Original

8239

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey: Air Photographic Topographic

Field No. ..... Office No. T-8239

LOCALITY

State: Maryland

General locality: Charles County

Locality: La Plata

1944

CHIEF OF PARTY
R.L. Schoppe
Fred. L. Peacock

LIBRARY & ARCHIVES

DATE: May 27, 1946

B-1870-1 (1)++

Diag 77-4

8239

Form T-1

DATA RECORD

T- 8239

Quadrangle (II): 7½ minute

Project No. (II): CS 288 C

Field Office:
WAR MAPPING FIELD PARTY NO. 2

Chief of Party: Ray L. Schoppe

Compilation Office:
Baltimore, Maryland

Chief of Party: Fred. L. Peacock

Instructions dated (II III):
August 3, 1942 and
May 13, 1943

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

Completed survey received in office: 5/9/44

Reported to Nautical Chart Section: 5/10/44

Reviewed: June 2, 1944 Applied to chart No. Date:

Redrafting Completed: July 19, 1944

Registered: 5/46

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): GUTRIDGE 1943

Lat.: 38° 35' 06.849"(211.2m) Long.: 76° 56' 47.698"(1154.4m) Adjusted ~~Unadjusted~~

State Plane Coordinates (VI):

X = Y =

Military Grid Zone (VI) "A" with "B" overlapping on west.

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
13215 to 13218 Inc.	1/12/43	11:50 a.m.	1:20,000	There are no tidal waters within the limits of this Map Manuscript
13231 to 13234 Inc.	1/12/43	12:20 p.m.	1:20,000	

Tide from (III): None

Mean Range: None Spring Range: None

Camera: (Kind or source) U. S. Coast and Geodetic Survey nine lens camera (focal length 8¼")

Contouring and Field Inspection by: G.H.Wood, Jr. Topo. Engr.
H.W.Burgoyne, Jr. Topo. Engr. date: Feb-Mar.1944
H.R.Cravat, " " "
R.E.Houtrouw, Sr. Photo. Aid
E.R.Loudon, Photo. Aid

Field Edit by: date:

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

Projection and Grids ruled by (III) J.T.B. - P.J.H. date: 12/14/43

" " " checked by: B.R.C. - D.H.B. date: 12/15/43

Control plotted by: A. C. Rauck, Jr. date: 1/6/44

Control checked by: N. Hallock date: 1/7/44

Radial Plot by: Joseph Steinberg & J. Edward Deal, Jr. date: 2/19 to 2/22/44

Detailed by: Florence M. Hammond date: 4/1/44 to 5/8/44

Reviewed in compilation office by: Michael G. Misulia date: 5/4/44 to 5/8/44

Elevations on field photographs checked by: E. Bancroft, Jr.Topo.Engr. Feb. 1944

Elevations on Field Edit Sheet checked by: date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 58

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

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

Number of Recoverable Topographic Stations established: 13
(1 recoverable topographic station, 10 bench marks, and 2 azimuth reference monuments)

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles: 75

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.288C, 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, driveways, 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 "blueline" 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.

FIELD INSPECTION REPORT

Quadrangle 8239

1. Description of the Area:

Quadrangle 8239 is a seven and one-half ($7\frac{1}{2}$) minute quadrangle bounded as follows: On the North the 38° 37' 30" parallel, on the South the 38° 30' 00" parallel, on the West the 77° 00' 00" meridian, and on the East the 76° 22' 30" meridian.

The North central portion of quadrangle 8239 is a comparatively broad flat plain attaining an average elevation of 200 feet above mean sea level. Isolated ridges were found to be 219 feet above mean sea level, but rarely making the 220 foot contour.

The drainage pattern extended for the most part in a Southerly direction, draining into Zekiah Swamp in the Southeastern portion of the quadrangle and draining towards the Potomac River in the Southwestern portion of the quadrangle. The 40 foot contour was found around Zekiah Swamp.

The wooded sections comprised about 35 per cent of the quadrangle, with heavy stands of second growth pine located in the Northern and Eastern portions of quadrangle 8239.

