

8142

214200

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey <u>Air Photographic Topographic</u>	
Field No. <u>43</u>	Office No. <u>T-8142</u>
LOCALITY	
State <u>Maryland & Virginia</u>	
General locality <u>Chesapeake Bay (Western Shore)</u>	
Locality <u>Potomac River</u>	
<u>1943</u>	
CHIEF OF PARTY F. L. Gallen Fred. L. Peacock	
LIBRARY & ARCHIVES	
DATE <u>January 20, 1945</u>	

DATA RECORD

T-8242

Quadrangle (II):

Project No. (II):

Wakefield 7 $\frac{1}{2}$ ' Quadrangle

Wakefield 15' Quadrangle

Field Office:

CS-278-A

Chief of Party:

War Mapping Field Party No. 1

Wm. D. Patterson

Compilation Office:

F. L. Gallen

Chief of Party:

Baltimore Field Office

Fred. L. Peacock

Instructions dated (II III):

~~Copy filed in Descriptive~~

March 4, 27; June 5, 24; 1942

~~Report No. T- (VI)~~

August 13, 27; Sept. 3, 4; 1942

Completed survey received in office: 2/26/43

Reported to Nautical Chart Section: 2/43

Reviewed: 5/15/43

Applied to chart No.

Date:

Redrafting Completed: 9/4/43

Registered: 1/18/45

Published: 2/14/44

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): Church "B" 1932

Lat.: 38° 12' 31,000" (955.8m) Long.: 76° 57' 11,121" (270.6m) Adjusted

~~UNCLASSIFIED~~

State Plane Coordinates (VI):

Virginia, north zone

X = 2,444,476.24 ft.

Y = 201,097.83 ft.

Military Grid Zone (VI) A and B

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
<u>Nine Lens</u>				
8850 - 8854	4/15/42	12:17p.m.-12:23p.m.	1:20,000	1.1' above M. L. W.
8865 - 8869	4/15/42	12:37p.m.-12:44p.m.	1:20,000	1.3' above M. L. W.
8875 - 8878	4/15/42	12:54p.m.-12:58p.m.	1:20,000	1.4' above M. L. W.
<u>Single Lens</u>				
FG104-46 to 55 Incl.	4/1/37	Unknown	1:20,000	Unknown
FG104-63 to 69 Incl.	4/1/37	Unknown	1:20,000	Unknown
FG109-60 to 68 Incl.	4/17/37	Unknown	1:20,000	Unknown

Tide from (III): Tables of predicted tides; Reference station Washington, D.C.
with time correction to Colonial Beach, Va.

Mean Range: 1.6' Spring Range: 1.8'

Camera: (Kind or source) U. S. Coast & Geodetic nine lens camera
(focal length 8 1/4")

Hor. Control: G. B. Wood	May-June, 1942
Field Inspection by: Shoreline: C. O. Rector	date: August, 1942
War Mapping Field Cultural Features: G. B. Wood	July-Nov. 1942
Party No. 1 J. N. Henningsen, S. C. Dionisio	
Field Edit by: Louis Levin Photo Aid	date: April 1943

Date of Mean High-Water Line Location (III):

Date as given above for the nine lens photographs.

Projection and Grids ruled by (III) Washington Office date: 9/9/42

" " " checked by: Washington Office date: 9/9/42

Control plotted by: Harry L. Spaulding date: 9/24/42

Control checked by: George O. Fellers date: 9/24/42

Radial Plot by: Joseph Steinberg & J. Edward Deal, Jr. date: 10/9-13/42

Detailed by: Edward C. Jastremski date: 11/1/42-1/8/43
Contours by: Albert C. Rauck, Jr. 2/19-23/43

Reviewed in compilation office by: Henry P. Eichert date: 2/4/43

Elevations on Field Edit Sheet
checked by: Louis Levin Photo Aid date: April 1943

STATISTICS (III)

Land Area (Sq. Statute Miles): 45

Shoreline (More than 200 meters to opposite shore): 20 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 3 Statute Miles

Number of Recoverable Topographic Stations established:

16

Number of Temporary Hydrographic Stations located by radial plot:

