

# 8306

Diag'd. on Diag. ch. No. 78-3

# 8306

Form 504

## U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

### DESCRIPTIVE REPORT

Type of Survey Air Photographic Topographic

Field No. \_\_\_\_\_ Office No. T-8306

#### LOCALITY

State Virginia

General locality Isle of Wight County

Locality Smithfield

1944

#### CHIEF OF PARTY

F. L. GAILLEN  
Fred. L. Peacock

#### LIBRARY & ARCHIVES

DATE August 5, 1946

## DATA RECORD

T-8308

Quadrangle (II); 7½ minute

Project No. (II); CS-289

*SMITH FIELD**3652.5 - 7637.5*

Field Office: Suffolk, Virginia

Chief of Party: F. L. Gallen

Compilation Office: Baltimore, Md.

Chief of Party: Fred. L. Peacock

Instructions dated (II III);

March 13, October 20, and November 25, 1943

January 18, 1944

Copy filed in Descriptive  
Report No. T- (VI)Completed survey received in office: *6/2/44*Reported to Nautical Chart Section: *6/3/44*Reviewed: *11/3/44*

Applied to chart No.

Date:

Redrafting Completed: *3/20/45*Registered: *7/46*Published: *1945*

Compilation Scale: 1:20,000

Published Scale: *1:31,680*

Scale Factor (III); None

Geographic Datum (III); N.A. 1927

Datum Plane (III); Mean Sea Level

Reference Station (III); COBB, 1944

Lat.: 36° 57' 51.209"  
1578.6mLong.: 76° 41' 33.216"  
821.7m~~Adjusted~~  
Unadjusted (Field position)State Plane Coordinates (VI): *Cobb, 1944 Virginia Zone South**X = 36° 56.2'*  
*2,527,970.72"**Y = 75° 1.2'*  
*234,749.17"*Military Grid Zone (VI) *A**Overlapping Zone B*

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
12896 to 12899, Incl.	12/31/42	11:51 A.M.	1:20,000	0.4 ft. above M.L.W.
12904 to 12907, Incl.	12/31/42	12:09 P.M.	1:20,000	0.5 ft. above M.L.W.

Tide from (III): Predicted tables, Reference Station Hampton Roads with  
correction to Warwick River.

Mean Range: 2.5 ft.

Spring Range: 3.0 ft.

Camera: (Kind or source) U. S. Coast and Geodetic Survey nine lens (focal  
length  $8\frac{1}{4}$  inches)

Contouring and  
Field Inspection by: H.M. Eldridge, W.F. Doescher, E.E. date: February and  
Nugent, G.B. Woolley, A.M. Jyhla and L. Levin March 1944

Field Edit by: W.E. Clark

date: May-June 1944

Date of Mean High-Water Line Location (III): Same as date of photographs

Projection and Grids ruled by (III) J.T.B.

date: 4/21/44

" " " checked by: K.N.M.

date: 4/22/44

Control plotted by: E. Herman

date: 4/26/44

Control checked by: C. W. A. Supp

date: 4/26/44

Radial Plot by: Joseph Steinberg

date: 5/4/ to 5/6/44

Detailed by: Harold R. Brooks and Kerwin B. Roche

date: 5/10 to 6/1/44

Reviewed in compilation office by: Henry P. Eichert

date: 5/30 to 6/1/44

Elevations on Field Edit Sheet

checked by: *K.N. Markin*

date: 7-1-44

STATISTICS (III)

Land Area (Sq. Statute Miles); 55

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

Shoreline (Less than 200 meters to opposite shore); 2 statute miles

Number of Recoverable Topographic Stations established; 18 (15 bench marks and 3 azimuth reference monuments.)

Number of Temporary Hydrographic Stations located by radial plot; None

Leveling (to control contours) - miles;

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;

## **General Procedure in the Production of Topographic Quadrangles for the War Department**

This quadrangle, together with similar adjoining maps produced under Project C.S. 289-B, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

The general procedure in the production of this and the adjoining quadrangles was:

### **FIELD SURVEYS**

Aerial photography with the Coast and Geodetic Survey nine-lens camera, with airplane and flight crew furnished by the U. S. Coast Guard. The photographs were taken to the scale of 1:20,000.

