

8293

8293

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic Topographic

Field No. _____ Office No. T-8293

LOCALITY

State Virginia

General locality Isle of Wight and
Nansemond Counties

Locality Windsor

1944

CHIEF OF PARTY

F. L. Gellen
Fred. L. Peacock

LIBRARY & ARCHIVES

DATE June 25, 1946

ON
Diag. 78-2

DATA RECORD

T-8293

Quadrangle (II): ~~7 1/2 minute~~ Windsor, Va.
N36 45-W7637.5/7.5

Project No. (II): C.S. 289

Field Office: Suffolk, Va.

Chief of Party: F. L. Gallen

Compilation Office: Baltimore, Md.

Chief of Party: Fred. L. Peacock

Instructions dated (II III):
Mar. 13, Oct. 20, and Nov. 25, 1943
Jan. 18, 1944.

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

Completed survey received in office: 6/9/44

Reported to Nautical Chart Section: 6/10/44

Reviewed: 8/9/44

Applied to chart No.

Date:

Redrafting Completed: 9/23/44

Registered: 6/46

Published: 1944

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): EVERETT, 1944

Lat.: 36° 49' 38.752" (1194.5m) Long.: 76° 39' 07.585" (188.0m) ~~Unadjusted~~

Unadjusted

Field Computation

State Plane Coordinates (VI): Virginia, South Zone

X =

Not available.

Y =

Military Grid Zone (VI)

"A"

also Overlapping Military Grid Zone "B"

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
12899 to 12901 Inc.	12/31/42	11:55 A.M.	1:20,000	There are no tidal waters within the limits of this Map Manuscript
12902 to 12904 Inc.	12/31/42	12:05 P.M.	1:20,000	
Single lens 9"X9"				
F G 136-173 to				
F G 136-181	7/10/37	Unknown	1:20,000	

Tide from (III): None

Mean Range: None

Spring Range: None

Camera: (Kind or source) U.S. Coast & Geodetic Survey nine lens camera
(focal length 8 $\frac{1}{2}$ inches)

Contouring and H.M.Eldridge, E.E.Nugent, M.W.Burr,
Field Inspection by: W.F.Doescher, Louis Levin, A.H.Jyhla, date: Feb. 1944
W.E.Clark, Gordon Bowker,

Field Edit by: Lewis Levin

date:

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

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: C.P.Palumbo

date: 4/26/44

Control checked by: C. W. A. Supp

date: 4/29/44

Radial Plot by: Joseph Steinberg

date: 5/2 to 5/4/44

Detailed by: M. Whitmore

date: 5/9 to 6/5/44

Reviewed in compilation office by: Henry P. Eichert

date: 6/3 to 6/5/44

Elevations on Field Edit Sheet checked against field photos
checked by: J.T. B. L. M.

date: 7/6/44

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); None

Number of Recoverable Topographic Stations established; 8

Number of Temporary Hydrographic Stations located by radial plot;

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 hand templets) 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.

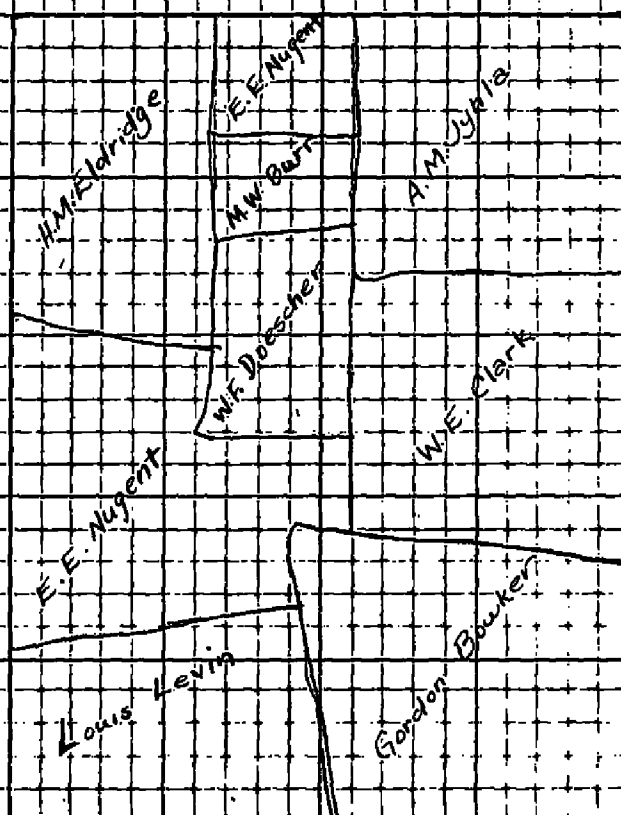
Accuracy Tests - Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined 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-8293



