

4691

Graphic Control

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

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: Maryland

DESCRIPTIVE REPORT

Topographic

Hydrographic

Sheet No. A 4691

LOCALITY

Chesapeake Bay

Western Shore of Kent Island

1932

CHIEF OF PARTY

John A. Bond, H. & G. Engr.

Graphic Control

DESCRIPTIVE REPORT

(To Accompany Topographic Sheet A.

Western Shore, Kent Island

Instructions dated July 22, 1932.

GENERAL DESCRIPTIONS

From seaward the coast appears to be slightly rolling and generally wooded or cultivated, with clay cliffs ranging to twenty feet at the waters edge. There is very little marshland, most of the ground being from five to twenty feet above high water and is either in cultivation or wooded.

About seven miles north of Bloody Pt. is Matapeake where there is a ferry landing owned by the Claiborne-Annapolis Ferry Company. This landing is on exposed coast and is protected by stone breakwaters. There is frequent ferry service between the point and Annapolis. Concrete road, leading S. E. from ferry landing at Matapeake and then extending in a North Easterly direction, is the direct road to all points on the Eastern Shore of the Chesapeake Bay.

Broad Creek, about a mile N. E. of Matapeake, was formerly a haven for small boats on the coast but sand bars have made out about the entrance until there is now but a very narrow inlet and but a few feet of water at the mouth. At the south-western edge of Broad Creek and along the Bay front is a proposed Country Club and Subdivision. According to Dr. Cook, whose residence is on this property and who is planning the development, a wharf is to be constructed several hundred meters south of the entrance to Broad Creek.

At the northern end of the Island is the Village of Love Point from which there is railroad service to points on the Eastern Shore and railway ferry service to Baltimore. The village proper is not on the bay side but on the Chester River side. Out side of the high water line there is sand beach for the whole extent of the Island. There is a constant difference of about five meters between high and low water lines.

LAND MARKS

There are no land marks worthy of note on this sheet.

see letter 478-1933

CONTROL

Control points were plentiful, there being second order stations along the shore, supplemented by numerous natural objects such as house gables and chimneys on houses which were cut in from second order stations. In addition to these, light houses in the Bay were also used.

SURVEYING METHODS

Standard Coast Survey methods were used throughout. Practically all set-ups were capable of being checked by resecting from one or more triangulation stations. All closures were satisfactory and whatever slight adjustments that were necessary were made in the field.

CHANGES of COAST LINE

The coast is exposed and there is evidence of considerable washing back. This is borne out by the testimony of residents, and the fact that the old triangulation stations have been washed out.

DISTORTION of SHEET

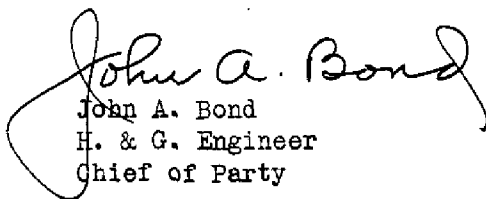
It will be noted that the sheet is considerably distorted, which is due mainly to its having been submerged when a skiff was swamped. The distortion appears to be proportional throughout.

Respectfully submitted



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

Approved:



John A. Bond
H. & G. Engineer
Chief of Party

*Applied to new chart 550
Oct 1934 H.R.*

REVIEW OF TOPOGRAPHIC SURVEY No. 4691

Title (Par. 56) *Western Shore of Kent I., Chesapeake Bay, Maryland*
 Chief of Party *J. G. Bond* Surveyed by *G. F. Chenworth* Linked by *G. F. Chenworth*
 Ship *Mikawae* Instructions dated *July 22, 1932* Surveyed in *Sept. 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, 20.) ✓
4. The amount of vertical control that the Manual specifies for ~~contours-formlines~~ was accomplished. (Par. 18, 19, 20, 21, 23, 25.)
5. The delineation of ~~contours-formlines~~ is satisfactory. (Par. 49, 50.) *Terrain "low, no contours on the sheet, some few elevations are shown in red. There is no explanation on chart, descriptive report or title sheet regarding elevations. Elevation datum not stated.*
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. 33.)
7. High water line on marshy and ~~mangrove~~ coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.) ✓
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.)
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 a topo-topography relative to type of photographs, method of compilation and type of ground control.~~
15. ~~No~~ descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except sealing of IMs and DPs, 68.)
16. ~~No~~ list of landmarks for charts was furnished on Form 567. (Par. 16d, e, 60.) *The descriptive report states there are no landmarks worthy of note.*
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

Reviewed in office by *R. J. Christman April 25, 1933*

Examined and approved:

L. D. Polk

Chief, Section of Field Records

Chief, Section of Field Work

E. W. Pugh

Chief, Division of Charts

G. W. Hude

Chief, Division of Hydrography and
Topography

(NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it! Paragraph numbers refer to those in the Topographic Manual.)

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4691

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. A

REGISTER NO. **4691** **Graphic Control**

State Maryland

General locality Chesapeake Bay

Locality Western Shore of Kent Island

Scale 1 : 20,000 Date of survey September, 1932, 192

Vessel _____

Chief of Party J. A. Bond

Surveyed by C. F. Chenworth

Inked by C. F. C.

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated July 22, 1932

Remarks: _____