

8423

Diag'd. on Dwg. Ch. 1248-2 (inset)

8423

<small>FORM 504</small>	
U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	TOPOGRAPHIC
Field No. T-8423	Office No. T-8423
LOCALITY	
State	Florida
General locality	Palm Beach County
Locality	Delmar Farms
194 5	
CHIEF OF PARTY	
Lt. Comdr. J. C. Bose	
LIBRARY & ARCHIVES	
DATE	May 24, 1948

DATA RECORD

T-8423

Quadrangle (II): T-8423 Delmar Farms
 Declination $1^{\circ}15'$ East

Project No. (II): CS-312-A

Field Office: Tampa, Florida Chief of Party: Lt. Comdr. J. C. Bose

Compilation Office: Tampa, Fla. Chief of Party: Lt. Comdr. J. C. Bose

Instructions dated (II III):

25 May 1945

Copy filed in Descriptive
 Report No. T- (VI)
 Div. of Photogrammetry
 Office Files.

Completed survey received in office: 7-26-46

Reported to Nautical Chart Section:

Reviewed: 18 Dec. 1946 Applied to chart No. Date:

Redrafting Completed:

Registered: ^{May} 4-12-48

Published:

Compilation Scale: 1:20,300

Published Scale: 1:24,000

Scale Factor (III): .98522

Geographic Datum (III): No. American 1927 Datum Plane (III): M.S.L.

Reference Station (III): DEWITT, 1934

Lat.: $26^{\circ}27'12.446''$ (383.02) Long.: $80^{\circ}12'10.511''$ (291.2) Adjusted
~~Unadjusted~~

State Plane Coordinates (VI): Florida East Zone

x = 760,797.79 feet

y = 771,282.02 feet

Military Grid Zone (VI) " B "

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
12151	11/25/42	11:21A.M.	1:20,300	(Inshore quadrangle)
12152	" " "	" "	" "	" "
12153	" " "	" "	" "	" "
12170	" " "	11:50A.M.	" "	" "
12171	" " "	" "	" "	" "

Tide from (III): **Mayport, Fla.**

Mean Range: **2.8**

Spring Range: **3.3**

Camera: (kind or source) **U.S.C. & G.S. 9 Lens 8 1/2 Focal Length**

Field Inspection by: **John C. Lajoie, Prin. Photo. date: 10/9/44 - 6/9/45**
Aid.

Field Edit by: **J. K. Wilson**

date: **Apr. - July, 1946**

Date of Mean High-Water Line Location (III): **June 1944**

Projection and Grids ruled by (III) **Washington & Tampa** date: **June & July 1944**

" " " checked by: " " " " date: " " "

Control plotted by: **D. Singleton** date: **July 1944**

Control checked by: **J. C. Collins** date: " "

Radial Plot by: **B. H. Lyon** date: **Sept. 1945**

Detailed by: **R. J. Pate** date: **Oct. 1945**

Reviewed in compilation office by: **J. A. Giles** date: **Nov. 1945**

Elevations on ^{map manuscript} ~~Field Edit Sheet~~ checked by: **J. L. Rihn** date: **June 1947**

STATISTICS (III)

Land Area (Sq. Statute Miles): 66

Shoreline (More than 200 meters to opposite shore): None

Shoreline (Less than 200 meters to opposite shore): None

Number of Recoverable Topographic Stations established: None

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles: 69.8

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:

DESCRIPTIVE REPORT TO

ACCOMPANY

QUADRANGLE T- 8423

1. DESCRIPTION OF AREA

This quadrangle is located between Latitude $26^{\circ}22'30''$ and Latitude $26^{\circ}30'00''$, and Longitude $80^{\circ}07'30''$ and Longitude $80^{\circ}15'00''$; on the east coast of Florida, in Palm Beach County. The land area of this quad consists of about 66 square statute miles. Elevations range from 15 feet on the south east part of the quadrangle to twenty five feet, and drops to the 15 foot contour into the Everglades.

The principal cultural features of this quadrangle are the Delray Road, the Range Line road, and the three Equalizing Canals running north and south through the entire length of this quadrangle. The Delray Road and the Range Line Road are the only paved roads that traverse the entire length and breadth of the quadrangle and travel off these roads must be on poor sand roads or wood trails.

The greater part of this quadrangle is farm land, farmed by people who live in towns such as Delray, Boynton Beach or Pompano. For this reason, there are very few dwellings shown on the field inspection sheet since most of the buildings are negro tenant shacks in very poor state of repair. The roads in this farm country are in use only during the winter months and are not maintained during the off season.

