

6871

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Form 504 Rev. April 1935	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. C (field)
U. S. COAST & GEODETIC SURVEY LIBRARY AND ARCHIVES	
APR 14 1942	
Acc. No. _____	
State VIRGINIA	
LOCALITY	
JAMES RIVER	
FISHING POINT TO CHUCKATUCK	
CREEK	
1942	
CHIEF OF PARTY	
Harry F. Garber	

6871

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. T6871

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. T6871

State VIRGINIA

General locality JAMES RIVER

Locality ~~CHUCKATUCK CREEK TO FISHING POINT TO CHUCKATUCK CREEK~~

Scale 1:10,000 Date of survey December, 1941

Vessel MOTOR VESSEL GILBERT

Chief of party H. C. Warwick, H. F. Garber

Surveyed by L. G. Taylor

Inked by L. G. Taylor

Heights in feet above MHW to ground ~~to tops of trees~~

Contour, Approximate contour, Form line interval feet

Instructions dated October 11, and 16, 1940

Remarks:

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET C

PROJECT HT - 255

AUTHORITY:

The work on this sheet was done according to Instructions Dated October 11, 1940 and Amended Instructions dated October 16, 1940.

LIMITS AND SCALE:

This area was surveyed on a scale of 1:10,000.

The survey extends from triangulation station ADAM, 1934 near the mouth of Chuckatuck Creek to triangulation station FISHING ECC, 1938, located on Fishing Point.

CONTROL:

The control consists of triangulation on the North American 1927 datum. The triangulation stations were considered numerous enough to make unnecessary any recoverable topographic stations. Cards for two permanent aids to navigation are attached.

SURVEY METHODS:

Standard planetable practices were followed. All planetable positions between triangulation station ADAM, 1934 and JAC, 1934(USE) were obtained by solution of the three-point problem or the resection method. A planetable traverse was run from JAC(USE), 1934 to FISHING ECC., 1938 using three-point fixes and resection for checks whenever possible. The closing error of two meters in the direction of sight at FISHING ECC. 1938 was adjusted in the field. Triangulation station COOPER(VCF), 1941 was located after the topography had been completed. The topographic location agreed with the triangulation position.

CHARACTER OF THE COUNTRY:

The entire shoreline is skirted by a marsh. In complying with the instructions, it was not deemed necessary to locate the inshore edge of the marsh except where it was comparatively close to the shoreline. The bluff and trees along the shoreline were sketched for the most part.

There is a three foot bank extending from JAC, (USE), 1934 to FISHING ECC, 1938 which appears as a solid shoreline when seen from the water. At MHW the ground adjacent to the bank is flooded.

The instructions call for the location of the low water line. It was impractical to determine the low water line without knowing the exact tide due to the flatness of the area. The location of the low water line was accomplished by the hydrographer.

There are numerous stakes in the shoal water close to shore used mostly for marking oyster beds. These were not located as they are brush stakes of a temporary nature.

The marsh grass is mostly flooded at MHW. The grass is short close to the beach and gets longer farther inshore. The appearance from the water is an unbroken shoreline because of the vegetation in the background.

MAGNETIC OBSERVATIONS:

The opportunity did not present itself for the necessary observations to determine the declinatoire error during the field season. The following observations were made.

STATION	DATE	TIME	DECL. VALUE	VAR.
ADAM, 1934	12/10/41	1000	7°47'	6°
JAC, (USE) 1934	12/15/41	1100	6°42'	6°
FIELD, 1934	12/17/41	1000	7°30'	6°

COMPARISON WITH EXISTING SURVEYS:

A satisfactory junction was effected with topographic sheet 6422b, 1934, the marsh line shown agreeing very closely. The instructions given in Field Memorandum No. 1, 1938 were complied with in reference to HWL in marsh areas. No other junctions were made.

The comparison with sheet no. 3045(1910) showed a maximum disagreement of 100 meters at the points checked from JAC, 1934(USE) to FISHING ECC., 1938 possibly due to erosion. Due to the differences in scale a more detailed check was not made.

In checking the latest edition of chart no. 529(Jan. 6, 1942), the following exceptions were noted: The small creek at Latitude 36°56'05, Longitude 76°30'05 is no longer in evidence. In the opinion of the topographer all the shoreline from JAC, (USE) 1934 to FISHING ECC, 1938 should be considered marsh.

There is a small creek at Latitude 36°57'70, Longitude 76°29'55 which is not shown on the chart.

The wreck shown at Latitude 36°56'4, Longitude 76°30'05 is two small oyster boats on the beach.

The piling shown at Latitude 36°56'16, Longitude 76°30'00 and Latitude 36°56'45, Longitude 76°30'15 projects approximately four feet and is of little value to the mariner as a landmark.

In general the shoreline of the chart agrees closely at the points checked with the outside edge of the marsh.

Because of the difference in scale a more detailed comparison was not made.

The small island shown in Ragged Island Creek is not an island, but a low lying peninsula.

DESCRIPTION OF FEATURES:

No outstanding features were observed.

GEOGRAPHIC NAMES:

The following is a list of geographic names appearing on the sheet, which agreed with the names used by the local residents and fishermen:

- Fishing Point ✓
- Capper Creek ✓
- Ragged Island ✓
- Candy Island ✓
- Ragged Island Creek ✓
- Batten Bay ✓
- James River ✓

No names are shown that do not appear on the chart. The numerous small creeks and inlets, so far as could be determined have not been named and were not named by the topographer.

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STATISTICS:

Statute miles of shoreline	6.2
Area in square statute miles	1.0

Respectfully submitted

Lorne G. Taylor

Lorne G. Taylor,
Deck Officer, U.S.C. & G. Survey

Approved and forwarded:

Harry F. Garber
Harry F. Garber,
Commanding Officer,
Motor Vessel GILBERT

All topographic features on this survey are adequately shown on contemporary air photographic surveys T-8062 & T-8054 of 1942. Off shore piles, stakes, etc have been transferred to contemporary hydrographic surveys. No further review by the Hydrographic Surveys Section is necessary at the present time.

R. H. Carstens
4/10/47

Remarks

Decisions

1		369764
2		"
3		"
4		"
5		" U.S.G.B.
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8		369764 U.S.G.B.
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GEOGRAPHIC NAMES
Survey No. **T6871**

GEOGRAPHIC NAMES											
Survey No. T6871											
Name on Survey											
	A, On Chart No.	B, On previous survey No.	C, On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K		
<u>Batten Bay</u>										1	
<u>Candy Island</u>										2	
<u>Capper Creek</u>										3	
<u>Fishing Point</u>										4	
<u>James River</u>										5	
<u>Ragged Island</u>										6	
<u>Ragged Island Creek</u>										7	
<u>Chuckatuck Cr.</u>										8	
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Names underlined in red approved

by L. Heck on 5/7/42

M 234

Names underlined in red approved
by L. Heck on 5/7/42

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOSTAT OF~~

~~No. 14~~

No. T T6871

received April 14, 1942
registered April 16, 1942
verified
reviewed
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
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RETURN TO

82	R. W. Knox
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