

5464

U. S. COAST & GEODETIC SURVEY
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Form 504
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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Air Photo ☒
Topographic ☒
~~Hydrographic~~ ☐ Sheet No. T-5464

State North Carolina

LOCALITY

Pasquotank River

Lower Part

Photographs taken July 9, 1937

1938

CHIEF OF PARTY

S. B. Grenell

U. S. GOVERNMENT PRINTING OFFICE: 1934

5464

Applied to chart 829 Feb. 14, 1938 HMC.

" " " 831 Aug. " G.H.S. via bp. 31338 (374)
Applied to Chk 1228 before review thru Sp. 31338 - inspected after review and
no error needed for Chk 1228 - by H.F.S. 1/30/43

Applied to Chart 1228 July 1949 Edh.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. D

T5464

REGISTER NO. T-5464

State North Carolina

General locality Pasquotank River

Locality Camden Pt. to Brickhouse Pt.

Scale 1:20,000 true Date of survey Photos Summer, 19 37

Vessel Air Photographic Survey Party

Chief of party S. B. Grenell

Surveyed by 9-lens air photographs

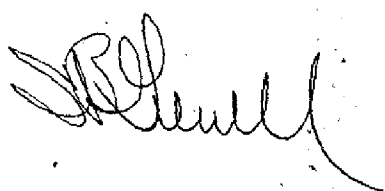
Inked by S. B. Grenell

Heights in feet above ----- to ground to tops of trees

Contour, Approximate contour, Form line interval ----- feet

Instructions dated August 20, 19 37

Remarks: Compiled at Norfolk, Va., Nov. 1937 - Jan. 1938



SHEET NO. T - 5464

PHOTO NO. 1760

TO PHOTO NO. 1766

ROUGH RADIAL PLOT S. B. Grenell

SCALE FACTOR 1.00 (1:20,000) S. B. G.

SCALE FACTOR CHECKED G. C. Mast

PROJECTION Washington Office

PROJECTION CHECKED S. B. G.

CONTROL PLOTTED S. B. G.

CONTROL CHECKED G. C. M.

TOPOGRAPHY TRANSFERRED NONE

TOPOGRAPHY CHECKED

SMOOTH RADIAL LINE PLOT S. B. G. - G. C. M.

RADIAL LINE PLOT CHECKED S. B. G.

DETAIL INKED S. B. Grenell

AREA DETAIL INKED 59.5 sq. statute miles

LENGTH OF SHORELINE OVER 200m 51.4 ~~sq.~~ statute miles

LENGTH OF SHORELINE UNDER 200m 10.9 statute miles

GENERAL LOCATION Pasquotank River, North Carolina

LOCATION Camden Pt. to Brickhouse Pt.

DATUM STATION TOXEY, 1931

Latitude 36-14-15.538 (478.9)

Longitude 76-07-53.290 (1330.7)

DATUM N. A. 1927

(adjusted)

*Details on T 5464
are of the date of the photographs,
July 9 1937, except for the foot area
around Camden Point which was brought
forward from T 6367 and T 6368 1935.*

S. B. Grenell

SHEET NO. _____

TO PHOTO NO. _____

PHOTO NO. _____

ROUGH RADIAL PLOT

SCALE FACTOR

SCALE FACTOR CHECKED

PROJECTION

PROJECTION CHECKED

CONTROL PLOTTED

CONTROL CHECKED

TOPOGRAPHY TRANSFERRED

TOPOGRAPHY CHECKED

SMOOTH RADIAL LINE PLOT

RADIAL LINE PLOT CHECKED

DETAIL INKED

AREA DETAIL INKED

ad. statute miles

ad. statute miles

LENGTH OF SHORELINE OVER 200m

ad. statute miles

LENGTH OF SHORELINE UNDER 200m

GENERAL LOCATION

LOCATION

Latitude

Longitude

DATUM STATION

DATUM

REPORT OF MAP DRAWING

T-5464

RADIAL LINE PLOT:

The standard radial line plot was used. No unusual difficulties were encountered in running the plot; all control points held and the common point check between flights was excellent.

The mean scale factor for both flights on this sheet worked out to 1.020. This was so close to unity that the projection was made true scale 1:20,000.

ADJUSTMENT OF PHOTOGRAPHS:

The radial points were well selected and of a sufficient number to make tracing easy except in the area around the village of Shiloh. The points were selected here as elsewhere, but due to the excessive tilt of the prints covering this area, it was necessary to establish additional points. These were located by the usual inter-lacing method acceptable in flat country and the checks were excellent.