Contours and Field Inspection as
above February, 1944

FIELD INSPECTION REPORT.
QUADRANGLE T-8293
PROJECT CS-289-B (SOUTH)
F.L. Gallan, Chief of Party

1. This quadrangle is located in Isle of Wight and Nansemond Counties, Virginia, the county line running diagonally across the quadrangle from southwest to northeast. Farming is the principal occupation, the fields being relatively small in size and on the higher and better drained land. The uncleared areas are heavily timbered with pine and deciduous trees and logging is a secondary industry.

The drainage is to the east to the Nansemond River. Three of the streams have been dammed to form lakes which supply water to the cities of Norfolk and Portsmouth. These lakes are named Cahoon Pond, Lake Prince and Lake Burnt Mills, the latter being new and in the process of completion.

The elevations in this quadrangle vary from several feet to a maximum of about ninety feet. The stream valleys are pronounced and most of the contours are found near the streams. The land between the streams is flat to slightly rolling and there are large areas of poorly drained land.

Windsor, population about two hundred, is the largest settlement in the quadrangle. U. S. Highway No. 460, a four lane highway crosses the quadrangle from east to west and State Highway No. 258 runs north and south near the west border of the quadrangle. In addition there is a system of county highways some of which are surfaced, but the unsurfaced roads deteriorate during wet weather. The Norfolk and Western Railroad runs across the southwestern corner of the quadrangle.

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.

Lake Burnt Mills, in the northeastern corner of the quadrangle, does not appear on the photographs although part of the dam is visible. Maps have been secured from the City of Norfolk showing the perimeter of the reservoir and also several five foot contours above the spillway elevation of 35 feet. The datum for this survey is based on a U. S. G. S. bench mark and is M. S. L. It is thought that the outline of the lake can be taken from these maps, and also the 40 foot contour

where it is lacking on the photograph. The trees and brush below the 35 foot contour are in the process of being cleared.

The horizontal control for this survey is based on a closed traverse starting and stopping on U. S. G. S. Primary Traverse Station No. 4. The azimuth was scaled from a U. S. G. S. map and is not a true azimuth. Several stations on this traverse have been located on Photograph No. 12899, with sketches on the back of the photograph. Information from the City of Norfolk Water Department indicates that the survey is ^{has} a fair degree of accuracy but there was a large labor turnover on the job and all of the survey may not be of the same standard of accuracy and some local adjustment may be necessary.

Maps are being furnished for Lake Prince with which to check the perimeter of the lake. The datum for these maps is about two feet higher than M. S. L. and the 25 foot contour on the map corresponds with the actual spillway elevation of 27 feet. Not much is known of the accuracy of these maps. The water elevation at the time the photographs were taken was about 20 feet and the top of the white line on the photographs should be taken as the shoreline.

A map is being furnished for Cahoon Pond. The datum for this map is approximately M. S. L. and the 30 foot contour as shown on the map is about a foot above the spillway elevation. The pond was full when the photographs were taken.

3. The photographs are typical for the area and no special information need be given.
- 4 and 5 See Report for T-8295
6. See Report for T-8295 for methods.

All contouring was done on photographs. Nine lens photographs were used for most of the area but where the distance between picture centers was excessive and the contours close together prints of single lens A41 photographs were used. Wooded areas are not as clear on these photographs due to the time of year at which the pictures were taken and the drainage pattern was frequently taken from an adjacent nine lens photograph.

On photograph No. 12899 all of the 40 foot contour around Lake Burnt Hills has not been shown on the photograph and the un-contoured portion can be obtained from the maps of the lake. See Heading No. 2 for further information on this subject.

