

8623

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. Ph - 9(46) Office No. T-8623

LOCALITY

State Florida

General locality East Coast

Locality St. Lucie County

" Ten Mile Creek "

194 6-'49

CHIEF OF PARTY

R.A. Gilmore

LIBRARY & ARCHIVES

DATE

July 24 - 1949

B-1870-1 (1)

8623

DATA RECORD

T- 8623

Quadrangle (II): "TEN MILE CREEK"

Project No. (II): Ph-9 (46)

Field Office: Vero Beach, Florida Chief of Party: Lt. Comdr. Ross A. Gilmore

Compilation Office: Tampa, Fla. Chief of Party: Lt. Comdr. Ross A. Gilmore

Instructions dated (II III): 28 May 1947

Copy filed in *Project Report*
Descriptive
Report No. T- (VI) *Photogrammetry*

Completed survey received in office: 9-20-48

Reported to Nautical Chart Section: 9-27-48

Reviewed: 6 June '49

Applied to chart No.

Date:

Redrafting Completed:

Registered: 12 July '49

Published:

Compilation Scale: 1: 20,000

Published Scale: 1: 24,000

Scale Factor (III): None

Geographic Datum (III): N.A. 1927

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

Reference Station (III): BOUFFORD, 1934

Lat.: 27° 24' 41."949(1291.1m.) Long.: 80° 24' 15."735(432.2m)

Adjusted

Unadjusted

State Plane Coordinates (VI): Florida East Zone

X = 693,242.97 feet

Y = 1,119,228.95 feet

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
16375	4-27-46	11:23	1:20,000	Inshore
16376	"	11:24	"	"
16379	"	11:30	"	"
16380	"	11:31	"	"
16381	"	11:33	"	"

Tide from (III): Inshore quadrangle

Mean Range: --- Spring Range: ---

Camera: (Kind or source) U.S.C. & G.S. 9-Lens, 8 $\frac{1}{4}$ " focal length

Field Inspection by: Herschel G. Murphy
Robert B Hanevold
John D. Weiler

date: Aug. 7 ¹⁹⁴⁷ January 1948

Field Edit by: J.E. Handley

date: Jan. 1949

Date of Mean High-Water Line Location (III): None

Projection and Grids ruled by (III) T.L.J. (W.O.)

date: 23 Oct. 1947

" " " checked by: "

date: 23 Oct. 1947

Control plotted by: R. Dossett

date: 18 Nov. 1947

Control checked by: E.C. Andrews

date: 19 Nov. 1947

Radial Plot by: M.M. Slavney

date: 15 March 1948

Detailed by: C.H. Baldwin

date: March 1947-
June 1948

Reviewed in compilation office by: W.H. Shearouse

date: September 1948

Map manuscript

Elevations on ~~Field Edit Sheet~~

checked by: W.H. Shearouse

date: September 1948

STATISTICS (III)

Land Area (Sq. Statute Miles): 66.2

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

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

Number of Recoverable Topographic Stations established: 9

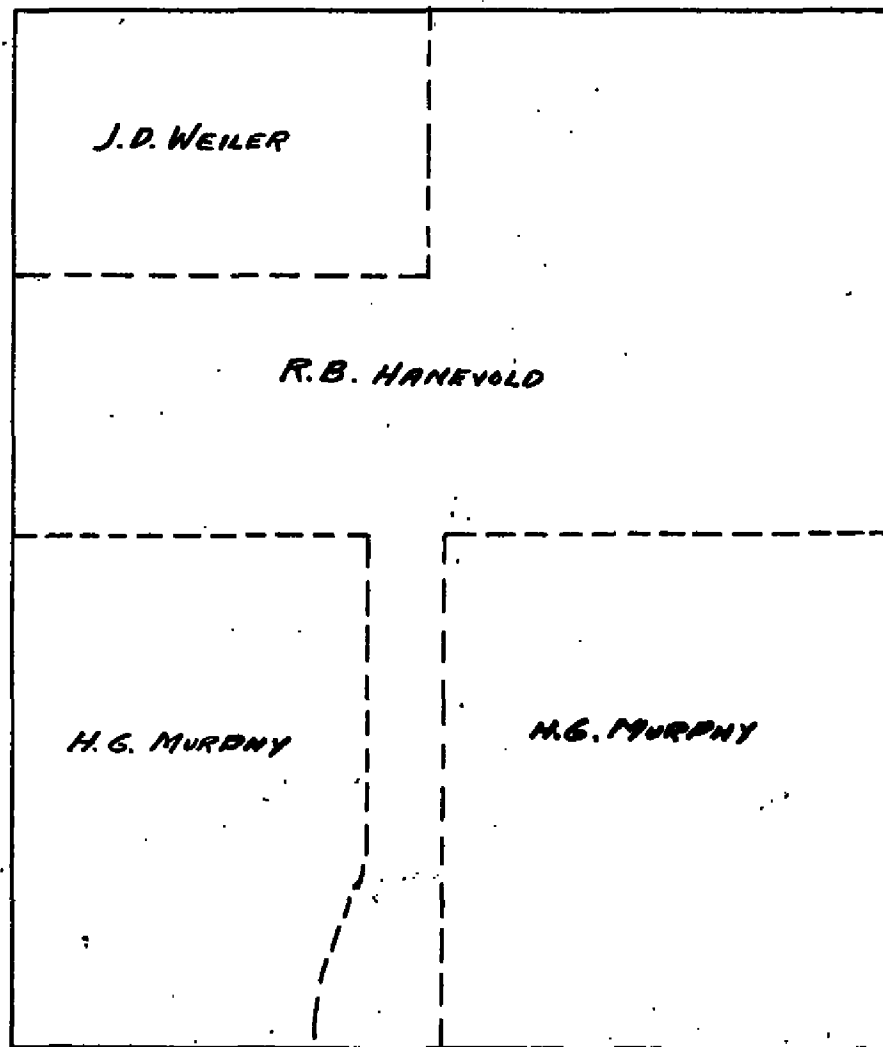
Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles: 48.0

