the photographs. All level lines were closed within the required accuracy and the records carefully checked. All level points are shown on the contour prints with a cross, labeled with the quadrangle

designation letters "GM", and numbered consecutively in blue ink with elevations shown to the nearest tenth.

6. CONTOURING AND DRAINAGE

The contouring was done by a four man planetable party in accordance with instructions for this project at an interval of five feet on nine lens photographs 11863, 11864, 11864-A, 11865, 11865-A, 12139, 12140, 12141 and 16398.

A small area in the extreme southeastern portion of this quadrangle, near Camp Murphy, was contoured at an interval of 10 feet because of the congestion of contours; sufficient information is shown to enable the compiler to draft the intermediate contours.

Because of the lack of sufficient roads in this quadrangle only a relatively few miles of fly levels were run. Planetable traverses were run from these level points and tied into another fly level point. The maximum vertical closure was 0.5 foot; all lines were adjusted prior to inking elevations on the photographs.

Elevations were taken in the bottoms of intermittent ponds while a water surface elevation was taken on perennial ponds.

7. MEAN HIGH-WATER LINE

The 1944 field inspections of the mean high-water line was checked from a boat run close to the shore or by walking along sections of the beach. Additions and corrections were made with blue ink in order to differentiate between the 1944 and 1947 shoreline inspection.

Shoreline inspection notes are on nine-lens photographs Nos. ~~11864~~ 11864 & 11865 and single-lens photograph No. 45-C-1661.

8. LOW-WATER LINE

The 1944 inspection of the low water line on the Atlantic Ocean shore was checked and found to be correct. The low water line in the Intracoastal Waterway is, in general, not more than two meters from the mean high-water line. Exceptions were outlined with green ink on the field prints.

9. WHARVES AND SHORELINE STRUCTURES

There are no wharves or shoreline structures along the ocean beach or in the Intracoastal Waterway in this quadrangle.

10. DETAILS OFFSHORE FROM HIGH-WATER LINE

No details requiring further investigation by a hydrographic party were observed.

11. LANDMARKS AND AIDS TO NAVIGATION

There are no landmarks in this quadrangle.

- Aids to navigation were field inspected by Charles H. Bishop, Photogrammetric Aids and made the subject of a Special Report for Project CS-312-A (1947 work). *Refer to chart Letter #372 (1948) filed in Div. of Nautical Charts.*
The above mentioned Special Report covers only four quadrangles: T-8411, T-8412, T-8413, & T-8414.
12. HYDROGRAPHIC CONTROL

Monumented U.S.E.D. stations along the Intracoastal Waterway, where recovered, have been identified on the photographs and described as topographic stations, since they are considered of less than 3rd-order accuracy. Additional topographic stations were established so that, with existing triangulation, control points are available at approximately one-mile intervals along the shoreline.

13. LANDING FIELDS AND AIDS TO NAVIGATION

There are no landing fields in this quadrangle. Airway Beacon No.9 is in the quadrangle; it has been located by triangulation and was recovered in the 1944 control recovery.

14. ROAD CLASSIFICATION

All roads have been classified in accordance with the latest instructions, dated 14 April, 1947. (See Paragraph 2, in connection with the underground cable that is being constructed)

15. BRIDGES

There are no bridges in this quadrangle.

16. BUILDINGS AND STRUCTURES

All buildings to be shown have been circled in red on the photographs and buildings not to be shown have been deleted in green (See Paragraph 2, Completeness of Field Inspection).

17. BOUNDARY MONUMENTS AND LINES

Precinct boundary lines have been shown on the photographs and also a description of these boundaries will be submitted with a Special Report on Boundaries, Project CS-312-A. *In File Section, Div. of Photogrammetry*

A large portion of the Gomez Grant falls within the limits of this quadrangle. Five concrete boundary monuments on this grant have been located and form 524 is being submitted for each. Attention is called to the fact that the numbers assigned by the field party were for identification and have no further significance. The Gomez Grant line is located on the photographs and a description of the boundary of this grant will be submitted with the Special Report on Boundaries, Project CS-312-A.

A very small portion of the Hanson Grant, located in the extreme northwestern section, falls within the limits of this quadrangle. See Field Inspection Report Quadrangle T-8411 and nine lens photograph 12138-A for information in connection with this boundary.

See Paragraph 19 for Section Corners.