INTERPRETATION OF DETAIL:

The photographs were unusually clear and no difficulty was experienced in interpreting detail with the aid of the field notes.

All of the land area on the sheet is very low; even the cultivated areas are only a few feet above the ground water level and agriculture is possible only by the use of an intricate system of drainage ditches. No unusual symbols were used and only a few sections are worthy of special note.

The heavily wooded area in the vicinity of Broad Creek and Camden Point comes under the general classification of "swamp". However, only the areas along the shoreline are habitually flooded and the waterline symbol has been used to denote regular cypress swamp. The interior has a mixed growth of cypress, gum and oak with considerable pine on the higher ridges and some swampy areas which are undefined and can not be field inspected or traced from the prints. Wade Point on the west side of the river is generally higher and is covered by a mixed growth of gum, oak, cypress and pine where not cleared for cultivation.

The marsh lining in the vicinity of Broad Creek and Camden Point denotes a hard, firm marsh covered with a dense growth of tall grass and scattering patches of small bushes, mostly yupon.

COMPARISONS:

The only sheets available for comparison were the adjoining map drawing, T-5457, the junction with which has been carefully checked, and chart No. 1228, which has been compared for general detail. The chart shows a bridge crossing Newbegun Creek at Weeksville. This is in error because there is no bridge here and the detail shown as a road is in reality a large drainage ditch as indicated on the map drawing.

*This has been
corrected on chart
1228. Page*

COMPARISONS-CONTINUED

The shoreline, from Miller Point on the east side of the river and from Pool Point to Wade Point on the west side, is badly eroded, especially on or in the vicinity of the points, where recessions of as much as 50 meters are indicated by reference marks to a system of triangulation stations established in this vicinity in 1916. Most of these stations are now gone and only an occasional blaze on a tree, now standing out in the open water, indicate the station location.

These eroded places are generally indicated by fresh cave-banks along the high water line and by stumps, dead trees or detached cypress clumps out in the open water.


ACCURACY AND COMPLETENESS:


All definite detail has been shown within the limits of the sheet as completely as it could be defined from the photographs and field notes. Many houses have not been shown due to the difficulty in determining their true size and location where they were shaded by large trees.

The control was adequate, the radial intersections excellent and the various check positions showed a smooth uniform plot. In view of the above it is believed that the probable error of location of definite detail does not exceed one millimeter and is, in general, much less than this.

Due to the small scale and the close spacing of the ditch systems, not all of the ditches have been shown on the drawing.

Respectfully submitted,


S. B. Grenell, compiler.


S. B. Grenell,
Chief of Party.

Remarks

Decisions

1		362 761
2		362 760
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GEOGRAPHIC NAMES

Survey No. T-5464

GEOGRAPHIC NAMES										
Survey No. T-5464										
Name on Survey	<div>On Chart No. 1228</div> <div>On previous survey No.</div> <div>On U. S. quadrangle Maps</div> <div>From local information</div> <div>On local Maps</div> <div>P. O. Guide or Map</div> <div>Rand McNally Atlas</div> <div>U. S. Light List</div>									
	A.	B.	C.	D.	E.	F.	G.	H.	K.	
<u>Weeksville</u> ✓	✓									1
<u>Shiloh</u> ✓	✓									2
<u>Newbegin Cr.</u> ✓	✓									3
<u>Portobank Cr.</u> ✓	✓									4
<u>Raymond Cr.</u> ✓	✓									5
<u>Bluff Point</u> ✓	✓									6
<u>Miles Point</u> ✓	✓									7
<u>Little Flatty Cr.</u> ✓	✓									8
<u>Bank Point</u> ✓	✓									9
<u>Wade Point</u> ✓	✓									10
<u>Pogueson Point</u> ✓	✓									11
<u>Camden Point</u> ✓	✓									12
<u>Broad Cr.</u> ✓	✓									13
<u>Pasquotank River</u>	✓									14
<u>Jordan Island</u> ✓	✓									15
<u>Miller Pt</u>	✓									16
<u>Old Wharf Bay</u> ✓	✓									17
<u>Old Trap</u> ✓	✓									18
<u>Pool Pt</u> ✓	✓									19
										20
										21
										22
										23
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										25
Names underlined in red on chart by HFE on 9/29/39										26
Time 1½ hrs										27

M 234 VR

REVIEW OF AIR PHOTO COMPILATION NO. 5464

Chief of Party:

*J. B. Grenell*Compiled by: *J. B. Grenell*

Project:

