8146

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic Topographic

Field No. 54 *Office No.* T-8146

LOCALITY

State Maryland & Virginia

General locality Chesapeake Bay (Western Shore)

Locality Potomac River

Yeocomico Quadrangle

1943

CHIEF OF PARTY
F. L. Gallen
Fred. L. Peacock

LIBRARY & ARCHIVES

DATE February 6, 1945

8-1870-1 (1)

8146

8146

Form T-1

DATA RECORD

T-8146

Quadrangle (II):
~~Piney Point (15' Quadrangle)~~
Yeocomico (7½' Quadrangle)

Project No. (II):
CS-278-A

Field Office:
War Mapping Field Party No. 1

Chief of Party:
Wm. D. Patterson
F. L. Gallen

Compilation Office:
Baltimore Field Office

Chief of Party:
Fred. L. Peacock

Instructions dated (II III):
March 4, 27; June 5, 24;)
Aug. 13, 27; Sept. 3, 4;) 1942

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

Completed survey received in office: 3/18/43

Reported to Nautical Chart Section: 8/43

Reviewed: 5/28/13 Applied to chart No. Date:

Redrafting Completed: 8/26/43

Registered: ~~2/25/45~~ 2/5/45 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): Sandy Point No. 5, 1942

Lat.: 38° 04' 23.20" (715.3m) Long.: 76° 32' 07.77" (189.4m) ~~Adjusted~~ ~~Unadjusted~~ Unadjusted

State Plane Coordinates (VI): Maryland, and Virginia North, and ~~No coordinates available~~ Virginia South.

X = Y =

Military Grid Zone (VI) ~~A or B~~ "A"
Overlapping 'B' also shown.

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
Nine Lens				
8905 to 8909 Inc.	4/15/42	1:42 to 1:47p.m.	1:20,000	1.5' above M. L. W.
8912 to 8915 Inc.	4/15/42	1:52 to 1:57p.m.	1:20,000	1.5' above M. L. W.
8916	4/15/42	2:02p.m.	1:20,000	1.5' above M. L. W.
Single Lens Soil Conservation Photographs				
FG106-14 to FG106-33	4/7/37	unknown	1:20,000	unknown
FG106-115 to FG106-141	4/7/37	unknown	1:20,000	unknown
FG108-31 to FG106-34	4/7/37	unknown	1:20,000	unknown
FG129-26 to FG129-35	5/7/37	unknown	1:20,000	unknown

Tide from (III): Predicted table of tides; reference station Washington, D.C. with time correction for Lynch Point, Va.

Mean Range: 1.5' Spring Range: 1.8'

Camera: (Kind or source) U. S. Coast & Geodetic Survey Nine lens camera.

Field Inspection by: Horizontal Control: G. B. Wood date: May-June, 1942
Shoreline: C. O. Rector August, 1942
Cultural Features: A.M.Jyhla and S.C.Dionisio Sept.-Nov, 1942

Field Edit by: Orvis N. Dalbey date: Apr. 1943

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

Same as date of nine lens photographs

Projection, ~~and~~ Military & State Grids ruled by (III) CHR. C.H.R. date: 10/20/42 11/2/42

" " " checked by: J.O.N. date: 11/5/42

Control plotted by: Charles L. Bailey date: 11/16/42

Control checked by: J. Edward Deal, Jr. date: 12/1/42

Radial Plot by: J. Edward Deal, Jr. & Joseph Steinberg date: 12/15/42

Detailed by: Donald M. Brant date: 3/17/43

Reviewed in compilation office by: Henry P. Eichert date: 3/4/43 to 3/17/43

Elevations on Field Edit Sheet checked by: L.G.Chambers date: Apr. 1943

STATISTICS (III)

Land Area (Sq Statute Miles): 31

Shoreline (More than 200 meters to opposite shore): 29 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 30 Statute Miles

Number of Recoverable Topographic Stations established: 25

Number of Temporary Hydrographic Stations located by radial plot:

none

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: A. M. Jyhla, Sept.-Nov., 1942

FIELD INSPECTION REPORT
QUADRANGLE T-8146
F. L. Gallen, Chief of Party
Project CS-278-A

1. DESCRIPTION OF AREA - The Potomac River cuts across the northeast corner of this quadrangle and the Yeocomico River, a tidal stream, indents the shoreline in the southeast corner of the quadrangle. Adjacent to the Potomac River and the lower reaches of the Yeocomico River the land is flat, or gently sloping, and the elevation varies from a few feet to less than 20 feet. Except for a few stretches of sand beach along the Potomac River there is a small bluff along all of the shoreline. There are no extensive marsh areas and what marsh is present is usually found adjacent to the tidal streams.