2. Completeness of Field Inspection:

All field inspection for the clarification of details on the photograph and identification of features, such as, roads, buildings, boundaries, etc. has been done.

All roads and new buildings at the Army Radio Station about 2.6 miles Northeast of La Plata, Md. have been located by plane table methods on photograph 13216

The work left for the Field Edit Survey is to check:

1. Existing classification of roads, buildings, etc.

3. Interpretation of the Photographs:

In most cases, the coniferous trees (pines) appearing in the darker tone were found to follow a ridge and the deciduous trees appearing in the lighter tone were found in the stream bottoms. In flat areas, however, a dense stand of pine, when viewed under the stereoscope, oftentimes appears as a ridge, which is actually not the case, the darker tone making it appear so.

4. Horizontal Control:

Horizontal Control stations were recovered by Wendell Bever and Emory Bancroft, Jr. Topo. Engrs. No control stations, other than U. S. C. & G. Survey triangulation stations were encountered in this quadrangle. These are shown on nine lens photographs 13215, 13217 and 13233.

Herbert W. Burgoyne, Jr. Topo. Engr. recovered as additional topographic station in the form of a 250 ft. steel tower, located at the Army Radio Station 2.6 miles Northeast of La Plata, Maryland. It is respectfully requested that the compilation office radially cut this station in, scaling off its geodetic position and entering it on form 524, which is being submitted.

5. Vertical Control:

All U. S. Coast and Geodetic Survey and Geological Survey Bench Marks were recovered or searched for by Wendell Bever and Emory Bancroft, Jr. Topo. Engrs., and are shown on nine lens photographs: 13216, 13217, and 13232.

Emory Bancroft, Jr. Topo. Engr. ran supplemental fly levels with a wye level to provide additional vertical control. No stations were monumented, but elevations were located at prominent intersections, hedge lines, etc. on the photograph. They are shown on nine lens photographs: 13215, 13216, 13217, 13218, 13232 and 13233.

All levels were closed within one-half foot of error, all closures being adjusted throughout the line. Seventy-five miles of levels were run in quadrangle 8239.

6. Contours and Drainage:

The contouring was done on the following nine lens photographs: 13215, 13216, 13217, 13218, 13219, 13231, 13232 and 13233 (2 photographs). Drainage was put on level photograph 13233 with a stereoscope and checked in the field.

All contouring was confined to the blocked in area laid out by the Washington Office except in cases where a natural boundary was nearby. On photograph 13233, a small strip was worked South of the blocked in area.

The work was confined to the blocked in area in order to keep the contouring as close to the center chamber as possible, thereby avoiding distortion and large changes of scale. All the contouring on the photographs was made to junction with the contouring done on adjoining photographs.

The field work was done with a four man plane table party. Elevations were carried by direct levels, vertical angles, and the step method; the error of closure usually being under one foot, with no error of closure over two feet. Wherever possible, cuts were taken on fence corners and other discernable objects to hasten progress.

All drainage was put on by the Washington Office. The main drains were checked by plane table traverse, and in most cases were found to be in their true positions. When wrong, the drains were deleted in green ink and the correct position shown in blue. All drains found to be correct were inked in blue. Main streams in wooded areas were located by plane table traverse, and the traverse tied in to some identifiable object on the photograph.

Distances were measured by stadia and plotted directly on the photographs. All contouring was done on a 20 ft. contour interval. The contouring was done in the field in pencil and inked in purple at night after being checked under the stereoscope. Ocasionally, slight changes were made to lend expression to the contours.

Single lens photographs were used in wooded areas to run ridges and drains not easily accessible by plane table. Elevations were carried by a ~~Lock~~ Locke level and distances kept by pacing. The elevations were tied to control points set by a plane table traverse. Noticeable scale was found on the single lens photographs, whereas, the nine lens photographs did not vary too much from the true scale.

The contouring on quadrangle 8239 was done by the following men: Harland R. Cravat, Jr. Topo. Engr., Ralph Houtrouw, Senior Engineering Aid, Gordon Wood, Jr. Topo. Engr., Earl Loudon, Engineering Aid, and Herbert W. Burgoyne, Jr. Topo. Engr. The accompanying sketch shows the area worked by each man.