6 Stations

Leveling (to control contours) ^{Statute} -/miles: 29.5

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: Contours by: G. B. Wood, J. N. Henningsen, July-Nov. 1942

FIELD INSPECTION REPORT
QUADRANGLE T-8142
F. L. Gallen, Chief of Party
Project CS-278-A

1. DESCRIPTION OF AREA - The Potomac River cuts across the north-east corner of this quadrangle and small tidal streams extend back a short distance from the river. All of the above streams have a small bluff along the shoreline varying from a few feet to slightly more than 20 feet in height, except at the east edge of the quadrangle where the bluff along the Potomac River is approximately 150 feet in height. In the northwestern part of the quadrangle the land is relatively flat and grades upward to the southeast to rolling hills and an upland with flat-topped hills and steep-sided stream valleys. See the report for T-8114 for the shape of these valleys. Near the south edge of the quadrangle the drainage changes from the Potomac River and flows south to the Rappahannock River.

There are large areas of cleared land along the Potomac River but only small, scattered clearings elsewhere, and the remainder of the area is covered with a moderate to heavy growth of pine and deciduous trees with a relatively heavy undergrowth.

2. Same as T-8114

3. INTERPRETATION OF THE PHOTOGRAPHS - The photographs are typical for this area. The relatively dark areas in stream bottoms are usually heavily or densely wooded with deciduous trees and brush, while the lighter areas in the same position are usually less densely wooded. Frequently the trees in stream bottoms are covered with vines and this tends to give a darker color to the area.

4. and 5. Same as T-8148.

6. CONTOURS AND DRAINAGE - Same as T-8148.

The drainage for this quadrangle was drawn in under a stereoscope, and assistance was derived from vegetation tones and densities. The drainage lines were frequently checked by planetable traverse, vegetation lines, and lastly by pacing to the drainage from a known point. It is believed that the positions of all streams are within the allowable limit for features of this class. The positions of streams in the bottoms of wide, flat, heavily wooded draws was frequently checked so as to insure the accuracy of the drainage shown.

In the northeastern part of the quadrangle, on photograph 8868, it was necessary to work far from the center of a photograph due to insufficient overlap for contouring purposes when working in a steep country. The positions of the contours were adjusted to the photographic detail and the stereoscope positions of the streams.

No large vertical closures are represented on the photographs, whenever a large closure was encountered the error was corrected by re-running the line. The average closure was under 1.0 foot. The closure on water and marsh areas was always under 1.5 foot.

7. to 16. Same as for T-8148.

17. BOUNDARY MONUMENTS AND LINES - The boundary lines of the Westmoreland State Park and the George Washington Birthplace National Monument, and the Maryland-Virginia State Line will be added to the Map Manuscript. 111

18. GEOGRAPHIC NAMES - A report on Geographic Names has been submitted by A. J. Wraight. 111

Submitted by,

G. R. Fish

G. R. Fish,

Lieut. U. S. C. and G. S.

Approved and forwarded:

F. L. Gallen

F. L. Gallen,
Chief of Party.

26 Control:

There are seven triangulation stations and one reference mark that fall within the detailed limits of this map manuscript. In addition, there are four triangulation stations, one reference mark and one witness mark just beyond the detailed limits of this map manuscript.

Those stations within the detailed limits of this map manuscript are:

Church B, 1932
Colonial (Va.), 1929 (watertank)
Marchant, 1932
Sebastian, 1932
Wakefield Washington Monument (Va.), 1934
Boundary Monument No. 26 (Va.), 1929 & 1932
Boundary Monument No. 27 (Va.), 1929 & 1932
George R. M. No. 1, 1934

*U.S.G.S stations
also used:
T.T.S. # 14 W
T.T.S. # 15 W
T.T.S. # 16 W*

Those stations just beyond the detailed limits of this map manuscript are:

Admiral (Va.) 1918, 1924, 1929
Crain, 1918
Cuckold R. M. No. 1, 1929
Pumpkin Witness Mark 1929, & 1934
Boundary Monument No. 28 (Md. & Va.) 1929
Boundary Monument No. 29 (Md. & Va.)