Back of the flat, or gently sloping area, the land rises quickly to a relatively flat tableland with a maximum elevation of about 150 feet. This tableland is broken up by numerous streams with deep valleys. See the Report for T-8114 for the shape of these valleys and the character of the streams present.

On the low, flat land cleared areas are found on the higher ground where better drainage prevails. On the tableland the flat land on the tops of the ridges between the valleys is farmed. The remainder of the area is timbered with a heavy growth of pine and deciduous trees with a heavy undergrowth.

The soil is a heavy, sandy loam on the tableland, increasing to a sandy-clay mixture on the lower flats. This upper mantle appears to be several hundred feet deep, overlying a flat, stratified sandstone layer underneath.

2. COMPLETENESS OF FIELD INSPECTION - The field inspection is assumed to be complete on all items. The field inspection of the areas below the 20 foot contour was done by a separate 2-man field inspection party.

One church and school near the center of Photograph 8915 has no name and hence was not named on the photograph.

3. Same as T-8142

4. and 5. Same as T-8148.

6. Same as T-8148.

The southwest corner of Photograph 8915 is dark and the use of the stereoscope limited. The plane table was used where feasible and the remainder of the distances and the elevations were extended by handlevel and pacing at sufficient points to locate the main body of the streams and the upper branches. Vegetation changes were used to help fix the handlevel lines and it was found that the photographs were more easily interpreted after field inspection on the spot. The drainage in

the center of Photograph 8914 was located by planetable.

On Photograph 8915 the junction of the two streams near the south boundary of the quadrangle (Elevation 33) is probably not precisely as shown, but the terrain is bad and the brush thick.

In general, the locations of the streams as sketched under the stereoscope were found to be good and whenever a wide difference in pacing occurred a re-check under the stereoscope corrected the error. The stereoscope was of no use in places where timbered areas occurred on one side of a valley and cleared, or cut-over, land on the opposite side of the stream. An illustration is photograph 8914, in the southwest corner, where a drainage basin was located by planetable.

Some of the streams in the flat area below the 20 foot contour have been located by pacing from the edges of clearings and are so labelled on the photograph.

To assist in sketching in the contours when supplemental elevations were run to the bottoms of draws with a hand level a small piece of pumiced acetate was placed over a grid system of 100 foot lines in a notebook and the sketching was done on the spot, and later transferred to the photograph at the same scale. Before starting out with the acetate control was placed upon it by tracing on the drainages, starting position, and any other control visible on the photographs such as timber changes, small clearings, etc.

All vertical traverses have been closed within 1 foot on previously established points. The only closure on marsh area was below a pond at Grady's mill, on photograph 8915, and this was 1 foot, water level.

One vertical traverse at the southern boundary of the quadrangle on photograph 8915 was first closed with an error of 6 feet but this was re-run in the field, and the error rectified.

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

17. BOUNDARY MONUMENTS AND LINES - The State and County boundary lines will be added to the Map Manuscript.

18. GEOGRAPHIC NAMES - A report of Geographic Names was submitted by A. J. Wraight.

Approved and forwarded:

F. L. Gallen,
Chief of Party.

Submitted by,

G. R. Fish,
Lieut. U. S. C. and G. S.

26 Control:

Three U. S. Coast & Geodetic Survey Triangulation Stations lie within the limits of this map manuscript. Nineteen U. S. Coast & Geodetic Survey Triangulation Stations lie within three minutes of the limits of this map manuscript. All of these stations have been used as control for secondary and detail points.

Triangulation stations within the limits of this map manuscript are:

Sandy Point 5, 1942
Carey (Va.), 1934
Boundary Monument No. 15, 1929

Triangulation stations beyond the limits of this map manuscript are:

Grapevine, 1932
Boundary Monument No. 19 (Va.), 1929
Ragged Point L. H., 1901
Wall, 1908
Lowell, 1908
Piney Point L. H., 1858, 1929
Piney Point W. T., 1942
Shehan, 1908
Straits, 1908
Firing Point Front Range, 1919
Herbert, 1932
Franklin, 1932
Nigger, 1932
Cherry, 1932
Cupola, 1932
Boyce, 1932
Landing, 1932
4,000 Yd. Rear Range, 1919
Navy, 1942

27 Radial Plot:

The radial plot for T-8146 is described in Section 4 of the descriptive report of the radial plot for Sub-Project CS-278-A, which has been previously submitted.