18. GEOGRAPHIC NAMES

See special report on Geographic Names, Project CS-312-A, by Lowell I. Bass, Engineering Aid, dated July-August 1944.

*Filed in Geographic
Name Section, Div. of
Nautical Charts.*

19. PUBLIC LAND LINES

A very thorough search has been made for all section corners and unless the compilation of the public land lines raises doubts as to the validity of specific corners it is believed that further search by the field edit party would be unwarranted.

Thirty-four section corners have been recovered and identified on the photograph; all of these corners were pine or cypress stakes except four, located near Camp Muryphy, which were concrete monuments. It is believed that all markers recovered have been correctly identified, and from available evidence they are thought to be the true corners.

20. JUNCTIONS WITH ADJOINING SHEETS

A junction was made with T-8415 to the South, T-8411 to the North and T-8413 to the East. All junctions were in good agreement except for some small contour changes on T-8413. See photograph 11864 for changes made to correct that junction.

Joseph K. Wilson
Joseph K. Wilson
Photogrammetric Aid
(Contouring and
Interior Inspection)

Charles H. Bishop
Charles H. Bishop
Photogrammetric Aid
(Shoreline Inspection)

Supervised:

Lewis V. Evans III
Lewis V. Evans, III
Lieut. (jg), USC&GS

Approved and Forwarded:

Ross A. Gilmore
Ross A. Gilmore
Chief of Party

COMPILATION REPORT
TO ACCOMPANY
"GOMEZ", QUADRANGLE T-8412

26 AND 27. CONTROL AND RADIAL PLOT:

A special report has been submitted by M.M. Slávnay, Photogrammetric Engineer, with quadrangle T-8413.

The nine-lens photographs were clear and of reasonably good scale. The field inspection was very good. A few items have been questioned on the discrepancy overlay.

Due to the unusually large number of intermittent ponds and low areas on the quadrangle, it was decided to show intermittent ponds with a solid line and low areas with a dashed line to aid in differentiation. In the eastern portion of the quadrangle there are some perennial ponds. It is believed that sufficient ponds and intermittent ponds in this area have been labeled to prevent any confusion.

The contours on the field photographs did not agree perfectly with the ponds and low areas on the manuscript. Wherever it was evident on the photograph that the field party was showing a contour along a berm, the contour was moved to follow the berm as determined in the office, since it is believed that this can be determined more accurately in the office.

In cases where a contour follows the berm of a pond, intermittent pond or low area, the contour is indicated by a series of brown ticks on the lower side of the berm. It is believed that this will be easier to follow than labels. Depression contours have been labeled.

In a small area south of Hobe Sound contours were shown on the filed photographs with a ten foot interval. The five foot contours were interpolated on the map manuscript with the aid of spot elevations shown on the field photographs. The interpolated contours should be given a visual inspection during field edit.

Most of the delineation of contours was done by C.H. Baldwin.

29. SUPPLEMENTAL DATA:

None

30. MEAN HIGH-WATER LINE:

The mean high water line has been delineated according to field inspection notes.

31. LOW-WATER AND SHOAL LINES:

The low water line has been delineated according to field inspection notes. The line has been labeled "Approximate low water line" as there is no definite line to follow. There are no shoals.

32. DETAILS OFFSHORE FROM THE HIGH-WATER LINE:

None.

33. WHARVES AND SHORELINE STRUCTURES:

None.

34. LANDMARKS AND AIDS TO NAVIGATION:

Eight nonfloating aids to navigation have been located by radial plot methods, scaled and typed on form 524 and form 567. Form 567 will be submitted with quadrangle T-8411 as a project report. There are no other landmarks. See Chart Letter # 372 (1948) filed in Div. of Nautical Charts. *Filed in Div. Photogrammetry General Files*

35. HYDROGRAPHIC CONTROL:

No Hydrographic control was established.

36. LANDING FIELDS AND AERONAUTICAL AIDS:

There is one aeronautical beacon in the quadrangle.

It is also a triangulation station.

37. RECOVERABLE TOPOGRAPHIC STATIONS:

Recoverable topographic stations were established at 30 section corners, 8 nonfloating aids to navigation, 4 boundary monuments, and 1 U.S.G.D. reference mark.

38. SECTION LINES:

Section lines have been shown on the front of the manuscript in yellow pencil. They will be inked after field edit. Done.

A combination of General Land Office Plats of the State of Florida was used in constructing the section lines for this quadrangle.

