

4746a 4746b

Graphic Control

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Form 504  
Ed. June, 1928

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

U. S. COAST & GEODETIC SURVEY  
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State: Maryland

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DESCRIPTIVE REPORT  
4746a

Topographic  
Topographic  
Hydrographic

Sheet No. ~~2~~ B, Ba 4746b

LOCALITY

Chester River \* Kent Narrows and  
Approaches.

1932

CHIEF OF PARTY

John A. Bond

## DESCRIPTIVE REPORT

(To Accompany Topographic Sheet B & Ba.

Kent Island Narrows

Instructions dated July 22, 1932.

Sheet B. surveyed on a scale of 1:10,000 covers the area just east and west of Kent Island Narrows. Sheet Ba, which forms an insert for Sheet B, covers the narrows itself, and was surveyed on a scale of 1:5,000. Sheet Ba is on the reversed side of sheet B.

### GENERAL DESCRIPTIONS

The shore along the northern approaches to the Narrows is mostly cultivated land, wooded in spots and with cliffs ranging to five or six feet in height, except close to the entrance of the Narrows where the ground is mostly marshy. Along the southern approaches and through the Narrows the country is mostly marshy.

The shore line of the northern approaches is broken by small creeks, chief of which are Jackson Creek and Maddy Creek, east of the Narrows and Piney Creek, Macum Creek west of the Narrows.

A small branch of the Pennsylvania Railroad runs through this area, connecting Baltimore, via Love Point Ferry, with points on the Eastern Shore. A good paved highway extends through this area connecting Eastern Shore points with the Love Point and Matapeake ferries.

Both highway and Railroad Cross Kent Island Narrows at the settlement known as "Narrows" which is a small fishing community. Gasoline and a limited supply of provisions may be obtained here.

The draw of the highway bridge is a single bascule operated by machinery and that of the railroad bridge is of the rotating type and operated by man power. Boats may pass through either side when the railroad bridge is open. Both bridges have to open for all but the smallest of launches.

### LAND MARKS

The land marks worthy of note are listed on the accompanying form. Three permanent beacons consisting of white painted tripods, 6 ft. high, were erected at the north end of the narrows as an aid to the Bureau of Lighthouses. (See descriptive Rept. Hyd: 5295)

### CONTROL

The control was very good with frequent triangulation stations except in Kirwans Creek, Macum Creek and in the furthestmost point of Marshy creek where graphic triangulation was extended.

### SURVEYING METHODS

Standard Coast Survey methods were used throughout.

Traverse and resection were used almost entirely with an occasional three point fix. All closures were satisfactory and were adjusted in the field.

CHARACTER of MARSHES

The marshes for the most part are not covered by ordinary high water. They are drained by numerous small streams and are mostly bordered by a thick growth of bushes and grass along the shore. The grass is comparatively short inland.


ADVANTAGES AND DISADVANTAGES of NEW STYLE TOPO SHEET

The surface of the sheet is easy to work on and it takes erasures very well. Several days work were done while a high wind was blowing and the sheet had a distinct advantage over the old type on these days. There was always a neat fit between sheet and alidade throughout the length of the alidade. On several days work was done in foggy, misty and drizzling weather with occasional showers and there were no harmful affects to the sheet. The sheet however was covered with a piece of canvas during showers and at other times was protected as much as possible while working on it by a piece of cloth and the sun shade.

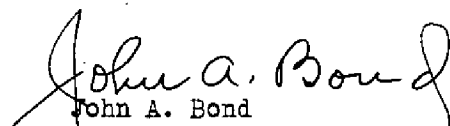
On several occasions it was necessary to carry the table through a dense growth of bushes and on such occasions the usual care could not be exercised in protecting the sheet. Also it is more unhandy to care for than the old type while transporting to and from the working ground.

The principal advantages of the new type seems to be; freedom from distortion, better working surface, and adaptability to adverse weather conditions. The chief disadvantage seems to be unhandiness in carrying around and in protecting it from damage.

Submitted by,

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

Approved:

  
John A. Bond  
Lieut. U.S.C. & G.S.  
Chief of Party

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REVIEW OF TOPOGRAPHIC SURVEY No. 4746

Title (Par. 56) *Vicinity of Kent J. Narrows, Chesapeake Bay, Maryland*

Chief of Party *J. A. Bond* Surveyed by *C. F. Chenworth* Linked by *C. F. Chenworth*

Ship *Mikawe* Instructions dated *July 22, 1932* Surveyed in *Oct. 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*
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.) ✓
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~~ <sup>No</sup> descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of IMs and DP's, 68.)
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *Duplicate filed with Des. Rep H 5295.* ✓
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. *Marsh symbol extends over shoreline of subplan northeast of O Ros. The shoreline at this junction should have been adjusted in the field. The same condition exists at O Crow with respect to the symbol for marsh.*
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) *The name "Maddy Creek" was shown on former survey as "Muddy Creek" and is confirmed by Geological Survey Map, St. Michaels. Chart 548 uses "Maddy"; apparently an error of compiling.*
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.) ✓ *but shows carelessness in effecting junctions between main sheet and sub-plan.*
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:

Reviewed in office by *R. J. Christman, Jan. 11, 1934*

Examined and approved:

*L. O. Lobbit*  
Chief, Section of Field Records  
*L. O. Lobbit*  
Chief, Division of Charts

*H. B. Bodin*  
Chief, Section of Field Work  
*G. H. Hude*  
Chief, Division of Hyd. and Top.

80-DRM

January 27, 1934.

To: Ensign Charles F. Chenworth,  
U. S. Coast and Geodetic Survey,  
Launch MIKAWA,  
P. O. Box 517,  
Brunswick, Georgia.

Through: The Commanding Officer,  
U. S. Coast and Geodetic Survey,  
Launch MIKAWA.

From: The Director,  
U. S. Coast and Geodetic Survey.

Subject: Review of topographic sheet No. 4746 a and b.

Your survey, No. 4746a and b, in Chesapeake Bay, vicinity of Kent Island Narrows, has recently been reviewed by this office. The survey is considered an excellent one.

It has been noted by the reviewer that no descriptions of recoverable stations were accomplished on Form 524. It is desired to maintain a file of these particular cards and your attention is called to this for your future guidance.

(Signed) J. H. HAWLEY  
Acting Director.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. 47462

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. B

REGISTER NO. 47462 **Graphic Control**

State Maryland

General locality Chesapeake Bay

Locality Vicinity of Kent Island Narrows

Scale 1 : 10000 Date of survey October, ~~1932~~ 1932

Vessel \_\_\_\_\_

Chief of Party John A. Bond, H. & G. Engr.

Surveyed by C. F. Chenworth, Aid

Inked by C. F. Chenworth

Heights in feet above \_\_\_\_\_ to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated \_\_\_\_\_ July 22, 1932

Remarks: \_\_\_\_\_

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4746b

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. Ba

REGISTER NO. **4746b**

Graphic Control

State Maryland

General locality Chesapeake Bay

Locality Kent Island Narrows

Scale 1:5000 Date of survey October, 1932, ~~1931~~

Vessel \_\_\_\_\_

Chief of Party John A. Bond, H. & G. Engr.

Surveyed by C. F. Chenworth, Aid

Inked by C. F. Chenworth

Heights in feet above \_\_\_\_\_ to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated July 22, 1932, 192

Remarks: \_\_\_\_\_