The vegetation is composed mostly of scattered pine, palmetto, oak scrub and high grass. The type of vegetation varies with the elevation and moisture content of the sand. On the extreme west edge of this quadrangle the cultivation stops and the land is covered with cypress hummocks, grassy ponds, custard apple bush and other typical tropical underbrush. This area is flooded under normal conditions and when visited by the field party, was flooded at an elevation of 14.6 feet. Further progress through this wilderness was impossible and conditions west of the furthest penetration of this party were not investigated. It is believed that negotiations are under way to secure equipment which is capable of dealing with this country, and if such equipment is available, a further report will be made regarding this area.

In the field inspection of this area, it was noted that there were comparatively large areas which had been under cultivation and were now abandoned and that other areas west of Equalizing canal #3 were being cleared. Investigation showed that the receding water table had forced these farmers west in search of water and that the land now cleared will probably be in cultivation in a few years while other areas will be cleared in the future.

The area is well drained by lateral canals every $\frac{1}{2}$ mile and the three large equalizing canals. Some of the laterals have been left to fill up while others have been cleaned out periodically. Areas near the Equalizing canals are very heavily cultivated while the areas between these canals, but away from the larger laterals, have been allowed to grow up in small scattered pine and palmetto.

2. COMPLETENESS OF FIELD INSPECTION

The field inspection has been done in accordance with the instructions issued to War Mapping Projects, and supplemental instructions issued for this project. Part of this area had been previously inspected for planimetric maps and while this investigation was complete, it was necessary to reclassify roads, vegetation, buildings etc, to conform to War Mapping Standards.

In cases where the inspection on the two projects conflict, it is recommended that these notes be used, since this area is subject to ditching and cultivation and the field conditions in this area change rapidly.

3. INTERPRETATION OF PHOTOGRAPHS

Densely wooded areas of pine appear very dark, other densely wooded areas of brush show slightly lighter. Cypress and heavy palmettos give a grey pebbled appearance. Scattered pine and palmetto show as speckly areas while grass and custard apple show as a very light gray.

Numerous intermittent ponds show as gray or black areas, depending on the amount of water or the color of the bottom at the time of the photographs, and the berm of the ponds are clearly defined.

4. HORIZONTAL CONTROL

The recovery of horizontal control was accomplished by the Planimetric Field party and should be taken from the planimetric field inspection photographs.

5. VERTICAL CONTROL

For the vertical control necessary for contouring, fly line levels were run between U. S. Coast and Geodetic Survey Bench Marks previously established and located. While running these lines, level points (T.B.M.s) were established at identifiable points on the photographs and where these points were indistinct in the field, they were marked by stakes or bottle caps. These level lines were run along roads, ditchbanks, railroads, and highways, some of which were above or below the general elevation of the surrounding territory.

Main level lines were closed with the degree of accuracy required by the instructions issued to War Mapping Field Parties, and adjusted. Intermediate lines were adjusted only where the closing error exceeded 0.2 feet.

Level elevations were inked in blue on Photographs 12151, 12152, 12153, 12170, and 12171. Bench marks established by the U.S. Coast & Geodetic Survey are shown in their approximate position. The true position of these B.M.s is shown on the planimetric Field print.

The elevations of the B.M.s are shown to the hundredth, along with the identifying letter, number, and year of the mark. T.B.M.s are shown to the nearest tenth of a foot and in some cases are shown with the letter and number of the line in which they are contained.

The levels in this quadrangle were run by John C. Lajoie, Prin. Photo. Aid. and Ben O. Bryant, Sr. Photo. Aid.

6. CONTOURS AND DRAINAGE

Contouring was done on Photographs 12151, 12152, 12153, 12170 and 12171, using standard plane table and alidade methods, according to War Mapping instructions for this project.

The contours on this quadrangle are interrupted by the numerous drainage and irrigation ditches and it was necessary to break the contours or turn them along the spoil banks. These banks, along ditches used or drainage, generally reached a height of around 20 feet, and elevations are shown along the spoil in various places. In addition water level shots were taken and the contours contained in the ditches are shown by notes. On larger irrigation canals, banks are some what higher, but the same methods used to indicate the height of the banks or the depth of ditches.

It was necessary to run several fairly long plane traverses, but the error of closure on these lines was low enough to fill the requirements for fly line levels.

There is no natural drainage in this quadrangle unless in the Everglades, and this could not be investigated for the reasons stated in Item 1.

The contours have been run up to the banks of the ditches and turned along the spoil. From the elevations shown on the spoil, it is intended that sufficient information can be gathered to continue the contour until the point of turn, which is marked.

The contouring in this quadrangle was done by John C. Lajoie, Prin. Photo. Aid. and Ben O. Bryant, Sr. Photo. Aid.