Ground inspection of the photographs for identification of control points, and classification and clarification of planimetric details on the photographs.

Contouring by planetable directly on the photographs. Supplementary vertical control was established by means of an extensive subordinate level net, furnishing unmarked elevations at road intersections, drive-ways, and numerous other points identifiable on the photographs.

### **COMPILATION OF MANUSCRIPT**

Compilation on the map manuscripts by radial plot methods (celluloid band templates) of all planimetry and contours. These manuscripts were drawn on the scale of 1:20,000 on celluloid sheets on which polyconic projections had been ruled with the Projection Ruling Machine in the Washington Office. Compilation was accomplished in the Baltimore ~~Tampa~~ Photogrammetric Office.

### **FIELD EDIT**

Comparison of a copy of the manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planetable methods of additional details, checking of nautical and aeronautical aids to navigation, etc.

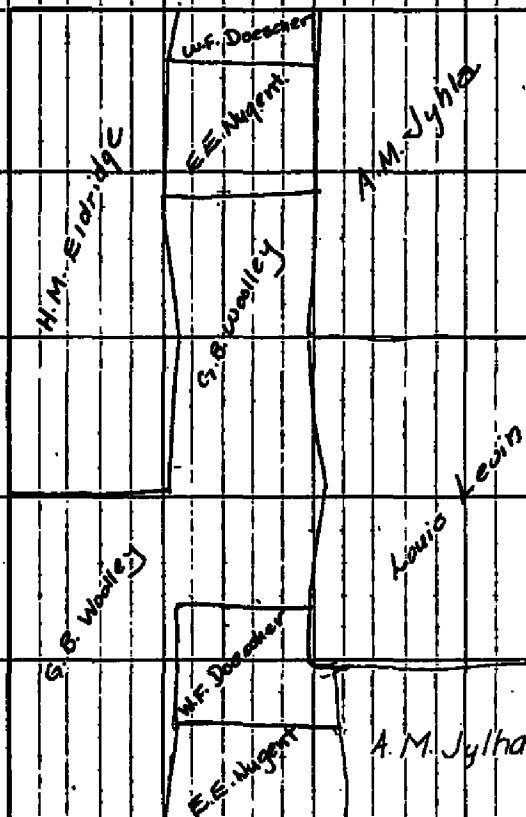
**Accuracy Tests** - Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined by standard survey methods.

#### **PROCESSING IN THE WASHINGTON OFFICE**

**Review** - Examination of the manuscript for accuracy and completeness of compilation and compliance with specifications, correcting where necessary; addition of military and state grids and other special features; and verification of the general adequacy of the manuscript as a basis for the production of a finished map.

**Drafting and Reproduction** - Preparation of smooth color separation drawings on 1:20,000 scale on metal-mounted "blue-line" copies of the manuscript. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680 or 1:25,000.

T- 8306



Contours and field inspection: as above  
Febr. - March, 1944.

FIELD INSPECTION REPORT  
QUADRANGLE T-8306  
PROJECT CS-289-B (South)  
F.L. Gallen Chief of Party

1. This quadrangle is located in Isle of Wight County, Virginia. Farming is the principal occupation and large numbers of hogs are raised. Large areas timbered with pine and deciduous trees remain and logging is a secondary industry.

The drainage is principally to the east and south by streams which eventually empty into the James River which lies a short distance to the east. The northwest corner of the quadrangle drains west to the Blackwater River.

The stream valleys are pronounced and most of the contours are found contiguous to water courses. The elevations in the quadrangle vary from sea level along the tidewater streams in the northeastern corner of the quadrangle to a maximum of about ninety feet. Wet swampy land is found along the streams and some of the higher land is flat and poorly drained.

State Highway No. 258 crosses the quadrangle from southwest to northeast and State Highway No. 10 touches the northeast corner of the quadrangle. In addition there is a system of county roads which are partly hard surfaced.

Smithfield, population about twelve hundred, is the site of several meat packing plants and furnishes the trade for a type of ham cured in a manner peculiar to this region. The only other settlements of any size are Central Hill and Isle of Wight Courthouse.