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:



TOPOGRAPHY T8623

MAP T-8623

PROJECT NO. PH-9(46)

SCALE OF MAP 1:20,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ϕ -COORDINATE LONGITUDE OR λ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
*SW-2 1944	U88B	N.A. 1927	1,093,259.36 663,057.39	3,259.36 (6740.64) 3,057.39 (6942.61)		993.5 (2054.5) 931.9 (2116.1)	
*SW-6 1944	U88B	"	1,101,512.96 670,967.40	1,512.96 (8457.84) 967.40 (9032.60)		470.3 (2577.7) 294.9 (2753.1)	Outside grid limit
*SW-7 1944	"	"	1,104,780.43 674,597.02	4,780.43 (5219.57) 4,597.02 (5402.98)		1457.1 (3590.9) 1401.2 (1646.8)	"
*SW-8 1944	"	"	1,105,511.28 678,969.30	5,511.28 (4488.72) 8,969.30 (1030.70)		1679.8 (3568.2) 2733.8 (314.2)	"
SW-9 1944	"	"	1,108,124.34 671,649.98	8,124.34 (1875.66) 1,649.98 (8350.02)		2476.3 (571.7) 502.9 (2545.1)	
SW-10 1944	"	"	1,110,772.84 678,938.87	7,772.84 (9227.16) 8,938.87 (1061.13)		235.6 (2812.4) 2724.6 (323.4)	
MONUMENT "N" 1944	"	"	1,122,929.12 690,187.26	2,929.12 (7070.88) 187.26 (9812.74)		892.8 (2155.2) 57.1 (2990.9)	
MONUMENT "O" 1944	"	"	1,125,800.21 694,867.15	5,800.21 (4199.79) 4,867.15 (5132.85)		1767.9 (1280.1) 1483.5 (1564.5)	
MONUMENT "P" 1944	"	"	1,113,459.13 682,952.48	3,459.13 (6540.87) 2,952.48 (7047.52)		1054.3 (1993.7) 899.9 (2148.1)	
B.M.T-18, 1944	"	"	1,121,315.48 700,133.31	1,315.48 (8684.52) 133.31 (9866.69)		401.0 (2647.0) 40.6 (3007.4)	Also CPGS BM
B M V-18, 1944	"	"	1,115,408.49 679,013.74	5,408.49 (4591.51) 9,013.74 (986.26)		1648.5 (1399.5) 2747.4 (300.6)	"
N E 6 1944	"	"	1,148,131.76 694,869.30	8,131.76 (1868.24) 4,869.30 (5130.70)		2478.6 (569.4) 1484.2 (1563.8)	"

1 FT. = 3048006 METER

COMPUTED BY: R. Dossett

DATE: 3 Sept. 1947

CHECKED BY: W.H. Shearouse

DATE: 3 Sept. 1947

M-2388-12

MAP T-8623

PROJECT NO. PR-9(46)

SCALE OF MAP 1:20,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR U-COORDINATE LONGITUDE OR X-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
N E 7 1944	USED	N.A. 1927	1,145,542.00	5,542.00	(4458.00)		1689.2	(1358.8)	
			692,130.34	2,130.34	(7869.66)		649.3	(2398.7)	
N E 8 1944	"	"	1,142,827.79	2,827.79	(7172.21)		861.9	(2186.1)	
			685,967.79	5,967.79	(4032.21)		1819.0	(1229.0)	
N E 9 1944	"	"	1,140,229.27	229.27	(9770.73)		69.9	(2978.1)	
<i>Destroyed</i>			691,981.93	1,981.93	(8018.07)		604.1	(2443.9)	
MONUMENT "B" 1944	"	"	1,136,727.79	6,727.79	(3272.21)		2050.6	(997.4)	
			683,054.20	3,054.20	(6945.80)		930.9	(2117.1)	
MONUMENT "E" 1944	"	"	1,129,905.34	9,905.34	(94.66)		3019.2	(28.8)	
			680,670.86	670.86	(9329.14)		204.5	(2843.5)	
MONUMENT "F" 1944	"	"	1,132,138.88	2,138.88	(7861.12)		651.9	(2396.1)	
			685,741.77	5,741.77	(4258.23)		1750.1	(1297.9)	
MONUMENT "G" 1944	"	"	1,134,628.20	4,628.20	(5371.80)		1410.7	(1637.3)	
			690,091.25	91.25	(9908.75)		27.8	(3020.2)	
MONUMENT "H" 1944	"	"	1,122,686.14	2,686.14	(7313.86)		818.7	(2229.3)	
			678,428.04	8,428.04	(1571.96)		2568.9	(479.1)	
MONUMENT "J" 1944	"	"	1,127,724.63	7,724.63	(2275.37)		2354.5	(693.5)	
			687,889.85	7,889.85	(2110.15)		2404.8	(643.2)	
MONUMENT "K" 1944	"	"	1,115,648.20	5,648.20	(4351.80)		1721.6	(1326.4)	
			676,032.15	6,032.15	(3967.85)		1838.6	(1209.4)	
MONUMENT "L" 1944	"	"	1,117,954.96	7,954.96	(2045.04)		2424.7	(623.3)	
			680,767.53	767.53	(9232.47)		233.9	(2814.1)	
MONUMENT "M" 1944	"	"	1,120,433.32	433.32	(9566.68)		132.1	(2915.9)	
			685,564.02	5,564.02	(4435.98)		1695.9	(1352.1)	

