

8803

Diag'd. on Diag. Ch. No. 1249 1249

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	Topographic
Field No. T-8803	Office No.
LOCALITY	
State	Florida
General locality	Dade County
Locality	Glades
1947	
CHIEF OF PARTY	
Lieut. Comdr. George E. Morris, Jr.	
LIBRARY & ARCHIVES	
DATE	June 3, 1948

B-1870-1 (1)

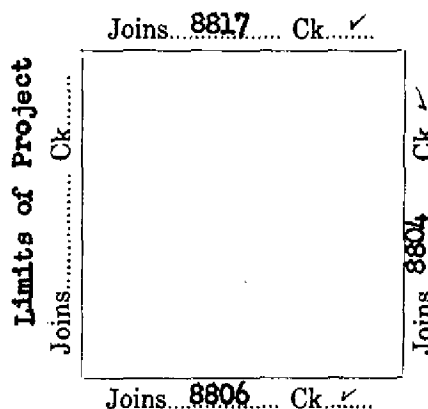
8803

RECORD SHEET

Div. of Photogrammetry
Graphic Compilation Sect.

GENERAL LOCALITY Florida East Coast
LOCALITY S. of Homestead
PHOTOS ORDERED 6 Jan. 1947 REC'D 4 Feb. 1947
PROJECTION ORDERED 16 Dec. 1946
CONTROL:
COMPUTED R.J. Pate VERIFIED R. Dossett
M.M. Slavney
PLOTTED R.J. Pate VERIFIED R. Dossett
PHOTO PREPARATION:
CONTROL R.J. Pate - M.M. Slavney
AZIMUTHS R.J. Pate - M.M. Slavney
PASS POINTS R.J. Pate

SHEET NO. T-8803
PROJECT NO. Ph-10 (46)
SCALE 1:20,000



TEMPLATES R.J. Pate VERIFIED M.M. Slavney
RADIAL PLOT:
PLOTTED BY M.M. Slavney DATE April 24, 1947
VERIFIED M.M. Slavney DATE April 24, 1947
COMPILATION:
DETAIL POINTS R.A. Reece DATE May, 1947
DETAIL BY R.A. Reece DATE June 1947
VERIFIED BY J.A. Giles DATE June 1947

DATE OF PHOTOS April 11, 1946
TIME OF PHOTOS 10:06 a.m.
STAGE OF TIDE Negligible

COMPARISON WITH PREVIOUS SURVEYS; TOPO., HYDRO., AND CHARTS:

A comparison was made with U.S. C. & G.S. Nautical Charts No. 849 bearing a print date of 27 October 1945 and No. 1249 bearing a print date of 26 January 1946. Very few changes were noted in the small area that could be compared.

REMARKS

FORWARDED TO _____ DATE _____

DATA RECORD

T- 8803

Quadrangle (II): Glades, Fla. La

Project No. (II): Ph-10(46)

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): 21 Oct. 1946

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

Completed survey received in office: 1-26-48

Reported to Nautical Chart Section:

Reviewed: 5-7-48 ^{Partially} Applied to chart No. 849 Date: 10/27/47
1249 10/17/47

Redrafting Completed:

Registered: 5-24-48

Published:

Compilation Scale: 1:20,000

Published Scale:

Scale Factor (III): None

Geographic Datum (III): N.A. 1927

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

Reference Station (III): QUARRY 1935

Lat.: 25° 20' 27.588"
(848.9m)Long.: 80° 24' 47.324"
(1323.4)mAdjusted
(Reducted)State Plane Coordinates (VI): ^{Florida} East Zone

X = 693,820.75 Feet Y = 366,591.63 Feet

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
16326-29	4/11/46	10:03	1:20,000	None
16333-36	"	10:06	"	"
16343-45	"	10:06	"	"

Mayport - Reference Station
Tide from (III): Barnes Sound

Mean Range: 0.2 Spring Range:

Camera: (Kind or source) U.S. C. & G.S. 9-Lens, 8 $\frac{1}{2}$ " focal length

Field Inspection by: J.E. Hundley
E.H. Taylor date: April, 1947
C.H. Bishop

Field Edit by: J. D. Weiler date: Nov 1947

Date of Mean High-Water Line Location (III): April, 11, 1947

Projection and Grids ruled by (III) Washington Office date: December 1946

" " " checked by: Washington Office date: December 1946

Control plotted by: R.J. Pate date: February 6, 1947

Control checked by: R. Dossett date: February 7, 1947

Radial Plot by: M.M. Slavney date: April 24, 1947

Detailed by: R.A. Reece date: May-June 1947

Reviewed in compilation office by: J.A. Giles date: June 1947

Map Manuscript
Elevations on ~~Photo~~ ~~Sheet~~
checked by: J.A. Giles date: June, 1947

STATISTICS (III)

Land Area (Sq. Statute Miles): 57.5

Shoreline (More than 200 meters to opposite shore): 26.5 Stat. Mi.