2. The field inspection of the area is thought to be complete. Part of the quadrangle was contoured on single lens photographs and in these areas the field inspection may be on an adjacent nine lens photograph due to the age of the single lens pictures.

The upper end of Lake Burnt Hills, a new source of water supply for the City of Norfolk, is inside the southern boundary of the quadrangle and the Field Inspection Report for T-8293 should be consulted for information on the area to be covered by the impounded lake.

3. The photographs are typical for the area and no special information need be given.

4 and 5 See Field Inspection Report for T-8295.

6. See Field Inspection Report for T-8293.

7 to 10 Does not apply to this quadrangle.



11. No Landmarks or Aids to Navigation were located in this quadrangle.
  12. No Hydrographic and Topographic stations were located in this quadrangle.
  13. There are no landing fields or aeronautical aids in this quadrangle.
  - 14 and 15 Same as for T-8295.
  16. All buildings to be shown on the map manuscript have been indicated on the photographs, either by circling and labelling or blocking-in. Two different color schemes were used. The applicable color scheme has been indicated on the individual photograph.
  17. The town limits of Smithfield are shown on a field inspection photograph. *Shown in green on manuscript.*
- A series of maps were provided for Lake Burnt Hills with the data for quadrangle T-8293. It is not thought that the belt of city owned land around the impounded lake will be sufficient width to be shown at the scale of the map manuscript.
18. See Field Inspection Report for T-8295.

Submitted by:



Louis Levin  
Sr. Photo. Aid

Approved and forwarded by:



F. L. Gallen  
Chief, of Party

26 CONTROL:

The Field Party responsible for the identification of horizontal control in the area of Project CS-283 recovered and identified on the 1:10,000 nine lens field photographs, the following horizontal control station which lies within the limits of this Map Manuscript, namely:

SMITHFIELD BLACK WATER TANK, 1932

and the following horizontal control station which lies just outside the limits of this Map Manuscript, namely:

THE ROCKS, BARN N. GABLE, 1938

Both of the above stations were transferred to the 1:20,000 office photographs from the 1:10,000 field photographs at the Compilation Office.

The Field Party responsible for the identification of horizontal control for War Mapping Project CS-289 recovered and identified on the nine lens 1:20,000 field photographs the following horizontal control stations.

Those within the detail limits are:

CENTRAL HILL, 1944  
ISLE OF WIGHT, FIRE LOOKOUT TOWER, 1944  
GALE, 1944  
COBB, 1944  
PRIMARY TRAVERSE STATION 10C, 1918 (U.S.G.S.)

Those just outside the detail limits are:

SMITHFIELD, 1932  
BOBBS, 1944

The Field Parties established field inspection stations at well defined points of detail near many of the above horizontal control stations.

All of the horizontal control stations mentioned were used to establish photograph centers, secondary points, and detail points.

27 RADIAL PLOT:

The radial plot for this Map Manuscript is part of Main Radial Plot No. 5, Project CS-289, the descriptive report for which will be included in the descriptive report of Map Manuscript for Survey No. T-8293, which will be submitted to the Washington Office in the near future.

28 DETAILING:

The field inspection data furnished the Compilation Office for this Map Manuscript were satisfactory. A small area in the northeast corner of this Map Manuscript was covered by field inspection data of Project CS-283. This data in most part concerned the high-water line and adjacent areas thereto, of Pagan River (Pagan Creek, recommended), executed by Lieutenant Dale E. Sturmer in March, 1944. It was used to supplement the field inspection data furnished by the War Mapping Field Party.

All drainage, and limits of marsh and swamp areas, where not clearly defined on the photographs, were verified by stereoscopic examination of the photographs.

This Map Manuscript has been detailed in accordance with the field inspection data of Projects CS-283 and CS-289. All features detailed on the Map Manuscript have been shown with the conventional symbol as recommended by the Washington Office.

The number of photographs covering the area was adequate. The scales of the photographs and the Map Manuscript were in good agreement.