1 FT. = 3048006 METER

COMPUTED BY: R. Dossett

DATE 2 Sept. 1947

CHECKED BY: W.H. Shearouse

DATE 3 Sept. 1947

M-2388-12

[illegible]

11 FT. - 3046006 METER
R. Dossett
COMPUTED BY:

DATE **3 Sept. 1947**

CHECKED BY: **W.H. Shearouse**

DATE 3 Sept. 1947

M-2388-12

FIELD INSPECTION REPORT

TO ACCOMPANY
"TEN MILE CREEK"
~~WHITE CITY, FLA~~

QUADRANGLE T-8623

N2722.5 - W8022.5/7.5

PROJECT Ph-9 (46)

15 January 1948

1. DESCRIPTION OF THE AREA

This quadrangle lies in the central part of St. Lucie Co., Florida, just west of the city of Fort Pierce.

The topography is flat with a myriad of intermittent ponds dotting the area.

The vegetation consists of four classes; grove, scattered pine and palmetto, cultivated land, and the gladeland area in the northwest corner of the quadrangle. It should be noted that this latter area was entirely inundated at the time of the original field work, greatly impeding normal progress.

This is entirely an inshore quadrangle, and items affecting the shoreline or offshore features are inapplicable.

2. COMPLETENESS OF FIELD INSPECTION

Field inspection was done, for the most part, during the planetable contouring. It is believed to be adequate and complete, except where changes were being made at the time of the original field work. The field editor should reclassify the west end of state Highway 68 (Orange Ave.) which is being improved. He should also pay particular attention to spoil banks which are being leveled, and new ditches being constructed in numerous portions of the quadrangle. *Accomplished by F.E.*

The field inspection was shown on the following nine-lens photographs: 16375, 16376, 16379 and 16380.

3. INTERPRETATION OF THE PHOTOGRAPHS

Most features of the photographs can be readily interpreted by the compiler. The one item that should be closely watched is palmetto land that should be shown as brush. Except for a distinctive gray mottling effect, it might appear as open land if casually viewed.

4. HORIZONTAL CONTROL

All known horizontal control, consisting of both U.S.C. & G.S. triangulation and U.S.E.D. traversing was searched for.

The one U.S.C. & G.S. station within the quadrangle, Boufford, 1934 was recovered and identified.

Of the 50 Stations of the U.S.E.D. traverse system searched for, 32 were recovered (17 identified) and 18 either lost or destroyed. It should be noted, however, that all stations recovered by J.D. Weiler were previously reported lost by H.G. Murphy, possibly a few more stations reported as lost or destroyed by Mr. Murphy could be found by a little more thorough search. Since a plethora of control was recovered in the area it did not seem economically feasible to recheck all of Mr. Murphy's work.

5. VERTICAL CONTROL

Elevations were established throughout the quadrangle by Wye leveling between U.S.C. & G.S. Bench Marks. These spot elevations were placed at identifiable photographic points and designated with the quadrangle letters "W.C." In all, 55 spot elevations were established. The greatest error of closure encountered was 0.23 ft. For this reason, no adjustments were considered necessary. All level notes were carefully checked.

Bench Mark recovery and leveling was done by H.G. Murphy, Engineering Aid.

6. CONTOURS AND DRAINAGE

Contouring was done by planetable methods on nine lens photographs as follows; 16375, 16376, 16379, 16380. Because of the flat terrain very little contour expression was possible. A great amount of the work consisted of spotting elevations in ditches and on spoil banks. All ditch elevations were taken on the bottom rather than on the water surface, because of the abnormal precipitation conditions at Florida's sub-tropical latitude.

Along spoil banks, and ditches, contour turns have been indicated because of scale limitations, and to avoid obliterating photographic details.

Contouring was done by three different sub-party chiefs as shown on the back of Form T-1. (Page 3).

7. MEAN HIGH-WATER LINE

Not applicable.

8. LOW WATER LINE

Not applicable.

9. WHARVES AND SHORELINE STRUCTURES

Not applicable.

10. DETAILS OFFSHORE FROM HIGH-WATER LINE

Not applicable.

Not applicable.

Not applicable.

There are three small private landing fields within the quadrangle. All have sod runways, and are used by dusting companies. They would serve as emergency runways for light planes only; therefore no limits have been shown.

There are no Aeronautical Aids within the quadrangle.

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

No bridges or culverts have been indicated within the limits of this quadrangle. The field editor should check this item (reference Photogrammetry Instructions No.17, paragraph 49, dated 15 september 1947).

All buildings to be shown are circled on the photograph in red ink; or in the case of new buildings, blacked in from planetable measurements. All deletions have been shown in green ink.

Precinct lines have been constructed approximately from the legal descriptions merely as a guide to the compiler in the delineation of these lines after section lines have been established. For legal descriptions of boundaries, see Special Report of Boundaries, Project Ph-9 (46) submitted by Joseph K. Wilson, Cartographer (Photogrammetry). *In 1949*

Precincts 1, 4, 5, 6, 7, and 8 fall partially within the quadrangle.

Geographic names is the subject of a Special Report for the entire project, which was submitted to the Washington Office on 8 January 1948.

Filed in Geographic Name Section, Div. of Charts.

Of the 22 section corners recovered within the quadrangle and identified on the photographs, ~~and~~ only 7 are monumented. Every effort was made to ascertain that these were actual section corners and it is believed that they are correct. Forms 524 are submitted for monumented corners.

The unmonumented corners fall mainly in canals. The positions of these corners were determined by local inquiry and consultation with local surveyors. They are shown as a guide for the compilation. Pricking cards are submitted.