Shoreline (Less than 200 meters to opposite shore): 17.0

Number of Recoverable Topographic Stations established: 0

Number of Temporary Hydrographic Stations located by radial 0 plot:

Leveling (to control contours) - miles: 12.1

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:

SCALE FACTOR

[illegible]

1 ET = 304805 METERS

COMPUTED BY: **R.J. Pate**

DATE 14 Jan. 1947

CHECKED BY: M.M. Slavney

DATE 14 Jan. 1947

M-2388-12

FIELD INSPECTION REPORT
TO ACCOMPANY QUADRANGLE T-8803

GLADES

PROJECT Ph-10(46)

30 April 1947

1 - DESCRIPTION OF THE AREA

This standard, 7½ minute quadrangle (N2515-W8022.5/7.5) lies mainly in the southern part of Dade County, Florida, south of the city of Homestead. The mainland in the quadrangle is in Dade County, while the few small keys which are included fall in Monroe County.

The entire land area is extremely low, varying in elevation from sea level to approximately 2½ feet above mean sea level. Water stands over much of the area except in the driest season of the year.

Vegetation consists of mangrove along the shoreline with the remainder of the area being gladeland with mangrove sloughs, changing to scattered mangrove to grass with brush hammocks as the terrain rises toward the interior.

There are two highways traversing this area: U.S. Highway No. 1 (Overseas Highway) and one other road east of U.S. No. 1 which at one time was the Overseas Highway but is now just a road to Barnes Sound since its bridge across to Key Largo has been destroyed.

2 - COMPLETENESS OF FIELD INSPECTION

Field inspection has been completed according to instructions for the project. filed in Div. of Photogrammetry, General Files

The field inspection is believed complete, with sufficient notes for correct compilation. Field inspection notes are on photographs Nos. 16326(No.2), 16327(No.1), 16328(No.1), 16334(No.1), 16335(No. 1) and 16336(No.2).

3 - INTERPRETATION OF PHOTOGRAPHS

No difficulty was encountered in the interpretation of the photographs.

The dense mangrove along the shoreline, sloughs, and low spots, has its typical, very dark, dense tone. The very light background tone in the area near the shoreline represents mud flats, with scattered low mangrove bushes and prominent dark clumps of higher, dense mangrove. As the terrain rises very gradually towards the interior, the background tone changes to medium-light gray to medium-gray, indicating zones of very scattered mangrove bushes with rather sparse grass and heavier stands of grass with no mangrove, respectively. The dark, densely mottled spots inland from the mangrove zone are low hammocks of very dense brush.

4 - HORIZONTAL CONTROL

The horizontal control within this quadrangle consists of U.S.C. & G.S. triangulation only. All stations were searched for, and all recovered were identified for photograph control.

Control identification is on photographs Nos. 16334(No.1) and 16335(No.2).

5 - VERTICAL CONTROL

No permanent vertical control was recovered in this quadrangle; the bench marks of the first-order U.S.C. & G.S. level line along the old Florida East Coast Railroad were all destroyed when the present highway was built on the railroad fill.

Fourth-order levels, to control contouring, were run along all roads in the quadrangle and adjusted prior to inking elevations on the photographs. Level notes are recorded in Vol. 1, Wye levels, Ph-10(46).

6 - CONTOURS AND DRAINAGE

The only contours in this quadrangle are along the road fills. The elevation of the natural terrain at the northern limits of the quadrangle was found, in the course of contouring in Quadrangle 8817, to be about 2 to 2.5 feet. The slope of the gladeland is toward the shoreline, and since inspection showed that there were no highspots in the gladeland there is no natural 5-foot contour. Rod shots and angle shots to identifiable details, using scaled distances from the photographs, were taken at intervals from the roads, to prove the absence of contours. Since there is no contour at or near the west limits of the quadrangle, the planetable traverse along the west project limits was omitted on authority of letter dated 18 March 1947, Reference No. 73-1d, signed J. H. Hawley, Acting Director.