- 7 to 10 Does not apply to this quadrangle.
11. There are no Landmarks or Aids to Navigation in this quadrangle.
12. No Hydrographic and Topographic stations were located in this quadrangle. 324 cards submitted.
13. There are no landing field or aeronautical aids in this quadrangle.
- 14 & 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 by blocking-in. Two different color schemes were used. The applicable color schemes have been indicated on the individual photographs.
17. The Nansemond - Isle of Wight county line has not been indicated on the photographs. In the northeastern corner of the quadrangle a boundary monument located by the U. S. G. S. in 1917 could not be found in 1944 but the position which is Lat. 36-50-06.1; Long. 76-38-27.4 should still be satisfactory. Boundary markers along the Norfolk and Western Railroad have been picked on a field inspection photograph. In the southwestern corner of the quadrangle local information indicates that the boundary passes within a few feet of a road intersection. A note of this has been made on topographic photographic No. 12902. All records of this county line have been lost and existing maps are now source material. No information could be obtained as to the exactness of the county boundary line shown on the map of Lake Prince.

The boundary line of the City owned land around Cahoon Pond has been shown on the photograph where the size of the tracts are large enough to be shown on the map manuscript. The entire boundary is shown on the map of the lake.

The city owned land around Lake Prince is uncertain in area and need not be shown on the map manuscript.

The city owned land around Lake Burnt Hills is shown on the maps of the lake.

The town line of Windsor is shown on the photograph.

18. See Report for T-8295.

Submitted by

William E. Clark
William E. Clark
Sr. Photo. Aid

Approved and Forwarded by

F. L. Gallen

F. L. Gallen
Chief, of Party

*Owned by
Utility Co.
not City.*

*indicated on
manuscript and field
edit sheet.*

shown by comparison blue

ACCURACY OF IDENTIFICATION REPORT
CLASSIFICATION OF HORIZONTAL
CONTROL FOR THE REMAINDER
OF MAIN RADIAL PLOT NO. 4 AND
MAIN RADIAL PLOT NO. 5
CS - 289 (South)

SHEET T-8293

POSITIVELY IDENTIFIED STATIONS:

*(F.I.P.) EVERETT, 1944
(F.I.P.) PURVIS, 1918, R.M. No. 1, 1918, 1944
(F.I.P.) WINDOCH, 1944
U.S.G.S. Traverse Stations:
(F.I.P.) Prim. Trav. Sta. No. 4, 1918
(F.I.P.) Prim. Trav. Sta. No. 5, 1918C
Prim. Trav. Sta. No. 8, 1918C
Prim. Trav. Sta. No. 9, 1918C

DOUBTFULLY IDENTIFIED STATIONS:

none

STATIONS NOT IDENTIFIED:

none

SHEET T-8306

POSITIVELY IDENTIFIED STATIONS:

(F.I.P.) CARRILL HILL, 1944
(F.I.P.) CORB, 1944
(F.I.P.) GALE, 1944
ISLE OF NIGHT WIND LOOKOUT, 1944
(F.I.P.) LEMMY, 1944
SILVERED BLACK WATER LAKE, 1932 (n.d.)
U.S.G.S. Traverse Stations:
Prim. Trav. Sta. No. 10, 1918C

DOUBTFULLY IDENTIFIED STATIONS:

U.S.G.S. Traverse Station:
Prim. Trav. Sta. 299 (A)

STATIONS NOT IDENTIFIED:

none

*(F.I.P.) - Field Inspection Point established for this station.

SHEET T-8311

POSITIVELY IDENTIFIED STATIONS:

(F.I.P.) SMITHFIELD, 1932
(F.I.P.) BACON, 1932

DOUBTFULLY IDENTIFIED STATIONS:

none

STATIONS NOT IDENTIFIED:

The control stations not listed above, that fall within the limits of this sheet, were searched for during the course of field work on Project CS-283 (re: item No. 7 of the Director's instructions dated October 20, 1943). Enough of the stations recovered on Project CS-283, and identified on the 1:10000 scale photographs of that project, were transferable to the 1:20000 scale photographs of this project, for control in this radial plot.

