<table>
<thead>
<tr>
<th>Field No.</th>
<th>Office No.</th>
</tr>
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<tbody>
<tr>
<td>T-8544</td>
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</tbody>
</table>

**LOCALITY**

State: MARYLAND

General locality: PATUXENT RIVER

Locality: ST. LEONARD CREEK

**Project CS-307**

194 2:

CHIEF OF PARTY

R. L. Schoppe

**LIBRARY & ARCHIVES**

DATE: Mar 14, 1961
DATA RECORD
T. T-8544

Quadrangle (II): Project No. (II): CS-307
Field Office: Chief of Party: Ray L. Schoppe
Compilation Office: R. W. Knox

Instructions dated (II III): Copy filed in Descriptive
August 26, 1943; Sept. 4, 1943 Report No. (VI)

Compiled in office: Oct. 1945
Reported to Nautical Chart Section: Oct. 1945

Reviewed: Sept. 16, 1949 Applied to chart No. 553 Date: 9-9-49
Redrafting Completed: Dec., 1949

Registered: February 1, 1951 Published: 1-22-51
Compilation Scale: 1:10,000 Published Scale: 1:10,000

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927 Datum Plane (III): Mean Sea Level
Reference Station (III): Point Farm 1934, r. 1942

Lat.: 38° 23' 31.869" Long.: 76° 30' 25.226" Adjusted
(982.6m) (612.2m) Unadjusted

State Plane Coordinates (VI): Maryland

X = To be added to plates during Y = smooth drafting.

Military Grid Zone (VI) Not shown
### PHOTOS (III)

| Number | Date   | Time | Scale  | Approx Stage of Tide  
|--------|--------|------|--------|-----------------------
| 12527  | 11-27-42 | 2:32 | 1:10,000 | 0.72 Above MLW  
| 12529  | 11-27-42 | 2:33 | 1:10,000 | 0.73 Above MLW  
| 12529  | 11-27-42 | 2:34 | 1:10,000 | 0.73 Above MLW  
| 12535  | 11-27-42 | 2:47 | 1:10,000 | 0.76 Above MLW  
| 12536  | 11-27-42 | 2:48 | 1:10,000 | 0.77 Above MLW  

Tide from (III); Table of predicted tides - reference stations - Baltimore, Maryland, with corrections for Solomons Island, Md.  
Mean Range: 1.2'  
Spring Range: 1.4'  
Camera: (Kind or source) USGS hine-lens camera. (focal length 8†  

Field Inspection by: Wendell Bever Jr., Topo Engr. date: Sept., 1943 and C. O. Rector, Photo Aid  

Field Edit by: Not field edited  

Date of Mean High Water Line Location (III);  
Same as date of field inspection  

Projection and Grids ruled by (III) Washington Office date: Sept. 10, 1943  
" " " checked by: Washington Office date: Sept. 10, 1943  
Control plotted by: S.W. Trow, K.N. Maki  
Control checked by: S. W. Trow, K. N. Maki date: Sept., 1943  
Radial Plot by: S.W. Trow, K.N. Maki date: Sept., 1943  
Detailed by: G. B. Dean date: Oct. 19, 1945  
Reviewed in compilation office by: L. MartinGozic date: Sept. 19, 1949  
Elevations on Field Edit Sheet checked by:
STATISTICS (III)

Land Area (Sq. Statute Miles);

Shoreline (More than 200 meters to opposite shore);

Shoreline (Less than 200 meters to opposite shore);

Number of Recoverable Topographic Stations established, \( \geq \)

Number of Temporary Hydrographic Stations located by radial plot;

Leveling (to control contours) - miles;

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;
PLANIMETRIC AND SHORELINE MAPPING PROJECTS
PH-7 (46)  CS-307 (43)

PH-7 (46) DEL - N.J. - PA., Delaware River
(P) Indicates Planimetric Survey
(S) Indicates Shoreline Survey

CS-307 (43)
MARYLAND, Patuxent River
PLANIMETRIC

76°30'
Field Inspection

Field inspection data for the area of T-8544 are contained in the "Report on Field Inspection, Patuxent River, Maryland" by Wendell Bevar, Jr., and C. O. Rector, dated Sept. 1943.

This report is filed in the Division of Photogrammetry General Files.
COMPILATION REPORT
T-8544

26. Control
The control within the limits of this Map Manuscript is summarized in the report for sheet No. T-8542.

27. Radial Plot
A main radial line plot was completed for the area covered by sheet No.'s T-8542 to T-8546, inclusive.

28. Detailing
The area for the detailing for T-8544 falls within 38°21' to 38°27' North and 76°27' to 76°32' West. It joins T-8543 on the South and T-8545 on the West. The delineation is in accordance with instructions. Topographic features have been detailed from nine-lens photographs by the use of stereoscope (field inspection photographs were not located but probably most of the information has been transferred to the office copies.) The shoreline had been delineated and field checked. This was accepted, but was re-inked, because of the length of time elapsed the ink had dried and flaked off irregularly. The hydrographic stations and permanently marked stations indicated by small black circles along the shoreline were removed and the intervening shoreline filled in. The information relative to these stations and some additional information on the photographs was transferred to an Ozalid print of the shoreline (notations in blue ink). The following nine-lens photographs were used: 12526; 12527; 12528; 12529; 12530; 12535; 12536, dated November 27, 1942, time between 2:00 and 3:30PM, scale 1:10,000. Symbolization is in accordance with the recommended topographic symbols except in the case of outlined wooded areas, which were delineated in green acetate ink.