The very low elevation of the glades area was further verified by information from the Soil Conservation Service. While they did not run levels through the area, their water-table investigation proved the terrain to be as previously noted.

7 - MEAN HIGH-WATER LINE

The shoreline was inspected from a boat run as close as possible to the shore. Most of the shoreline is indefinite, the MHWL being in the mangrove. This is labeled "apparent shoreline". Where there is a definite MHWL, it is labeled "actual shoreline".

8 - LOW-WATER LINE

Since the shoreline is predominately "apparent", the high water line and low water line are both in the mangroves. No attempt was made to show a low water line.

9 - WHARVES AND SHORELINE STRUCTURES

The only wharves or shoreline structures in the area are on the south side of the causeway of the Old Dixie Highway between Barnes and Card Sounds. These were delineated on the photographs.

10 - DETAILS OFFSHORE FROM HIGH-WATER LINE

The only offshore details are detached clumps of mangroves and small shoals. These were noted on the photographs.

11 - LANDMARKS AND AIDS TO NAVIGATION

There are no landmarks or aids to navigation in the quadrangle.

12 - HYDROGRAPHIC CONTROL

Not required for this project

13 - LANDING FIELDS AND AERONAUTICAL AIDS

There are no landing fields nor aeronautical aids within the quadrangle.

14 - ROAD CLASSIFICATION

All roads in this area have been classified according to instructions dated 30 June 1945. Reclassified by Field Editor.

15 - BRIDGES

There are no bridges over navigable waterways in this area.

16 - BUILDINGS AND STRUCTURES

The only buildings within the quadrangle are along the causeway of the south end of the Old Dixie Highway; these have been circled in red on photograph No. 16334 (No.1).

17 - BOUNDARY MONUMENTS AND LINES:

The mainland of this quadrangle lies in Election Precinct No. 92, Commissioners District 4, Dade County; the water area and small keys are in precinct No. 7, District 5, Monroe County. In addition to the Dade-Monroe County Line, the boundary of the newly established but as yet undeveloped Everglades National Park falls partly within this quadrangle. For descriptions of these boundary lines, refer to the Special Report on Boundaries Project Ph-10(46). Filed in Div. of Photogrammetry General Files.

18 - GEOGRAPHIC NAMES *Approved list filed in Div of Charts, Geographic Names Section*

See special Report on Geographic Names, Project Ph-10(46).

19 - TOPOGRAPHIC STATIONS

Three topographic stations were established in the area, two along the shoreline and one inland (~~Quarry Azimuth Mark~~).

Quarry No 3, 1935 - See Review Report.

20 - SYMBOLS

Symbols may be found on the back of photograph No. 16334.

21 - PUBLIC LAND LINES

One locally established section corner recovered. See Review Report.
No section corners were recovered within the quadrangle. Information from the local engineers contacted indicates that it has been their experience that there are no recoverable corners in this gladeland area.

The Biscayne Engineering Co. of Miami was forced, after thorough investigation, to run a traverse from Homestead to the shoreline in order to determine the section in which a test well(oil) was located. They plotted their traverse and tied it to the shoreline taken from U.S.C. & G.S. planimetric sheets, then matched the shoreline from the G.L.O. township plats as well as possible to the present

shoreline; in that manner, the section lines as constructed from the traverse could be compared to the original section lines on the plats. It was found that the section layout, as shown on "Map of Survey--Showing Location of Test Well, Sec. 29-Twp. 59S-Rge. 39E, Dade County, Florida - for Republic Oil Co.", (a print of which is submitted), agreed quite well with the original plats. This layout was therefore accepted by the Biscayne Engineering Co., and the legal description of the oil well location determined therefrom.

1/2 cor. Quarter corners of the quarter section in which the test well was located were set during the survey previously described. However, the test well has been removed and the site abandoned, and a search for the corners was unsuccessful; the area is covered by dense, high marsh grass and mangrove swamp, and a traverse would be required to locate the corners. However, considering the manner in which these corners were established, it is believed that the ties shown on the map previously mentioned are equivalent in accuracy and authority to a recovery of the corners.

While this work of the Biscayne Engineering Co. leaves much to be desired in the way of coverage for land lines in the quadrangle, it is the only data discovered and gives some foundation for the reconstruction of section lines.

