

8137

2340

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	Topographic
Field No. 38	Office No. T-8137
LOCALITY	
State	Maryland
General locality	Chesapeake Bay (Western Shore)
Locality	Point No Point
1943	
CHIEF OF PARTY	
F. L. Gallen	
Fred. L. Peacock	
LIBRARY & ARCHIVES	
DATE	

DATA RECORD

T- 8137

Quadrangle (II):

Project No. (II):

Point No. Point (7 $\frac{1}{2}$ Minute Quad)

CS-278-A

~~Point Lookout (15 Minute Quad.)~~

Field Office:

Chief of Party:

Salisbury, Maryland

Lieut. Comdr. F. L. Gallen

Compilation Office:

Chief of Party:

Baltimore Field Office

Comdr. Fred. L. Peacock

Instructions dated (II III):

Copy filed in Descriptive

March 4, 27; June 5, 24;)

Report No. T- (VI)

August 13, September 4;)

Completed survey received in office:

1/22/43

Reported to Nautical Chart Section:

1/43

Reviewed: 5/6/43

Applied to chart No.

Date:

Redrafting Completed: 6-17-43

Registered: 12/28/44

Published: 12/14/43

Compilation Scale:

Published Scale: 1:31,680

1:20,000 x 1.0079 = 1:20,158

Scale Factor (III):

0.99216

Geographic Datum (III): N.A. 1927 Datum Plane (III): Mean Sea Level

Reference Station (III): Point No Point 2, 1934

Lat.: 38° 08' 30.496" 940.3m Long.: 76° 19' 24.892" 606.1m Adjusted
(909.6m) (855.0m) ~~Unadjusted~~

State Plane Coordinates (VI):

Maryland Coordinate System (Single zone)

X = 994,552.59

Y = 113,059.13

Military Grid Zone (VI) A

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
8930	4/15/42	2:27p.m.	1:20,000	1.0' above M. L. W.
8931	4/15/42	2:28p.m.	1:20,000	1.0' above M. L. W.
8932	4/15/42	2:30p.m.	1:20,000	1.0' above M. L. W.
8933	4/15/42	2:31p.m.	1:20,000	1.0' above M. L. W.
8936	4/15/42	2:39p.m.	1:20,000	0.9' above M. L. W.
Single Lens				
AHX 10-85 to AHX 10-88	Unknown	Unknown	1:20,000	Unknown

Tide from (III): Tables of predicted tides, reference station Baltimore, Md.
with time correction for Point No Point, Maryland

Mean Range: 1.3' Spring Range: 1.5'

Camera: (Kind or source) U.S. Coast & Geodetic Survey, nine lens camera
(focal length $8\frac{1}{4}$ ") 9" x 9" single lens contact prints obtained from Soil
Conservation Service, U. S. Department of Agriculture

Field Inspection by: Horizontal Control: D. L. Green date: May-July, 1942
Shoreline: J. C. Lajoie August, 1942
Culture & Drainage: T. A. Zary August, 1942
Field Edit by: date:

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

Same as date of nine lens photographs

Projection and Grids ruled by (III) W.C.B., Wash. Off. date: October, 1942

" " " checked by: Washington Office date: October, 1942

Control plotted by: Arthur L. Bennett date: November 4, 1942

Control checked by: Joseph Steinberg date: November 4, 1942

Radial Plot by: J. Edward Deal, Jr. & Joseph Steinberg date: November 7, 1942

Detailed by: Calvert J. Cahn date: Dec. 7, 1942 to
Jan. 1, 1943

Reviewed in compilation office by: Wm. H. VanLoon date: Jan. 8, to
Jan. 15, 1943

Elevations on Field Edit Sheet
checked by: C. O. DeWane date: 5/6/43

STATISTICS (III)

Land Area (Sq. Statute Miles): $7\frac{1}{4}$ sq. Statute Miles

Shoreline (More than 200 meters to opposite shore): 11 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 16 Statute Miles

Hydrographic and
Number of Recoverable/Topographic Stations established: 7 Stations

Number of Temporary Hydrographic Stations located by radial
~~photo~~ intersections:

3 Stations

Leveling (to control contours) - miles: 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 T. A. Zary: August, 1942

FIELD INSPECTION REPORT
QUADRANGLE T-8137

Refer to Field Inspection Report for T-8148 for information on side headings Nos. 2 - 5, 7 - 16, and 18.

1. DESCRIPTION OF AREA

Along the shore of Chesapeake Bay there is a strip of low, gently sloping land varying from a mile to a mile and a half in width, and varying in elevation from several feet to slightly more than twenty feet at the inner edge of the strip. West of this coastal strip the land rises quickly to the top of a north-south ridge that is about 100 feet in elevation. The top of this ridge is the drainage divide between the Chesapeake Bay and the St. Mary's River to the west. The coastal strip has numerous cleared fields, but the ridge to the west is too steep for farming and is heavily timbered and has a moderately heavy undergrowth. There are no extensive marsh areas and most of the marsh present is found adjacent to or at the head of the tidal streams.