20. JUNCTIONS WITH ADJOINING QUADRANGLES

A junction was made with quadrangles T-8843 to the North, and T-8845 to the East. There are no junctioning quadrangles or other maps to the west and to the south;

21. SPECIAL NOTE

The quadrangle was done by three different sub party chiefs, H.G. Murphy, R.B. Hanevold, and J.D. Weiler; The quadrangle was received by the latter when it was supposedly completed, except for a small amount of contouring. Subsequent investigation however showed a great number of discrepancies, and inadequacies in interior inspection, horizontal control recovery, and section corner recovery. An attempt has been made to clear up these items; however, some discrepancies may have been overlooked and the compiler should exercise every opportunity to call discrepancies to the attention of the field editor.

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

REPORT ON MAIN RADIAL PLOT
OF PROJECT PH-9(46) - QUADRANGLES: T-8623
T-8841, T-8842, T-8843, T-8844, T-8845,
T-8846, T-8847 and T-8848.

This report is on the Main Radial Plot for Ph-9(46). This project consists of nine quadrangles: T-8623, T-8841, T-8842, T-8843, T-8844, T-8845, T-8846, T-8847, and T-8848.

Project Ph-9(46) joins quadrangles T-8411 and T-8412 of Project C.S. 312 on the south, and quadrangles T-8887 and T-8888 of Ph-19 (47) on the north.

The mapping scale of the quadrangles in Ph-9 (46) is 1:20,000. All quadrangles are 7' 30" in latitude and longitude. The 10,000 foot intervals of the Florida East Mercator Grid are on the map-manuscripts.

The projections for all the quadrangles in this project were received on 27 October, 1947.

The nine-lens photographs used in this main radial plot were printed on unmounted, acetate impregnated paper. Corrections for the effect of paper distortion and printing errors were made utilizing the master photograph templet (16445) furnished in December 1947 by the Washington Office in accordance with Photogrammetry Instructions No. 11 of 28 February, 1947.

Control was plotted and checked on the map manuscripts using compass and meter bar. All the substitute stations are less than 1000 feet from the instrument station and were plotted and checked graphically. The control to be used in the main radial plot was transferred to the base grid by matching the map manuscript with the base grid.

Control and pass points were pricked and circled on the photographs using the symbols assigned by Photogrammetry Instructions No. 12 of 17 March, 1947. Control was pricked to the visual limit of the photographs. A circle of 14-inch radius on each of the photographs provided a guide for pass point limitation in areas of considerable photograph overlap.

Azimuth and cross azimuths were established by the stereoscope and radial liner method.

Pass points were selected with sufficient frequency to give the compilers generous control for "cutting in" detail points.

The sketch which is a part of this report, shows the distribution of control and the photographs used in this main radial plot. It may be noted that in the sketch, control and photograph centers are close to their relative positions.

Discussion of the main radial plot follows:

(A) CONTROL:

Control used in this radial plot consisted of sixty-one Coast and Geodetic Survey Traverse or Triangulation Stations or substitute stations thereof; twenty-five U.S. Engineers traverse stations or substitute stations thereof; one Florida Geodetic Survey traverse station; one Fort Pierce Port District Survey Station; two traverse stations established by the field party on the "Owen-Tiger Traverse"; and one station established by the field party on the "Fellsmere-Sebastian" traverse.

One control station, Monument H, 1944 'U.S.E.D.) for which a pricking card was submitted was not used in the radial plot because the accuracy of identification is labelled "Doubtful" and there is a generous amount of "Positively" identified control in the area.

Several of the horizontal control stations recovered by the field party ^{have} been established by the Port District Engineers of Fort Pierce. Of these stations (NORTH, 1930, THIRTY-FOUR, NORTH BEACH, THIRTY-NINE, and WEST), substitute stations were located and identified for NORTH 1930, and THIRTY-FOUR by the field party. THIRTY-NINE was used as the initial for substitute station PIERCE 1934 which is a Coast and Geodetic Survey triangulation station. A letter to the Washington Office on 19 December 1947 requesting the position of NORTH 1930 and THIRTY-NINE elicited a reply on 31 December 1947 that contained the positions of all five stations and the caution that the closures in computation "indicate low third order accuracy." Because of this and a plethora of higher order work in the vicinity, SUBSTITUTE STATION THIRTY-FOUR was not used in the radial plot. SUBSTITUTE STATION NORTH 1930 was used and gave an intersection 0.2mm (4 meters) west of the plotted position. No trouble was encountered with SUBSTITUTE STATION PIERCE 1934.

Three control stations on T-8845 (TAYLOR 1930, SUBSTITUTE STATION DRAIN 2 and INDIAN 1934) were classified as "Doubtful" in identification. INDIAN 1934 and SUBSTITUTE POINT DRAIN 2 were held on the plotted positions whereas TAYLOR 1930 gave an intersection 0.3 mm (6 meters) north of the plotted position.

Three triangulation stations (CUT 1934 on T-8841, ALTA, 1934 on T-8845, and SERPENT 1930 on T-8847) are classified as "Lost" or "Destroyed". Reference marks were identified and used as substitute stations for CUT 1934 and SERPENT 1930; ALTA 1934 was recovered "in poor condition" and identified, and later destroyed.

The field notes, computations, and report for the "Owen-Tiger Traverse" on T-8848 are being forwarded under separate cover. Stations "OT-1, 1947" and "OT-2, 1947" were located on this traverse. The field notes, computations, and report on the "Fellamere-Sebastian Traverse" in quadrangles T-8887 and T-8888 are being retained in this office for use on T-8887 and T-8888 of Ph-19.

Control was generously provided for the main radial plot and selection of substitute points was good.