27 Radial Plot:

The descriptive report of the radial plot for T-8142 which is described in Section I of the radial plot report for War Mapping Sub-Projects CS-278-A and CS-278-D has been previously submitted. *Filed in Photogrammetric Section*

28 Detailing:

The nine lens photographs were used to detail the major portion of this map manuscript. For reference, and in cases where the detail on the nine lens photographs was not clear, the 9" x 9" single lens photographs were found helpful.

The inspection submitted by the field party satisfactorily covers the area of this survey. Where inspection of the same area by two separate units of the field party was in disagreement, the discrepancies were noted on the discrepancy overlay.

The drainage as shown on the field inspection photographs was examined on the office photographs, stereoscopically. Wherever the results of this examination were in disagreement with the field inspection, contours have been adjusted to fit the drainage as interpreted at the compilation office.

29 Supplemental Data:

The area of this map manuscript is covered by previous surveys No. T-860, T-1106, T-1467 and T-2599. These surveys were not available to this compilation office.

29 Supplemental Data: (cont'd)

A town map of Colonial Beach, Va. (Drawn Sept. 1929, amended Feb., 1939) and a General Highway and Transportation Map, Westmoreland County, Va. (1939) have been submitted by the field party.

30 Mean High Water Line:

The mean high water line was detailed according to the field inspection. As an aid to the correct interpretation the shoreline was carefully examined stereoscopically.

31 Low Water and Shoal Lines:

There are no low water or shoal lines indicated by field inspection or visible on the office photographs.

32 Details Offshore from the High Water Line:

Piling was shown, according to the field inspection, offshore at Wirt Wharf. No other offshore details were discernible on the office photographs.

33 Wharves and Shoreline Structures:

All piers, wharves and docks indicated on the field inspection or visible on the office photographs were shown.

34 Landmarks and Aids to Navigation:

No landmarks or aids to navigation appear on this map manuscript.

The approximate location of two aids to navigation namely Sunken Island Lighted Beacon and Mattox Creek Light are indicated on the field inspection. No sextant fix or other accurate plotting data was submitted to the compilation office by the field party nor were these aids visible on the office photographs.

35 Hydrographic Control:

There are 11 Recoverable Topographic stations which fall within the limits of this map manuscript which may be useful for future hydrographic surveys:

Earl 2
Range 13, U.S.N.
Westmoreland State Park
Boundary Mark "C"
U.S.E.D. No. 169
Why
Station No. 17 (Bur. of Ordnance)
Station No. 21 (Bur. of Ordnance)
Bar
Bill
Hil
Mat

Also: T.T.S. # 17W (USGS). Not used for A as position is doubtful.

35 Hydrographic Control: (cont'd)

In addition five other recoverable topographic stations have been radially plotted.

Descriptions for all of the above recoverable topographic stations are being submitted on form No. 524.

Six temporary hydrographic stations have been selected and radially plotted to supplement the above 11 recoverable topographic stations. These are described on the discrepancy overlay.

Forms 524 were received for Colonial Beach Tidal B.M. 6 and for Granite Spire, Westmoreland County, Va. Colonial Beach Tidal B.M. 6 was not located during the radial plot as no picking card was received for this station. Granite Spire is also the Wakefield Washington Monument (Va.) 1934 triangulation station, the geographic position of which is known.

37 Geographic Names:

A list of geographic names, undisputed and disputed, as recorded on U. S. Geological Survey 15 min. Wakefield Va., Md. Quadrangle by the field inspection party, has been prepared to accompany this map manuscript.

38 Discrepancy Overlay:

A discrepancy overlay has been prepared to accompany this map manuscript. On it are noted discrepancies between field inspection submitted by separate units of the same field party, notes concerning correct interpretation and such comments as are deemed likely to be of assistance during the field edit. Also shown, for the use of the Baltimore Compilation office, are the names or numbers of all bench marks.

39 Horizontal Accuracy:

Horizontal accuracy of the location of well-defined and less well-defined points of detail is believed to be within the limits set forth in the instructions for Project GS-278, Paragraph 54, dated March 4, 1942.

Note USGS traverse horizontal accuracy test as included herein.

40 Recommendation for Future Survey:

The planimetric detail as presented on this map manuscript is believed to be complete but is subject to field edit for corrections, additions and deletions.