7. Mean High Water Line :

Not applicable to the quadrangle.

8. Mean Low Water Line:

Not applicable to the quadrangle.

9. Wharves and Shoreline Structures:

Not applicable to the quadrangle.

10. Details Offshore from the High Water Line:

Not applicable to the quadrangle.

11. Landmarks and Aids to Navigation:

Not applicable to the quadrangle.

12. Hydrographic Control:

Not applicable to the quadrangle.

13. Landing Fields and Aeronautical Aids:

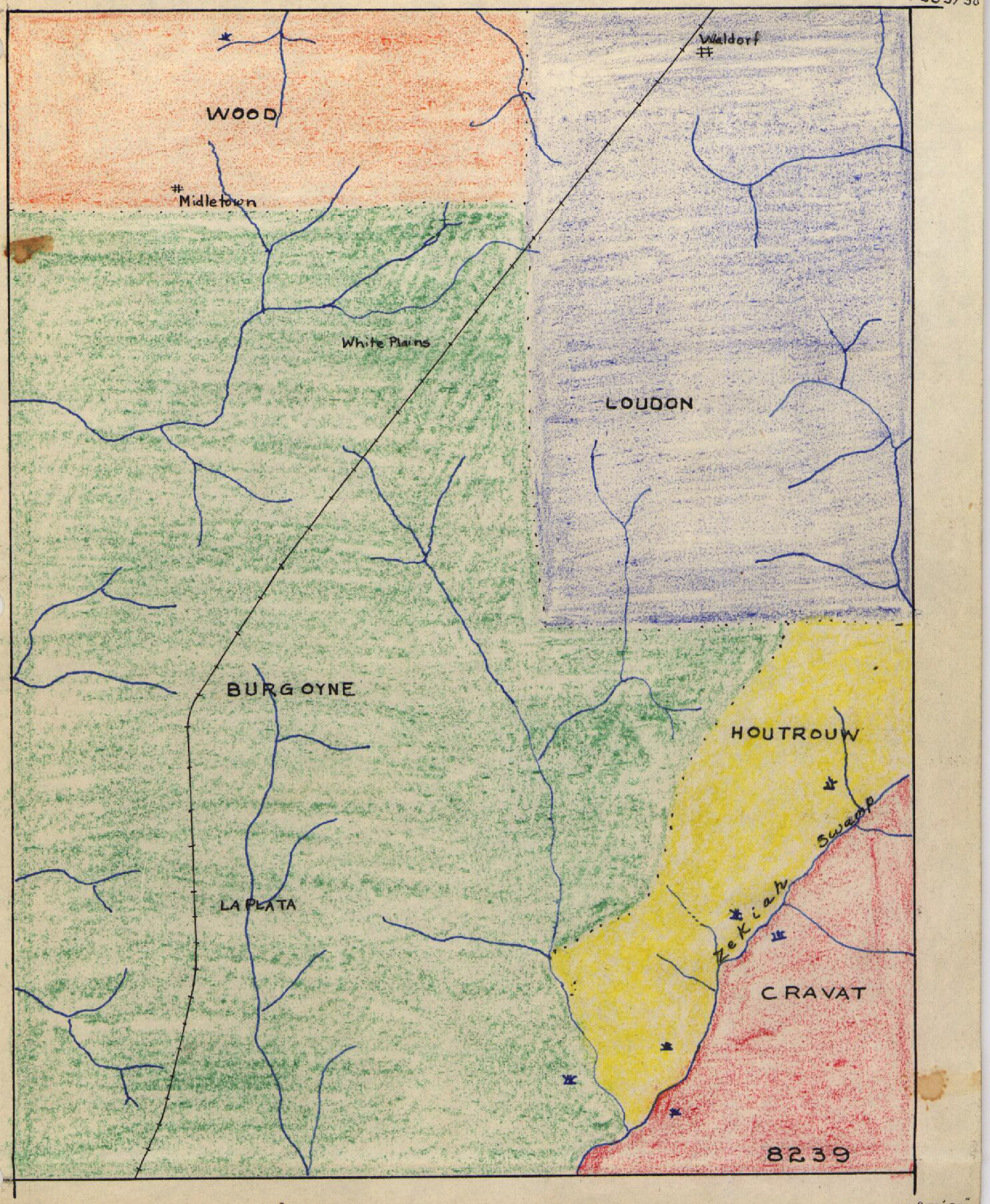
A 250 ft. steel tower was located on photograph # 13215. This tower is located at the Army Radio Station 2.6 miles Northeast of La Plata, Md. (See Item 4).