29 SUPPLEMENTAL DATA:

The following previous survey, made by the U. S. Coast and Geodetic Survey, covers a portion of the area of this Map Manuscript, namely:

T-1266	1871-73	1:20,000
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The above survey was not available to the Compilation Office.

The Field Party furnished the Compilation Office paper tracings, Scale 1:20,000, of the Lake Burnt Mills area. These paper tracings were tied in to points located and identified on the field inspection photographs so that the detail of the area could be readily transferred to the Map Manuscript.

30 MEAN HIGH-WATER LINE:

The approximate stage of tide of all the photographs was computed and found to be just above Mean Low-Water. This served as a guide in determining the correct position of the High-Water Line of Pagan Creek, the only navigable waters in the area of this Map Manuscript.

31 LOW-WATER AND SHOAL LINES:

Approximate Low-Water Lines were detailed in accordance with field inspection data and office examination of the photographs. No shoal lines were visible on the photographs.

32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE:

There are no details offshore from the High-Water Line visible on the photographs and none were indicated by field inspection data.

33 WHARVES AND SHORELINE STRUCTURES:

All wharves and other shoreline structures visible on the photographs, and those indicated by field inspection data, were detailed.

34 LANDMARKS AND AIDS TO NAVIGATION:

*See Chart Letter 917 (49) Copy enclosed.*

All landmarks and fixed aids to navigation in the area of this Map Manuscript will be included in the Map Drawings for Surveys Nos. T-8062, T-8067, and T-8068, Project CS-283, which are now in process of compilation at this Compilation Office.

35 HYDROGRAPHIC CONTROL:

Map Drawings are being completed at the Compilation Office showing data for a contemplated hydrographic survey, to be made in the near future, of the waters falling within the area of this Map Manuscript.

36 LANDING FIELDS AND AERONAUTICAL AIDS:

There are no landing fields or aeronautical aids within the limits of this Map Manuscript.

37 DISCREPANCY OVERLAY:

A Discrepancy Overlay has been prepared to accompany this Map Manuscript. On it are such notes that are deemed likely to be of assistance during any future field edit. A set of general notes is included to aid in the interpretation of the symbols shown on this Map Manuscript.

38 GEOGRAPHIC NAMES:

The results of a geographic names investigation have been furnished



38 GEOGRAPHIC NAMES: (Continued)

the Compilation Office on a copy of the U. S. Geological Survey Smithfield, Va. 15 minute Quadrangle. Only the undisputed names have been shown on the Map Manuscript. A list of undisputed, disputed, and recommended names is attached to this Descriptive Report.

39 HORIZONTAL ACCURACY:

The horizontal accuracy of this Map Manuscript is believed to be within the limits as set forth for well-defined and less well-defined points of detail for War Mapping Projects.

40 RECOMMENDATIONS FOR FUTURE SURVEYS:

The planimetry as shown on this Map Manuscript is believed to be complete, except as noted herein.

41 RECOVERABLE TOPOGRAPHIC STATIONS:

Form No. 524 is being submitted for each of 18 Recoverable Topographic Stations. Fifteen of these stations are bench marks and three are azimuth reference monuments. All were radially plotted using the identified location furnished by the Field Party on the field photographs.

*While the field inspection party did pick the locations of Bench Marks on the photographs approximately, no reference measurements were made and the positions obtained cannot be considered as any better than approximations and are not usable as control.*

42 REMARKS:

The description of the area of this Map Manuscript as prepared in the field report is adequate.

43 JUNCTIONS:

Satisfactory junctions were made with the following Map Manuscripts:

To the North with Map Manuscript for Survey No. T-8311.  
To the West with Map Manuscript for Survey No. T-8307.  
To the South with Map Manuscript for Survey No. T-8293.  
To the East with Map Manuscript for Survey No. T-8305.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

Due to scale difference, only a visual comparison could conveniently be made with the U. S. Geological Survey Smithfield, Va. 15 minute Quadrangle. A bridge crossing the Pagan Creek just north of Smithfield has been relocated. The lumber railroad in the southwest area of the quadrangle is now abandoned. Many man made changes are evident. Common planimetric detail seems to be in fair agreement.



