**U. S. COAST AND GEODETIC SURVEY**
**DEPARTMENT OF COMMERCE**

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th><strong>Air Photographic</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>Office No. <strong>T-8156</strong></td>
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**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>Maryland</th>
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<tbody>
<tr>
<td>General locality</td>
<td>Chesapeake Bay</td>
</tr>
<tr>
<td></td>
<td>(Eastern Shore)</td>
</tr>
<tr>
<td>Locality</td>
<td>Whittington Pt. (Green Run)</td>
</tr>
</tbody>
</table>

**CHIEF OF PARTY**

| L. N. Swanson   | Fred. L. Peacock   |

**LIBRARY & ARCHIVES**

**DATE** August 22, 1946
DATA RECORD

T- 8156

Quadrangle (II): Whittington Pt. (Green Run)  Project No. (II):
          : CS-278 B

Field Office:  Chief of Party:
             War Mapping Field Party #1      Lieut. Comdr. Wm. D. Patterson
Compilation Office:  Chief of Party:
         Baltimore, Maryland            Commander Fred. L. Peacock

Instructions dated (II III):
      March 4, 27; August 13;       Copy filed in Descriptive
      June 5, 24; Sept. 4           Report No. T- (VI)

Completed survey received in office:  1/2/42

Reported to Nautical Chart Section:  1/42
Reviewed:  1/25/43  Applied to chart No.     Date:
Redrafting Completed:  2/1/43
Registered:  8/46  Published:  4/22/43

Compilation Scale:
1:20,000 x 0.986 = 1:19,720
Published Scale:  1:31,680
Scale Factor (III):  1.014

Geographic Datum (III): N.A.1927  Datum Plane (III): Mean Sea Level
Reference Station (III): Turnagain, 1907, 1933

Lat.: 38° 05' 28.341"  Long.: 75° 13' 28.065"  Adjusted
     873.8 m (976.1)       683.9 m (778.2)

State Plane Coordinates (VI):
          Md.  Coordinate System, Single zone

\[ x = 1,311,018.56 \quad y = 98,881.36 \]

\[ x = 2,942,578.81 \quad y = 656,394.65 \]

Military Grid Zone (VI) "A"
PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>* 8776-8778</td>
<td>4/14/42</td>
<td>2:14 P.M.</td>
<td>1:20,000</td>
<td>Atlantic Tide</td>
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<td></td>
<td></td>
<td></td>
<td>Chincoteague Bay Tide</td>
</tr>
<tr>
<td><strong>1-281 to 1-284</strong></td>
<td>Unknown</td>
<td>Unknown</td>
<td>Enlarged</td>
<td>Unknown</td>
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<td></td>
<td>0.4' above MW</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.3' above MLW</td>
</tr>
</tbody>
</table>

Tide from (III): Sandy Hook, N.J., with time correction to North Beach Coast Guard Station for Atlantic Tide, and with time correction to Snow Hill Landing for Chincoteague Bay Tide.

Mean Range: (North Beach C.G.S. 3.4') Spring Range: (North Beach C.G.S. 4.1')
(Snow Hill Landing 0.4')

Camera: (Kind or source) U.S. Coast & Geodetic nine-lens camera, focal length 8 1/4". **Single lens camera, focal length 4", commercial contract.

Field Inspection by: War Mapping Field Party No.1
Party under Lieut. Comdr. Wm. D. Patterson
date: Spring and Summer, 1942

Field Edit by:
date:

Date of Mean High-Water Line Location (III): Date as given for above mentioned photographs.

Projection and Grids ruled by (III) Washington Office
date: Unknown

" " " checked by: Washington Office
date: Unknown

Control plotted by: James J. Brazil
date: Aug. 26, 1942

Control checked by: J. E. Deal, Jr.
date: Aug. 26, 1942

Radial Plot by: J. E. Deal, Jr.
date: Sept. 2, 4, 1942

Detailed by: James J. Brazil
date: 9-29-42 to 10-30-42

Reviewed in compilation office by: Wm. H. VanLoon
Carl W. A. Supp
date: 10-31-42

Elevations on Field Edit Sheet
checked by: No elevations given on field inspection
date:
STATISTICS (III)

Land Area (Sq. Statute Miles): 6.10

Shoreline (More than 200 meters to opposite shore): 25 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 57 Statute Miles

Number of Recoverable Topographic Stations established: Four

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) – miles: None

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.8276-B, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

The general procedure in the production of this and the adjoining quadrangles was:

FIELD SURVEYS

Aerial photography with the Coast and Geodetic Survey nine-lens camera, with airplane and flight crew furnished by the U. S. Coast Guard. The photographs were taken to the scale of 1:20,000. This photography was supplemented by 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 platemaker 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 or a copy of the manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planimetric 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.
CONTROL:

There are three U.S. Coast and Geodetic Survey triangulation stations and one reference mark station within the detail limits of this survey that were used for control. They are:

- Turnagain: 1907, 1933
- Maryland & Virginia (L.S.S.): 1907
- Pope Island Coast Guard (Va.): 1908
- Pope, R. M. No. 2: 1933

There are two U.S. Coast and Geodetic Survey triangulation stations which fall just outside the limits of the detailed area of this survey that were used for control. They are:

- Beacon Clumps: 1907
- Maryland & Virginia (Pope Island): 1907

It was necessary, due to the alignment north-south of the above described stations, to use additional U. S. C. & G. S. triangulation stations from survey No. T-8155 adjoining to the west, for holding the control on survey T-8156 while cutting in detail points. This was accomplished by matching together the east and west projection lines of survey T-8155 and T-8156 respectively and then fastening the map manuscripts together. The stations that were used are as follows:

- Conner: 1932
- Gilbert's Cupola: 1907
- Landlet, R. M. No. 1: 1907
- Tizz: 1908
- Mill: 1908

The triangulation station, "Green Run L. S. S. Flagstaff", plotted originally on the map manuscript, was not used for control as the geographic position and the radial plot position were found to differ by some 80 meters. A request was submitted to the field party to make an investigation. A letter dated October 21, 1942, from Lieut. Comdr. F. L. Gallen, Chief, War Mapping Field Party No.1, disclosed that the flagstaff was destroyed in 1936 and never rebuilt. A temporary drill pole had been erected 200 feet S.E. of the original flagstaff site and was the object picked on the field inspection photographs. Because of the destruction of this station, it was removed from the compilation.

RADIAL PLOT:

The radial plot for this map manuscript was included in a
combined plot covering several surveys. Notes pertaining to the
combined plot are found in the Report on Radial Plot, Military
War Mapping Project C. S. 273, Sub-Project C.S. 278-B, submitted
by Mr. J. E. Deal, Jr.

DETAIL:

The nine lens photographs were found to be satisfactory and
were used in the office detailing of the shoreline and coastal
features on the map manuscript. The nine lens photographs were
used for the detailing of the above features because of slight
variations noted with the field inspection single lens photo-
graphs. These variations were probably caused by the elapse of
time between the dates on which the nine lens and single lens
photographs were taken, and by the different conditions under
which the two sets of photographs were taken.

The field inspection single lens photographs were used
primarily for the interpretation of land classifications such as
inshore edges of marsh, grass, tree and brush areas. Where the
field inspection photographs did not give complete classification,
the stereoscope was used for interpretation.

The Coast Guard telephone line running parallel to the beach
on the Atlantic Ocean side of the area was not visible on the nine
lens photographs. The position of the telephone line on the field
inspection photographs had been located by the taping, at intervals,
of its distance from the high water line. The position of the
telephone line on the nine lens photographs was located by pricking
upon the nine lens photographs corresponding common points through
which the telephone line cut on the single lens photographs. The
telephone line was then drawn upon the map manuscript from the nine
lens photographs.

MEAN HIGH WATER LINE:

The high water line on the atlantic Coast side of the map
manuscript was drawn as given on the field inspection single lens
photographs. Points, common to detail points on the nine lens photo-
graphs, were pricked along the beach on the single lens photographs,
and the high water line was drawn direct from the single lens photo-
graphs.

The high water line on the Chincoteague Bay side of the map
manuscript followed very closely the high water line as given on
the field inspection photographs. In a few places where the high
water line was not indicated by field inspection, or where it
appeared necessary to make a slight change due to the difference
in conditions at the times of the taking of the two sets of photo-
graphs, a stereoscopic interpretation was made.
LOW WATER AND SHOAL LINES:

Off shore areas on the Chincoteague Bay side of the map manuscript, which appeared on the nine lens photographs to be covered by very little water and which showed a distinct difference in color with the other shoal areas, were outlined as very shoal. All other offshore areas on the Chincoteague Bay side and a narrow strip along the Atlantic Coast side of the map manuscript were designated as shoal. No low water lines were indicated by the field inspection, and therefore, they do not appear on the map manuscript.

HYDROGRAPHIC CONTROL:

There are four hydrographic and topographic stations which may be used by a hydrographic party for future reference. They are:

- Sit 1942
- Fun 1942
- Bud 1942
- Pop 1942

Cards on Form No. 521 are being submitted with this report for the above stations.

MARYLAND STATE GRID:

In matching the projection lines between survey T-8156, and survey T-8128, which junctions with this survey on the north, it was noted that the 110,000 foot Maryland State Grid line, between 38° 07' and 38° 07' 30", did not fall in the same position on both map manuscripts. The lines differed by 1 mm, north-south. It is suggested that this discrepancy be investigated.

COMPARISON WITH EXISTING TOPOGRAPHIC SURVEYS:

The area of this map manuscript is included in the previous topographic survey No. T-4797. However, no copies of this survey were available to the compilation office for comparison.

COMPARISON WITH NAUTICAL CHARTS:

In comparing this map manuscript with Chart No. 1220 issued May, 1938, no change in detail was noticed.