14. Road Classification:

All roads were classified according to instructions.

PROJECT CS-288-C
Quadrangle T-8239

TOPOGRAPHERS:
Herbert W. Burgoyne, Harland R. Cravat, Ralph E. Houtrouw, Earl R. Loudon.
and Gordon H. Wood Jr.



15. Bridges:

No bridges large enough for classification were encountered in the quadrangle.

16. Buildings and Structures:

All buildings were classified or deleted. Classified buildings were circled in red and bear a symbol, except dwellings which are simply circled and show no symbol.

The buildings at the La Plata Army Radio Station were numbered and the key shown at the bottom of the photograph,(13216). In similar manner, the town of La Plata, Md. was field inspected on photograph 13215.

17. Boundary Monuments and Lines :

Boundaries for all cemeteries were marked on the photographs at the time of contouring.

The boundary for the La Plata Army Radio Station is shown on photograph 13216.

Political boundaries and subdivisions were located by C. C. Fryer, Jr. Topo. Engr. and shown on nine lens photographs 13216 13233,and 13234.

18. Geographic Names:

This is the subject of a special report.

19. Quadrangle Junctions:

Good junctions were made to the North with quadrangle 8246, to the East with quadrangle 8240, and to the South with the work done by the U. S. Coast and Geodetic Survey in 1942 and 1943.

No data was available to the West of quadrangle 8239, but a traverse was run along most of the boundary to be sure the contours were in their true horizontal position.

20. Comparison With Old U. S. Geological Survey Quadrangles:

There were great differences in the old geological quadrangle sheet and the present work. A comparison shows few isolated contours on the old geological sheet and in some instances an entire 200 ft. contour has been left out where at present level elevations are well over 200 feet. In other places, there was wide variation as to the position of the 180 and 200 ft. contours, noticeably on the Middletown road in the Northwest part of the quadrangle.

48. Accuracy Tests:

1. Horizontal Accuracy Test: Subject of a Special Report.

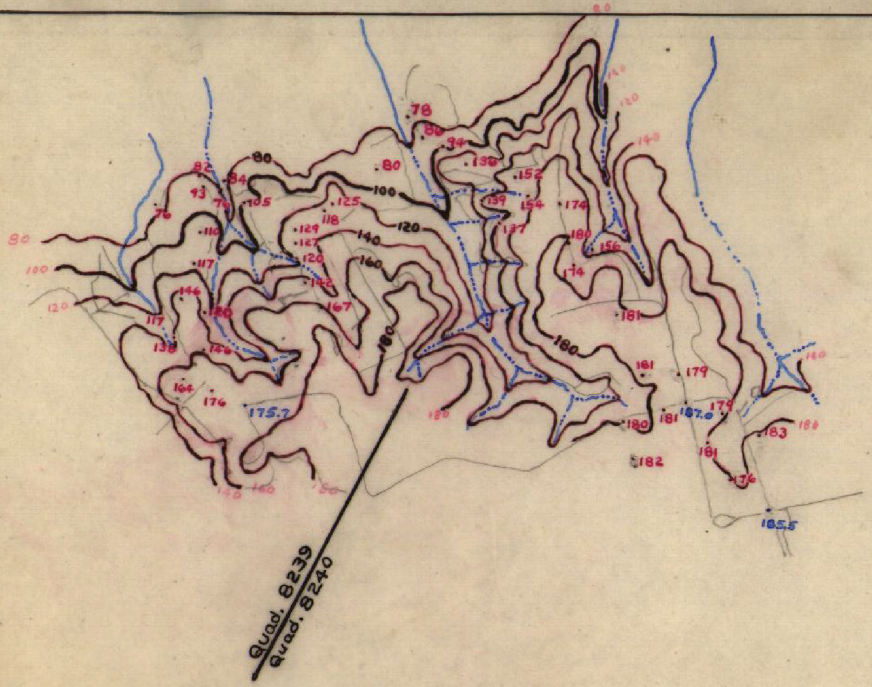
2. Vertical Accuracy Test: A line of profile levels was run in the Southeast section of this quadrangle,near Zekiah Swamp, on nine lens photograph 13236, by William A. Rasure, Asst. Photo. Engr. All contours came well within the limits of accuracy.