45 COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Nautical Chart No. 529, Scale: 1:40,000, issued September 1940 and reissued March 6, 1944. Common topographic features are in good agreement.

Five piers on the south side of Pagan Creek just east of Smithfield are shown on the Map Manuscript but not on the Chart. A wreck just North of Smithfield, off the East shore of Pagan Creek, was indicated by the field inspection data of Project CS-283. This wreck is not shown on the Chart.

Respectfully submitted,  
May 31, 1944

Harold R. Brooks  
Harold R. Brooks,  
Senior Engineering Aid

and

Kerwin B. Roche  
Kerwin B. Roche,  
Senior Photogrammetric Aid

Map Manuscript, Discrepancy  
Overlay, and Descriptive Report  
Reviewed By:

Henry P. Eichert  
Henry P. Eichert,  
Junior Photogrammetric Engineer

Compilation of Map Manuscript  
Supervised By:

Joseph Steinberg  
Joseph Steinberg,  
Asst. Photogrammetric Engineer

and

J. Edward Deal Jr.  
J. Edward Deal, Jr.,  
Asst. Photogrammetric Engineer

Approved and Forwarded:  
June 2, 1944

Fred. I. Peacock  
Fred. I. Peacock  
Commander, C. & G. Survey  
Officer-in-Charge,  
Baltimore Photogrammetric Office

## Geographic Names

### Undisputed

✓ Allmond Pond	✓ Magnet
✓ Bethel Church	✓ Mount Holly Creek
✓ Blairs Creek	✓ Nuby Bridge Pond
✓ Bowling Green Road	✓ Nuby Run
✓ Carroll Bridge	✓ Racetrack Road
✓ Central Hill	✓ Rattlesnake Swamp
<del>✓ Chalmers Point</del>	✓ Ross Pocoson
✓ Champion Swamp	Scotts Factory Road
✓ Colonial Trail	✓ Smithfield
✓ Comet	✓ Smithfield and Ivor Road
✓ Comet Road	Smithfield Creek
✓ Comet Swamp	✓ Stallings Creek
✓ Courthouse Pond	✓ Stokes School
✓ Courthouse Road	✓ Trinity School
✓ Garner School	✓ Uzzell Church
✓ Isle of Wight	✓ Wakwin Road

Geographic Names

Disputed

Recommended

Cook Swamp  
Four Square  
Pagan Creek  
Scotts Factory Pond

Disputed

Great Swamp  
Foursquare  
Pagan River  
Old Mill Pond



FIELD EDIT REPORT  
TO ACCOMPANY  
QUADRANGLE T-8306  
PROJECT CS-289 B (South)  
F. L. Gallen                      Chief of Party

5. VERTICAL CONTROL: The designation and elevations of all bench marks have been checked and verified by the field edit party.
6. CONTOURING: The contouring in approximately Latitude 36-56.6 and Longitude 76-44 was changed slightly, to accommodate a small intermittent stream, which had been added by the field edit party.
11. LANDMARKS AND AIDS TO NAVIGATION: The field edit party verified the position of the SMITHFIELD, BLACK WATER TANK: a triangulation station.
14. ROAD CLASSIFICATION: All roads have been classified and shown in accordance with instruction from the War Department, dated July 23, 1942.
15. BRIDGES: All bridges have been classified in accordance with instructions from the Army War College, dated January 12, 1942.
16. BUILDINGS: Buildings added by the field edit party have been classified.
17. BOUNDARY LINES AND MONUMENTS: The town limits for Smithfield were placed on the map manuscript by the transfer of the above mentioned limits from a map furnished by the town clerk: No town markers exist but the limits placed on the sheet were verified by members of the town council.
18. GEOGRAPHIC NAMES: No discrepancy was found. ~~X~~
46. METHODS: This quadrangle was field edited on an ozalid print and the results of the field edit were transferred to a duplicate ozalid print in the office. Discrepancies not covered by a suitable symbol were noted by a sentence and arrow to the point in question.