*Dismal Swamp Canal*Instructions dated: *Aug. 20, 1937*

1. The charts of this area have been examined and topographic information necessary to bring the charts up to date is shown on this compilation. (Par. 16a, b, c, d, e, g and i; 26; and 64) ✓
2. Change in position, or non-existence of wharfs, lights, and other topographic detail of particular importance to navigation which affect the chart, is discussed in the descriptive report. (Par. 26; and 66 g, n) ✓
3. Ground surveys by plane table, sextant, or theodolite have been used to supplement the photographic plot where necessary to obtain complete information, and all such surveys are discussed in the descriptive report. (Par. 65; and 66 d, e) *None*
4. Blue-prints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 28) *None*
5. Differences between this compilation and contemporary plane table and hydrographic surveys have been examined and rectified in the field before forwarding the compilations to the office and are discussed in the descriptive report.
No comparison
6. The control and adjustment of the photo plot are discussed in the descriptive report. Unusual or large adjustments are discussed in detail and limits of the area affected are stated. (Par. 12b; 44; and 66 c, h, i) ✓
7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44) ✓

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Refer also to the pamphlet "Notes on the Compilation of Planimetric Line Maps from Five Lens Air Photographs."

8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41) *None shown* ✓
9. Recoverable objects have been located and described on Form 524 in accordance with circular 30, 1933, circular letter of March 3, 1933, and circular 31, 1934. (Par. 29, 30, and 57) *No objects shown on Form 524*
10. A list of landmarks was furnished on Form 567 and instructions in the Director's letter of July 16, 1934, Landmarks for Charts, complied with. (Par. 16d, e; and 60) *No landmarks.*
11. All bridges shown on the compilation are accompanied by a note stating whether fixed or draw, clearance, and width of draw if a draw bridge. Additional information of importance to navigation is given in the descriptive report. (Par. 16c) *No bridges over navigable streams.*
12. Geographic names are shown on the overlay tracing. The accepted local usage of new names has been determined and they are listed in the report, together with a general statement as to source of information and a specific statement when advisable. Complete discussion of place names differing from the charts and from the U. S. G. S. Quadrangles is given in the descriptive report, together with reasons for recommendations made. (Par. 64, and 66k) *Charted names only are shown.*
13. The geographic datum of the compilation is *N.A. 1927* and the reference station is correctly noted.
14. Junctions with adjoining compilations have been examined and are in agreement. (Par. 66j) ✓
15. The drafting is satisfactory and particular attention has been given the following: ✓
 1. Standard symbols authorized by the Board of Surveys and Maps have been used throughout except as noted in the report. ✓
 2. The degrees and minutes of Latitude and Longitude are correctly marked. ✓

- 3. All station points are exactly marked by fine black dots. ✓
- 4. Closely spaced lines are drawn sharp and clear for printing. ✓
- 5. Topographic symbols for similar features are of uniform weight. ✓
- 6. All drawing has been retouched where partially rubbed off. ✓
- 7. Buildings are drawn with clear straight lines and square corners where such is the case on the ground. ✓

(Par. 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48)

- 16. No additional surveying is recommended at this time.

None in the area covered by this map drawing

- 17. Remarks:

- 18. Examined and approved;

1/31/38

[Signature]
Chief of Party

- 19. Remarks after review in office:

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-5464

September 29, 1939

There are no contemporary hydrographic or planetable surveys within the area of T-5464.

Comparison with Previous Topographic Surveys

T-207 (1847), 1:20,000
T-292 (1848), "
T-837 (1861), "
T-3621 (1916), "
T-6367 (1935), 1:10,000
T-6368 (1935), "

T-5464 is complete and adequate to supersede the sections of the above surveys which it covers except for the following:

Piers on T-3621.

Stumps and foul areas around Camden Point as shown on T-6367 and T-6368.

The above details are not visible on the photographs but have not been disproved by field inspection which was incomplete.

Comparison with charts 829, 831, and 1228

T-5464 has been applied to charts 829 and 831 prior to this review. No change has been made on T-5464 since the date of its application to the above charts.

Only two of the fixed aids in this area are shown on T-5464, these having been located by triangulation. The remaining aids were not visible on the photographs.

The above charts show a number of piling and pier ruins brought forward from previous surveys. These are not shown on T-5464 as they do not show on the photographs. They are not disproved as the field inspection was incomplete.

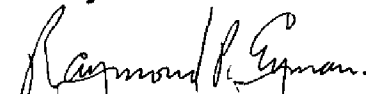
Reviewed by H. D. Reed, Jr.

Inspected by B. G. Jones

Examined and approved:



T. B. Reed
Chief, Section of Field Records



Chief, Section of Field Work



Chief, Division of Charts



Chief, Division of H. & T.