A sufficient number of section corners were recovered to insure reasonable accuracy of plotting over most of the quadrangle. In the southern part two section corners were recovered that did not agree with the Land Office plats. An ozalid print with section lines inked in red is being furnished with discrepancies or points that should be checked noted thereon. It is requested that the field edit party check these.

The field inspection report stated that the section corner "33, 34, 4, 3, T 38/39 S - R 41 E" should be used with caution. This corner did not agree with the Land Office Plats and has been deleted.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

Comparison was made with C. & G.S. Planimetric maps T-4457-A and T-5916. T-4457A is very old. There are a number of cultural changes. A new channel of the Intracoastal Waterway has been dredged. There is a new dredged harbor south of Corset Island and one on the west side of Peck Lake. A number of old streets and roads have been deleted. A number of drainage ditches were shown as roads on the planimetric map. There are a few new roads. There are minor discrepancies in the shape of ponds and intermittent ponds.

T-5916 agrees very well except for some new ditches.

45. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with nautical charts 846 and 1247. Chart 1247 seems to have used Planimetric map T-4457A as a base, since it shows a number of roads that should be deleted, including some ditches shown as roads. The shoreline, however, seems to be up to date and correct. There are some minor changes in detail along the Intracoastal Waterway.

On nautical chart 846 there is a discrepancy in the shoreline on the west side at the south end of Peck Lake. Some roads at Hobe Sound should be deleted.

The map manuscript should supersede the charted information

Respectfully submitted,

B. Frank Lampton

B. Frank Lampton,
Photogrammetric Aid

Approved and forwarded:

George E. Morris, Jr.
George E. Morris, Jr.
Chief of Party.

FIELD EDIT REPORT

QUADRANGLE T-8412

"GOMEZ"

PROJECT GS-312-A

The field edit of this quadrangle was completed during March 1948 by John D. Weiler, Photogrammetrist.

46. METHODS

In field editing the map manuscript, all roads were traversed by truck. Considerable walking was necessary in the western half of the quadrangle because of the lack of roads.

The shoreline along the Atlantic Ocean was checked by walking, and along the Intracoastal Waterway, with a skiff. All data added to the map manuscript were either plotted from topographic features or cut in by planetable methods.

47. ADEQUACY OF THE MAP MANUSCRIPT

In general, the map manuscript was well done. There were a few omissions of a minor nature and some construction since the date of the original field inspection.

Road classifications were checked under Photogrammetry Instructions No.10. A considerable number of abandoned logging roads were classified as trails. This error has been corrected.

The contouring in the dune area just east of Banner Lake was checked. It appears to conform well with the terrain except for a few depression contours not interpolated by the compiler.

The most complex item on the sheet is the plethora of intermittent ponds, low ground, and swamp that the compiler has delineated. It is almost impossible to make a clean cut differentiation between these items as has been attempted on the sheet. For this reason the following method of showing them is recommended:

- A. All ground west of the green line on photographs 12140 and 12141 to bear the "low ground intermittently flooded" symbol. Intermittent ponds in this area to remain outlined, but the dashed areas labelled "L" to be disregarded. Swamp areas within this area to remain as swamp.

- B. Intermittent ponds, swamp, and low ground intermittently flooded east of this green line to remain as shown on the map manuscript.

The boundary line of the state park (formerly Camp Murphy) has been added to the sheet. It had not been named at the time of field edit. It is suggested that the compilation office write to the State Board of Forestry & Parks at Tallahassee, Florida., for notification of the correct name.

*See correspondence
in appendix.*

48. VERTICAL ACCURACY TESTS

No vertical accuracy tests were specified for this quadrangle.

49. PUBLIC LAND LINES

The original field inspection has covered section corners very well. Local information concerning the corners questioned by the compilation office indicated that they were the correct corners and a check showed that they had been correctly identified. The only solution possible is to hold all redcovered corners.

There is, however, a dispute concerning the tier line between T39S and T40S. Local surveyors have failed to agree as to the location of section corners along this line, depending on which township they were working. Since this condition exists, the logical plan is to hold the General Land Office Plats as well as possible along this line.

The map manuscript was reviewed by Mr. King, who farms a large area in the central portion of the quadrangle. A resident since 1913, and erstwhile surveyor, he was of considerable assistance in answering section line discrepancies. He could find no errors.