28 Detailing:

All detailing has been delineated from the nine lens photographs using the center chambers as much as possible. On portions of several of the photographs the detail was obscured by cloud formations. This made it impossible to detail from parts of some photographs which would have facilitated the detailing.

The drainage was determined by stereoscopic examination of the single lens photographs received from the Soil Conservation Service. This was found to be in very good agreement with the field inspection interpretation and no serious discrepancies were discovered. Where very minor differences in interpretation existed between the office interpretation and field inspection, the field inspection interpretation was accepted. This was done in order to facilitate the tracing of the contours from the field inspection photographs.

The field inspection in general was satisfactory for the entire area of this map manuscript. Differences of interpretation, between the field inspection of different groups of field inspection parties, have been noted on the discrepancy overlay.

29 Supplemental Data:

T-1581, T-1104, T-1102, T-2808 and T-2809 are previous surveys covering portions of the area of this map manuscript. These surveys are not available to the compilation office.

In addition, General Highway & Transportation Maps of Westmoreland and Northumberland Counties have been furnished the compilation office by the field inspection party.

30 Mean High Water Line:

The entire shoreline was carefully examined with the aid of the stereoscope before detailing. This examination verified the field interpretation of the mean high water line.

31 Low Water & Shoal Lines:

No low water lines are indicated on the field inspection or discernible on the office photographs.

Shoal lines were detailed from the single lens photographs obtained from the Soil Conservation Service.

32 Details Offshore from the High Water Line:

No offshore details were indicated on the field inspection photographs nor discernible on the nine lens office photographs.

33 Wharves & Shoreline Structures:

All piers, wharves, and docks indicated on the field inspection photographs have been shown. In addition, several other piers visible on the office photographs were detailed.

34 Landmarks and Aids to Navigation:

No landmarks appear on this map manuscript but there are two fixed aids to navigation established by sextant fix.

They are:

Lynch Point Lighted Beacon Fl. R., 5 sec.
Barn Point Lighted Beacon Fl. W.

These aids to navigation are also listed as Hydrographic control in Paragraph 35.

Form No. 567 is submitted herewith, giving the recommended positions of these aids to navigation as established by sextant fix.

35 Hydrographic Control:

There are twenty-five recoverable Topographic stations that fall within the limits of this map manuscript. These may be used for any future hydrographic surveys.

35 Hydrographic Control: (cont'd)

They are:

Barn Point Fl. W.		Lynch Point Fl. R., 5 sec.	
Bat,	1942	New,	1942
Bur,	1942	Old,	1942
Can,	1942	Pat,	1942
Car,	1942	Ray,	1942
Dad,	1942	Rob,	1942
Dot,	1942	Sam,	1942
Gin,	1942	Saw,	1942
Hut,	1942	Tan,	1942
Hal,	1942	Top,	1942
Kin,	1942	War,	1942
Lad,	1942	Wel,	1942
		Yel,	1942

One additional station, Bureau of Ordnance Station No. "A", could not be radially plotted as no picking card or location on any field inspection photograph was furnished this compilation office by the field inspection party.

Descriptions for these stations have been submitted on Form No. 524.

37 Geographic Names:

A list of undisputed, disputed and recommended geographic names furnished by the field inspection party has been attached to this descriptive report.

38 Discrepancy Overlay:

A discrepancy overlay has been prepared to accompany this map manuscript. On it are noted questions concerning correct interpretation, comments, and such notes as are deemed likely to be of assistance during the field edit. Discrepancies between field inspection submitted by different units of the field inspection party are also noted. 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 CS-278, Paragraph 54, dated March 4, 1942.

40 Recommendation for future Surveys:

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:

No contemporary surveys join this map manuscript to the south. A complete junction was made with T-8139 to the north, and T-8147 to the

41 Junctions: (cont'd)

east. T-8145 to the west, is incomplete as of the date of this report; but common points were established and junction made with the completed portion of the planimetric detail.

42 Remarks:

The description of the area covered by this map manuscript as submitted by the field party is adequate.

44 Comparison with existing Topographic Quadrangles:

Because of a difference in scale, no accurate comparison of this map manuscript with the U. S. Geological Survey Quadrangle, for this area, could be made.

A very pronounced discrepancy has been observed in the shoreline along Lynch Point. A group of small islands, at the mouth of Parkers Creek are shown on this map manuscript but do not appear on the U. S. Geological Survey Quadrangle.