(B) PHOTOGRAPHS:

The photograph coverage for the radial plot of Ph-9 was generally excellent. Only on the western limits of the project, where some pass points are located by "Two Cut" intersections, would some additional photographs have been desirable. On T-8845, photograph 16392 was not used in the radial plot because there was a plethora of photograph coverage in the area.

Nine-lens photographs used in this radial plot were:

16360-16391 inclusive
16393-16397 inclusive
16399-16409 inclusive

(C) CLOSURE AND ADJUSTMENT:

This main radial plot, comprising all of Ph-9(46), joins T-8411 of CS-312 on the south where excellent junction was made. This plot, as shown in the accompanying sketch, joins T-8887 and T-8888 of Ph-19 (47). Pass points and photograph centers were located far enough into T-8887 and T-8888 to insure a good junction.

It is believed that all parts of this main radial plot fall within the prescribed limits of accuracy.

(E) GENERAL:

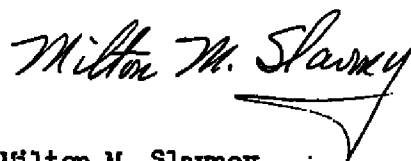
Symbols for control stations, pass points, and photograph centers are on the map manuscript in accordance with Photogrammetry Instructions No. 12 of 17 March, 1947.

The dates of completion and review of the radial plot for the various quadrangles are:

T-8848 on 8 January, 1948
T-8847 and T-8846 on 12 January, 1948
T-8845 and T-8623 on 15 March, 1948
T-8844, T-8843, T-8842, and T-8841 on 24 March 1948.

After review of the main radial plot the map manuscripts were released to the compilers.

Respectfully submitted,

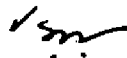


Milton M. Slavney
Photogrammetric Engineer

Approved and Forwarded:

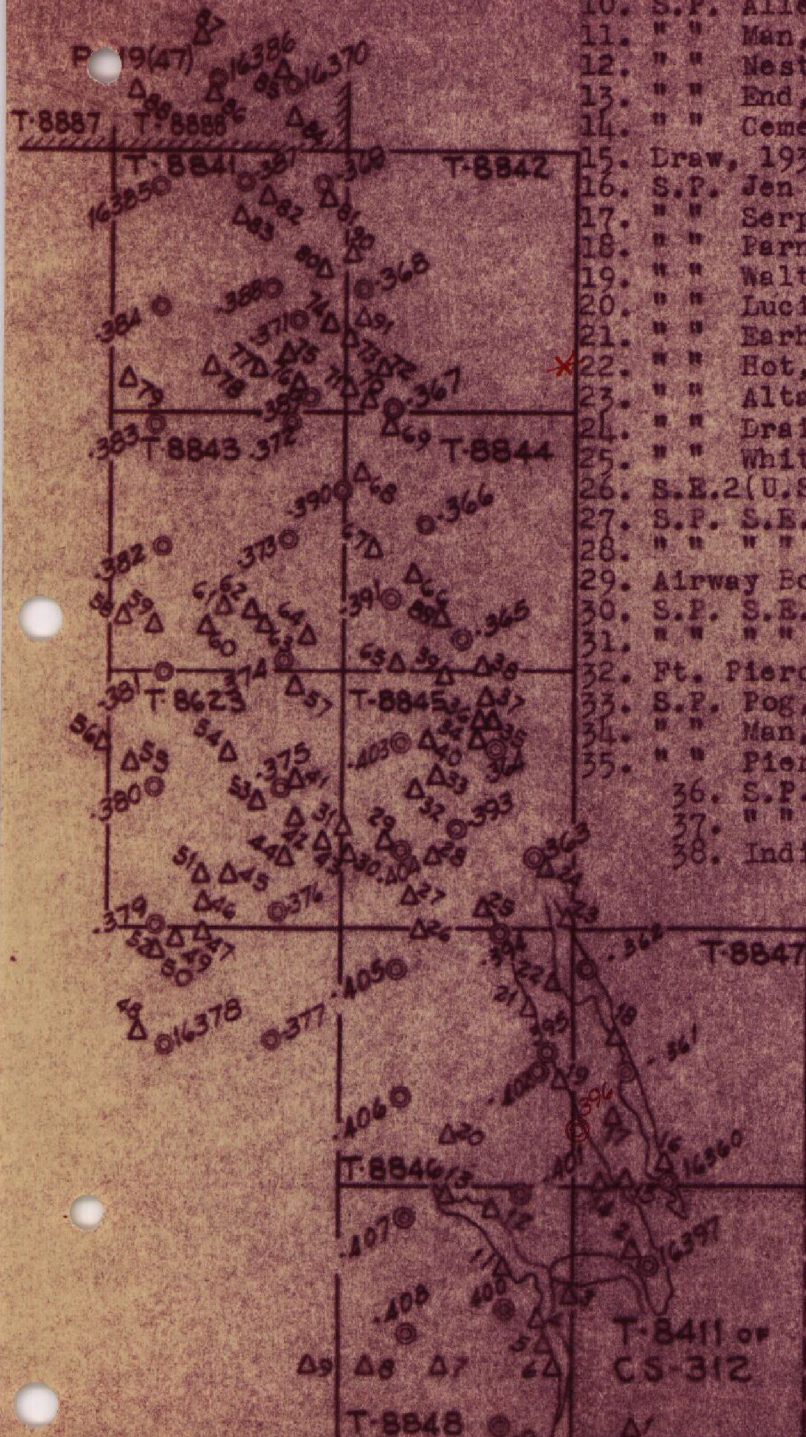


Ross A. Gilmore
Lieut. Comdr. USC&GS
Chief of Party.