See Review Report T 8806

James E. Hundley
James E. Hundley, Photo. Aid

Edward H. Taylor
Edward H. Taylor, Eng. Aid

Charles H. Bishop
Charles H. Bishop, Photo. Aid

Approved and Forwarded:

Ross A. Gilmore
Ross A. Gilmore, Chief of Party

COMPILATION REPORT
TO ACCOMPANY
"GLADES" QUADRANGLE NO. T-8803
PROJECT PH-10(46)

26 AND 27 CONTROL AND RADIAL PLOT:

A special report prepared by M.M. Slavney, Photogrammetric Engineer, was submitted to the Washington Office separately on 29 May, 1947. Filed in Div of Photogrammetry - General Files

28. DELINEATION:

This map manuscript has been delineated according to the latest instructions for this project. Woodland areas have been outlined and symbolized according to instructions. Brush hammocks have been labeled "B", and mangrove sloughs have been labeled "Mg".

All but photograph No. 16334 of the 9-lens photographs used in delineating this quadrangle were of good scale and satisfactory for the delineation of the map manuscript.

29. SUPPLEMENTAL DATA:

A print of a section layout, "Map of Survey - showing Location of Test Well Section 29 Township 59 South, Range 39 East Dade County, Florida for Republic Oil Company," which agreed quite well with the original plats, was furnished by the Biscayne Engineering Company of Miami (see Field Inspectors note under "Public Land Lines").

The Official Map of Dade County was used as a guide in delineating the Dade-Monroe County line.

30. MEAN HIGH WATER LINE:

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

31. LOW WATER AND SHOAL LINES:

Shown according to field recovery notes.

32. DETAILS OFFSHORE FROM THE HIGH WATER LINE:

See field inspection report.

33. WHARVES AND SHORELINE STRUCTURES:

See field inspection report.

34. LANDMARKS AND AIDS TO NAVIGATION.

There are none.

35. HYDROGRAPHIC CONTROL:

None required.

36. LANDING FIELDS AND AERONAUTICAL AIDS:

There are none in this quadrangle.

37. BRIDGES:

None

38. SECTION CORNERS:

A special report on Public Land Lines is being submitted by William A. Rasure, Photogrammetric Engineer and incorporated with this report.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

No topographic quadrangle of this area was available for a comparison.

45. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with U.S. Coast and Geodetic Survey Nautical Charts Number 849 and 1249 bearing a print date of 27 October 1945 and 26 January, 1946 respectively. Very few changes were noted in the small area that could be compared.

Respectfully submitted,

Richard A. Reece

Richard A. Reece,
Engineering Draftsman

Approved and Forwarded:

George E. Morris, Jr.

George E. Morris, Jr.
Chief of Party.

38 PUBLIC LAND LINES:

Only one section corner was recovered within the limits of this quadrangle; it being located in the extreme northwestern part.

No General Land Office Plats were available.

All data and information furnished by the field party indicate that for the entire project, except for that portion covered by the Florida Geodetic Survey, public land line surveys have been accomplished by local engineering firms. Some of these surveys are in disagreement (reference, Field Inspection Report, Quadrangle No. T-8804, paragraph 21).

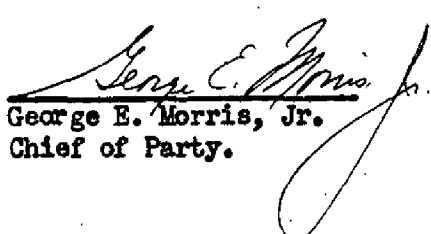
No attempt will be made to establish section lines on this or the remaining quadrangles in this project not covered by the Florida Geodetic Survey, unless further instructed by the Washington Office to do so. Such procedure has been decided upon because the local surveys are most likely unrecognized by the General Land Office and cover only a very minute portion of the project.

See Review Report T 8806

William A. Rasure

William A. Rasure
Photogrammetric Engineer

Approved and Forwarded:


George E. Morris, Jr.
Chief of Party.

FIELD EDIT REPORT

QUADRANGLE T-8803

"GLADES"

PROJECT PH-10 (46)

Field edit of this quadrangle was made by, John D. Weiler Photogrammetrist during November, 1947.

46. METHODS

In field editing the map manuscript all roads were traversed by truck. The shoreline area was edited by a small launch, keeping as close to the shore as possible. 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

The map manuscript was adequate and correct except for a few minor discrepancies.

All roads were reclassified according to Photogrammetry Instructions No.10 and amendment dated 24 October 1947.