The area consists of wooded areas of deciduous and coniferous trees and brush; (the symbolization of the wooded area indicated on the photographs has been interpreted and changed to conform with a symbolization of later date) small farms, summer cottages along the shores of the water areas and a few small villages.

The streams were interpreted in the Washington office and delineated in white ink on a set of field photos. These were sent to the field for checking and parts were re-inked in blue. (See report on Field Inspection of Air Photographs by F. L. Peacock, May 10, 1945) This information was transferred to the office prints used for detailing the other features and the classification indicated has been used. (Reference is made to quadrangle "Cove Point, Md.", USGS, 1945.)

Insufficient overlap necessitated some detailing from the outer wings. In some areas only two cuts were possible, particularly between photographs 12525 and 12536; the area im-
Immediately north of the center of Photograph 12536 was not delineated because the intersection of cuts was so indefinite as to be useless. Photograph 12526 was used to obtain three cuts and an additional piece of acetate used to locate the center. The triangles formed by cuts from Photographs 12526, 12527 and 12536 were too great. The exact accuracy in this area is somewhat questionable.

A list of the names used is attached. These were taken from two overlays - one of quadrangle "Leonardtown, Md.", Ed. 1939, USGS, and "Drum Point, Maryland, Ed. 1906, reprinted 1943, and from USCGS quadrangle "Cove Point, Maryland", 1943, road numbers and names from State Roads Commission, highway map, "Calvert County, Maryland," 1937.

29. Supplemental Data
   No supplemental data was furnished the Compilation Office for use in detailing this Map Manuscript.

30. Mean High-Water Line
   The Mean High-Water Line (firm ground) has been detailed in accordance with the data submitted by the Field Inspection Party, and shown on the Map Manuscript with a full heavy-weight black acid ink line.

   The outer limits of marsh areas bordering the Mean High-Water Line have been shown on the Map Manuscript with a full light-weight black acid ink line. The light-weight line is not considered to be the Mean High-Water Line, but is only an indication of the outer limits of low wet land at Mean High-Water.

31. Low-Water and Shoal Lines
   No Mean Low-Water Line or Shoal Line has been shown on this Map Manuscript.

32. Details Offshore from the High-Water Line
   Lights and other offshore features indicated by the field inspection data have been shown on the Map Manuscript.

33. Wharves and Shoreline Structures
   Piers, retaining walls and all other shoreline structures have been detailed in accordance with the field inspection data and shown with the conventional symbols accompanied by descriptive notes.

34. Landmarks and Aides to Navigation
   There are two landmarks recommended for charting by the Field Inspection Party within the area covered by the Map Manuscript. They are:

   Stack, large red brick chimney on SW end of house.
   (And)
   Tank, top and center elevated water tank on a steel structure.
   (Hub) for Review Report June 3d

Form 567 is being submitted for these two landmarks.
The following fixed aid to navigation was recovered by the Field Inspection Party:

Peterson Point Light.

35. **Hydrographic Control**
   No additional hydrographic stations were located other than those established by planetable surveys.

   Form 524 is being submitted for the following recoverable topographic stations: (all established, 1943) filed in Div. Photogr. General Files.

   - **Gable (End)** - SW gable of house
   - **Chimney (Chim)** - White painted brick chimney
   - **Roof (Twin)** - S end, center peak roof between twin chimneys
   - **Chimney (Par)** - S chimney on N section T shaped house
   - **Gable (Try)** - Spire, S gable house
   - **Gable (Gab)** - SE gable boathouse
   - **Corner (Mat)** - SE corner wharf
   - **Gable (Sol)** - NW gable house
   - **Gable (Toy)** - S gable barn
   - **Gable (Sob)** - SW gable barn
   - **Fence (Ren)** - (End fence line and edge of bluff) Standard topographic disc.
   - **Trench (Sub)** - Top and center water tank
   - **Chimney (Amp)** - Chimney on SW end house
   - **Spire** - Spire on N gable
   - **Gable** - SW gable apron.

36. **Landing Fields and Aeronautical Aids**
   There are no landing fields within the limits of this Map Manuscript and no aeronautical aids have been recommended by the Field Inspection Party.

37. **Junctions**
   The Junction to the south with T-8543 and to the West with T-8545 is in agreement.