SKETCH TO ACCOMPANY REPORT ON MAIN RADIAL PLOT FOR PH-9(46)

△ CONTROL STATION
© NINE LENS PHOTOGRAPH



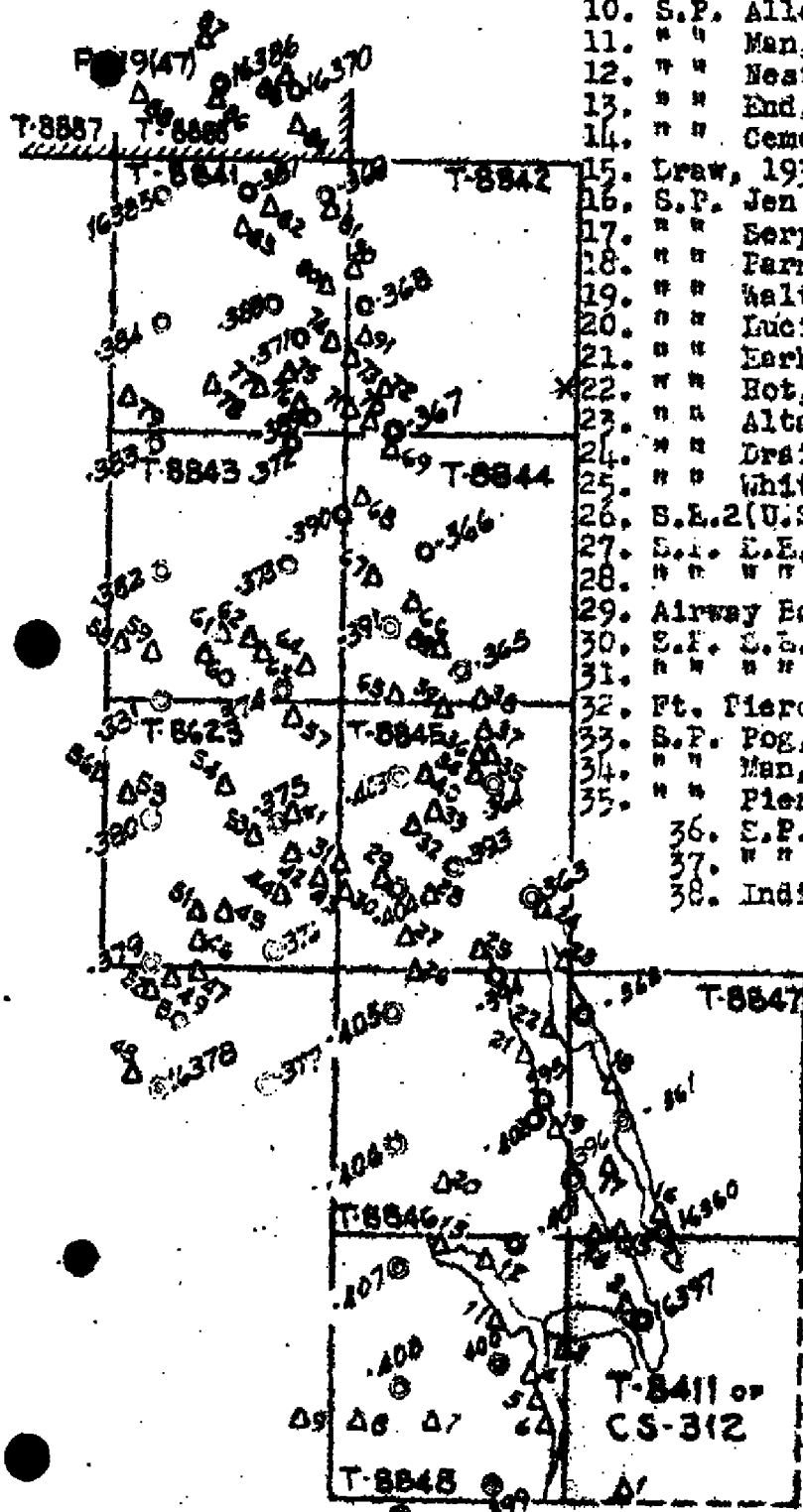
CONTROL INDEX

1. S.P. Jay, 1934
2. Pisgah, 1883
3. Stuart W. T., 1930
4. S.P. Finney, 1930
5. " " Palm, 1930
6. " " Canal, 1930
7. " " Owen, 1934
8. O.T. Trav. #1, 1947
9. " " " #2, 1947
10. S.P. Allen, 1934
11. " " Man, 1930
12. " " Nest, 1930
13. " " End, 1930
14. " " Cemetery, 1930
15. Draw, 1930
16. S.P. Jen 2, 1934
17. " " Serpent, 1930
18. " " Parnell, 1934
19. " " Walton, 1930
20. " " Lucie, 1934
21. " " Earheart, 1930
22. " " Hot, 1930
23. " " Alta, 1934
24. " " Drain 2, 1934
25. " " White, 1930
26. S.E. 2 (U.S.E.), 1944
27. S.P. S.E. 4 (U.S.E.)
28. " " " " 5 " " "
29. Airway Ecn. 11
30. S.P. S.E. 7 (U.S.E.)
31. " " " " 8 " " "
32. Ft. Pierce W.T. 1930
33. S.P. Pog, 1930
34. " " Man, 1930
35. " " Pierce, 1934
36. S.P. 34 (P.D.S.)
37. " " North, 1930
38. Indian, 1934
39. S.P. Hart, 1930
40. Taylor, 1930
41. D18 (U.S.E.D.) 1944
42. S.P. Mon. "O" (U.S.E.)
43. B.M. T-18, 1944
44. Boufford, 1934
45. E-13 (U.S.E.) 1944
46. Plot. Pt. SW-10 (U.S.E.) 1944
47. S.W. -8 (U.S.E.) 1944
48. " " 2 " " " "
49. " " 7 " " " "
50. " " 6 " " " "
51. E.M. V-18, 1944
52. D-46A (U.S.E.) 1944
53. Plot. Pt. Mon. "J"
54. S.P. Mon. B, 1944
55. Plot. Pt. NW-9, 1944
56. E-40, 1944
57. NE-6 (U.S.E.) 1944
58. VB-6A, 1945
59. S.P. VB-6, 1945
60. " " VB-5, 1945
61. S.P. Indrio, 1934
62. Plot. Pt. NE-1 (U.S.E.) 1944
63. NE-3 (U.S.E.) 1944
64. S.P. NE-4 (U.S.E.)
65. " " Ridge 2, 1882
66. " " Hot, 1930
67. " " Palmetto, 1860
68. " " Crawford 2, 1882
69. " " Road, 1930
70. " " Bart, 1930
71. " " Scorpion, 1882
72. S.P. Rio, 1934
73. S.Pts. PRM-BP and PRM-BVV (U.S.E.)
74. S.P. May, 1881
75. " " VB-1, 1945
76. Vero Beach W. T., 1945
77. " " U.S.N.A.S. Stack 1945
78. AV-6 (Fla. O.S.), 1945
79. Vero, 1934
80. Ruth, 1930
81. Grub, 1934
82. Hole in the Wall, RM2, 1881
83. Cut, R.M. 1, 1934
84. S.P. Last 2, 1934
85. " " Holt, 1934
86. " " Duck Pt. 2, 1930
87. " " Sebastian 2, 1907
88. Traverse Pt. 4, 1948
89. S.P. Fin, 1930
90. " " Bend, 1930
91. " " Clerckson, 1934

* Probably Top, 1930 - sec 66

CONTROL INDEX

Δ CONTROL STATION
● NINE LENY PHOTOGRAPH



1. S.P. Jay, 1934
2. Pisgah, 1883
3. Stuart W. T., 1930
4. S.P. Finney, 1930