41 Junctions:

The following junctions have been made with Survey T-8142:

To the North: T-8144 - complete

To the East: T-8141 - complete

To the South: T-8143 - Planimetric detail only

41 Junctions: (cont'd)

A contemporary survey to the west of this map manuscript has been made by the Soil Conservation Service of the Department of Agriculture. A partial inspection of the junction has been made and it appears to be in fair to good agreement.

43 Remarks:

The report as submitted by the field party adequately describes the area covered by this map manuscript.

44 Comparison with Existing Topographic Quadrangles:

Because of scale difference, no accurate comparison could be made with the U. S. Geological Survey Quadrangle for this area. In general, the agreement is good.

45 Comparison with Nautical Charts:

On comparison, T-8142 was found to be in agreement with U.S.C.&G.S. Chart No. 558 except for the following:

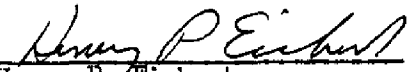
In the vicinity of Colonial Beach at Hog Point, Nigger Point, Dickson Point, Evans Island, Doctor Point and the cove between Trotts Point and Gum Bar Point, there are shown on Chart No. 558, a number of small marsh areas or fringes. On examination of the office photographs these areas appear as firm ground and are so shown on this map manuscript.

At Church Point, Chart No. 558 shows a marsh area which has been interpreted as a pond on this map manuscript.


The marsh at Bridges Creek, as shown on this map manuscript, extends farther inland than that shown on Chart No. 558.

On Mattox Creek, at Fox Point and High Point, marsh fringes shown on Chart No. 558 have been interpreted as firm ground.


Respectfully submitted,
February 25, 1943


Henry P. Eichert
Junior Photogrammetric Engineer

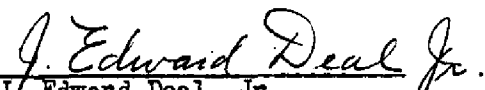
Map Manuscript & Discrepancy
Overlay reviewed by,


Henry P. Eichert
Junior Photogrammetric Engineer

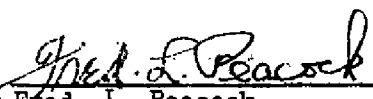
Compilation of Map Manuscript
Supervised by,


Joseph Steinberg
Asst. Photogrammetric Engineer

and


J. Edward Deal, Jr.
Asst. Photogrammetric Engineer

Approved & Forwarded:
February 25, 1943


Fred. L. Peacock
Officer-in-Charge
Baltimore Field Office

FIELD EDIT REPORT
T-8142

46. The field edit was done by visual inspection using the map manuscript in the field and transferring all additions, corrections and deletions to a smooth copy in the office.

The inking was done in accordance with the following scheme:

<u>Features</u>	<u>Colors</u>
Additions, bench marks, wye level elevations and crosses	Black
Deletions	Green
Contours	Brown
Drainage features	Blue
Civil boundaries	Violet

47. The position and amount of detail on the map manuscript is believed to be complete and accurate.

48. The horizontal accuracy test is the subject of a report by L. G. Chambers for Project 278-A.

The vertical accuracy test is the subject of a report by Lieut. G. R. Fish for Project 278-A.

17. Due to the controversial nature of the Maryland-Virginia boundary, the exact location was left to be determined in the Washington Office. |||

41. In checking the junction with T-8141 it was found that the contours were in error along the bank of the Potomac River. These contours were then relocated in the field and are now correctly shown on the map manuscript in brown ink.

Submitted by,

Louis Levin
Louis Levin,

Photogrammetric Aid.

