

4706

U. S. COAST & GEODETIC SURVEY
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Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton *Director*

State: Maryland

DESCRIPTIVE REPORT

Topographic } Sheet No. C 4706
Hydrographic }

LOCALITY

Wicomico River (Central Portion)

Project No. 88

19.32

CHIEF OF PARTY

E. H. Bernstein, H. & G. Engr.

U. S. GOVERNMENT PRINTING OFFICE: 1928

4706

DESCRIPTIVE REPORT

(To Accompany Topographic Sheet C.

Wicomico River

Instructions dated Aug: 17, 1931.

GENERAL DESCRIPTIONS

The general appearance of the shore on the sheet is marshy with numerous small creeks leading inland. The marsh land is broken at intervals by farms located on firm ground. In shore at distances varying from a few feet to half a mile are patches of wood land, while further back the patches of wood land give the appearance of heavy woodland. There are no towns within the limits of the sheet. At the lower end of the sheet Green Hill Church, an old red brick church is close to the river's edge on the left, and on a ten foot bank. Near the upper limits of the sheet Green Hill Country Club is located on the left. Here there is a golf course, and the club house with flag pole in front is quite close to the river's edge on a ten foot bank.

LAND MARKS

The only land marks of value to navigation in the area covered by the sheet are as listed in the accompanying form.

CONTROL

The control was based upon a scheme of second order triangulation extending from a base on the Western Shore of Chesapeake Bay between stations Point No Point and Calvert. The only main scheme station used on the sheet was station Golf. The others were stations located along the river with third order accuracy.

SURVEYING METHODS

Plane table traverse was used over the entire sheet. The area below station Church was taken from Sheet B. Traverse No. 1 was run from station Church to station Mud with no closing error. Traverse No. 2 was run from station Mud to station Gravel with satisfactory closure and field adjustment was made. Traverse No. 3 was run from station Gravel to station ~~Church~~ ^{Club}. Closure was satisfactory and field adjustment was made. Traverse No 4 was run from station ~~Church~~ ^{Club} to edge of sheet and check was later obtained by running traverse downstream from station Ferry on sheet D. and checking out on common point. The closure was satisfactory and field adjustment was made. The road extending across the sheet was run by taking off at topographic signal "Him" on the river and running traverse No. 5 to station Golf. Closure here was within twelve metres which was considered close enough, and adjustment was made. Traverse was then extended to edge of sheet

with no check at the end. Traverse No. 6 was run from point at junction of dirt road, leading from topographic signal "Him" on river and concrete road, to edge of sheet with no control at the end, *a distance of one mile only. (MS.)*

CHARACTER OF MARSHES

The marshes are not ordinarily covered by high water. They are covered by marsh grass about six or seven feet high during the summer, and are drained by numerous small creeks that wind about in all directions. Many of these creeks are dry at low water and the bottoms are full of very soft mud. The majority of them are not in evidence from the river, being hidden from view by the thick covering of marsh grass.

Respectfully submitted



C. F. Chenworth
Aid, U. S. C. & G. S.

Approved:



E. H. Bernstein
H. & G. Engineer
Chief of Party

REVIEW OF TOPOGRAPHIC SURVEY No. 4706

Title (Par. 56) *central portion of Wicomico River, Chesapeake Bay, Maryland*

Chief of Party *E.H. Bernstein* Surveyed by *G.F. Chenworth* Inked by *G.F. Chenworth*

Ship *Mikawe* Instructions dated *Aug. 17, 1931* Surveyed in *June 1932*

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) ✓
2. The character and scope of the survey satisfy the instructions. ✓
3. The control and closures of traverses were adequate. (Par. 12, 29.) ✓
4. The amount of vertical control that the Manual specifies for -contours-formlines- was accomplished. (Par. 18, 19, 20, 21, 22, 23.)
all low land
5. The delineation of -contours-formlines- is satisfactory. (Par. 49, 50.) *none shown on sheet*
6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) *None submitted*
7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.) ✓ *See Desc. Rep. for description of marshes in this locality.*
8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) ✓
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.) ✓
10. ~~The span, draw and clearance of bridges are shown. (Par. 16c.)~~
11. ~~Locations and elevations of summits are given. (Par. 19, 51.)~~
12. ~~The tree line was shown on mountains. (Par. 16g.)~~

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.) ✓
14. The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control. ✓
15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of IMs and DPs, 68.) ✓ *same as 174-93*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *Filed with letter No 117 of 1933, No duplicate for the Descriptive Report.*
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) ✓
18. The geographic datum of the sheet is *North American* and the reference station is correctly noted. (Par. 34.) ✓
19. Junctions with contemporary surveys are adequate. ✓
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) ✓
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) ✓
22. No additional surveying is recommended. ✓
23. The Chief of Party inspected and approved the sheet and the descriptive report ~~after review by~~

24. Remarks: *Traverse along road should have been tied to*

Reviewed in office by *R. J. Christman Oct. 2nd 1933 road shown on*
4705

Examined and approved:

L. O. Robert
Chief, Section of Field Records

W. H. Ramey
Chief, Division of Charts

Frank B. Brown
Chief, Section of Field Work

G. H. Lude
Chief, Division of Hyd. and Top.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4706

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. C

REGISTER NO. 4706

State Maryland

General locality Chesapeake Bay

Locality Central Portion of Wicomico River

Scale 1 : 5,000 Date of survey June, 1932, 192

Vessel _____

Chief of Party E. H. Bernstein

Surveyed by C. F. Chenworth

Inked by C. F. Chenworth

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated Aug. 17, 1931, 192

Remarks: _____

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Annapolis, Maryland

September 15, 1932

DIRECTOR, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted.

E. H. Bernstein

Chief of Party.

DESCRIPTION	POSITION				DATUM	METHOD OF DETERMINATION	CHARTS AFFECTED
	LATITUDE		LONGITUDE				
	° ' "	D. M. METERS	° ' "	D. P. METERS			
Flag Pole, Green Hill							
Country Club.	38-20	896 [✓]	75-43	936 ⁸	N.A.	Planetable	<i>by [Signature]</i>

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance. The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstuffs and like objects are not sufficiently permanent to chart.