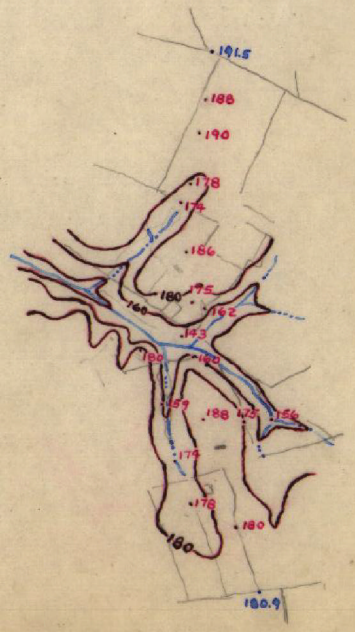
Submitted by:

Herbert Burgoyne
Jr. Topo. Engr.

Approved by:

Ray L. Schoppe
Chief of Party





VERTICAL ACCURACY TEST

Project CS288 C.

Quadrangles 8239 & 8240

Photograph 13236

By: William A. Rasure
Asst. Photo. Engr.

26 CONTROL:

The following horizontal control stations were recovered and identified on the nine lens photographs by the Field Inspection Party. Those falling within the detail limits of this Map Manuscript are:

GUTRIDGE, 1943
GARDNER, 1943
LA PLATA MUNICIPAL WATER TANK, 1942, 1943

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

POMFRET, 1934
WALDORF, 1943
WALDORF STATE POLICE RADIO MAST, 1943

At two (2) of the above control stations the Field Inspection Party established field inspection points.

All of the above horizontal control stations were used for the establishment of photograph centers, secondary, and detail points.

27 RADIAL PLOT:

The radial plot for this Map Manuscript is part of the Main Radial Plot No. 2 of Project C.S. 288, the descriptive report for which was submitted to the Washington Office on March 24, 1944.

28 DETAILING:

The topographic features of this Map Manuscript have been detailed from the center chambers of the nine lens photographs.

In general, the scale difference between the photographs and the Map Manuscript was in good agreement.

The drainage was verified by stereoscopic examination of the office photographs and shown with a single blue acid ink line.

The Field Inspection Party gave incomplete limits of

28 DETAILING: (Continued)

Zekiah Swamp and did not classify any vegetation thereon. Very poor definition was evident upon stereoscopic examination of the nine lens photographs, due to level characteristic of the land.

It is recommended that the limits of Zekiah Swamp and the classification of the vegetation thereon be determined at the time of the field edit.

Bridges and roads were detailed and classified according to the field inspection data. When no classifications for roads were made, appropriate notes were made on the discrepancy overlay.

All buildings have been detailed according to the field inspection data.

Tree areas are shown with a symbol made with green acid ink and classified according to instructions.

"A" - to designate trees 10 ft. or more in height
"B" - to designate sizable brush areas
"C" - to designate areas of scattered brush and/or trees

29 SUPPLEMENTAL DATA:

There have been no previous surveys made by the U. S. Coast & Geodetic Survey of the area covered by this Map Manuscript.

A red line print of Map Manuscript Survey No. T-8113, was available to the Compilation Office for junction purposes on the South.

PARAGRAPHS 30 to 34 are not applicable to this Map Manuscript.

