Descriptive Report

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<th>Type of Survey</th>
<th>Planimetric Air Photo</th>
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<td>(Shoreline)</td>
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<tr>
<td>Field No.</td>
<td>CS-283</td>
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<tr>
<td>Office No.</td>
<td>T-8082</td>
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**Locality**

- State: Virginia
- General locality: James River Chickahominy River in the vicinity
- Locality: Winns Landing & Oldhouse Landing

- 1941-1943

**Chief of Party**

F. L. Peacock

**Library & Archives**

DATE
DATA RECORD
T-9982

Quadrangle (II); Charles City, Va. (U.S.G.S.) Project No. (II); C.S. 283
15' Quadrangle

Field Office: Air Photographic Party #2 Chief of Party: Fred. L. Peacock

Compilation Office: Chief of Party: Fred. L. Peacock
Baltimore Photogrammetric Office
Instructions dated (II III); Copy filed in Descriptive
March 26, 1942–July 15, 1942, Sept. 30, 1942 Report No. T-
Nov. 14, 1942, and Nov. 24, 1942 VII Photogrammetry Office Files
Completed survey received in office; 31 Oct. 1944

Reported to Nautical Chart Section;

Reviewed: 14 Apr. 1944 Applied to chart No. Date;

Redrafting Completed;

Registered: 2 June 1944 Published;

Compilation Scale: 1:10,000 Published Scale;

Scale Factor (III); none

Geographic Datum (III); N.A. 1927 Datum Plane (III); Mean Sea-Level

Reference Station (III); MINTREE, 1934, F.1943

Lat.: 37°28'08.042" Long.: 77°02'00.480" Adjusted
247.9 (1601.8) meters 11.8 (1462.6) meters Unadjusted

State Plane Coordinates (VI); Virginia South State Grid

X = Y =

Military Grid Zone (VI)
PHOTOGRAPHS (III)

Eastern
Standard

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<tr>
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<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<td>7711-7714</td>
<td>11/26/41</td>
<td>12:35 p.m.</td>
<td>1:10,000</td>
<td>1.3' above M.L.W.</td>
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<td>7756-7759</td>
<td>11/25/41</td>
<td>1:50 P.M.</td>
<td>1:10,000</td>
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Tide from (III): Predicted Tables, Reference Station Hampton Roads with correction for Windsor Shades, Chickahominy River, Va.

Mean Range: 2.4'
Spring Range: 2.8'

Camera: (Kind or source) U.S.C.&G.S. 9 lens camera (focal length 84")
All negatives on file in the Washington Office

Field Inspection by: Lieut. Comdr. Henry O. Fortin  date: February 1943

Field Edit by: None  date: 

Date of Mean High Water Line Location (III): Date of photographs supplemented by field inspection obtained in 1943. Seasons field inspection reports previously submitted.

Projection and Grids ruled by (III) P.J.H.
(Washington Office)
" " " checked by: B.R.C. & J.T.
(Washington Office)
Control plotted by: Ruth E. Rudolph
Control checked by: James L. Harris  

Radial Plot by: J. E. Deal, Jr. & A. C. Rauck, Jr.

Detailed by: Mildred M. Trautman

Reviewed in compilation office by: Henry F. Eichert

Elevations on Field Edit Sheet checked by: Not applicable
STATISTICS (III)

Land Area (Sq. Statute Miles): This Map Drawing includes shoreline and adjacent planimetry only

Shoreline (More than 200 meters to opposite shore): None

Shoreline (Less than 200 meters to opposite shore): 4½ miles
(Measured along approximately center line of stream only)

Number of Recoverable Topographic Stations established: 4
(Including one (1) bench mark)

Number of Temporary Hydrographic Stations located by radial plot: 9

Leveling (to control contours) - miles:

Roman numerals indicate whether the item is to be entered by,

(II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:
SUMMARY TO ACCOMPANY T-8082

T-8082, a shoreline survey, belongs to a series of maps originally intended as planimetric surveys.

The original instructions of March 26, 1942 called for complete field inspection of shoreline and inland details necessary to make planimetric maps, except for the area completed by six Geological surveys between Hopewell and Richmond. Field inspection in the latter area included shoreline, Hydrographic signals, and recovery of horizontal control.