45 Comparison with Nautical Charts:

This map manuscript has been compared with Charts 557 and 558, reissued July 29, 1942.

On comparison with Chart 558, the following differences have been noted along the western shore of the Potomac River:

There is a difference in the shape of the shoreline around the narrow neck at the mouth of Gardner Creek. Chart 558 also shows a small pond in the extended neck which does not appear on this map manuscript. There is also a small cove on the south shore of the creek not shown on Chart 558. Approximate latitude 38° 06.7'.

At the mouth of Jackson Creek, there is a marsh area and a marsh island not shown on Chart 558. Approximate latitude 38° 06.4'.

Close to the shore and draining into Bonum Creek, Chart 558 shows a small pond. This map manuscript shows a marsh area in this vicinity. Approximate latitude 38° 05.7'. There is also a small marsh island about one tenth of a mile south of the mouth of the creek, not shown on Chart 558. In addition, Chart 558 shows a road crossing the creek. This map manuscript shows this road but it is evident from the photographs That it does not bridge Bonum Creek.

On comparison with Chart 557, the following differences have been noted along the western shore of the Potomac River:

There is a pronounced difference in the shoreline location and consequent shape of Lynch Point. Approximate latitude 38° 02.6'.

At the mouth of Parkers Creek, at the north shore of the Yeocomico River, are several islands not shown on Chart 557. Instead, Chart 557 shows a peninsula which shelters the mouth of the creek. Approximate longitude 76° 32.3'.

45. Comparison with Nautical Charts: (cont'd)

The detail on this map manuscript, after field edit, should supersede the topographic information as now charted.

Respectfully submitted,
March 16, 1943

Donald M. Brant
Donald M. Brant
Senior Photogrammetric Aid

Map Manuscript, Discrepancy Overlay, and Descriptive report supervised by:

Henry P. Eichert
Henry P. Eichert
Junior Photogrammetric Eng.

Compilation of Map Manuscript Supervised by:

Joseph Steinberg
Joseph Steinberg
Asst. Photogrammetric Eng.

and

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

Approved & Forwarded:
March 17, 1943

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

FIELD EDIT REPORT
T-8146

46. The field edit was done by visual inspection using the map manuscript in the field and transferring all additions, deletions and corrections while inking.

The inking was done in accordance with the following scheme:

Features	Colors
Additions, bench marks, wye level elevations and crosses	Black
Deletions	Green
Contours, elevations by topo.	Brown
Drainage features	Blue
Civil boundaries	Violet.

47. The position and amount of detail on this sheet is believed to be accurate and complete.

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

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

11. All aids to navigation were checked by planetable.

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

Respectfully submitted,

Orvis N. Dalbey

Orvis N. Dalbey,
Photogrammetric Aid.

Approved and forwarded:

F. L. Gallen

F. L. Gallen,
Chief of Party.

LIST OF GEOGRAPHIC NAMES

Undisputed

Allen Point
Barn Point
Bonum Creek
Carys Corner
Cedar Point
Cherry Grove Creek
Cherry Point neck
Cornish Cove
Crow Bar
Drum Cove
Dungan Cove Dungan pt.
Fauntleroy Farm
Grays Corner
Great House Point
Hampton Hall Branch
Hampton Hall Bridge
Harryhogan Point
Horn Point
Jackson Creek
Kinsale
Kinsale Branch
Kinsale Bridge
Lodge Creek
Long Cove
Long Point
Lynch Point
Maryland
Mill Creek
Mundy Pt. Mundy Point (village)
Northumberland Co.
Palmer Cove
Palmer Point
Parkers Creek
Parkers Island
Pea Neck
Sandy Point
Seldom Point
Shingle Hill
Sloop Point
South Yeocomico River
Thicket Point
Thicket Point Bay
Thompson Mill Pond
Tucker Hill
Virginia
Walker Point
Westmoreland
Westmoreland County
West Yeocomico River
White Point
Yeocomico River

LIST OF GEOGRAPHIC NAMES

Recommended	Disputed
Gardner Creek	Jackson Creek
Mundy Point	Mundys Point
Saw Mill Creek	Shannon Branch
St. Mary's Co.	St. Marys Co.
Tom Jones Point	Indian Bar
White Point Creek	Mill Branch
Wilkens Creek	Evan Cove
Yeocomico River	(North West Yeocomico River (White Point Creek

T.8146

NO.I

	Remarks	Decisions
1		380765
2		"
3		"
4		"
5		"
6		"
7		" U.S.G.B.
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		" U.S.G.B.
20		" U.S.G.D.
21		"
22		"
23		"
24		"
25		"
26		"
27		"