Approved and forwarded:

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

Horizontal Accuracy Tests

Comparison of U.S.G.S. Transit Traverse Points with Plotted Positions
on U.S. Coast and Geodetic Survey Quadrangles
Project 278-A

Quad T-8142

Point	Lat.	G.P. m.	Plotted Position m.	Long.	G.P. m.	Plotted Position	Position Diff. in m.m.
10	38° 08'	246.4	248	76° 57'	815.8	813	18 mm NE
11	38° 08'	826.4	835	76° 57'	1421.5	1413	62 mm SE
12	38° 09'	216.4	212	76° 58'	1159.9	1154	38 mm E.S.E
13	38° 09'	621.9	616	76° 59'	530.1	532	32 mm S.S.W
14	38° 09'	1273.1	1269	76° 59'	1046.8	1046	21 mm S.S.E
15	38° 10'	908.1	900	76° 59'	1058.1	1055	42 mm S.S.E
16	38° 10'	1237.4	1241	76° 58'	851.1	864	68 mm W.N.W
17	38° 08'	1808.4	1806	76° 55'	119.5	110	51 mm E.S.E
T.T. Sta. No. 14-W	38° 07'	1106.3	1107	76° 58'	238.2	234 232	31 mm E.N.E
T.T. Sta. No. 15-W	38° 10'	1698.1	1701.3	76° 59'	1141.7	1142.2 1141	35 mm N.N.E
T.T. Sta. No. 16-W	38° 09'	1629.9	1635	76° 56'	729.1	723.8 722	42 mm NE
T.T. Sta. No. 17-W	38° 08'	1589.8	1592.7 1597	76° 53'	84.7	96.1 98	74 mm W.N.W

Note: PENCILED CORRECTIONS ARE
POSITIONS SCALED FROM ACETATE
AND RECORDED ON FORM 524

Computed by L.Y.C.
Checked by P.M.D.

~~TO BE CHARTED~~
~~TO BE DELETED~~ } STRIKE OUT ONE

LANDMARKS FOR CHAPTERS

AIDS TO NAVIGATION
 Colonial Beach, Va.
 April 14, 1943

I recommend that the following objects which have ~~have not~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing

H. L. Gallen	Chief of Party
--------------	----------------

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

826
UNITED STATES
DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

1943 AUG 25 AM 10:13
1943 AUG 25 AM

August 23, 1943

The Director
U. S. Coast and Geodetic Survey
Department of Commerce
Washington, D. C.

Re: No. 826-EJ

Dear Sir:

With reference to your letter of August 18, after due examination of our field work, we find that we will accept your work and match our sheet edge to yours. We will, therefore, not return your tracing and will assume that you will publish your map as originally shown.

Yours very truly,



Edw. W. Magruder
Acting Head, Map Control Section
Division of Cartography

LIST OF GEOGRAPHIC NAMES

Undisputed

- | | |
|--------------------------------|---------------------------|
| ✓ Baynesville | ✓ Mason Swamp |
| ✓ Blakes Point | ✓ Mattox Creek |
| ✓ Blenheim | ✓ Monroe Bay |
| ✓ Bridges Creek | ✓ Monroe Creek |
| ✓ Bridges Creek Ldg. | ✓ Monroe Hall |
| ✓ Broadview | ✓ Morris Run |
| ✓ Bundys Bridge | ✓ Morris Store |
| ✓ Bundys Swamp | ✓ Muses Beach |
| ✓ Burnt House Cove | ✓ New Richmond Hill |
| ✓ Burnt House Point | ✓ Nigger Point |
| ✓ Burnt House Point | ✓ Oak Grove |
| ✓ Canal Swamp | ✓ Perpertocks Creek |
| ✓ Cedar Hill | ✓ Popes Creek |
| ✓ Charles County | ✓ Popes Creek Ldg. |
| ✓ Church Point | ✓ Popes Creek Swamp |
| ✓ Colonial Beach | ✓ Potter Branch |
| ✓ Columbia Cove | ✓ Potomac Mills |
| ✓ Devils Reach | ✓ Potomac Mills Pond |
| ✓ Dickson Point | ✓ Potomac River |
| ✓ Digwood Swamp | ✓ Reel Point |
| ✓ Dixon Stop | ✓ Robins Grove Point |
| ✓ Doctor Point | ✓ Sebastian Point |
| ✓ Evans Island | ✓ Smith Landing |
| ✓ Flamstard Hill | ✓ Smith Mount Branch |
| ✓ Flamstard Hill Swamp | ✓ Smith Mount Hill |
| ✓ Flat Iron | ✓ Springfield |
| ✓ Fox Hall Swamp | ✓ Stave Landing |
| ✓ Fox Point | ✓ Tates Swamp |
| ✓ George Washington Birthplace | ✓ The Big Swamp |
| National Monument | ✓ The Sands |
| ✓ Grants Hill | ✓ Thomas Branch |
| ✓ Grants Hill Br. | ✓ Trotts Point |
| ✓ Great Island | ✓ Twiford |
| ✓ Gum Bar Point | ✓ Virginia |
| ✓ Haywood | ✓ Wakefield |
| ✓ High Point | ✓ Wakefield Corner |
| ✓ High Point | ✓ Wakefield National Park |
| ✓ Hog Point | ✓ Walnut Hill |
| ✓ Indiantown | ✓ Walnut Hill Run |
| ✓ Kettle Bottom Shoals | ✓ Ware Branch |
| ✓ Latanes | ✓ Waverly Branch |
| ✓ Laurel Grove | ✓ Waverly Hill |
| ✓ Longwood Swamp | ✓ Westmoreland County |
| ✓ Low Point | ✓ Whiteoak Swamp |
| ✓ Marriner Run | ✓ Winkedoodle Point |
| ✓ Maryland | ✓ Wirts Mill |
| ✓ Massey Wharf | ✓ Wirt Wharf |