The area contoured by each topographer could not be shown by a sketch, according to instructions, as Mr. Bryant contoured at different intervals over the entire quadrangle, in order to gain experience in contouring.

7-8-9-10-11-12- Inapplicable to this quadrangle

13. LANDING FIELDS AND AERONAUTICAL AIDS

There are no landing fields or aeronautical aids in this quadrangle.

14. ROAD CLASSIFICATION

All roads were classified according to the instructions issued for War Mapping Field Parties. In the case of U roads, many were deleted since a large portion of the cultivation to which they led has been abandoned due to the falling water table. In addition, the distribution of vegetation and the character of the soil is such that a road can be established anywhere by merely driving a car over the sand. Roads in this area were classified by John C. Lajoie. See paragraph #14 of Field Edit report.

15. BRIDGES

All bridges in this quadrangle were classified by George E. Varnadoe, Prin. Photo. Aid. according to instructions, issued for War Mapping Field Parties.

16. BUILDINGS AND STRUCTURES

All habitable buildings were circled. Barns, when of sufficient size and topographic importance have been labeled as tenant houses and any large open sheds have been deleted.

The field inspection in this area has been done by John C. Lajoie, Prin. Photo. Aid.

17. BOUNDARY MONUMENTS AND LINES

No monumented boundary lines exist in this quadrangle except section corners. See Item 19.

18. GEOGRAPHIC NAMES *214*

This has been the subject of a special report by Lowell I. Bass, Jr. Engr. Aid. Approved list attached to this report.

19. SECTION CORNERS

A comparatively small number of section corners has been recovered in comparison to the number searched for. However, this area is fairly recent in cultivation and fairly old since ditching and it is believed that the points which were established in the original surveys have either been torn up or rotted out and the corners found, with few exceptions, have been recently established by the local landowners. The general trend seems to be to honor the center of the lateral ditches as section lines although there are some people who still hold to the north and south side of the laterals. Land in this area is only leased from the drainage authority and corners mean little or nothing. The section corners in this area were searched for by John C. Lajoie, Prin. Photo. Aid, and Ben O. Bryant, Sr. Photo. Aid.

Pricking cards have been submitted and it is recommended that the corners marked doubtful or poor be used with caution.

No section corners were searched for west of one mile west of Range 41 for reason noted in Item 1.

20. POWER LINE

There is only one power line worthy of mention in this quadrangle. This line runs from the south edge of this quadrangle along a 4U road to a ditch bank, thence east along the ditch, then turns to hit a 4U road and then crosses the quadrangle line into quadrangle T-8422. This power line has been shown since the roads paralleling it are of less topographic permanence than the power line.

Approved and forwarded by:

J. C. Bose
Lt. Comdr. J. C. Bose
Chief of Party

Respectfully submitted,

John C. Lajoie
Prin. Photo. Aid.

COMPILATION REPORT
TO ACCOMPANY
QUADRANGLE T-8423

26 & 27 CONTROL & RADIAL PLOT

A separate report on control and Radial Plot is being submitted by Mr. B.H. Lyon, Assistant Photogrammetric Engineer.

Not available.
18 Dec 46 J.R.
Available Apr 48
KWM

28 DETAILING

All photographs used in compiling this topographic manuscript were exceptionally clear. The scale was rather bad on all except numbers 12170 and 12172. The scale on these two was very good.

A number of ditches dug since the photographs were taken appear between latitudes $26^{\circ} 26'$ and $26^{\circ} 28'$ and longitudes $80^{\circ} 11'$ and $80^{\circ} 12'$. They were drawn on field prints numbered 12152A, 12171 and 12171A by the field party.

Drafting of the ditches between latitudes $26^{\circ} 27'$ and $26^{\circ} 28'$ were taken from office print 12172 after transferring them from field print 12171A under the stereoscope. Drafting of those between latitude $26^{\circ} 26'$ and $26^{\circ} 27'$ was taken from office print number 12170 after transferring them by measurements from field prints numbers 12171A and 12152A.

Ditches appearing at latitude $26^{\circ} 25'$, longitude $80^{\circ} 09'$ were drawn on field print 12153A and 12153 by the field party. These ditches were detailed from field print number 12153.

There are a number of cultivated fields in this area in which the trees are left standing. Such areas are marked SS-(cult.) on F.P. 12169A, 12170A and 12153A. They have been labeled with this symbol on the woodland overlay.

There is a large area between latitude $26^{\circ} 21' 30''$ to latitude $26^{\circ} 23' 30''$ and longitude $80^{\circ} 12'$ to longitude $80^{\circ} 13' 30''$ that also appears, on the photographs, to be under cultivation with trees standing.