All symbols used are standard topographic except that a green X was used for deletions. The following color scheme was used:

Deletions ..... Green  
Additions, classifications, names,  
notes and elevations ..... Black  
Political sub-divisions..... Violet  
Notes on discrepancy overlay have been checked off in red ink.

47. ADEQUACY OF COMPILATION: The compiled detail on this sheet was adequate with few additions, classifications or deletions necessary.

*Horizontal Accuracy Test No. 8 (T-8293 & T-8306) is  
bound with descriptive report T-8293.*

48. **ACCURACY TESTS:** A test was made to determine the accuracy of the contours in this quadrangle. A photograph that had been used for recovery or leveling was used to re-contour a small area in the vicinity of Central Hill.

The 55', 65', 75' and 85' contours were added in addition to the 60' and 80' contours. Contours were accurately located by taking shots on them approximately 100 meters apart. This resulted in having the 60' and 80' contours within the limits of 5 feet. The contours were checked by placing a tracing of the contours from the contour photograph over the accuracy traverse.

The test traverse was run by W. W. Doeringsfeld, Jr., on photograph No. 12905 to check the work of Glen B. Woolley. The results of the test showed that the contours were well within the limits of the national standard map accuracy requirements.

- One horizontal accuracy test was run in this quadrangle and will be scaled in the Washington Office. *One copy of comparison is in Desc. Report T-8293 and one copy on file in review unit. The accuracy of the planimetry is satisfactory.*
49. **JUNCTIONS:** The junctions with T-8305 were checked and it was found that the twenty foot contour on T-8305 at Latitude 37-58-01 should be moved south 50 meters.

Junctions with quadrangle T-8311 were found to be correct.

Junctions with quadrangles T-8307 and T-8293 will be checked later when the before mentioned quadrangles are field edited.  
*checked in Washington office during review.*

Submitted by:

W.E. Clark  
W. E. Clark  
Sr. Photo. Aid  
*by S.R.F.*

Approved and forwarded by:

*F. L. Gallen*  
F. L. Gallen  
Chief of Party  
*by S.R.F.*

T-8306

No. 1  
Decisions

Remarks

1		USGB
2		
3		
4		
5		Road Maps
6		USGB
7		
8		368766
9		"
10		"
11	Use this form pending USGB decision	"
12		368767
13		369767
14		"
15		"
16		"
17	not shown	"
18		369766
19		369767
20		✓ 369768
21		"
22		"
23		"
24		"
25		"
26		"
27		"
M 234		

# GEOGRAPHIC NAMES

Survey No. T-8306

SMITHFIELD quadrangle

1	Name on Survey	A	B	C	D	E	F	G	H	K	
	Virginia	✓									1
	Isle of Wight County	✓									2
	Hardy District	✓									3
	Newport District	✓									4
	State Nos. 10 (Colonial Trail), 312, 258										5
	Pagan River	✓									6
											7
	Ross Pocason	✓									8
	Nuby Bridge Pond	✓									9
	Nuby Run	✓									10
	Cook Swamp	✓									11
	Courthouse Road	✓									12
	Isle of Wight	✓									13
	Central Hill	✓									14
	Racetrack Road	✓									15
	Courthouse Pond	✓									16
	Stokes School	✓									17
	Smithfield and Ivor Road	✓									18
	Bethel Church	✓									19
	Rattlesnake Swamp	✓									20
	Comet	✓									21
	Comet Road	✓									22
	Comet Swamp	✓									23
	Stallings Creek	✓									24
	Trinity School	✓									25
	Emanuel Church	✓									26
	Magnet	✓									27

M 234



T-8306

No. 2

Remarks.

