

8079

Diag on Diag. Ch. No. - 78-3

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric Air Photographic Shoreline
Field No.	Office No. T-8079
LOCALITY	
State	Virginia
General locality	James & Chickahominy Rivers
Locality	Brandon to Kennon, Ferry Point to Eagle Bottom
1943	
CHIEF OF PARTY	
Fred. L. Peacock	
LIBRARY & ARCHIVES	
DATE	

B-1870-1 (1)++

8079

PART 1

Form T-1

DATA RECORD

T- 8079

Quadrangle (II):

Toano, Va. (15') U.S.G.S.

Project No. (II):

CS-283 *shoreline*

Field Office:

Air Photographic Party No. 2
Baltimore, Maryland

Chief of Party:

L. W. Swanson &
Fred. L. Peacock
Chief of Party:

Compilation Office:

Air Photographic Party No. 2
Baltimore, Maryland

Fred. L. Peacock

Instructions dated (II III): March 26, 1942

Copy filed in Descriptive
Report No. T- (VI)

Supplemental Instructions dated:

July 15, Sept. 30, Nov. 14, 1942

Completed survey received in office: 17 Dec. 1943

Reported to Nautical Chart Section:

Reviewed: 31 Aug. 1948

Applied to chart No.

5-30 (partial)

Date: 14 July, 1944

Redrafting Completed:

Registered: *Job*
4 Jan 1949

Published:

Compilation Scale: 1:10,000

Published Scale: 1:10,000

Scale Factor (III): None

Geographic Datum (III): North American 1927

Datum Plane (III): *H. M.*
Mean Sea Level

Reference Station (III): DISH 1938, r.1942

Lat.: 37° 16' 36.484" 1124.7m Long.: 76° 59' 06.325" 155.8m Adjusted
~~Unadjusted~~State Plane Coordinates (VI): *Virginia South Zone*

X = 2,440,762.35 ft

Y = 347,034.44 ft

Military Grid Zone (VI)

- 2 -

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
7534 to 7537 Incl.	11/25/41	11:22a.m.	1:10,000	0.3' above M. L. W.
7480 to 7484 Incl.	11/25/41	10:37a.m.	1:10,000	0.6' above M. L. W.
7664	11/25/41	1:53p.m.	1:10,000	0.2' above M. L. W.
7805 to 7806	11/26/41	12:29p.m.	1:10,000	0.4' above M. L. W.

Camera: (Kind or source) U. S. Coast & Geodetic Survey nine lens camera, (focal length $8\frac{1}{4}$ "). All negatives are on file in the Washington Office.

Field Edit by: _____ date: _____

November 25, 26, 1941

Projection and Grids ruled by (III)	J. O'Neill	date:	July 28, 1943
"	"	checked by:	B. R. C.
Control plotted by:	Ada May Hobine	date:	July 28, 1943
Control checked by:	Donald M. Brant	date:	Aug. 2, 1943
Radial Plot by:	Walter E. Schmidt	date:	Aug. 3, 1943
Detailed by:	Florence M. Hammond and Michael G. Misulia (Shore line - rough draft)	date:	Sept., 1943
Reviewed in compilation office by:	Michael G. Misulia & Harry R. Rudolph	date:	November, 1943
Elevations on Field Edit Sheet checked by:		date:	November, 1943 & December, 1943

PART 1

- 3 -

STATISTICS (III)

Land Area (Sq. Statute Miles): One

Shoreline (More than 200 meters to opposite shore): 15.7 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 26.7 Statute Miles

Number of Recoverable Topographic Stations established: Eleven

Number of Temporary Hydrographic Stations located by radial plot: 79

Leveling (to control contours) - miles: None

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:

PART 2

Refer to the Season's Reports of 1942 and 1943 previously submitted by Lieutenant E. B. Lewey and Lieutenant Henry O. Fortin respectively.

PART 3

26 CONTROL:

The horizontal control, as shown on this Map Drawing, consists of twenty-four (24) U. S. Coast & Geodetic Survey Triangulation Stations, and two (2) U. S. Geological Survey Traverse Stations. Five (5) of the triangulation stations are Landmarks and eight (8) have been identified by "Field Inspection Points " (F.I.P.'s). Three (3) of the triangulation stations have not been used to control the radial plot, and they have been indicated by the note "not used" in this report and on the Map Drawing. The Field Inspection Party of 1942, although recovering these stations, probably found it too difficult to identify them on the photographs. In such cases, however, other nearby recovered horizontal control was used, since it could be identified on the photographs. The 3.0mm. black acid ink equilateral triangles, as shown on the Map Drawing, indicate the plotted positions of the control stations, and the red acid ink triangles, the transferred positions as plotted on adjoining map drawings. One of the traverse stations has been shown with a green acid ink triangle, because its position as transferred from an adjoining map drawing is considered relatively weak. The "Field Inspection Points" have been shown with 1.0mm. acid ink squares, except where they were also Temporary Hydrographic Stations, in which cases 2 $\frac{1}{2}$ mm. black acid ink circles were used.