Westmoreland State Park

LIST OF GEOGRAPHIC NAMES

Recommended

- ✓ Gravel Run
- ✓ Paynes Point (vst p)
- ✓ Pt. of Point
- ✓ Sheep Point
- ✓ Wirts Mill Pond

Disputed

- Cobbler Run
- Paine Point
- Gardner Pt.
- Low Point
- Kings Pond

It is requested by the Field Party, that Harts be deleted from the map manuscript.

T-8142

No. 1

Remarks

Decisions

1		982769
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		" USGB
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8142

New "Wakefield" quadrangle
No. 1 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	
✓ Colonial Beach ✓									1
✓ Gum Bar Point ✓									2
✓ Monroe Creek ✓									3
✓ Trotts Point ✓									4
✓ Robins Grove Point ✓									5
✓ Winkedoodle Point ✓									6
✓ High Point ✓		(in Monroe Creek)							7
✓ Hog Point ✓									8
✓ Stave Landing ✓									9
✓ Nigger Point ✓									10
✓ Dickson Point ✓									11
✓ Evans Island ✓									12
✓ Doctor Point ✓									13
✓ Sebastian Point ✓									14
✓ Monroe Bay ✓									15
✓ Paynes Point ✓									16
✓ Mattox Creek ✓									17
✓ Massey Wharf ✓									18
✓ Columbia Cove ✓									19
✓ Burnt House Cove ✓									20
✓ Burnt House Point ✓		(in Mattox Creek)							21
✓ Devils Reach ✓									22
✓ Low Point ✓									23
✓ High Point ✓		(in Mattox Creek)							24
✓ Wirts Mill ✓									25
✓ Fox Point ✓									26
✓ Hirt Wharf ✓									27

T-8142

No. 2
Decisions

Remarks

1		382769
2		"
3		"
4		" USGB
5		"
6		"
7		"
8		"
9		"
10		381769 USGB
11		"
12		" USGB
13		"
14		"
15		"
16		"
17		"
18		"
19		" USGB
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8142

No..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	
✓ Sheep Point ✓	✓								1
✓ Church Point ✓	✓								2
✓ Haywood ✓	✓								3
✓ Bridges Creek ✓	✓								4
✓ Bridges Creek Landing ✓	✓								5
✓ Monroe Hall ✓	✓								6
✓ Whiteoak Swamp ✓	✓								7
✓ Springfield ✓	✓								8
Kettle Bottom Shoals	X								9
✓ Digwood Swamp ✓	✓								10
✓ Longwood Swamp ✓	✓								11
✓ Popes Creek ✓	✓								12
✓ Popes Creek Landing ✓	✓								13
✓ Wakefield ✓	✓								14
✓ Wakefield National Park ✓	✓								15
✓ Indiantown ✓	✓								16
✓ George Washington Birthplace National Monument ✓	✓								17
✓ Great Island ✓	✓								18
✓ Blake Point ✓	✓								19
✓ Burnt House Point ✓ (in Popes Creek)	✓								20
✓ Popes Creek Swamp ✓	✓								21
✓ Elenheim ✓	✓								22
✓ Wakefield Corner ✓	✓								23
✓ Gravel Run ✓	✓								24
✓ Latanes ✓	✓								25
✓ Oak Grove ✓	✓								26
✓ Laurel Grove ✓	✓								27