However, one of the areas later assigned to and compiled by this Bureau in the War Mapping Program included practically all of the area of CS-285. Because this new 1:20,000 scale mapping was to cover the entire area from Richmond to the mouth of the James River, this Bureau did not compile nor publish complete planimetric maps of the area. Maps at 1:10,000 scale showing only the shoreline and signals for the control of hydrographic parties were subsequently compiled.

K. N. Maki
26 May 1949
CONTROL:

This map Drawing includes the shoreline and adjacent planimetry of that portion of Chickahominy River, Va. between Winns Landing and Jordans.

There are no United States Coast & Geodetic Survey horizontal control stations falling within the limits of this Map Drawing.

The following U. S. Geological Survey horizontal control stations fall within the limits of this Map Drawing:

U. S. GEOLOGICAL SURVEY TEMPORARY TRAVERSE STATIONS
- ROAD FORKS AT ABANDONED SCHOOLHOUSE, IN LINE WITH ROAD WEST,
  CENTER OF ROAD
- ADAMS STORE 0.5 MILES SOUTHWEST OF CENTER OF ROAD FORKS
- MILEPOST NO. 60 WESTBOUND TRACK
- CHICKAHOMINY RIVER, SOUTH END OF BRIDGE OVER (only sta. within delineated area)
- § Y ROAD EAST
- *SECOND CLASS ROAD EAST

The following stations fall just outside the limits of this Map Drawing:

U.S. GEOLOGICAL SURVEY MONUMENTED TRAVERSE STATIONS
P.T.S. No. 54, 1916
U. S. GEOLOGICAL SURVEY TEMPORARY TRAVERSE STATIONS
PROVIDENCE FORGE, T-ROAD EAST, JUST EAST OF OLD MILL
PROVIDENCE FORGE, ROAD CROSSING AT EAST END OF STATION, EAST
BOUND TRACK
LANE LEADING WEST TO HOUSE
RUTHVILLE, CENTER OF CROSSROADS

The above horizontal control stations were used to establish photograph centers, secondary control points, and detail points.

RADIAL PLOT:

The radial plot for this Map Drawing is a part of the combined Radial Plot for Surveys Nos. T-8073, T-8074, T-8075, T-8080, T-8081, and T-8082, the descriptive report for which will be forwarded to the Washington Office in the near future.

DETAILING:

The Mean High-Water Line, Marsh Line, and adjacent planimetric detail of that portion of the Chickahominy River shown on this Map Drawing have been detailed in accordance with the original instructions dated March 26, 1942, and the Director's letters dated July 15, 1942 and September 30, 1942 pertaining to Project CS 283.

Data pertaining to the Mean High-Water Line and Marsh Line furnished the Compilation Office by the Field Inspection Unit was verified with the aid of the stereoscope and then transferred to the nine lens office photographs.

The temporary U.S.G.S. Traverse stations that are unmarked shall be deleted from the manuscript. Also erase stations that are recognizable fixed features have been retained. K.W.M. 6-6-49
28. DETAILING (Continued)

Portions of the Mean High-Water Line and Marsh Line which could not be definitely determined by the Field Inspection Unit and which were shown on the field photographs by a red dashed line for the Mean High-Water Line or a green dashed line for the Marsh Line were examined under the stereoscope and in all cases could be delineated.

Minor drainage not visible on the photographs was not delineated by the Field Inspection Unit. By careful stereoscopic examination of the photographs, all minor drainage not visible on the photographs flowing into that portion of the Chickahominy River within the limits of this Map Drawing was delineated. It has been shown on the Map Drawing with a light-weight dashed black acid ink line. All minor drainage visible on the photographs has been shown with a light-weight full black acid ink line.

No road classification was included in the field inspection data. They were classified according to the Compiler's interpretation after comparison with other topographic quadrangles.

Tree areas were not classified by the Field Inspection Unit. They have been detailed and shown with the conventional symbols according to the Compiler's interpretation of the office photographs after comparison with similar classified areas.

All buildings adjacent to the shoreline have been detailed on the Map Drawing.