SHEET T-8312

POSITIVELY IDENTIFIED STATIONS:

(F.I.P.) DEMON, 1938
(F.I.P.) GROVE ECC., 1932

DOUBTFULLY IDENTIFIED STATIONS:

none

STATIONS NOT IDENTIFIED:

The control stations not listed above, that fall within the limits of this sheet, were searched for during the course of field work on Project CS-283 (re: item No. 7 of the Director's instructions dated October 20, 1943). Enough of the stations recovered on Project CS-283, and identified on the 1:10000 scale photographs of that project, were transferable to the 1:2000 scale photographs of this project for control in this radial plot

Approved and Forwarded

F. L. Gallen
F. L. Gallen
Chief of Party

Submitted by

E. L. Maxwell
E. L. Maxwell
Ensign, C. & G. S.

26 CONTROL:

The Field Party recovered and identified on the 1:20,000 nine lens field photographs the following horizontal control stations. Those falling within the limits of the Map Manuscript are:

P.T.S. No. 5, 1918C (U.S.G.S.) — Station 8293
P.T.S. No. 4, 1918C (U.S.G.S.)
EVERETT, 1944
WINDSOR, 1944
P.T.S. No. 8, 1918 (U.S.G.S.)
P.T.S. No. 9, 1918 (U.S.G.S.)

Those falling just outside the limits of the Map Manuscript are:

ISLE OF WIGHT LOOKOUT TOWER, 1944
P.T.S. No. 10 C, 1918 (U.S.G.S.)

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

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

27 RADIAL PLOT:

The Radial Plot for this Map Manuscript is part of Main Radial Plot No. 5 for Project C.S. 289, which includes Surveys Nos. T-8305, T-8306, T-8293 and T-8294. The description of Main Radial Plot No. 5 follows.

Twenty-seven nine lens unmounted 1:20,000 photographs covered the area of this Main Radial Plot, as follows:

Nos. 12693 to 12694 Inc.
12696 to 12699 "
12701 to 12706 "
12854 to 12856 "
12896 to 12901 "
12902 to 12907 "

27 RADIAL PLOT: (Continued)

These photographs were prepared for radial plot purposes in the same manner as that described in the descriptive report for 1:20,000 Main Radial Plots for Section 3 (Part) and Section 4, of War Mapping Project No. C.S. 303, which was forwarded to the Washington Office Nov. 3, 1943.

Sufficient horizontal control was available to adequately control the orientation of the 1:20,000 photographs. Some of this control was recovered and identified by the Field Party responsible for the identification of horizontal control in Project C.S. 283, and the remainder was recovered and identified by the Field Party responsible for the identification of horizontal control for War Mapping Project C.S. 289.

The War Mapping Field Party responsible for the identification of horizontal control for Project C.S. 289, furnished the Compilation Office the "ACCURACY OF IDENTIFICATION REPORT, CLASSIFICATION OF HORIZONTAL CONTROL" for the area of Surveys Nos. T-8293, T-3306, T-8311, and T-8318, which is attached to this descriptive report. The "ACCURACY OF IDENTIFICATION CLASSIFICATION OF HORIZONTAL CONTROL" for the area of Surveys Nos. T-8294 and T-8305 is attached to the descriptive report of the Map Manuscript for Survey No. T-8304, which was forwarded to the Washington Office on May 5, 1944.

To supplement the above control the Compilation Office identified by office examination on the 1:20,000 photographs additional horizontal control of the U. S. Geological Survey, in the area of this Main Radial Plot. These were all traverse stations, mainly road intersections. None were monumented. These traverse stations could not be held during the radial plot with the U. S. Coast & Geodetic Survey horizontal control.

The Map Manuscript projections were prepared for radial plot purposes in the same manner as that described in the descriptive report for 1:20,000 Main Radial Plots for Section 3 (Part) and Section 4, of War Mapping Project No. C.S. 303, which was forwarded to the Washington Office on Nov. 3, 1943.

27 RADIAL PLOT: (Continued)

The radial plot was accomplished in the same manner as that described for Main Radial Plot No. 4, which was included in the descriptive report of Map Manuscript for Survey No. T-8318, Project C.S. 289, which was forwarded to the Washington Office on June 2, 1944.

During the running of this Main Radial Plot it was noted that U. S. Geological Survey horizontal control station P.T.S. No. 2, 1918C, Newport News, Va. 15 minute quadrangle, could not be held. This station was recovered and positively identified by the War Mapping Field Party.