REMARKS:

The positions of well-defined and less well-defined points of the planimetric detail are believed to be within the limits of error specified in the instructions for this project dated March 4, 1942.

A discrepancy overlay accompanies this map manuscript. Notes concerning apparent differences between field inspection data and office interpretation through stereoscopic examination appear thereon. Also noted are requests for additional information needed to make map manuscript complete. Such comments, questions, notes, and suggestions as are deemed likely to be of assistance in the course of the field edit have also been included.
Respectfully submitted,

James J. Brazil
Senior Photogrammetric Aid

Reviewed by,

William H. VanLoon
Princ. Photogrammetric Aid

and

Carl W. A. Supp
Junior Topographic Engineer

Approved by:

L. W. Swanson, Lieutenant
U.S. Coast & Geodetic Survey

Approved and Forwarded:

Fred L. Peacock
Officer in Charge
Baltimore Field Office
FIELD EDIT REPORT
Quadrangle T-8156
Project CS-278-B
F.L. Gallen, Chief of Party

1. The central portion of Assateague Island is the only land area found on this quadrangle. The bay side of the island is wholly marsh land with a few isolated wooded areas. The seaside is sand with numerous, shifting dunes. No cultivated land is present.

14. Roads were classified according to instructions.

15. There were no bridges on this quadrangle.

16. Buildings were classified according to instructions.

17. Political boundaries were obtained from maps issued by the Maryland State Roads Commission and verified in the field.

18. Geographic Names: Refer to Geographic Names Report for project CS-278-B.

46. The field edit of this sheet was accomplished by a two-man party and consisted mainly of visual inspection of interpretation and detail shown on the compilation. By means of a hand level six elevations were shown on the higher sand dunes. As these dunes are unstable, frequently shifting, the elevations shown will vary over a long period of time.

Black ink was used to show the additions. There are no deletions.

The Green Run Inlet Coast Guard Station has been abandoned. Only one small structure is left standing.

47. The map compilation is accurate and complete as shown.

48. For the nearest horizontal test refer to sheets T-8150 and T-8154. As there are no contours on this sheet no vertical accuracy test is shown.

Submitted by

Wendell Bever
Wendell Bever
Photogrammetric Aid

Approved by Charles Komarick
F.L. Gallen, Chief of Party

For discussion of adopted position of Maryland-Virginia Boundary Line see detailed report attached to Descriptive Report T-8154.
GEOGRAPHIC NAMES LIST FOR T-6156

Accomack County
Assateague Island
Bay Creek
Bay Island
Bay Point
Chincoteague Bay
Green Run Bay
Green Run Inlet C.G.S.
Jims Gut
Lone Pond
Middle Marsh
Pirate Island
Pope Island
Pope Island Bay
Pope Island
Pope Island C G S
Rum Harbor Marsh
Scotts Landing
Scotts Marsh
Scotts Point
Sugar Point
Twin Island
Whittington Point
Worcester County

Middlemoor - V548 decision

VS63
Marshall Creek
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<th>Remarks</th>
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<td>5</td>
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<tr>
<td>6</td>
<td>Not Pope Island Bay &quot; USGB</td>
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<td>7</td>
<td>Not Middle Marsh: decision 11/27/42 &quot; &quot;</td>
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<tr>
<td>13</td>
<td>Names Report corrected to Islands &quot;</td>
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<td>Bay Island</td>
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<td>Pirate Islands</td>
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<td>Rum Harbor Marsh</td>
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<td>No. 2 Snow Hill</td>
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<td>Chincoteague</td>
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Names underlined in red approved by L. Heck on 12/3/42
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.

Filed in the Photogrammetric Section—Survey Branch

Field inspection photographs.

Contoured photographs (on which planstable 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-cellsulfid 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-8156

WHITTINGTON 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 For a copy of the results of the nearest horizontal accuracy test refer to page 6 of the Descriptive Report for quadrangle T-8154.

As there is no point within the area of this quadrangle exceeding 11 ft. in elevation, a vertical accuracy test was not performed.

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-264 1:20,000 1850
T-2896 1:20,000 1908
T-4797 1:20,000 1933

"Green Run" 1:62,500 1901 U.S.G.S.

Comparison with Nautical Charts No. 1220

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 minor differences in shoreline were apparent during comparison of this chart and the manuscript.
The following revisions of the map manuscript were found to be necessary and were accomplished as a part of this review:

Only minor changes were necessary during review. For a detailed discussion of the adopted position of the Maryland-Virginia Boundary Line, see the report on page 7 of the Descriptive Report for quadrangle T-8154.

Reviewed 1/25/48
under direction of D. H. Benson

Inspected by B. G. Jones

Examined and approved:

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

Robert W. Weir
Chief, Div. of Charts
Nautical Chart Branch

Raymond C. Lyman
Chief, Div. of Coastal Surveys

Chief, Topography Section
### NAUTICAL CHARTS BRANCH

**SURVEY NO. T-8156**

Record of Application to Charts

<table>
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<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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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.