38. **Geographic Names**
   A geographic names investigation was made for the area of Survey No. T-8544.

   Alphabetical lists of the undisputed and disputed geographic names are contained in a separate Special Report On Investigation of Geographic Names for Project CB-307. Filled in Geographic Names Sect., Div. of Charts.

39. **Horizontal Accuracy**
   The probable error is believed to be within the limits of satisfactory accuracy, that is, not in excess of 0.5mm.

40. **Comparison with Existing Topographic Quadrangles**
   Sheet No. T-8544 was compared with USGS quadrangle, "Drum Point," scale 1:62,500, surveyed in 1990, and revised in 1990 and 1904, and USGS quadrangle "Leonardtown," scale 1:62,500, surveyed in 1953 - 1936. General conformation of shoreline and other detail was in fairly good agreement on the basis of a visual inspection.
The USGS quadrangles have been superseded by the 1944
U.S.E. quadrangle, "Solomons Island", scale 1:31,680 and the
1943 U.S.E. quadrangle, "Cove Point", scale 1:31,680. These
two quadrangles cover the area of the Map Manuscript only as
far west as longitude 76° 30'.

The comparison with the U.S.E. quadrangles was favorable.

41. Comparison with Nautical Charts
Sheet No. T-5544 was compared with Chart No. 553, scale
1:40,000, latest print date 8/11/45. A visual inspection was
made due to the small scale of the chart. The chart was found
to compare favorably with the Map Manuscript.

Respectfully submitted

[Signature]
K. N. Maki

Approved by

[Signature]
L. C. Lande
TO BE CHARTED
TO BE DELETED

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks, be charted on (not charted) on the charts indicated.
The positions given have been checked after listing.

<table>
<thead>
<tr>
<th>NAME AND DESCRIPTION</th>
<th>POSITION</th>
<th>METHOD OF LOCATION</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
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<tr>
<td>Patuxent River, Md.</td>
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<tr>
<td>Stack, large red brick chy. (And) S.W. end house</td>
<td>Lat 38° 23' 658''  Long 76° 30' 614'' N.A. 1927</td>
<td>Air photographic</td>
<td>19486 x 539</td>
<td></td>
</tr>
<tr>
<td>Tank, top &amp; center, elev. water (Hub) tank on steel structure</td>
<td>Lat 38° 22' 1757''  Long 76° 29' 914'' &quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

See Form 567, Sept 21, 1964, recommending deletion of hinge (inluded in ship report).

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.
I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks be charted on (deleted from) the charts indicated.

The positions given have been checked after listing by L. M. Gazik

S. V. Griffith  
Chief of Party

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<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
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<td>(HUB)</td>
<td>38-22</td>
<td>757</td>
<td>76-29</td>
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<td>(at symbol on Md. 265)</td>
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</tbody>
</table>

Names underlined in red are approved 9-19-49. L. Heck

Names checked and approved 2-15-50. A.J. W.
Review Report
Planimetric Manuscript T-8544
September 19, 1949

28 Detailing

Numerous changes were made throughout the manuscript, particularly, to planimetry.

34 Landmarks and Aids to Navigation

Form 567 has been submitted recommending the deletion of TANK (HUB) 1943. It does not appear from stereoscopic examination of photos 12529, 08921, and 08922, that the elevated tank was "Priced direct" as claimed, although it may have been erected at a later date than the date of the photographs.

39 Field Inspection and Special Report


43 Comparison with Contemporary Hydrographic Surveys

| H-6877 | 1:10,000 | 1944 |
| H-6878 | 1:20,000 | 1943 |

The shoreline on the above surveys was taken from this and adjoining manuscripts T-8546, T-8545, and T-8543 before complete compilation and prior to this review during which some minor changes were made.

44 Comparison with Previous Topographic Surveys

| T-812 | 1:10,000 | 1860 (Revised 1908) |
| T-2861 | 1:20,000 | 1908 |
| T-6961C | 1:10,000 | 1943 |

T-6961C contains only a few hydro signal positions in the area of this manuscript.

45 Comparison with Nautical Charts

| Chart 539 | 1909 (Corr. to Jan. 1948) |
| Chart 553 | 1942 (Corr. to Oct. 1948) |

Shoreline differences were noted between this map manuscript and the above-listed charts, particularly, in the conformation of coves and creeks back from the PATUXENT RIVER.
46 Adequacy of Manuscript

The compilation is adequate.

Reviewed by:

L. Martin Gasik

APPROVED BY:

L. V. Levyfield
Chief, Review Section

G. H. Edmonston
Chief, Nautical Chart Branch
Division of Charts

O. J. O'Leary
Chief, Division of Photogrammetry
## NAUTICAL CHARTS BRANCH

**SURVEY NO.** T8S44

### Record of Application to Charts

<table>
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<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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<td>553</td>
<td>E.B. Hunter</td>
<td>Before After Verification and Review</td>
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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.