U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey: PLANTIMETRIC

Field No.: Office No.: T-8545

LOCALITY

State: Maryland
General locality: Patuxent River
Locality: Broome Island and Vicinity

1942-143

CHIEF OF PARTY
R.L. Schoppe, Chief of Party
Div. of Photo., Wash., D.C.

LIBRARY & ARCHIVES

DATE: Mar. 15, 1950
DATA RECORD

T- 5545

Quadrangle (II):

Field Office:  Project No. (II):

Compilation Office:  Chief of Party:  Ray L. Schoppe


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

Completed survey received in office:  8/46

Reported to Nautical Chart Section:  Logis

Reviewed:  Aug 29, 1949  Applied to chart No. 553 Date:  9/49

Redrafting Completed:  Nov 1949

Registered:  July 10, 1949  Published:

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):  Cole 2, 1942

Lat.: 38°23'59.660"  Long.: 76°35'16.048"  Adjusted

(1,539.6m)  (389.4m)

State Plane Coordinates (VI):  Maryland

X =  

Y =  

To be added to plates during smooth drafting.

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

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<th>Scale</th>
<th>Stage of Tide</th>
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<td>1:10,000</td>
<td>0.72' above MLW</td>
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Table of predicted tides - reference station - Baltimore, Md. with corrections for Croome Is. Patuxent R., Md.

Mean Range: 1.3'
Spring Range: 1.5'

Camera: (Kind or source) USC&GS nine-lens camera (focal length 8' inches)

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

Field Edit by: Not field edited date:

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

Projection and Grids ruled by (III) Wash. Office date: Sept. 10, 1943
checked by: Wash. Office date: Sept. 10, 1943

Control plotted by: S. W. Trow and K. N. Maki date: Sept. 1943
Control checked by: date: Sept. 1943

Radial Plot by: date: Sept. 1943

Detailed by: Ann Strauss and K. N. Maki date: April 1946

Reviewed in compilation office by: K. N. Maki date:

Elevations on Field Edit Sheet checked by: Not applicable date:
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: 15

Number of Temporary Hydrographic Stations located by radial plot: 104

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:
Field Inspection

Field inspection data for the area of T-85425 are contained in the "Report on Field Inspection, Patuxent River, Maryland" by Wendell Bever, Jr., and C. O. Rector, dated Sept. 1943.

This report is filed in the Division of Photogrammetry General Files.
26. **Control**

The control within the limits of this map is summarized in the descriptive report for Sheet T-8542.

27. **Radial Plot**

A main radial line plot was completed for the area covered by the numbers T-8542 to T-8546, inclusive.

A complete discussion on the radial plot can be found by referring to the descriptive report for Sheet T-8542.

28. **Detailing**

The entire area for survey No. T-8545 was not delineated due to insufficient photograph coverage. The southwest corner of the sheet is incomplete.

A difference in scale between the photographs and the map manuscript created some difficulty in delineating the area of the map falling on the extreme limits of the photographs.

All roads and buildings in the area of this map were detailed.

Roads were classified by the field inspection party but this classification was limited to the main roads. The classification of minor roads was done by office inspection of the photographs.

The tree and bush areas were not fully classified by the Field Inspection Party. This classification was completed by office inspection of the photographs, and was delineated on the manuscript in green ink.

29. **Supplemental Data**

No supplemental data was furnished the Compilation Office for use in detailing this map.
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 unit and shown on the manuscript with a full heavyweight black ink line.

The outer limits of marsh areas bordering the mean high-water line have been shown on the manuscript with a full light-weight black 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 lines has been shown on this map.

32. **Details offshore from the High-Water Line**

Lights and other offshore features indicated by the field inspection data have been shown on this map.

33. **Wharves and Shore Line Structures**

Piers, wharves, duck blinds 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 Aids to Navigation**

The following fixed aids to navigation were recovered by the field inspection party:

- Broome Island Light
- Island Creek Light
- Battle Creek Shoal Light

35. **Hydrographic Control**

No additional hydrographic stations were located other than those established by planetable surveys.
Form 524 cards are being submitted for the following 15 recoverable topographic stations:

- (Guy) - base of cedar standard topographic disc
- (Ban) - S.E. gable house
- (Wit) - East gable
- (Are) - East gable, barn
- (Cut) - South gable, house
- (Car) - Flag pole
- (Cob) - (S.W. corner sandspot) Standard topographic disc
- (Roe) - N.W. gable, Bldg.
- (Tan) - Water tank
- (Tip) - Windmill
- (Ion) - East gable
- (Aye) - E. gable, house
- (Yes) - Elev. tank
- Cole 2 - (Az. mark) 1942
- Dixon - R. M. 2 (Az.) 1934

36. **Landing Fields and Aeronautical Aids**

There are no landing fields within the limits of this map and no aeronautical aids have been recommended by the Field Inspection Unit.

37. **Junctions**

The junction to the east with T-8544 and to the north with T-8546 is in agreement.

38. **Geographic Names**

A geographic names investigation was made for the area of survey No. T-8545.

Alphabetical lists of the undisputed and disputed geographic names are contained in a separate Special Report on Investigation of Geographic names for Project C. S. 307. See attached list of approved names. See also item 39.

39. **Horizontal Accuracy**

The probable error is believed to be within the limits of satisfactory accuracy, that is, not in excess of 0.5 MM.
40. **Comparison with Existing Topographic Quadrangles**

Sheet No. T-8545 was compared with U. S. G. S. quadrangle, Leonardtown, Md., 1:62,500 surveyed in 1933-36. A visual inspection failed to show any large differences between T-8545 and the quadrangle.

41. **Comparison with Nautical Charts**

Sheet No. T-8545 was compared with chart No. 553, scale 1:400,000, latest print date 8-11-45 and chart No. 539, scale 1:400,000 latest print date 10-6-45. The comparisons were favorable with no large differences evident on visual inspection.

