

8545

8545

Diag. Cht. No. 77-5

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey PLANIMETRIC

Field No. _____ Office No. T-8545

LOCALITY

State Maryland

General locality Patuxent River

Locality Broome Island and Vicinity

1942-'43

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE MAY 18 - 1950

DATA RECORD

T- 8545

Quadrangle (II):

Project No. (II):

Field Office:

Chief of Party: Ray L. Schoppe

Compilation Office:
Washington, D. C.Chief of Party: K. T. Adams
*Chief, Division of Photogrammetry*Instructions dated (II III):
August 26, 1943
Sept. 4, 1943Copy filed in ~~Descriptive~~
~~Report No. T-~~ (VI)
DIVISION OF PHOTOGRAMMETRYCompleted survey received in office: 8/46

Reported to Nautical Chart Section: 10/26

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

Redrafting Completed: Nov. 1949

Registered: July 10, 1950 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): ^{MHW}~~Mean Sea Level~~

Reference Station (III): Cole 2, 1942

Lat.: 38°23'59.660" Long.: 76°35'16.048" Adjusted
(1,839.6m) (389.4m) Unadjusted

State Plane Coordinates (VI): Maryland

X =

Y =

To be added to plates during smooth drafting.

Military Grid Zone (VI) Not shown

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
12526	11-27-42	2:32	1:10,000	0.72' above MLW
12527	"	2:32	"	0.72' " "
12492	"	2:01	"	0.58' " "
12493	"	2:02	"	0.58' " "
12494	"	2:03	"	0.59' " "
12495	"	2:04	"	0.60' " "

Tide from (III): Table of predicted tides - reference station -
Baltimore, Md. with corrections for Broome
Is. Patuxent R., Md.

Mean Range: 1.3' Spring Range: 1.5'

Camera: (Kind or source) USC&GS nine-lens camera
(focal length 8 1/2 inches)

Field Inspection by: Wendell Bever, Topo. Engr. date: Sept. 1943
and C. O. 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: B. 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~~ ~~73~~ 15

Number of Temporary Hydrographic Stations located by radial plot: ~~104~~ 107

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-8545
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.

Compilation Report T-8545

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.

Sheet 3.
T-8545

Form 524 cards are being submitted for the following 15 recoverable topographic stations:

	(Guy)	- base of cedar standard topographic disc
Gable	(Ban)	- S.E. gable house
Gable	(Wit)	- East gable
Gable	(Are)	- East gable, barn
Gable	(Cut)	- South gable, house
Flagpole	(Car)	- Flag pole
	(Cob)	- (S.W. corner sandspot) Standard topographic disc
Gable	(Roe)	- N. W. gable, Bldg.
Tank	(Tan)	- Water tank
Windmill	(Tip)	- Windmill
Gable	(Ion)	- East gable
Gable	(Aye)	- E. gable, house
Tank	(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.
Review Rpt for file data.*

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.

Sheet 4
T-8545

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 1:40,000, latest print date 8-11-45 and chart No. 539, scale 1:40,000 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
K. N. M.

List of Photo Hydro Points

T-8545

- ATE- 1943 - small banner on marsh tosock
- 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
- EPP- 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

- EON- 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
- BEG - signal - small cove & end of fence

GEOGRAPHIC NAMES

Survey No.

T-8545

GEOGRAPHIC NAMES											
Survey No.											
T-8545											

GEOGRAPHIC NAMES

Survey No.

T-8545

2	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
✓	<u>Hillville</u>									1
✓	<u>Sandgates</u>									2
✓	<u>Cat Creek</u>									3
✓	<u>Queen Tree Landing</u>									4
✓	<u>Coatigan Run</u>									5
										6
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Names underlined in red
are approved. 8-19-49

L. Heck

✓ = Names checked & approved

2-15-50

A. J. W.

Review Report
Planimetric Manuscript T-8545
August 29, 1949

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: GABLE (~~8/E~~), 1943 and TANK (YES) (ELEV.), 1943.

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

39. Field Inspection and Special Report

A Field Inspection Report, dated 1943, by R. L. Schoppe, and a Special Report dated May 10, 1945, by F. L. Peacock, are filed separately in the ⁸⁻⁷⁻⁴⁵file of the Division of Photogrammetry.

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 1908)
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)
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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.

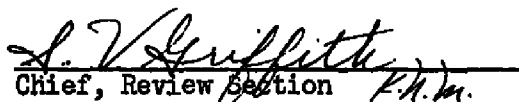
46. Adequacy of Manuscript

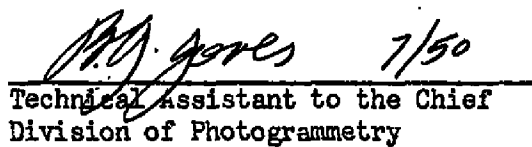
The compilation is adequate for completeness and accuracy.

Reviewed by:

Under the direction of:

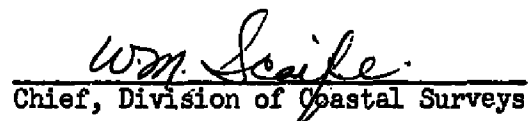

L. Martin Gazik


Chief, Review Section *L.H.M.*

 7/50
Technical Assistant to the Chief
Division of Photogrammetry


Chief, Nautical Chart Branch


Chief, Division of Photogrammetry


Chief, Division of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. 78545

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.