T-8142

No. 3

Remarks

Decisions

1	<i>Not shown</i>	381769
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8142

No. 3
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	
✓ Wirts Millpond ✓									1
✓ Potomac Mills ✓									2
✓ Potomac Mills Pond ✓									3
✓ Morris Store ✓									4
✓ George Washington School ✓	(not in Names Report but on 1932 "Wakefield")								5
✓ Popes Creek Church ✓		"		"			"		6
✓ Grants Hill Church ✓		"		"			"		7
✓ New Richmond Hill ✓									8
✓ Smith Mount Hill ✓									9
✓ Cedar Hill ✓									10
✓ Twiford ✓									11
✓ Walnut Hill ✓									12
✓ Perpertocks Creek ✓		(only upper part on this quad.)							13
✓ Walnut Hill Run ✓									14
✓ Bundys Swamp ✓									15
✓ Bundys Bridge ✓									16
✓ Fox Hall Swamp ✓									17
✓ Grants Hill ✓									18
✓ Grants Hill Branch ✓									19
✓ Ware Branch ✓									20
✓ Tates Swamp ✓									21
✓ Flamstard Hill ✓									22
✓ Flamstard Hill Swamp ✓									23
✓ Morris Run ✓									24
✓ Flat Iron ✓		(small village)							25
✓ Smith Landing ✓									26
✓ Dixon Stop ✓									27

T-8142

No. 4

Remarks

Decisions

1		381769
2		"
3		"
4		"
5		"
6		"
7		"
8		381768
9		"
10		"
11		"
12		"
13		"
14		"
15		380768
16		"
17		382769
18		USGB
19		
20		
21		
22		
23		
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-8142

No. 4

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	
Pt. of Point ✓									1
Canal Swamp ✓									2
Thomas Branch ✓									3
Reel Point ✓									4
Smith Mount Branch ✓		(only in part on this quad.)							5
Waverly Branch ✓		"							6
Waverly Hill ✓		"							7
Muses Beach ✓									8
Mason Swamp ✓									9
Broadview ✓									10
Potter Branch ✓									11
The Sands ✓									12
Westmoreland State Park ✓									13
Baynesville ✓									14
The Big Swamp ✓									15
Marriner Run ✓									16
Sunken Island Light ✓			not shown						17
Potomac River ✓									18
Charles County ✓									19
Westmoreland County ✓									20
State highway numbers should be checked with latest county road map; there are some numbers, for example, on the 1942 Texaco Road Map which are either missing from the compilation or else are different. Texaco agrees for Nos. 3 and 204, but it has 25, 205, 347 and 214, and does not have the numerous other numbers shown.									21
									22
									23
									24
Names underlined in red approved									25
by L. Heck on 6/11/43									26
									27

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.

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.

Descriptive Report.

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.

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.

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

This quadrangle, together with similar adjoining maps produced under Project C.S.278-A 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. This photography was supplemented by the use of single-lens photographs. 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.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T- 8142

WAKEFIELD 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 Refer to page 10 of this report for the closest horizontal accuracy test over this area. This test proved satisfactory.

The vertical accuracy test for this quadrangle was performed on field photograph 8867. The results of this test proved the field work to be adequate.

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-2599	1902	1:20,000	
T-1467	1879	1:20,000	
T-1106	1868	1:20,000	
T-860	1852	1:20,000	
"Wakefield"	1930	1:62,500	U.S.G.S.

Comparison with Nautical Charts Nos. 558

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:

Only small differences in shoreline were apparent.

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

Corrections of a minor nature only were necessary on this map manuscript.

Reviewed 5/15/43 By Peter Kerr
under direction of D. H. Benson D. H. Benson

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

Examined and approved:

Robert W. Knapp
Chief, Surveys Branch

K. T. Adams
Chief, Topography Section

J. B. Dorden
Chief, Div. of Charts

G. F. Rude
Chief, Div. of Coastal
Surveys