5. " " Palm, 1930
6. " " Canal, 1930
7. " " Owen, 1934
8. O.T. Trav.#1, 1947
9. " " #2, 1947
10. S.P. Allen, 1934
11. " " Man, 1930
12. " " Nest, 1930
13. " " End, 1930
14. " " Cemetery, 1930
15. Draw, 1930
16. S.P. Jen 2, 1934
17. " " Serpent, 1930
18. " " Farnell, 1934
19. " " Walton, 1930
20. " " Lucie, 1934
21. " " Earheart, 1930
22. " " Hot, 1930
23. " " Alta, 1934
24. " " Drain2, 1934
25. " " White, 1930
26. S.E.2(U.S.E.), 1944
27. E.L. E.E. 4(U.S.E.)
28. " " w " 5 " " "
29. Airway Bon. 11
30. S.F. S.E. 7(U.S.E.)
31. " " " " 8 " " "
32. Ft. Pierce W.T.1930
33. S.P. Pog, 1930
34. " " Man, 1930
35. " " Pierce, 1934
36. S.P.34(P.D.S.)
37. " " North, 1930
38. Indian, 1934
39. S.P. Hart, 1930
40. Taylor, 1930
41. D18(U.S.E.E.)1944
42. S.P.Won."O"(U.S.E)
43. E.L. C-18, 1944
44. Boufford, 1934
45. E-13(U.S.E.)1944
46. Plot. Pt. SW-10
(U.S.E.)1944
47. S.W.-8(U.S.E.)1944
48. " " 2 " " "
49. " " 7 " " "
50. " " 6 " " "
51. E.L. V-18, 1944
52. L-46A(U.S.E.)1944
53. Plot. Pt. Mon."J"
54. S.P. Mon. B, 1944
55. Plot. Pt. NW-9, 1944
56. E-40, 1944
57. NE-6(U.S.E.) 1944
58. VB-6A, 1945
59. S.P. VB-6, 1945
60. " " VB-5, 1945
61. S.P. Indrio, 1934
62. Plot. Pt. NE-1
(U.S.E.)1944
63. NE-3(U.S.E.)1944
64. S.P. NE-4(U.S.E.)
65. " " Ridge 2, 1882
66. " " Hot, 1930
67. " " Palmetto, 1860
68. " " Crawford2, 1882
69. " " Road, 1930
70. " " Bart, 1930
71. " " Scorpion, 1882
72. S.P. Rio, 1934
73. S.Pts. PRM-BP and
PRM-BVV(U.S.E.)
74. S.P. May, 1881
75. " " VB-1, 1945
76. Vero Beach W. T., 1945
77. " " U.S.N.A.S. Stack
1945
78. AV-6(Fla.C.S.), 1945
79. Vero, 1934
80. Ruth, 1930
81. Grub, 1934
82. Hole in the Wall, RM2, 1881
83. Out, R.M.1, 1934
84. S.P. Last 2, 1934
85. " " Holt, 1934
86. " " Luck Pt. 2, 1930
87. " " Sebastian 2, 1907
88. Traverse Pt. 4, 1948
89. S.P. Pin, 1930
90. " " Pond, 1930
91. " " Clarkson, 1934
- T-8847
T-8411 or
CS-312

* Probabl. Top. 1930 - Dec 66

COMPILATION REPORT
TO ACCOMPANY
TEN MILE CREEK QUADRANGLE T-8623

26 AND 27. CONTROL AND RADIAL PLOT:

A special report was prepared and submitted by Milton M. Slavney, Photogrammetric Engineer, on 17 May 1948. ~~See page 5 of the report.~~

See pages immediately preceding this.

28. DELINEATION:

The nine-lens photographs used in delineating this quadrangle were of fair to good scale.