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GEOGRAPHIC NAMES

Survey No. T. 8146

NO. I

Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Cherry Point Neck	✓									1
Fauntleroy Farm	✓									2
Thicket Point	✓									3
Thicket Point Bay	✓									4
Barn Point	✓									5
Tom Jones Point	✓									6
Cornish Creek	✓									7
Palmer Point	✓									8
Palmer Cove	✓									9
Dungan Point	✓									10
Dungan Cove	✓									11
South Yeocomico River	✓									12
Lodge Creek	✓									13
Harryhogan Point	✓									14
Pea Neck	✓									15
Mill Creek	✓									16
Drum Cove	✓									17
Walker Point	✓									18
Mundy Point	✓	Town								19
Mundy Pt.	✓									20
Wilkins Creek	✓									21
Long Point	✓									22
Cedar Point	✓									23
West Yeocomico River	✓									24
Great House Point	✓									25
Hampton Hall Bridge	✓									26
Hampton Hall Branch	✓									27

M 234

T.8146

NO.2

	Remarks	Decisions
1		380765
2		" U.S.C.E.
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12	Estuary that heads near Lat. 38°03', Long. 76°34'45"	"
13	and flows to opposite to White Point, near Lat. 38°03'40", Long. 76°33'10".	" U.S.C.E.
14	Joins White Point Creek near Lat. 38°02'40", Long. 76°33'10"	" U.S.C.E.
15		"
16		" U.S.C.E.
17		"
18		"
19		"
20		"
21		"
22		"
23		381765
24		" U.S.C.E.
25		"
26		380766
27		380766

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GEOGRAPHIC NAMES

Survey No. T-8146

NO.2

Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Shingle Hill	✓									1
Kinsale	✓									2
Kinsale Branch	✓									3
Kinsale Bridge	✓									4
Sloop Point	✓									5
Seldom Point	✓									6
Long Cove										7
Horn Point. Allen Point	✓									8
Allen Point	✓									9
Yeocomico River	✓									10
White Point	✓									11
Crow Bar	✓									12
White Point Creek	✓									13
ShannonoBranch	✓									14
Tucker Hill	✓									15
Bonum Creek	✓									16
Sandy Point Neck	✓									17
Westmoreland	✓									18
Sandy Point	✓									19
Lynch Point	✓									20
Parkers Creek	✓									21
Parkers Islnad	✓									22
Jackson Creek	✓									23
Gardner Creek	✓									24
Cherry Grove Creek	✓									25
Carys Corner	J.									26
Thompson Millpond	✓									27

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T.8146

	Remarks	Decisions No.3
1		380766
2		381765 U.S.G.B.
3		[illegible]
4		
5		U.S.G.B.
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GEOGRAPHIC NAMES

Survey No. T.8146

NO.3

Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Grays Corner										1
Coles Neck										2
Westmoreland County										3
Northumberland County										4
St. Marys County										5
Potomac River										6
Cople District										7
Lottsburg District										8
										9
State Highway 202										10
										11
										12
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										27

Names underlined in red approved by W.A.H. on 6/18/43

M 234

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.

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. (The photography was supplemented by use of single-lens photos of the Soil Conservation Service.) 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 Tampax 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.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T- 8146

YEOCOMICO 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 the Descriptive Report for T-8145 for the results and discussion of the closest horizontal accuracy test.

The closest vertical accuracy test was performed on T-8145.

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-1581	1860	1:20,000	
T-1102	1868	1:20,000	
T-2808	1906	1:20,000	
T-2809	1906	1:20,000	
"Piney Point"	1901	1:62,500	U.S.G.S.

Comparison with Nautical Charts Nos. 557 & 558, ~~1942~~

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:

A pronounced difference in the shoreline location and consequent shape of Lynch Point on Chart 557 is the only major difference observed during comparison with the two charts. All other discrepancies consisted chiefly of minor variations in shoreline, due probably to natural erosion and physical changes.

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.

Note A number of houses shown on the manuscript as topographic stations were omitted from the published quadrangle there have been marked on a corrected copy for addition at the next printing
B.G.J.

Reviewed 5-28-43 **By** L. R. Harshman per. H.C.R.
under direction of D. H. Benson

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

Examined and approved:

Robert M Kney
Chief, Surveys Branch

F. S. Dorsey
Chief, Div. of Charts

K. T. Adams
Chief, Topography Section

G. Rude
Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. _____

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.