35 HYDROGRAPHIC CONTROL:

The ten bench marks, 1 recoverable topographic station, and two azimuth reference monuments, which were established by radial intersection, are believed to be too far inland for use as

35 HYDROGRAPHIC CONTROL: (Continued)

hydrographic control.

Form 524 is being submitted for each of the above.

36 LANDING FIELDS AND AERONAUTICAL AIDS:

There are no landing fields within the limits of this Map Manuscript. Form 524 is being submitted for the "La Plata Army Radio Tower, 1944" as a probable aeronautical aid.

37 DISCREPANCY OVERLAY:

Descriptive and explanatory notes concerning the doubtful topographic features of the Map Manuscript have been made on the discrepancy overlay. It is believed that these notes will be useful to the Field Edit Party. A set of general notes has also been included to aid in the interpretation of the symbols shown on the Map Manuscript.

38 GEOGRAPHIC NAMES:

An investigation of the geographic names covering the area of this Map Manuscript was made by Jack W. Stingley. The results of this investigation were furnished the Compilation Office on a geographic names overlay of the Brandywine, Md. U. S. Geological (15 minute) quadrangle.

A list of the undisputed, disputed, and recommended geographic names is attached to this descriptive report. Only the undisputed geographic names have been shown on the Map Manuscript.

39 HORIZONTAL ACCURACY:

This Map Manuscript is believed to be within the allowable error for well defined and less well defined points of detail, as contained in the instructions for Project C.S. 288, Paragraph 19, dated August 3, 1942.

40 RECOMMENDATIONS FOR FUTURE SURVEYS:

The planimetry as presented on this Map Manuscript is

40 RECOMMENDATIONS FOR FUTURE SURVEYS: (Continued)

believed to be complete. It is however, subject to corrections, additions, and deletions during the field edit.

41 JUNCTIONS:

Complete and satisfactory junctions have been made with the following surveys:

To the East with Map Manuscript for Survey No. T-8240
To the North with Map Manuscript for Survey No. T-8246

To the West the U. S. Coast & Geodetic Survey will furnish to the Corps of Engineers a copy of this Map Manuscript for junction purposes for a contemplated survey to be made by that agency. This is in accordance with a letter from the Director dated November 4, 1943.

To the South, a junction was made with the Map Manuscript for Survey No. T-8113 of Project C.S. 278A

42 REMARKS:

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

44 COMPARISON WITH EXISTING TOPOGRAPHIC SURVEYS:

A comparison was made with the U. S. Geological Survey, Brandywine, Md. 15 minute quadrangle. Because of the scale difference, only a visual comparison could conveniently be made. Common planimetric features seemed to be in good agreement. Many man made changes are evident. However, the Field Inspection Party in their comparison, found that the relief shown on the quadrangle and the U. S. Coast & Geodetic Survey contour data were in poor agreement.

45 COMPARISON WITH NAUTICAL CHARTS:

There are no recent nautical charts covering the area of this Map Manuscript. Chart No. 77, which is out of publication, shows only the railroad running through this Map Manuscript. A visual comparison indicated this feature to be in fair agreement.

Respectfully submitted:
May 8, 1944

Florence M. Hammond
Florence M. Hammond
Photogrammetric Aid

Map Manuscript, Discrepancy
Overlay and Descriptive Report
Reviewed by:

Michael G. Misulia
Michael G. Misulia
Jr. Topographic 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:
May 9, 1944

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

FIELD EDIT REPORT
TO ACCOMPANY
QUADRANGLE T-8239
PROJECT CS 288 -C
F.L. Gallen Chief of Party

1. DESCRIPTION OF AREA: See field inspection report.

2. COMPLETENESS OF FIELD INSPECTION: See field inspection report.

3. INTERPRETATION OF PHOTOGRAPHS: See field inspection report.

4. HORIZONTAL CONTROL: See report for original planimetric maps, and item 26, compilation report.

5. VERTICAL CONTROL: All level elevations should be checked in the Washington Office. All bench marks have been checked and verified by the field edit party. A few temporary marks, such as nails, have been deleted by the field edit party.