Approved by:  
L. C. Lande

Submitted by:  
K. N. Maki
List of Photo Hydro Points

T-8545

ATE 1943 - small banner on marsh tossock
HOE lone pine 30m north of marsh point
AXE end of small dock
CAT banner on 2 x 4 on marsh point
HIP lone cedar on end of fence
ADD South end of heavy bushes on marsh point
CUT South gable yellow house on point between two creeks
HOP leaning lone cedar near old house
AWE end of small dock
COW northeast gable tin roof barn
AYE small dead cedar at foot of bank
HAS west end of small dock
COY group of 3 cedars on point
ALL flag on small 2 x 4
DAB point of marsh, near barge
HIS north gable of most northerly yellow cabin
AIM small dock on west side of point between two creeks
DUB southwest end of small dock
HAT east gable of 2 story tin roof barn
DIE wide banner on marsh point
HIT 2 x 2 on marsh point
ANT center of small gray tool shed
HOT 1 x 2 spliced pole on end of marsh point
ART end of small dock on west side of creek
DOE end of dock near small green house
- HUT- south gable white house with green roof
- ACT- end of marsh point
- DID- south gable brown shingle house
- HEW- north gable, white house with black roof
- APE- east gable tool shed at marine railway
- DIG- derrick on end of wharf
- HOW- north gable of gray store
- AIL- pole on northeast corner of dock at oyster house
- DUG- south gable of Oysterhouse
- HAY- triangular banner on easterly of 3 pines
- APT- chimney south end of gray shingled house
- DAM- east gable old red roofed barn
- IRE- old stump outside bulkhead
- ARE- east gable of barn
- ANY- square, point of land (duckblind)
- ELM- small signal end fence, top bluff
- BIG- twisted banner, hedge row, top bluff
- EBB- south gable large white house, green roof
- BOG- west gable small shingle house (lower front gable)
- EWE- triangle signal marsh point
- FAD- large signal, point of marsh
- EYE- small boat house, small square
- BUG- gable of small building white square
- ELF- bow of wrecked boat
- BAD- small signal point of marsh
- GAG- center end rock
- EGG- center end rock
BED- south gable tool shed
FAG- small triangular signal point of marsh
HAM- small lone cedar
EKE- corner wooden bulkhead
BID- end of small pier
FAN- flag-marsh point
HEM- south gable unpainted barn
BUD- large twisted signal fence at marsh line
FAR- flag on lone cedar tree
EAT- southeast gable oyster house
BAN- southeast gable house
BOY- small banner - fence and water line
GIN- flag on dead snag
JAB- flag on duck blind
EFP- square, cedar on bluff
GUY- H & T monument at base of cedar tree
CAN- square signal on cedar, marsh point
BEN- square signal marsh point
FAT- square signal - end of overhanging tree
KEG- square signal marsh line and dock
MAD- flag on lone cedar
NOW- square flag marsh point
PIT- square flag on marsh poing
ROY- large signal - marsh point
TAB- square signal fence post on marsh point
MUD- square flag, marsh point
EVE- large square, marsh point
BON- flag on leaning locust
JOY- north gable on shed
JAY- flag on large tree (poplar)
FOB- cedar tree on high bluff
FIB- flag, tangent to road extended to grass line
FOB- tall square, grass line
ROE- northwest gable of summer camp (Recoverable)
DIM- lone cedar
FIT- flag, marsh point on island
SEA- flag, marsh point on island
PEW- flag on small sycamore
SAC- flag in small cove
FAY- cedar tree on point
SON- flag on marsh tump
GAY- triangle on marsh point
SIS- flag on marsh point
HOD- marsh point
TUB- flag in small cove
HUM- group of cedars
TIM- flag on marsh point
IRA- tall cedar on high bluff
TEN- flag on dead stump
ION- east gable white house
URN- end of long dock
INK- north chimney on tall house
DOT- signal, end of marsh point
IMP- Hour glass signal, point of marsh
SIE- signal - small cove - end of fence
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Names underlined in red are approved. 8-19-49

L. Heck

\[ V = \text{Name checked + Approved} \]

2-15-50

A. J. U.
27. Detailing

Streams and drainage were identified with difficulty in both field and office due to dense tree growth and delineation of these features is as complete as available data will allow.

34. Landmarks and Aids to Navigation

Forms 567 (copy included in Descriptive Report for T-8542) and 524 have been submitted for the following: GAHLE (X), 1943 and TANK (YES) (ELEV.), 1943.

See Form 567 included in Descriptive Report for T-8542.

39. Field Inspection and Special Report


43. Comparison with Contemporary Hydrographic Surveys

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

The shoreline on the above surveys was taken from this and adjoining manuscripts, T-8546 and T-8544, 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 1903)
| T-2861 | 1:20,000 | 1908

Other than soundings and shoreline delineation, T-812 has little topographic or planimetric information. Such shoreline changes as were noted are more specifically related in item 45, directly below. T-8545 supersedes the above surveys for nautical charting purposes.

45. Comparison with Nautical Charts

Chart 553 | 1:40,000 | 1934 (corr. to 1948)

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

The compilation is adequate for completeness and accuracy.

Reviewed by: L. Martin Gazik

Under the direction of: L. K. Griffith

Technical Assistant to the Chief Division of Photogrammetry

Chief, Review Section

Chief, Nautical Chart Branch

Chief, Division of Photogrammetry

Chief, Division of Coastal Surveys
## Record of Application to Charts

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<td>9-49</td>
<td>553</td>
<td>&quot;C. H. K. &quot;</td>
<td>Before After Verification and Review</td>
</tr>
</tbody>
</table>

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.