The following thirteen (13) U. S. Coast & Geodetic Survey Triangulation Stations lie within the detail limits of this Map Drawing:

- BACHELOR POINT LIGHT, 1938, r.1942 (Landmark)
- BRAND, 1938, r.1942 (not used)
- BRANDON BOATHOUSE FLAGPOLE, 1938, r.1942
- BRANDON WHARF LIGHT, 1938, r.1942 (Landmark)
- DANIELS, 1938, r.1942 (F.I.P. "SHE")
- DISH, 1938, r.1942 (F.I.P. "CUP")
- GREEN ROOFED HOUSE, NORTH CHIMNEY, 1938, r.1942 (Landmark)
- NUB, 1938, r.1942 (F.I.P. "BUN")
- OLDFIELD, 1938, r.1942
- POTTERY, 1910, r.1938, r.1942 (not used)
- THORN, 1938, r.1942 (F.I.P. "ORN")
- WILK, 1938, r.1942 (F.I.P. "LUM")
- WILK, ECC., 1938

26 CONTROL: (cont'd)

The following control stations lie outside the detail limits of this Map Drawing:

Eleven (11) U. S. Coast & Geodetic Survey Triangulation Stations:

BYRD, 1938, r.1942
FOB, 1938, r.1942
STURGEON POINT LIGHT, 1938, r.1942 (Landmark)
STURGEON POINT LIGHT, SQUARE BRICK STACK, 1938, r.1942
BARRETT, 1934, r.1942 (not used)
BOILER OF WRECK, 1938, r.1942
LARGE GRAY BARN, SOUTH GABLE, 1938, r.1942 (Landmark)
WEEK, 1938, r.1942 (F.I.P. "WE")
WEEK, ECC., 1938
WHARF, 1938, r.1942 (F.I.P. "NAK")
WALKER, 1932, r.1942 (F.I.P. "ABLE") (F.I.P. "LER")

Two (2) U. S. Geological Survey Traverse Stations:

MARKLES STORE, CROSSROADS AT, 1916-1918, r.1942
ROAD FORKS, 1916-1918, r.1942

27 RADIAL PLOT:

Refer to the report on the combined radial plot for the areas of Surveys Nos. T-8075 to T-8079 inclusive, submitted as an appendix to the descriptive report of Map Drawings, Surveys Nos. T-8078 and T-8077.

28 DETAILING:

The planimetric features shown on the shore line, rough-draft Map Drawing, Survey No. T-8079, has been detailed in accordance with the field inspection data unless otherwise noted in this report.

The main bodies of water shown are portions of the James and Chickahominy Rivers, whose extents are bounded by the detail limits of this Map Drawing, i.e. the meridians at $76^{\circ} 52' 30''$ and $77^{\circ} 00' 00''$ from Latitude $37^{\circ} 15' 00''$ to Latitude $37^{\circ} 18' 45''$. Portions of Morris, Gordon, Nettles, Kennon, and Tomahund Creeks were also shown. In general, the shores of the James River consist of narrow sandy beaches and both sides of the Chickahominy River consist mainly of marsh. All of the afore-mentioned creeks are for the most parts bounded by marsh.

28 DETAILING: (cont'd)

Blurred photography, insufficient side lap of adjoining flights, dense vegetation, and deep shadows made it difficult, in the area north of Latitude 37° 18' 00" and west of Longitude 76° 54' 00", to select tertiary points, hydrographic stations, and to detail planimetric features. Thus, the positions of the majority of tertiary *(Photogrammetric)* points and hydrographic stations, determined by radial intersection in this area are believed to be relatively weak.

Delineation of drainage by the Field Inspection Party was inadequate. The location of most of the drainage, therefore, was determined by stereoscopic examination of the photographs.

This Compilation Office has classified all roads on the Map Drawing, when no mention as to their classification was made by the Field Inspection Party.

The scales of the photographs and this Map Drawing are in good agreement.

Since no overlay sheet was necessary, all names and descriptions, pertaining to detail, horizontal and hydrographic control, geographic names, etc., were shown on this Map Drawing.

A list of abbreviations has been shown on this Map Drawing to prevent misinterpretation of the abbreviations used.