6. CONTOURS AND DRAINAGE: See field inspection report. Discrepancies noted on the discrepancy overlay have been investigated and corrected where necessary.

7 thru 12. Not applicable to this quadrangle.

13. LANDING FIELDS AND AERONAUTICAL AIDS: There were no landing fields within the limits of this quadrangle. Form 524 was submitted for the "La Plata Army Radio Tower, 1944" as a probable aeronautical aid.

14. ROAD CLASSIFICATION: All roads have been classified and shown in accordance with instructions from the War Dept., dated July 23, 1942.

15. BRIDGES: Bridge classifications were made in accordance with instructions from the Army War College, dated January 12, 1942, and have been shown in key on the sheet by C. C. Fryer, Jr. Topo. Engr. Several unclassified bridges were classified by the field edit party.

16. BUILDINGS: Buildings were classified as to type with the exception of dwellings which were not classified. A number of new dwellings were added by the field edit party.

17. BOUNDARY MONUMENTS AND LINES: See field inspection report. Boundary discrepancies have been investigated and corrected where necessary.

18. GEOGRAPHIC NAMES: This subject was covered in a special report by Jack W. Stingley.

19. DETAILING: The limits of Zekiah Swamp and the classification of the vegetation thereon was determined as suggested in the compilation report.

46. METHODS: This quadrangle was field edited on an ozalid and later transferred to a duplicate ozalid in the office. Any discrepancies were noted on the ozalid by a suitable symbol.

All symbols used are standard topographic symbols except that a green X was used for deletions and a tick mark was used to show points of change in road classification. The following color scheme was used:

Deletions	Green
Additions	Black
Names, notes and elevations	Black
Water Culture	Blue
Political Boundary Lines	Violet

47. ADEQUACY OF COMPILATION: The compilation of this sheet, as governed by field inspection, was complete and adequate with few additions or deletions.

48. ACCURACY TESTS: See field inspection report.

Submitted by

Herbert W. Burgoyne per FLG.

Herbert W. Burgoyne
Jr. Topo. Engr.

Approved and forwarded by:

F. L. Gallen

F. L. Gallen
Chief of Party

GEOGRAPHIC NAMES

Undisputed

Beantown
Billingsley Road
Brice
Brice Chapel
Calvary Church
Charles County
Christ Church
Clark Run
Hawkins Gate Road
Kerrick Swamp
La Plata
La Plata Methodist Church
La Plata School
Md. No. 5
Md. No. 6
Md. No. 225
Md. No. 488
Middletown School
Mt. Rest Cemetery
Newton
Pages Swamp
Pennsylvania R.R. - ~~Phila.~~, ~~Balto., & Wash.~~ (Pope Creek Branch)
Physicians Memorial Hospital
Piney Church
Piney Church Road
Sacred Heart Church
Sacred Heart School
St. Matthews Church
U. S. No. 301
Waldorf
Waldorf School (Colored)
Winkler Shop School (no longer used)
White Plains
Zekiah Swamp

GEOGRAPHIC NAMES

Disputed	Recommended
Middletown (Billingsley P. O.)	
Jerden Swamp	Piney Branch
Spring Hill Port Tobacco Station	Spring Hill

1

	Remarks	Decisions
1		USGB
2		
3		Md. Geol. Survey county map
4		"
5		"
6		Railway Guide
7		Road Maps
8		"
9		
10		384769
11		385768
12		"
13		"
14		"
15		[illegible]
16		386768
17		"
18		386769
19		"
20		"
21		"
22		"
23		"
24		385769
25		"
26		"
27		"