Good intersections were obtained on all secondary control points and it is believed that a satisfactory radial plot has been accomplished.

28 DETAILING:

The field inspection data furnished the Compilation Office for this Map Manuscript, ^{was} were satisfactory. Most of these data were shown on 1:20,000 nine lens field photographs. A small amount was shown on 9" X 9" single lens photographs, scale 1:20,000. The Field Party also furnished on tracing paper, drawings to a scale of 1:20,000, of the Lake Burnt Hills Area. Plans were also furnished for Lake Prince and Cahoon Pond.

All detailing was accomplished in accordance with the field inspection data and careful interpretation of the nine lens office photographs.

Streams wide enough to show both shores with clarity have been shown in black acid ink. Those too narrow to detail both shores have been shown with a single line in blue acid ink, using the conventional symbol for either intermittent or

28 DETAILING: (Continued)

perennial streams, whichever the case might be.

The Field Party had identified a set of common points to tie the data shown on the paper tracings of the Lake Burnt Mills area, to the photographs. These common points were radially plotted. The paper tracings were then oriented directly under the radially plotted points and the perimeter of the lake, the boundary line of the area and the portion of 40 ft. contour around the lake that was not shown on the field photographs, were transferred to the Map Manuscript.

The boundary of Cohoon Pond could not be detailed as the data on the plan furnished by the Field Party and the field inspection data on the field photographs could not be coordinated.

According to the field report, the city owned land around Lake Prince is uncertain and the boundary need not be shown.

The data furnished for the Nansemond County, Isle of Wight County boundary line was very indefinite and could not be plotted with any degree of accuracy on the Map Manuscript. It has been shown on the discrepancy overlay.

The shore line of these two lakes were compiled from the photographs. The level of Lake Prince was about 5 feet below the dam spillway elevation when the photo was taken.

see field ed. report.

All detail has been shown with the conventional symbols recommended by the Washington Office, unless otherwise noted.

29 SUPPLEMENTAL DATA:

- 1 envelope containing 9 paper tracings of the Burnt Mills area, Scale 1:20,000
- 1 blueprint property map of Cahoon Valley, Scale 1 in. equals 600 ft.
- 1 whiteprint boundary map Lake Cahoon, Scale 1 in. equals 600 ft.
- 1 grid (Used by Field Party for reducing Burnt Mills area Maps)

29 SUPPLEMENTAL DATA: (Continued)

- 10 whiteprints of Lake Burnt Hills area,
Scale 1 in. equals 200 ft.
- 6 whiteprints Lake Prince area,
Scale 1 in. equals 200 ft.
- 5 blueprints track maps Norfolk and Western R.R.,
Scale 1 in. equals 200 ft.

All of the above plans were furnished the Compilation Office by the Field Party.

There are no previous surveys made by the U. S. Coast & Geodetic Survey covering the area of this Map Manuscript.

30 MEAN HIGH-WATER LINE:

Not applicable.

31 LOW-WATER AND SHAL LINES:

Not applicable.

32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE:

Not applicable.

33 PIERS AND SHORELINE STRUCTURES:

Not applicable.

34 LANDMARKS AND AIDS TO NAVIGATION:

There are no landmarks or fixed aids to navigation within the limits of this Map Manuscript.

35 HYDROGRAPHIC CONTROL:

Not applicable.

36 LANDING FIELDS AND AERONAUTICAL AIDS:

There are no landing fields or recommended aeronautical

36 LANDING FIELDS AND AERONAUTICAL AIDS: (Continued)

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 a few notes deemed likely to be of assistance during any future field edit. The Pamunkey County - Isle of Wight County Line is shown. A set of general notes is included to aid in the interpretation of symbols shown on the Map Manuscript.

*Items taken care of
by field edit party.*

38 GEOGRAPHIC NAMES:

The results of a geographic names investigation were furnished 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 geographic names is attached to this descriptive report.

39 HORIZONTAL ACCURACY:

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

*Test in special
reports file of review
section.*

40 RECOMMENDATIONS FOR FUTURE SURVEYS:

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

41 REMARKS:

The description, as furnished in the field report, adequately describes the area of this Map Manuscript.