A final interpretation of this area will be accomplished during the field edit. (see note on discrepancy overlay).

It will be noted that all numbers and side headings, other than the above, are inapplicable and have been omitted according to the instructions for the preparation of descriptive reports.

Respectively submitted

Russell G. Pate

R. J. Pate

Sr. Photogrammetric Aid

Approved and forwarded:

J.C. Bose

Lieut. Comdr. J.C. Bose
Chief of Party.

FIELD EDIT REPORT
QUADRANGLE T-8423
PROJECT CS 312-A

46 METHODS:

In checking the map compilation all roads were traversed by truck. All buildings, ditches, roads, etc., added to the map compilation were done by plane-table methods except in a few instances where measurements were plotted from topographic features.

47 ADEQUACY OF THE COMPILATION:

The compilation was adequate and correct except for just a few instances where changes have been made since the field inspection.

Attention is called to the area in this quadrangle east of the Range Line Road (State Highway No. 199). This area is a farming section located within the Lake Worth Drainage District and is being developed very rapidly. Many ditches are being cut and the land is being cleared.

On the discrepancy overlay there have been many small ditches asked to be added by the Washington Review Unit. Since these ditches in most instances were of a temporary nature and will probably change as the land is plowed for a new crop these ditches have not been added. This decision relative to drainage ditches was based on the probably permanency of the ditches. Also, local farmers were consulted in this matter.

Attention is called to the State Highway No. ~~198~~²⁰⁶. According to the field inspection this road was shown as the Delray Road. This is not the correct name. See report of quadrangle T-8422.

State Highway No. ~~199~~ (Range Line Road) is now under construction between the State Highway No. ~~198~~ that leads into Delray Beach and the West Palm Beach Canal. This road has been shown south of the junction of State Highway No. ~~198~~ and State Highway No. 199 as a road one. It is believed that the portion under construction should be shown as a road one, because it will be completed within the next few months.

on manuscript
This road will be shown as class 3 with a note that it is being reconstructed.
J.R.

48 VERTICAL ACCURACY TEST:

There has been no vertical accuracy test run in this quadrangle since Mr. J. C. Lajoie did the original contour work of T-8422 and T-8423. The accuracy test in T-8422 was considered sufficient for both quadrangles.

The vertical accuracy test for T-8422 is included in the report for that survey.

14 ROAD CLASSIFICATIONS:

All roads were re-classified according to the latest instructions dated 30 June 1945. Filed in Div. Photogrammetry Office Files.

49 WOODLAND:

Many areas have been cleared in this quadrangle. Within the cleared areas there are still many intermittent ponds and also small swamp areas. These intermittent ponds and swamp areas within the cleared section will probably not exist within a few years because most of the cleared sections have adequate drainage. Woodland areas were checked by the field edit party and the woodland overlay was found to be very good. Woodland overlays discarded see review. J. R.

50 SECTION CORNERS:

Many section corners were searched for but no additional ones were found. See also special report filed at back of T 8420 Bgg.

18 GEOGRAPHIC NAMES: 814 ✓

Geographic names for this quadrangle will be submitted in a special report by Mr. Lowell I. Bass. This area is very sparsely settled and there are very few geographic names. See approved list attached to this report. Filed with Special Reports under Proj. 312

This map manuscript was examined for possible errors by Mr. E. O. Harvel. Mr. Harvel has been a resident of Palm Beach County for over 40 years. He found no errors. His address is Delray Beach, Florida. See review on Quad name.

The field edit work of the quadrangle was done between April and July of 1946.

Respectfully submitted,

Joseph K. Wilson
Joseph K. Wilson
Photogrammetric Aid

Approved and Forwarded:

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

Most of the field edit corrections were applied in the Tampa Office.

Division of Photogrammetry
Review Report of
Topographic Map Manuscript T-8423

The map manuscript for this quadrangle has been compiled in four parts.

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

26. Control. - Bench Mark N-97 was moved during the reconstruction of State Route #7. It has been deleted from the map manuscript.

28. Detailing. - The vegetation classifications, as indicated on overlays, have been transferred to three pieces of the map manuscript. These overlays were then discarded. The fourth part of the map manuscript, the southeast section, was in such poor condition that it was not deemed advisable to transfer the information.

See attached
copy of letter
on "Redrafting"

A drafting overlay was prepared, by the reviewer, as an aid to the smooth draftsman. It shows road classifications, control, grid ticks, spot elevations, etc.