The streams running into Chesapeake Bay traverse the flat, coastal strip and are usually in heavy timber and difficult to trace on the photographs.

6. CONTOURS AND DRAINAGE

Where it was impossible to trace the streams traversing the coastal strip under a stereoscope, due to the heavy vegetation, the area was inspected on foot and the streams were referenced to identifiable points by pacing.

17. BOUNDARY MONUMENTS AND LINES

There are no boundary lines or monuments in this quadrangle.

Approved and forwarded:

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

Submitted by,

G. R. Fish
G. R. Fish,
Lieut., U. S. Coast & Geodetic Survey.

COMPILATION REPORT

26 Control:

Two U. S. Coast & Geodetic Survey triangulation stations and one reference monument fall within the detailed limits of this map manuscript. Two triangulation stations are just beyond the limits. Secondary control points, established by the radial plot, were used in conjunction with the triangulation stations to control the orientation of photographs for this map manuscript.

The triangulation stations within the limits are:

Point No Point 2, 1934
Point No Point Lighthouse, 1905 M.S.F.S.

The Reference Monument within the limits is:

Reed Reference Monument, 1908 M.S.F.

The triangulation stations just beyond the limits are:

Ridge, 1942 (to the South)
Norris, 1942 (to the West)

27 Radial Plot:

The radial plot for this map manuscript is part of a combined plot covering six topographic surveys.

A report covering this combined plot for War Mapping sub-Project CS-278-A, will be submitted in the near future.

28 Detailing:

The field inspection of buildings, contours, elevations, marsh areas, streams, roads and shoreline was in general complete, and is shown on the nine lens field photographs.

All drainage was examined stereoscopically on the office photographs and portions which were not determined by the field inspection have been shown on the map manuscript by the use of the appropriate symbol.

Detailing was accomplished mainly from nine lens photographs. 9" x 9" single lens contact photographs obtained from the Soil Conservation Service, U. S. Department of Agriculture were available for a small portion of the western part of this map manuscript and were used to verify the interpretation of natural and cultural details in this vicinity.

The detailing of this map manuscript was expedited by using a projection, the scale of which had been determined by running a scale plot. It was found that the average photographic scale was very close to that of the projection.

29 Supplemental Data:

Survey T-458 published 1849-1904, H 2923 published 1929 and Survey T-4444 dated 1929 were not available. No other surveys of the area are listed in U. S. C. & G.S. "Index of Topographic Surveys, East Coast".

30 Mean High Water Line:

The field inspection for the mean high water line was in general complete, and was detailed accordingly on the map manuscript.

31 Low Water & Shoal Lines:

Shoal lines and low water areas, not indicated on the field inspection photographs, were interpreted from the nine lens office photographs.

32 Details Offshore from the high water line:

With the exception of Point No Point Lighthouse, the details of which are obscured by the triangulation symbol, no offshore details appear on this map manuscript.

33 Wharves & Shoreline Structures:

All wharves or docks that were visible on the office photographs have been located on the map manuscript but in some cases the actual details were obscured by recoverable Hydrographic and Topographic stations symbol.

34 Landmarks & Aids to Navigation:

The only aid to navigation located in the limits of this survey is Point No Point Lighthouse, Alt. Fl. W. and R. 40 seconds. This is also a U.S.C. & G.S. Triangulation Station. No data for landmarks was available to this compilation office.

35 Hydrographic Control:

Seven recoverable Hydrographic and Topographic stations were radially plotted within the limits of this map manuscript. Descriptions and geographic positions for each are submitted herewith on forms No. 524. In addition, three temporary hydrographic stations were pricked by the compiler on the photographs and radially plotted on the map manuscript for future use as hydrographic signal sites. The descriptions of the temporary hydrographic signals appear on the discrepancy overlay.

37 Azimuth Reference Monuments:

There were no azimuth reference monuments recovered within the limits of this map manuscript.

38 Discrepancy Overlay:

A discrepancy overlay has been prepared to accompany this map manuscript. On it are noted requests for additional information needed to make this map manuscript complete. Questions concerning correct inter-

Respectfully Submitted:
January 16, 1943

Calvert J. Cahn
Calvert J. Cahn
Photogrammetric Aid

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

William H. VanLoon
William H. VanLoon
Pr. Photogrammetric Aid

Compilation of Map Manuscript
Supervised by:

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

and

Joseph Steinberg
Joseph Steinberg
Asst. Photogrammetric Engineer

Approved & Forwarded:
January 18, 1943

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

38 Discrepancy Overlay: (cont'd)

pretation, comments, and notes such as are deemed likely to be of assistance in the course of the field edit, have also been included. Also shown for the records of the Baltimore Compilation Office, are the names or numbers of bench marks.

39 Horizontal Accuracy:

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

40 Recommendation for future survey:

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

41 Junctions:

The following satisfactory junctions have been made with Survey T-8137:

To the South: Survey T-8148

To the West: Survey T-8138

There are no contemporary surveys to the North or East of this map manuscript.