42 JUNCTIONS:

A satisfactory and complete junction has been made with the following:

42 JUNCTIONS: (Continued)

To the West with Map Manuscript for Survey No. T-8292
To the North with Map Manuscript for Survey No. T-8306
To the East with Map Manuscript for Survey No. T-8294

To the South no contemporary survey is available to
the Compilation Office for junction purposes.

43 RECOVERABLE TOPOGRAPHIC STATIONS:

Form 524 is being submitted for each of six bench
marks, one azimuth reference monument, and one station,
namely:

NEG, 1944.

44 COMPARISON WITH EXISTING TOPOGRAPHIC SURVEYS:

Due to scale difference, only a visual comparison
could conveniently be made with the U. S. Geological
Survey Smithfield, Va. 15 minute quadrangle. Many
man made changes are evident. Common planimetric features
seen to be in fair agreement.

45 COMPARISON WITH NAUTICAL CHARTS:

There are no nautical charts covering the area of
this Map Manuscript.

Respectfully submitted:
June 6, 1944

Marcia Whitmore
Marcia Whitmore
Asst. Engineering Draftsman

Map Manuscript, Discrepancy
Overlay and Descriptive Report
Reviewed by:

Henry P. Eichert
Henry P. Eichert
Jr. 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 9, 1944

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

GEOGRAPHIC NAMES

Undisputed

- ✓Branch and Joyner Millpond
- ✓Burnt Mill Road
- ✓Burnt Mill Run
- ✓Carbell Swamp
- ✓Cohoon Creek
- ✓Cohoon Pond
- ✓Courthouse Road
- ✓Eley Swamp
- ✓Ellis Wharf
- ✓Ennis Pond
- ✓Exchange
- ✓Exchange Creek
- ✓Exchange Road
- ✓Exit
- ✓Five Forks
- ✓Forks Road
- ✓Gay Road
- ✓Holly Grove Church
- ✓Indika

- ✓Isle of Wight Co.
- ✓Jones Grove Church
- ✓Line Pine School
- ✓Milners Neck
- ✓Murphys Millpond
- ✓Myrtle
- ✓Myrtle Road
- ✓Myrtle School
- ✓Nansemond Co.
- ✓Norfolk and Western (R.R.)
- ✓Nuby Bridge
- ✓Nuby Bridge Pond
- ✓Nuby Run
- ✓Prudens Millpond — *stet*
- ✓Scruggs Pond
- ✓String of Logs Pocason
- ✓~~Tram Road~~
- ✓Western Branch (Nansemond River)
- ✓Windsor
- ✓Windsor Road

GEOGRAPHIC NAMES

Recommended

~~Cook Swamp~~

✓ Everett

✓ Lake Prince

Disputed

Great Swamp

(Everitts

(Everett Bridge

(Ennis Mill Run

(Exchange Pond

FIELD EDIT REPORT
TO ACCOMPANY
QUADRANGLE T-8293
PROJECT CS-289 B (South)
F. L. Gallen Chief of Party

5. The designation and elevation of each bench mark appearing on the map manuscript have been checked and verified. Two bench marks U 27 and V 27 that did not appear on the map manuscript have been added by the field edit party.
14. Unclassified roads appearing on the map manuscript were classified in accordance with instructions for road classifications.
15. All bridges were classified in accordance with instructions for bridge classifications.
16. All buildings added by the field edit party were classified.
17. The boundary line between Nansemond and Isle of Wight Counties was placed on the ozalid print of the map manuscript by data obtained from the U.S.G.S Smithfield, Virginia, quadrangle and from the County Maps published by the Virginia State Highway Department at a scale of 1 mile to the inch. No surveys are available and existing maps are source material.

In 1917 the U.S.G.S. located a County Line monument by traverse and the boundary line shown on the U.S.G.S. quadrangle shows a slight bend at this point, both segments being straight lines. This monument could not be located in 1943 but the position was plotted on the ozalid print and used as one point on the boundary. To the southwest the boundary line as shown is a mean of points transferred from the maps mentioned above. To the northeast the boundary line passes through the house which is immediately east of State Highway No. 32 in quadrangle T-8305.