The number of nine lens office photographs covering the area of the Map Drawing was sufficient for detailing and the scale of the photographs was in satisfactory agreement with the scale of the Map Drawing Projection. The spacing of the photographs provided center chamber coverage for the portion of the Map Drawing the Compilation Office had been instructed to detail.

29. SUPPLEMENTAL DATA:

A copy of the U. S. Geological Survey Charles City, Va. 15' quadrangle, edition of 1918, reprinted 1931, scale 1:62,500 was furnished by the Field Inspection Unit.

30. MEAN HIGH-WATER LINE:

The conventional full, heavy and light-weight, black, acid ink lines have been used to differentiate between the Mean High-Water Line and the outer limits of marsh bordering the Mean High-Water Line, respectively. The light-weight line is the indication of low wet land at Mean High Water and is not to be considered the Mean High-Water Line. It is referred to in this descriptive report as the Marsh Line.
31. **LOW WATER AND SHOAL LINES:**

No Mean Low-Water Line has been shown on the Map Drawing and none was indicated by the Field Inspection Unit or visible on the nine lens photographs.

Shoal lines were indicated by the Field Inspection Unit and have been shown on the Map Drawing with a light-weight, short dash, line with the word "shoal" lettered inside the shoal area.

32. **DETAILS OFFSHORE FROM THE MEAN HIGH-WATER LINE:**

The Field Inspection Unit indicated logs in the water along both shores of the Chickahominy River near Whims Landing. Further up the river a tree was indicated in the water. Notes pertaining to these details have been lettered on the Map Drawing.

33. **WHARVES AND SHORELINE STRUCTURES:**

All piers and a catwalk indicated by the Field Inspection Unit have been detailed on the Map Drawing accompanied by pertinent notes.

34. **LANDMARKS AND AIDS TO NAVIGATION:**

No objects were recommended for charting as landmarks. There are no fixed aids to navigation within the area of this Map Drawing.

35. **HYDROGRAPHIC CONTROL:**

The Compilation Office was furnished the identification of nine (9) temporary hydrographic signals and four (4) recoverable topographic stations. These stations were identified on the 1:10,000 field photographs by number and their descriptions listed in a field sketch book (form 217) by corresponding numbers. These stations were transferred to the office photographs and radially plotted on the Map Drawing. The number and description of each of the stations have been lettered on the Map Drawing near the station to which they refer.

Form 524 is being submitted for the four (4) recoverable topographic stations, namely:

- No. 137, LARGE CYPRESS TREE ON POINT
- 141A, ONE STORY COTTAGE
- B.N. V-277, FIRE TOWER (outside of delineated area)

36. **LANDING FIELDS AND AERONAUTICAL AIDS:**

The Field Inspection Unit has recommended the recoverable topographic station, FIRE TOWER, to be charted as an aeronautical aid. Form 567 is being submitted for this aeronautical aid.
37. **JUNCTIONS:**

To the north - no contemporary survey.

To the east - satisfactory junction has been made with Map Drawing for Survey No. T-3081.

To the south - there is no junction of shoreline and adjacent planimetric detail with Map Drawing for Survey No. T-3083.

To the west - there is no junction of shoreline and adjacent planimetric detail with Map Drawing for Survey No. T-3088 - no such map in this area.

38. **GEOGRAPHIC NAMES:**

According to instructions, no geographic names investigation was made for the Area of Survey No. T-3082, by the Field Inspection Unit.

Geographic names as they appear on the Map Drawing were taken from the U. S. Coast and Geodetic Chart No. 530 dated March 6, 1944 and U. S. Geological Survey 15' Quadrangle Charles City, Va.

A list of geographic names, believed to be undisputed, is attached to this report. Approved by [Name], Acting Div. of Charts.

39. **HORIZONTAL ACCURACY:**

The probable error in the relative position of detail points, the Mean High-Water Line and well-defined objects, is believed to be within the limits of satisfactory accuracy.

40. **RECOMMENDATIONS FOR FUTURE SURVEYS:**

This rough draft, shoreline survey of Map Drawing for Survey No. T-3082 is believed to be complete in all details for charting and no other surveys are deemed necessary.