The line between gladeland and scattered mangrove was checked in the field and appropriate notes shown on the field edit sheet.

A few areas of cultivated land have been shown in the northeast corner of the quadrangle for transfer to the map manuscript.

The Dade Monroe County line is unsurveyed along Barnes Sound, and the engineers for both counties professed to know little about its actual location. The notes made on the field edit sheet were determined by coordinating The Dade County Map with local inquiry. Although it is highly inadequate it seems to be the best interpretation that can be obtained.

For information regarding the status of The Everglades National Park see field edit report for quadrangle T-8808.

48. VERTICAL ACCURACY TEST

No vertical accuracy tests were specified for Project Ph-10 (46).

49. PUBLIC LAND LINES

Because of inadequate information, it is recommended that section lines be omitted from this quadrangle. See Special Report by William A. Rasure. See Review Report T-8806

Since Earl Jackson, Engineering Aid assisting in field edit was highly familiar with the area within the quadrangle, it was not reviewed by any other local resident.

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

Division of Photogrammetry
Review Report of
Topographic Map Manuscript T-8803

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

28. Detailing.--Many areas of mangrove and brush that were too small to be symbolized, were removed from the map manuscript.

The symbolization of spot elevations was changed to conform with paragraph 69 of Photogrammetric Instructions No. 17.

A 5 foot contour around a spoil bank was added at latitude $25^{\circ}22'$, longitude $80^{\circ}25'$.

30. Mean-High Water Line.--Several small mangrove islands were added to the map manuscript in the vicinity of Middle Key.

31. Low-Water and Shoal Lines.--Areas in Barnes Sound and Manatee Bay that were labelled "awash at MEW" were enclosed with an ~~approximate~~ low water line.

37. Recoverable Topographic Stations.--The name of the topographic station, "Quarry Az. Mk", was changed to "Quarry No. 3, 1935, on the map manuscript and the Form 524 to conform with the name stamped on the station marker.

The recovered section corner in T-585, R 38 E falls in the area that is unsurveyed by the General Land Office. This corner was evidently established by a local survey. It has been changed to topographic station, "Section Corner, 1947", on the map manuscript and the Form 524.

38. Section Lines.--See Review Report for T-8806.

40. Geographic Names.--Names were added to the map manuscript from the approved list of names submitted by the Geographic Names Section.

44. Comparison with Existing Topographic Surveys.--

T- 747	1:20,000	1859
T- 1154	1:40,000	1870
T- 4562	1:20,000	1930
T- 4577	1:20,000	1928
T- 5538	1:20,000	1935

These surveys are superseded in common area and detail by T-8803.

45. Comparison with Nautical Charts.--

Chart No. 849	1:40,000	1939	Corr. 1948
Chart No. 1249	1:80,000	1937	Corr. 1947

No major discrepancies were noted. The map manuscript has been partially applied to the nautical charts.

47. Vertical Accuracy Test.--See Field Edit Report.

48. Overlays.--An overlay was prepared indicating the marginal data, road classification and route numbers, road destinations and distances, boundaries, selected spot elevations and triangulation stations that are to be shown by the smooth draftsman.

Reviewed by:

Charles Theurer
C. Theurer
5-7-48

APPROVED BY:

S. V. Griffith
Chief, Review Section
Div. of Photogrammetry

K. T. Adams
Chief, Div. of Photogrammetry

Stephen L. Green
Chief, Nautical Chart Br.
Div. of Charts

C. K. Green
Chief, Div. of Coastal
Surveys

GEOGRAPHIC NAMES

Survey No. T-8803

GLADES,* 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	
*The original title assigned to this sheet should be changed, if it has not already been done. The former railway stop of Glades no longer exists in any way. The names report for this area recommended GLADES CANAL as title for this sheet. Official USGS list used 'Glades' at time of review									1
									2
									3
Florida ✓								USGB	4
Dade County ✓									5
Monroe County ✓									6
U.S. No. 1 ✓									7
State No. 905 ✓									8
									9
Barnes Sound ✓									10
Main Key ✓									11
Short Key ✓									12
Manatee Bay ✓									13
Flat Point ✓									14
Glades Canal ✓									15
Everglades National Park									16
Middle Key ✓									17
Narrow Point ✓									18
									19
									20
									21
									22
									23
									24
									25
									26
									27

Names underlined in red are approved. 5/5/48 L. Heck.

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8803

Record of Application to Charts

[illegible]

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.