The Nansemond-Isle of Wight County boundary as shown on quadrangles Nos. T-8294 and T-8305 will have to be changed to agree with the boundary line as shown on this quadrangle. At the west edge of T-8294 the line begins at Latitude 36-50 - 1510 meters and leaves the north edge of the quadrangle at Longitude 76-35 - 395 meters. At the south edge of T-8305 the line begins at the Longitude given above and continues northeast through the point Latitude 36-54 - 390 meters, Longitude 76-33-00.0. *Co line on T-8294 & T-8305 changed to agree with Co line on this quad.*

18. Many small ponds, the names of which appear on the map manuscript, are now part of Lake Burnt Mills. It is not believed necessary to carry these names on the completed map.

46. The field edit was accomplished by visual inspection in the field. All notes were made on an ozalid print of the map manuscript and were transferred to a duplicate ozalid print, the various field edit notes have been inked on the ozalid print using the following color scheme:

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

47. The detail as compiled on this sheet was complete and adequate with few additions or deletions necessary.
48. One test was made to determine the accuracy of contours in this quadrangle. A photograph used for fly-leveling was used to recontour a small area. 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 taking a tracing of the contours from the contour photograph and placing it over the accuracy traverse.

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

The horizontal accuracy test which was run in this quadrangle will be scaled in the Washington Office. *Has been scaled. See Spec's report file in review section for this test, within allowable limits.*

49. Junctions were made with quadrangle T-8392 on the west, T-8306 on the north, T-8294 on the east. There is no contemporary survey to the south.

Submitted by:

Louis Levin
Louis Levin
Sr. Photo. Aid

Approved and forwarded by:

F. L. Gallen
F. L. Gallen
Chief of Party

HORIZONTAL ACCURACY TEST
PROJECT CS 229 B (South) TRAVERSE LINE NO. 8
QUADRANGLES NOS. T-8293 & T-8306

This test consists of a traverse between triangulation stations EVERETT, 1944 and CENTRAL HILL, 1944. The traverse is 9.5 statute miles long and the closing error is 0.87 meter or 1 part in 17,600. The closing error was adjusted through the traverse. 18 testpoints were computed. In the tabulation the geodetic position from the traverse computations is referred to as T. No. and the scaled position from the map manuscript is referred to as M. No. The "direction of displacement" refers to the direction of the scaled position from the geodetic position.

Test points Nos. 1 to 9 are in quadrangle T-8293, and points Nos. 10 to 18 are in quadrangle T-8306.

TABULATION OF TEST POINTS

Description of point	Test Point Number	Latitude	Longitude	Displacement in mm	Direction of displacement.
X-road Int.	T-1 M-1	36-49+1461.1	76-38+1370.8	.42	W
T-road Int.	T-2 M-2	36-50+15.4	76-39+235.7	Not compiled	
T-road Int.	T-3 M-3	36-50+556.9	76-39+846.9	Not compiled	
X-road Int.	T-4 M-4	36-50+1222.0	76-39+1016.1	.01	E
Center of road	T-5 M-5	36-51+240.1	76-39+1330.6	.13*	E
Center of road	T-6 M-6	36-51+693.6	76-40+308.7	Not compiled	
T-road Int.	T-7 M-7	36-51+912.7	76-40+1129.4	.35	NW
Y-road Int.	T-8 M-8	36-52+97.4	76-40+933.8	.78**	NW
T-road Int.	T-9 M-9	36-52+724.3	76-40+1429.0	.05*	E

* The two points were not compiled. However the road runs almost due north and south at these two points so that the displacement in one direction could be measured.

** This point could hardly be called well-defined. After investigating and correcting the compilation, the displacement was found to be only .35 mm in a northerly direction. J. Riden 6/29/44

Description of point	Test Point Number	Latitude	Longitude	Displacement in mm	Direction of displacement.
Center of road and bridge	T-10 M-10	36-52+1189.0	76-40+1475.6	1.53 <i>Corrected on manuscript</i>	S.E. *
Center of road	T-11 M-11	36-52+1556.9	76-41+190.6	.21	NW
T-road Int.	T-12 M-12	36-53+510.0	76-41+1251.7	.39	SW
T-road Int.	T-13 M-13	36-53+780.7	76-42+470.1	.30	SW
T-road Int.	T-14 M-14	36-53+1403.9	76-42+795.6	.22	SW
T-road Int.	T-15 M-15	36-54+604.3	76-42+1027.1	.55 <i>Corrected on manuscript</i>	SW
T-road Int.	T-16 M-16	36-54+189.2	76-42+1413.3	.20	SW
T-road Int.	T-17 M-17	36-54+587.7	76-43+952.6	.21	SW
T-road Int.	T-18 M-18	36-54+1263.7	76-44+861.4	.19	SW

