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U.S. COAST AND GEODETIC SURVEY
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JUN 2 1933

DESCRIPTIVE REPORT
Topographic | Sheet No. "A" 4712
Hydrographic

LOCALITY
York River, Vicinity of Yorktown

1933

CHIEF OF PARTY
DESCRIPITIVE REPORT

To Accompany Topographic Sheet A. Vicinity of Yorktown, Va. Proj. HT-97

Instructions: May 3, 1933, and April 5, 1932.

Reference: Memo from Chief, Section of Field Records, dated April 11, 1933.

GENERAL REMARKS

The sheet, surveyed on a scale of 1:5000, was executed for the purpose of locating the docks in the vicinity of Yorktown and Gloucester Point.

Usual survey methods, based on triangulation control established in 1904 and 1932, were used.

There are no unusual features of the survey worthy of special comment.

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

Approved:

John A. Bond
U. & G. Engr.,
Chief of Party
This is to certify that topographic sheet A covering the survey of the wharves at Yorktown and Gloucester Point has been inspected and is approved.

John A. Bond
H. & G. Engr.
Chief of Party
REVIEW OF TOPOGRAPHIC SURVEY No. 4712

Gloucester Pt., Yorktown & Vicinity, York River, Virginia

Chief of Party J.A. Bond
Surveyed by C.H. Chanworth
Inked by C.H. Chanworth
Ship Mikawa
Instructions dated Apr. 5, 1932
Surveyed in May 1933

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) O.K.

2. The character and scope of the survey satisfy the instructions. O.K.

3. The control and closures of traverses were adequate. (Par. 12, 29.) O.K.

4. The amount of vertical control that the Manual specifies for contour features was accomplished. (Par. 10, 19, 20, 21, 22, 23.)

5. The delineation of contour features is satisfactory. (Par. 40, 50.)

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.)

7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.) O.K.

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.) Low water line not indicated. No reefs or rocks in this area.

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. 16g.)

11. Sections and elevations of summits are given. (Par. 10, 61.)

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.) O.K.

14. The descriptive report also contains additional information required in exact 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 DMs and DPs, 68.) None furnished

16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 18d, e, 68.) None furnished

17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) O.K.

18. The geographic datum of the sheet is North American Datum and the reference station is correctly noted. (Par. 34.) O.K.

19. Junctions with contemporary surveys are adequate. No contemporary surveys

20. Geographic names are shown on the sheet and are covered by the descriptive report. (Par. 64, 66k.) O.K.

21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 29, 40, 41, 42, 45, 46, 47, 48, 49, 50.) O.K.

22. No additional surveying is recommended. None recommended.

23. The Chief of Party inspected and approved the sheet, and the descriptive report after review by C.F. Chiasson.

24. Remarks: The survey is only intended to supplement the existing surveys by the location of lighthouses and docks. There are no unusual features requiring comment. This survey replaces a survey by H. Oakes in May, 1932. Examinined: E. Chubb.

Examined and approved:

[Signatures]

Chief, Section of Field Records
Chief, Section of Field Work
Chief, Division of Charts
Chief, Division of Hyd. and Top.
April 11, 1933.

SECTION OF FIELD RECORDS

Examination of hydrographic surveys Nos. 5217, a, b, and c, and topographic survey No. 4712,


It is considered that the instructions of April 5 to the Commanding Officer of the GILBERT were not carried out in this survey, especially in regard to the purposes indicated in the first paragraph and to the specific instructions in paragraphs 11, 12 and 15.

The survey departs from standard requirements and violates good practice in some part in its methods and entirely in its submission. It is inadequate for the purpose of compiling the new chart requested by the Navy and approved by the Planning Board. Previous surveys in this vicinity were: topographic, in 1905, and hydrographic in 1911.

For the above reasons it is considered that the survey should not be retained in the files of the Chart Division, but should be returned to the Division of Hydrography and Topography to be retained until such time as it is practicable to complete the survey of the area. The register numbers of the hydrographic and topographic sheets may be reserved.

[Signature]
Chief, Section of Field Records

Approved and forwarded:

[Signature]
Chief, Division of Charts.

The sheets referred to above have been destroyed and new surveys by J. A. Bond in 1933, bearing the same register numbers, have been substituted.

July 6, 1933
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. 4712

STATE: Virginia

General locality: York River

Locality: Gloucester Pt., Yorktown and Vicinity

Scale: 1:5,000

Date of survey: May 17 to 19, 1933

Vessel: KITAVE

Chief of party: John E. Bond, H. & G. Engr.

Surveyed by: C. F. Chenworth, Aid.

Inked by: C. F. Chenworth, Aid.

Heights in feet above ledger to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated: May 3, 1933 and April 5, 1932, 19...

Remarks: ***