Submitted by:

John D. Weiler

John D. Weiler
Photogrammetrist

SUPERVISED:

William A. Rasure
William A. Rasure
Photogrammetric Engineer

APPROVED AND FORWARDED:

Ross A. Gilmore
Ross A. Gilmore
Chief of Party

SUPPLEMENTARY COMPILATION REPORT
AFTER FIELD EDIT
"GOMEZ"
QUADRANGLE T-8412
PROJECT CS-312-A

The field edit report recommends that all ground except for swamps and intermittent ponds west of the green line on photographs 12140 and 12141 bear the "low ground intermittently flooded" symbol. Examination of the photographs shows that the ground in this area is not homogeneous but is divided into two distinct categories. According to the original field inspection, one area consists of scattered pine, grass and palmetto, which ordinarily do not grow in areas subject to flooding. The other area appears to be clear, except perhaps for grass, and falls into a drainage-like pattern. They appear to be low areas that carry the flow of excess water during the rainy season. It is believed in the compilation office that this drainage pattern will be lost and the true character of the area will not be shown unless the area is divided into brush and low ground, intermittently flooded. See review, par. 25

The green line shown on the photographs has been transferred to the map manuscript, but the outlines of low areas have not been removed; so that the area can be delineated in either way at the discretion of the Washington Office. Green line removed during review.

On the eastern edge of the map manuscript, just north of U.S. Highway No. 1, a twenty-five-foot depression contour has been interpolated. The continuation of this contour was not originally shown on the adjoining manuscript, T-8413, but was added by the field editor. The continuation was erroneously drawn on the wrong side of a 28-foot spot elevation. The field editor calls for the depression ticks to be removed on T-8412. This is obviously a depression contour, and the position on T-8413 should be changed to the other side of the spot elevation.

There is a discrepancy between the General Land Office plats of T39S-R41E and T40S-R41E. Both plats show offsets along the township line, but they do not agree with each other. The plat of T39S-R41E is made from the later survey. It was found that by holding the offset corners in T40S as shown on the plat of T39S, the recovered section corners in T40S could be held much better. The section lines have been delineated accordingly. The recovered corner common to sections 2,3,10,11 T40S, R41E was not held when the section lines were reconstructed, on the recommendation of the field editor.

The sand areas shown on the field edit sheet have not been shown on the map manuscript as the instructions for topographic maps do not call for this distinction.

Correspondence with the Florida State Board of Forestry and Parks requesting the name of the new state park in the southeast part of the quadrangle is included with this report. *in appendix.*

Respectfully submitted,

B. Frank Lampton, Jr.

B. Frank Lampton, Jr.
Photo. Aid.

Approved and Forwarded:

Ross A. Gilmore

Ross A. Gilmore,
Chief of Party.

April 1945

U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Check letter 293 (1948)

TO BE CHARTED }
TO BE DELETED }

STRIKE OUT ONE

Vero Beach, Florida 22 March, 1948

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

Joseph K. Wilson
The positions given have been checked after listing by Joseph K. Wilson

George E. Morris, Jr.
George E. Morris, Jr. Chief of Party.

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED	
			LATITUDE		LONGITUDE				HARBOR CHART	OFFSHORE CHART
			D. M. METERS	D. P. METERS	D. M. METERS	D. P. METERS				
Lt. 25	South Jupiter Narrows Lt. 25		27 05.4	80 08.2	NA	T-8412 Visual	March 1948	X	846	
Bn. 30	" " Bn. 30		27 04.3	80 07.6	" "	" "	" "	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.

GEOGRAPHIC NAMES

Survey No. T-8412

GOMEZ, Fla.

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
	A	B	C	D	E	F	G	H	K
Florida									USGB 1
Martin County									2
Florida East Coast									3
Intracoastal Waterway									USGB 4
Atlantic Ocean									5
U.S. No. 1									6
State A1A									7
State No. 76									(this road is mentioned in the report as falling within the limits of this quadrangle, but this statement does not appear to be correct, as it apparently is farther north and west)
Jupiter State Park									10
Banner Lake									11
Hobe Sound									(town) 13
Gomez									14
South Jupiter Narrows									15
Corset Island									16
Peck Lake									USGB 17
Jupiter Island									18
South Fork St. Lucie River									19
Gomez Grant									20
Hanson Grant									21
									22
									Names underlined in red are approved. 5/4/48 23
									L. Heck. 24
									25
									26
									27

COPY

**Tampa Photogrammetric Office
Box 1689, Tampa, Florida**

30 March 1948

**State Board of Forestry and Parks
Tallahassee, Florida**

Gentlemen:

In conjunction with our current topographic mapping of the East Coast of Florida, one of our quadrangles includes the new state park which was formerly Camp Murphy. It is requested that if this park has been named that this office be informed accordingly so that it may be shown on the map which is now nearly completed.