M 234

GEOGRAPHIC NAMES

Survey No. T-8239

LA PLATA quadrangle

1 Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Maryland										1
Charles County										2
White Plain No. 6 ✓	(Md. Geol. Survey county map has White Plain for district, although the name of the village is White Plains --see below)									3
Bryantown No. 8 ✓										4
La Plata No. 1 ✓	✓									5
Pennsylvania R.R. (Popes Creek Branch) ✓										6
U.S. No. 301/ Md. No. ✓										7
Md. Nos. 5, 6, 227, 228,	225,	488 ✓								8
										9
Zekiah Swamp	✓									10
Brice	✓									11
Brice Chapel										12
Piney Branch	✓ (to SE, trib. Zekiah Swamp)									13
Piney Church	✓									14
Piney Church Road	✓									15
Beantown	✓									16
Waldorf School (Colored)	✓									17
Waldorf	✓									18
Waldorf School	✓									19
Calvary Church	✓									20
Piney Branch ✓	(to NW, trib. Mattawoman Cr.)									21
Middletown (Billingsley P.O.) ✓										22
Billingsley Road	✓									23
Middletown School	✓									24
White Plains	✓									25
Pages Swamp	✓									26
La Plata Army Radio Station	✓ (if it is to be shown)									27

M 234

	Remarks	2 Decisions
1		385769: all on this
2		section sheet through
3		line 13
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		384769
15		
16		
17		
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23		
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25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-8239

2 Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
La Plata	✓									1
La Plata School										2
La Plata Methodist Church										3
Mt. Rest Cemetery	✓									4
Physicians Memorial Hospital										5
Sacred Heart Church	✓									6
Sacred Heart School	✓									7
Christ Church	✓									8
Hawkins Gate Road	✓									9
Kerrick Swamp	✓									10
St. Matthews Church	✓									11
Newtown	✓ (a little of it here)									12
Spring Hill	✓									13
Clark Run	✓									14
										15
				Names underlined in red approved by L. A. Heckon 6/5/44						16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

M 234

Horizontal Accuracy Test

T 8239

Test Point

No. 2 38° 37' PP2 +869.85 m.

M.M 864

6 m

0.3 mm

76° ~~54~~ 55' PP2 - 696.7m. (back distance)

MM 694

3.0 m

.15 mm

3 38° 37' 30" PP3 - 184.39 m. (back distance from 38° 37' 30")

MM 183

1 m.

.05 mm

76° 54' PP3 +610.6 m

MM 614.0

3.0 m.

.15 mm

4 38° ~~36~~ 37' PP4 -261.47 m. (back dist.)

MM 258.

3 m

15 mm

76° 52' 30" PP4 +617.6 m (foward dist. from 7.6° 52' 30")

MM 611.

7 m

.35 mm

35'

~~5~~ 38° ~~36~~ PP5 - 111.30 m (back distance)

MM 115

4.0 m.

.2 mm

52'30"

76° ~~52~~ PP5 - 211.9 m (back distance)

MM 239.0

27.0 m

1.35 mm

The above tabulation is the result of comparisons of test points on the map manuscript. Identifiable points were located by traverse (3rd order) and positions of the same points as compiled were scaled from the map manuscript. Positions as determined by traverse are denoted by "P.P." Positions scaled from manuscript are denoted by "M.M.".

Picture Point No. 5 was in error as indicated above. This was due to faulty detailing, other points in the same vicinity indicating that the radial plot was not in error. Point No. 5 was not a radial plot point.

5D

PP4 →

38 36 51.587
− 0.063
51.525

76 ~~36~~ 52 55.129
+ 0.404
55.533 ←

+12.59 feet
−18.87 "
−6.28 "

= −0.062"

+20.52 feet
+11.58 "
+32.10 "

= +0.404"

5C →

38 36 ~~57.406~~ 51.523
− 5.878
36 51.523

76 53 07.208
− 11.678
76° 52' 55.530"

−575.80 feet
−18.87
−594.67 feet

= −5.878"

−938.55
+11.58
−926.97 feet

= −11.678"

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-8239

LA PLATA 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. It is inclosed in this report.

~~There is no~~ The vertical accuracy test in this area is discussed on page 5 of the field inspection 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.

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 quadrangle.

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 May 31, 1944 By Howard J. Murray (per D.M.)
under direction of D. H. Benson

Inspected by B. G. Jones B.G. Jones 5/46

Examined and approved:

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

Robert W. Knox
Chief, ~~Div. of Charts~~
Nautical Chart Division

~~Chief, Topography Section~~

Raymond R. Lyman
Chief, Div. of Coastal Surveys