42 Geographic Names:

Attached to this report is a list of undisputed and disputed geographic names as compiled by the field inspection party on the 15 min. Point Lockout U.S.G.S. Quadrangle covering the area of this survey.

43 Remarks:

The Description of Area, as given in the Field Inspection report which is herewith submitted, is considered adequate and complete, and no additional remarks on this subject are deemed necessary in this report.

44 Comparison with Existing Topographic Quadrangles:

Because of great scale difference, no accurate comparison of this survey with the U. S. Geological Survey Quadrangle of this area is practicable, but a visual inspection shows them to be in good agreement.

45 Comparison with Nautical Charts:

This survey is within the limits of chart 1224, published March, 1941; scale 1:80,000 and chart 557 published September, 1930; scale 1:40,000. There seems to be no appreciable difference between topographic features on the charts and the map manuscript.

FIELD EDIT REPORT
TO ACCOMPANY
DESCRIPTIVE REPORT FOR T-8137

46. The field edit was accomplished mainly by a visual comparison of the map manuscript and the topographic features and inked on a smooth copy of the map manuscript in the office.

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, elevations by topo. -	Brown
Drainage features -	Blue
Civil boundaries -	Violet

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

48. The vertical accuracy is believed to comply with the specification. The vertical accuracy tests are the subject of a special report on Project CS-278-A submitted by Lieutenant G. R. Fish.

The horizontal accuracy tests were run in Quadrangles Nos, T-8138 and T-8148.

14. Due to naval construction and heavy traffic in this vicinity, the roads, which are of light structure, are in very poor condition and are poorly maintained.

Respectfully submitted,

Orvis N. Dalbey, Jr.

Orvis N. Dalbey,
Photogrammetric Aid.

Approved and forwarded:

F. L. Gallen

F. L. Gallen,
Chief of Party.

GEOGRAPHIC NAME LIST

UNDISPUTED NAMES

Biscue Pond
Blue Gull Hill
Elm Pond
Filbert Pond
Malone Bay
Peters Pond
Point No Point
Point No Point Lighthouse
St. Clarence Creek
St. Jerome Beach
St. Jerome Creek
St. Jerome Neck
Taylor Cove
Three Notch Road

GEOGRAPHIC NAME LIST

RECOMMENDED NAMES

Carroll Pond
Dameron

DISPUTED NAMES

Wheatley Pond
Trap

T-8137

Remarks

Decisions

1		381763
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9	NOT a Settlement according to Heck.	"
10		"
11		" U.S.G.B.
12		"
13		"
14		382763
15	omitted from Black plate, only Marsh shown	"
16		381763
17		USGB
18		Usqb
19		County Map
20		Road Maps.
21		
22		
23		
24		
25		
26		
27		
28		

GEOGRAPHIC NAMES

Survey No. T-8137

Point No Point quadrangle

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	
✓ Point No Point	✓								1
✓ St. Jerome Beach	✓								2
✓ St. Jerome Creek	✓								3
✓ St. Jerome Neck	✓								4
✓ Point No Point Lighthouse	✓								5
✓ Peters Pond	✓								6
✓ Malone Bay	✓								7
✓ Taylor Cove	✓								8
✓ Blue Gull Hill	✓								9
✓ Three Notch Road	✓								10
✓ Dameron	✓								11
✓ St. Clarence Creek	✓								12
✓ Carroll Pond	✓								13
✓ Biscue Pond	✓								14
Elm Pond									15
✓ Filbert Pond	✓								16
✓ Chesapeake Bay	✓								17
✓ St. Marys County	✓								18
✓ St. Inigoes No. 1	✓	(political subdivision)							19
✓ Md. Highway No. 235	✓								20
									21
									22
									23
									24
									25
									26
									27

Name underlined in red approved
by L. Heck on 5/26/43

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

FIELD EDIT

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

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

PROCESSING IN THE WASHINGTON OFFICE

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

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

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8137

POINT NO POINT 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 See the Descriptive Report for T-8148 for a copy of the result of the closest horizontal accuracy test comparisons. This test was accepted as satisfactory. The closest vertical accuracy test was performed on T-8138 on a field photograph. This test was reported satisfactory by the field party; it could not be identified during review.

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- 257	1:20,000	1848	
T- 458	1:20,000	1849-56	
T-2993	1:20,000	1908-09	
T-4444	1:20,000	1929	
"Point Lookout"	1:62,500	1912	U.S.G.S.

Comparison with Nautical Charts Nos. 557 and 1224

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 exist.

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

Only minor corrections were necessary.

Reviewed 5/6/43 By Creighton O. De Marr
under direction of D. H. Benson *per H.C.R.*

Inspected by B. G. Jones *B.G.J.*

Examined and approved:

Robert W. Knap
Chief, Surveys Branch

K.T. Adams
Chief, Topography Section

F.S. Borden
Chief, Div. of Charts

G. H. Hude
Chief, Div. of Coastal
Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8137

Record of Application to Charts

[illegible]

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.