The section of State Route #7 under construction at the time of field edit has been shown as a class 3 road on the map manuscript with the appended notation "under construction". The smooth draftsman will indicate this road in the same manner.

38. Section Lines. - On the original compilation block lines and corners of the survey subdividing the West Palm Beach Farms were confused with the section lines and corners of the General Land Office. This situation has been clarified by the reviewer. Section lines, corners and numbers have been shown on the map manuscript. (Ref: Letter dated 6 December 1946 from L. V. Evans)

39. Datum. - The compilation has been made on the North American datum. Recommendations for transferring the compilation to the North American 1927 datum have been indicated in the Review Report of T-8421.

40. Geographic Names. - Some confusion existed, as to the proper spelling of the name of this quadrangle, until it reached the review section. The Field Edit Party reported the name as Delmor Farms, while the Geographic Names Report used Delmore Farms. Upon a request by this

office, a special investigation by Lt. Comdr. Morris established the name, Delmor Farms, as being correct. *

48. Accuracy Tests. - No accuracy tests were made in this quadrangle. The results of a vertical accuracy test run in the adjoining quadrangle, T-8422 are shown in the Descriptive Report for that survey.

~~It is believed that~~ This map manuscript complies with the national standard map accuracy requirements.

Reviewed by:

Reviewed under direction of:

Jack L. Rihn

Jack L. Rihn
Photogrammetrist
18 December 1946

S. V. Griffith

S. V. Griffith
Chief, Review Section

APPROVED BY:

B. Jones 5/48

Technical Assistant to the
Chief, Div. of Photogrammetry

Robert L. ...

Chief, Nautical Chart Br.
Division of Charts

K. T. Adams

Chief, Div. of Photogrammetry

C. K. Green

Chief, Div. of Coastal Surveys

* Letter from Mr. A. Rasure, 5 Feb, 1948 states that "Delmar" is the correct and accepted spelling. Letter is in Div. of Photogrammetry Office files under "Quadrangle Names." (L.T.S. 23 Mar, 1948)

This map manuscript was forwarded to the Tampa Office, subsequent to Review for redrafting on a new projection showing both datums. (See copy of letter to Lt. Comdr. Morris immediately following this Review Reprt). A note in red ink, designating the datums, has been placed on the registered copy of the map manuscript. The published map will show only the North American 1927 datum. *B*

22 December 1947

To: Lt. Comdr. George E. Morris, Jr.
U. S. Coast and Geodetic Survey
P. O. Box 1689
Tampa, Florida

Subject: Redrafting of Map Manuscripts T-8422 to T-8425 inclusive,
Project CS-312

The original manuscripts T-8422 to T-8425 inclusive, are being forwarded to you today for the drafting of new manuscripts by copying the originals.

Drafting of new manuscripts is necessary because the originals have become so illegible that it is impracticable to prepare adequate blue line copies for final reproduction drafting.

New projection bases showing both the North American and the North American 1927 polyconic projections and state grid lines, together with field edit sheets and descriptive reports of these manuscripts are also being forwarded. The new manuscripts shall be prepared by copying or tracing directly from originals onto the new projection bases.

No compilation work is contemplated and, therefore, photographs are not being forwarded. The field edit sheets are being forwarded because in some cases they may show the details somewhat more clearly than the original manuscripts.

These new manuscripts shall be drawn in the same style as were the originals, and shall not conform to Photogrammetry Instructions No. 17, with the exception of Woodland. In copying the Woodland outlines, the classification shall be combined to conform with Photogrammetry Instructions No. 15 and 17.

The assignment of this work to the Tampa Office is in no way intended as a criticism of your compilation of the original manuscripts. The poor condition of the manuscripts is due largely to the fact that in accordance with instructions from the Washington Office they were converted from planimetric manuscripts, which has been started and were unfinished at the time Project CS-312 was undertaken. The work is being assigned to the field office to relieve the Drafting Section of the Washington Office, which has a large back log of final drafting on hand.

/s/ J. H. HAWLEY
Acting Director.

New manuscript compiled in Tampa and completed

New manuscript verified by

Inspected in the Washington Office by *Lena T. Stevens, March, 1948*

The new manuscript now supersedes the old manuscript for all future work.

GEOGRAPHIC NAMES

Survey No. T-8423

DELMAR FARMS, 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
<u>Florida</u>									USGB 1
<u>Palm Beach County</u>									2
									3
<u>Delmar Farms</u>			(nothing in any available report to show just where this name should be centrally applied)						4
<u>Atlantic Avenue</u>			State No. 806						5
<u>Range Line Road</u>			State No. 7						6
									7
									8
									9
									Names underlined in red are approved. 4/9/48 L. Beck
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