The field inspection was poor. A number of roads were left unclassified and the vegetation was very sparsely covered. Numerous houses were not recovered and the field photographs did not junction too well.

The map manuscript has been delineated as completely as possible. Reference item 21 of Field Inspection Report.

29. SUPPLEMENTAL DATA:

None

ITEMS 30 THRU 35:

Not applicable. Inshore quadrangle

36. LANDING FIELDS AND AERONAUTICAL AIDS:

There are no aeronautical aids within this quadrangle. See field inspection report item No. 13.

37. POLITICAL BOUNDARIES:

Precincts 1,4,5,6,7,8 and 9 fall partially within this quadrangle. These precinct lines follow either roads, ditches or section lines and have been shown accordingly.

A discrepancy section line ozalid print has been made for use of the field editor in investigating disagreements between the General Land Office plats and the recovered corners. Section lines will be inked on the map manuscript after field edit.

38. GEOGRAPHIC NAMES:

All geographic names furnished by the Washington Office have been applied to the map manuscript.

39. TOPOGRAPHIC STATIONS:

Nine topographic stations, consisting of eight monumented section corners and one azimuth mark, were established by radial plot methods. Forms 524 describing these stations are being submitted.

40. CONTOURS:

The contours and spot elevations on the field photographs were inadequate for complete delineation. Several contours and their turning points in ditches and on spoil banks were omitted. Several ditches and spoil banks were not contoured at all. All discrepancies have been noted on the discrepancy overlay.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLE:

None available for comparison.

45. COMPARISON WITH NAUTICAL CHARTS:

Not applicable.

Respectfully submitted,



Charles H. Bladwin
Photogrammetric Aid

Approved and Forwarded:



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

FIELD EDIT REPORT

QUADRANGLE T-8623

PROJECT PH-9 (46)

The field edit of this quadrangle was accomplished in accordance with Field Edit Instructions dated 24 August 1945, and Supplemental 1 dated 4 February 1946. Actual field work was started 11 January 1949 and completed 24 January 1949.

46. METHODS

Field edit was accomplished by traversing, via truck, all passable roads; walking to other areas in which the reviewer requested information or for a general check on the adequacy of the map compilation.

Planetable and tape methods were used to locate corrections and additions not shown on the photographs. On the field edit sheet, red ink was used to show corrections and additions; green ink for deletions. Black ink was used for contours on the photographs; other corrections, additions, and deletions were inadvertently shown in red ink. However, the red ink used on the photographs is a distinctive carmine red and the field editor's work has been initialed "FE" in black ink.

The reviewer's questions are answered on the discrepancy print whenever possible. Other work was shown on the photographs or field edit sheet. Because of the numerous deletions, additions, and corrections that were made throughout the entire area, it is believed that the compiler will have to examine each photograph with care in order not to overlook any correction.

47. ADEQUACY OF COMPILATION

It is believed that the map compilation will be adequate with the corrections shown by the field editor.

48. ACCURACY TESTS

No accuracy tests were required for this quadrangle. However, it is believed that the map does comply with standard horizontal and vertical accuracy specifications. Information concerning the two nearest map accuracy tests was not available.

49. TOPOGRAPHIC EXPRESSION

The topographic expression of the quadrangle is considered adequate.

50. SECTION CORNERS AND LINES

No additional corners were found. Form 524 is submitted for
32133 , T34 & 35S, R39E.

51. HORIZONTAL CONTROL RECOVERY NOTES

Form 526 is submitted for D-24 (U.S.M.D.) 1944.

52. EXAMINATION OF PROOF COPY

It is believed that Mr. Frank Englar, registered land surveyor in Fort Pierce, is best qualified to examine a proof copy of this quadrangle.

Submitted
14 February 1949

James E. Hundley
James E. Hundley
Cartographer (Photo)

Approved and forwarded
14 February 1949

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

GEOGRAPHIC NAMES

Survey No. T-8623

7 $\frac{1}{2}$ ' quad., Fla.
Name on Survey

	A	B	C	D	E	F	G	H	K	
<u>Florida</u>										1
St. Lucie County										2
Florida East Coast Railway										3
State No. 70										4
State No. 609										5
<u>State No 68</u>										6
" " " 1712										7
Ten Mile Creek										8
										9
										10
										11
										12
AS to a name for this quadrangle, the report by Wilson recommends										13
WHITE CITY NW after stating that there "is no community or settlement										14
in the area from which a name can be taken was verified by this investi-										15
gation."										16
										17
He also considers TEN MILE CREEK as acceptable, although a considerable										18
portion of this feature is off the limits of this quadrangle. He looked										19
into the question of the Ideal Holding Company Farm, but did not reco-										20
mend it, since it is a business venture and not necessarily permanent										21
in that name.										22
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Names underlined in red are
approved. 6-2-49 L. Heck

GFI

Division of Photogrammetry
Review Report of
Topographic Map Manuscript T-8623

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

28. Detailing

Areas marked "Fls" i.e. Floods have been reclassified, during review, by analogy to similar areas classified by the field parties.

43. Comparisons with Previous Surveys

There are no previous surveys in this area for comparison.

48. Accuracy

This map manuscript complies with national map accuracy standards.

49. Overlay

An overlay has been prepared showing road classifications, control, etc. This map will be edited and published by the U.S. Geological Survey.

Reviewed by:

Jack Rihn
Jack Rihn, Cartographer
6 June 1949

Approved by:

A. V. Griffith
Chief, Review Section K.H.M.

H. Edmundson
Chief, Nautical Chart Branch
Division of Charts

K.T. Adams
Chief, Div. of Photogrammetry

W.M. Scarfe
Chief, Div. of Coastal Surveys 142