In the event that this park has not been named at this date, please notify this office whenever such may be the case.

**Rees A. Gilmore
Lieut. Comdr. USCGS
Officer in Charge
Tampa Photogrammetric Office**

RAO/c

FLORIDA BOARD OF FORESTRY AND PARKS
A STATE AGENCY

COPY

TALLAHASSEE, FLORIDA
April 2, 1948

Department of Commerce
U. S. Coast and Geodetic Survey
Tampa Photogrammetric Office
Box 1689
Tampa, Florida

Attention: Lieut. Comdr. Ross A. Gilmore
Officer in Charge

Gentlemen:

We are in receipt of your letter of March 30 and wish to advise that the area, which was formerly Camp Murphy, has been named Jupiter State Park.

Sincerely yours,

(S) Lewis G. Scoggin
Park Director

Division of Photogrammetry
Review report of
Topographic Map Manuscript T-8412

Subject numbers not used in this report have been adequately covered in other parts of the descriptive report.

28. Detailing:

The areas classified as low ground during the delineation of the manuscript will be shown the same as brush area on the published map. Such areas were not consistent with the contours and were broken down into very small areas. The distinction between low ground areas and brush areas as delineated is very fine. On the published map, the contours will make it possible to determine most of these low areas without the use of a distinguishing symbol.

Small red ticks were used on the manuscript instead of the conventional contour symbol where ever a contour coincided with the edge of a pond, intermittent pond, marsh, or swamp. There is a note on the manuscript explaining this unusual symbol. No attempt was made during review to convert the drafting to the proper symbolization because of the large amount of work that would be involved.

34. Landmarks and Aids to Navigation:

Data obtained on aids during field edit have been listed on Form 567 and filed in Nautical Chart Division as Chart Letter #293 (1948). See photostat copies in appendix.

43. Comparisons with previous Surveys:

This survey supersedes T-1640 (1883) 1:20000
T-1649 (1883) 1:40000
T-4558A (1928) 1:20000 in common areas.

45. Comparisons with Nautical Charts:

This survey has not been applied to the charts prior to review. There are no details requiring immediate charting. See page 3 of Completion Report

48. Accuracy:

This map complies with national map accuracy standards.

49. Overlay:

An overlay has been prepared for the drafting section showing road classifications, drafting notes, etc. and the new format for quadraugles. This map will be edited and published by the Geological Survey.

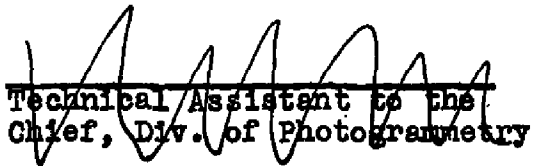
Reviewed by:

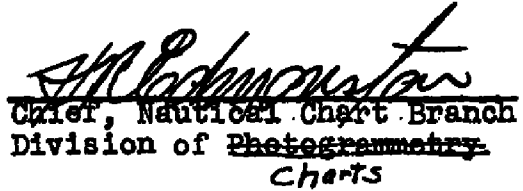
Jack L. Rihn
Jack L. Rihn
Bartographer (Photogrammetrist)

Reviewed under direction of:

S. V. Griffith
S. V. Griffith *E.H.M.*
Chief, Review Section

APPROVED:


Technical Assistant to the
Chief, Div. of Photogrammetry


Chief, Nautical Chart Branch
Division of ~~Photogrammetry~~
Charts

K.T. Adams
Chief, Div. of Photogrammetry

W.M. Scayle
Chief, Div. of Coastal Surveys

T-8412

Record of Work Subsequent to the Manuscript Review,
that is, Smooth Drafting, Checking, and Printing

Smooth Drafting: 20 October 1948

Checking: 20-27 October 1948

Manuscript forwarded to the U. S. Geological
Survey for smooth drafting and publication.

29 November, 1948

Color proof furnished by the Geological Survey and
examined by _____,

Name

Date

Published by the Geological Survey.