Decisions

1		369766
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14	Not shown	"
15		"
16		"
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M 234		

# GEOGRAPHIC NAMES

Survey No. T-8306

2	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>Wakwin Road</u>	✓								1
	<u>Pentecostal Church</u>	✓								2
	<u>Four Square</u>	✓								3
	<u>Blairs Creek</u>	✓								4
	<u>Mount Holly Creek</u>	✓								5
	<u>Smithfield Creek</u>	✓								6
	<u>Smithfield</u>	✓								7
	<u>Scotts Factory Road</u>	✓								8
	<u>Scotts Factory Pond</u>	✓								9
	<u>Champion Swamp</u>	✓								10
	<u>Uzzell Church</u>	✓								11
	<u>Carroll Bridge</u>	✓								12
	<u>Allmond Pond</u>	✓								13
	<u>Garner School</u>	✓	(?? on name list, not shown on field edit)							14
	<u>Bowling Green Road</u>	✓								15
	<u>Ebenezer Church</u>	✓								16
										17
										18
										19
										20
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										22
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										24
										25
										26
										27

Names underlined in red approved

by L. H. Eckert 1/30/45

## RECORDS

Between January, 1942 and July, 1944, this Bureau completed 323 quadrangles. These maps have been published, or are in the process of being published on scales of 1:31,680 or 1:25,000. This series of quadrangles includes a land area of approximately 15,000 square miles. Incident to this work, a considerable volume of survey records and data has accumulated which will be filed for future reference. This material is filed as follows:

### Registered and Filed in the Vault

Cloth-mounted copy of the published quadrangle.  
published quadrangle at 1:20,000 scale  
Black and white cloth-mounted copy of the map manuscript. This copy is filed to preserve original survey detail shown on the manuscript at 1:20,000 scale which may not have been shown on the published sheet. For ~~political boundaries, woodland, marsh, and swamp limits~~, refer to the published quadrangle for the finally adopted positions, outlines.

Descriptive Report.

Division.

Filed in the Photogrammetric Section—Surveys Branch

Field inspection photographs.

Contoured photographs (on which planetable contouring work was performed.)

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Reviewing Unit Section.

Supplementary traverse and level records.

Field notes, computations, lists of positions, and tabulations of results of horizontal and vertical accuracy tests.

Reproduction proof.

Correction sheet (copy of quadrangle showing in red changes to be made when next printed.)

Check lists of work performed on each sheet in the Washington Office during review, drafting, edit, and reproduction.

Original celluloid manuscript.

Copies of specifications and all instructions to field parties and field offices.

Filed in Reproduction Branch

Glass negatives of the color separation drawings.

Filed in the Library

~~Special report on field work by Commander K. T. Adams, 1944.~~

Special report on office work by B. G. Jones, 1944.

Season's report on field work by Commander F. L. Gallen, 1944.

Season's report on field work by Commander R. L. Schoppe, 1944.

Delivered to the Army Map Service in accordance with the contract

Film negatives and film positives of the color separation drawings.

All color separation drawings.

~~Original celluloid manuscript.~~

A correction sheet consisting of a copy of the first edition of the quadrangle with notes in red indicating changes desirable at the next printing.



DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8306

SMITHFIELD QUADRANGLE

This quadrangle manuscript has been examined for completeness, accuracy, and conformity with the specifications. It is adequate for smooth drafting, reproduction and publication. Revisions found to be necessary in this office are discussed on the next page.

Horizontal and Vertical Accuracy

A horizontal accuracy test was run in this area and found to be satisfactory. See the files in the Division of Photogrammetry.

A vertical accuracy test was run in this area and found to be satisfactory. See Item 48 in the Field Edit Report enclosed in this Descriptive Report.

Previous Surveys

This manuscript has been compared with the following previous topographic surveys of this Bureau and other agencies. This map is satisfactory to supersede the previous surveys over the common area.

T-1266

1:20,000

1872

Comparison with Nautical Charts Nos. 529

The manuscript has not been applied to the charts at the date of this review. The following comments are pertinent to the compilation and correction of nautical charts:

The details of T-8306 are complete and adequate for chart correction.

The following revisions of the map manuscript were found to be necessary and were accomplished as a part of this review:

Only changes of a minor nature were necessary during the review of this map manuscript.

Reviewed 7-1-44 By K. H. Mahan  
under direction of D. H. Benson

Inspected by B. G. Jones B. G. Jones

Examined and approved:

K. T. Adams  
Chief, Surveys Branch  
Division of Photogrammetry

Chief, Topography Section

Robert W. Jones  
Chief, Div. of Charts  
Nautical Chart Branch  
Raymond P. Egan  
Chief, Div. of Coastal  
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