44. **COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:**

Due to scale difference a visual comparison only could conveniently be made with U. S. Geological Survey 15' Quadrangle Charles City, Va. Common planimetric detail appeared to be in generally good agreement.

45. **COMPARISON WITH NAUTICAL CHARTS:**

Comparison was made with U. S. Coast and Geodetic Chart No. 530 scale 1:40,000 by use of the vertical projector. The shoreline was in good general agreement except for minor indentations and protrusions occurring in the Marsh Line. However, in the vicinity of Jordans the course of the
45. COMPARISON WITH NAUTICAL CHARTS: (Continued)

Chickahominy River as shown on the Map Drawing differs from that as shown on the chart. This entire entire area is swamp, and dense trees prevent positive identification of the river in this area. The stereoscope was used to aid in this delineation and it is believed that the course of the Chickahominy River shown on the Map Drawing in the vicinity of Jordans is correct.
Respectfully submitted
October 28, 1944.

Mildred M. Trautman
Mildred M. Trautman
Ass't. Photogrammetric Aid

Compilation and Descriptive Report Reviewed by:

Henry P. Echert
Jr. Photogrammetric Engr.

Compilation of Map Drawing
Supervised by:

J. Edward Deal, Jr.
Ass't. Photogrammetric Engr.

Approved and Forwarded
October 31, 1944.

Fred L. Peacock
Chief of Party, C & G Survey
Officer in Charge
Baltimore Field Office
GEOGRAPHIC NAMES

Undisputed

- Chickahominy River
- Holly Landing
- Jordans
- Oldhouse Landing
- Winn's Landing
- Virginia

X = GN Decision  = Approved name.  9-16-48.  A.G.W.
JAMES RIVER, VIRGINIA
Chickahominy River: Vicinity of Winns Landing and Oldhouse Landing
PART OF PROJECT No. CS-283

List of names, numbers, and descriptions of the Recoverable Topographic Stations, and the numbers and descriptions of the temporary hydrographic stations appearing on Map Drawing No. T-8082.

Number of temporary Hydrographic Stations 9
Number of Recoverable Topographic Stations 3
Total Number of Stations 12

Listed by: Checked by:
Mildred Troutman Henry P. Elchert
134. Northwest corner of pier on South side in front of white cottage with red roof on 15' bank.
135. Point of grass on East side of entrance and small bight on North side of river.
136. Tuft of grass on low point on East side of island on West side of channel.
137. Large cypress tree on point on Northeast side of entrance to bight on West side.
    (Recoverable Topographic Station)
138. Northeast corner of pier in front of cottage on South side.
139. Easterly of two tufts of grass off point on North side.
140. Center of clump of alders in middle of river.
141. Southeast corner of pier on West side.
141-A. East gable of house about 30 meters west of pier.
    (Recoverable Topographic Station)
147. Tip of grass on Northeast side of entrance on creek
149. Point of grass on North side of entrance to bight on West side of river. Bight is Northeast of larger bight.
147. Tip of grass on Northeast side of entrance to creek on Northwest side of river.

B.M. V-277. (Recoverable Topographic Station)
Division of Photogrammetry
Review Report of
Shoreline Map Manuscript T-8082

Subject numbers not used in this report have been adequately covered in other parts of the descriptive report.

43 Comparison with Previous Topographic Surveys

T-1337 b 1:20,000 1874-5
T-2729 a 1:20,000 1874-5

This survey supersedes the previous surveys for all details in the common areas, excepting contours.

46 Application to Nautical Charts

This map manuscript has not been applied to chart No. 530 as of the date of this review.

Reviewed by:

[Signature]
Lena T. Stevens
14 September 1948

Approved by:

[Signature]
Tech. Asst. to the Chief
Division of Photogrammetry

Chief, Div. of Photogrammetry

Under the direction of:

[Signature]
L. J. Griffith
Chief, Revised Section K.N.M.

[Signature]
W. M. Edmondson
Chief, Nautical Chart Branch
Division of Charts

Chief, Div. of Coastal Surveys
### Record of Application to Charts

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A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under “Comparison with Charts” in the Review.