Submitted by

G. R. Fish
Lieut. Comdr., U.S.C. & G.S.

Approved and forwarded by

F.L. Gallen
Chief of Party

* Error in detailing
bridge position. Also
error in copying
computation.

K. M. Maki

T-8293

1

Remarks

Decisions

1		VSCB
2		
3		
4		
5		
6		
7		
8		Railway Guide
9		Road Maps
10		
11		367761
12		367766
13		"
14		"
15		"
16		"
17		"
18		"
19		367767
20		"
21		"
22		"
23		368767
24		"
25		"
26		"
27		"
M 234		

GEOGRAPHIC NAMES

Survey No. T-8293

WINDSOR quadrangle

1 Name on Survey

	A	B	C	D	E	F	G	H	K	
✓ Virginia										1
✓ Nansemond County										2
Chickatauk (district)										3
✓ Isle of Wight County										4
Newport										5
Windsor										6
✓ Hardy										7
✓ Norfolk and Western RY										8
✓ U.S. No. 460										9
✓ State No. 258										10
✓ Kings Fork										11
✓ Cahoon Pond										12
✓ Eley Swamp										13
✓ Cahoon Creek										14
✓ Providence Methodist Church										15
✓ Windsor Road										16
Myrtle										17
✓ Myrtle Road										18
✓ Scruggs Pond										19
✓ Greshen School										20
✓ Western Branch Church										21
✓ Gay Road										22
✓ Windsor										23
Windsor High School										24
Windsor Grade School										25
✓ Forks Road										26
✓ Burnt Mill Run										27

T-8293

Remarks.

² Decisions

1		368767
2		"
3		368766
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		367765
25		368766
26		
27		

GEOGRAPHIC NAMES

Survey No.

T-8293

2	Name on Survey	A	B	C	D	E	F	G	H	K	
✓	<u>String of Logs Pocoson</u>										1
✓	<u>Courthouse Road</u>										2
✓	<u>Woodland Church</u>										3
✓	<u>Holly Grove School</u> church (School on F. edit sheet)										4
✓	<u>Nuby Bridge</u>										5
✓	<u>Nuby Bridge Pond</u>										6
✓	<u>Nuby Run</u>										7
✓	<u>Jones Grove School</u> church										8
✓	<u>Murphys Millpond</u>										9
✓	<u>Branch and Joyner Pond</u> Millpond										10
✓	<u>Carbell Swamp</u>										11
✓	<u>Five Forks</u>										12
✓	<u>Ennis Pond</u>										13
✓	<u>Indika</u>										14
✓	<u>Exit</u>										15
✓	<u>Exchange</u>										16
✓	<u>Exchange Road</u>										17
✓	<u>Lake Prince</u>										18
✓	<u>Ellis Wharf</u>										19
✓	<u>Milners Neck</u>										20
✓	<u>Exchange School</u>										21
✓	<u>Lake Burnt Mills</u>										22
✓	<u>Everett</u>										23
✓	<u>Western Branch</u>										24
✓	<u>Prudens Millpond</u>										25
											26
											27

Names underlined in red approved
by L. Heck on 8/15/44

M 234

Names underlined in red approved
by L. Heck 8/15/44

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-8293

WINDSOR 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 quadrangle and found to be satisfactory. The report of this test is enclosed in this Descriptive Report.

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

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.

There are no previous topographic surveys in this area.

Comparison with Nautical Charts Nos.

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:

This is an inland sheet.

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 June 29, 1944 By Jack. Pihini
under direction of D. H. Benson (per D.M.)

Inspected by B. G. Jones B.G. Jones 6/46

Examined and approved:

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

~~Chief, Topography Section~~

Robert W. Knox
Chief, Div. of Charts
Nautical Chart Branch
Raymond H. Egan
Chief, Div. of Coastal
Surveys