30 MEAN HIGH-WATER LINE:

Full, heavy-weight or light-weight black acid ink lines have been used to differentiate between the Mean High-Water Line and the limits of marsh respectively.

The light-weight line, mentioned above, is not to be considered the Mean High-Water Line but only an indication of the limits of low wet land visible on the photographs, which were taken at approximately the time of low-water.

31 LOW-WATER AND SHOAL LINES:

A dashed, light-weight, black acid ink line, accompanied by the word "Shoal", has been used to indicate the approximate outer limits of shoal.

These limits are for use of the hydrographic parties only, and should not be accepted as the low-water line. Grass-in-water areas which were visible on the photographs, have been shown on the Map Drawing with the conventional symbol.

32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE:

A wreck approximately 300 meters west of the mouth of Kennon Creek, has been outlined on the Map Drawing with a dotted black acid ink line. The mast and yard of this wreck is a hydrographic station. Since preference was given the hydrographic symbol, the conventional wreck symbol could not be shown.

37°18'N
76°59'W

Fish traps, where visible on the photographs, have been detailed and shown on the Map Drawing with the conventional symbol accompanied by the note "Fish Trap".

When an object noted by the Field Inspection Party was not visible on the photographs, its approximate position was outlined with dashed, black acid ink lines and accompanied by a descriptive note on the Map Drawing.

33 WHARVES AND SHORE LINE STRUCTURES:

It is believed that all wharves, piers, ruins, piling, fences, etc., have been shown on the Map Drawing with accompanying descriptive notes.

34 LANDMARKS, AIDS TO NAVIGATION AND AERONAUTICAL AIDS:

Five (5) Landmarks, which lie within the detail limits of the Map Drawing, were recommended by the Field Inspection Party. Three (3) of these Landmarks are triangulation stations whose geographic positions are listed in Form 28B, thus, no forms have been submitted. However, they have been noted as Landmarks on the Map Drawing and in paragraph 26 of this report. The positions of the remaining two (2) Landmarks, shown with 2 $\frac{1}{2}$ mm. black acid ink circles on the Map Drawing, have been submitted on Forms Nos. 567 and 524*. They are as follows:

ch 530

No. 393 GABLE, N. E.

368 CHIMNEY, SOUTHERLY OF SEVERAL

✓ W.A.B.

7/14/44

*Form No. 524 has been submitted for each of these Landmarks as they are also Recoverable Topographic Stations.

There were no aeronautical aids recommended for the area of Map Drawing, Survey No. T-8079.

35 HYDROGRAPHIC CONTROL:

The positions of seventy-nine (79) Temporary Hydrographic Stations, and eleven (11) Recoverable Topographic Stations, have been radially plotted and shown on the Map Drawing with 2 $\frac{1}{2}$ mm. black acid ink circles. Two of the Temporary Hydrographic Stations are also

35 HYDROGRAPHIC CONTROL: (cont'd)

"Field Inspection Points" (F.I.P.'s). The names of the Recoverable Topographic Stations were selected by this Compilation Office, from descriptions furnished by the Field Inspection Party.

A list of the stations is attached to this report.

Form No. 524 has been submitted for each of the following eleven (11) Recoverable Topographic Stations:

- No. 379 Cypress in bight
- 386 Cypress, southerly
- 351 Tallest Cypress in marsh (25')
- 369 Cypress in water
- 695 Tallest Cypress of several
- 278 Cypress tree (40')
- 332 Bushy Cypress stump (8')
- 275 N. gable white two story house
- 368 *Chimney, southerly of several
- 393 *Gable, N. E.
- 696 Cypress in water, outer
- *Station is a Landmark and Form No. 567 has also been submitted.

37 JUNCTIONS:

Junctions with Map Drawings, Surveys Nos. T-8078, to the south, and T-8075, to the east, were in good agreement.

No junctions could be made to the north with Map Drawing, Survey No. T-8080 or to the west with Map Drawing, Survey No. T-8084, because the compilation for these map drawings has not as yet been started. These junctions will be made at a later date. *OK*

38 RECOMMENDATIONS FOR FUTURE SURVEYS:

The shore line, rough draft, Map Drawing, Survey No. T-8079 is believed to be complete in all details of importance for charting, and no other surveys are deemed necessary.

(Photogrammetric)
The error in the relative positions of tertiary points and details of importance shown on the Map Drawing is believed to be within the limits of allowable accuracy, except in the area of the Chickahominy River and its tributaries. In this particular area, the error may be as much as 1.5mm. (N.B.) Refer to the appendix of the descriptive report for Map Drawing, Survey No. T-8078 for a more complete discussion concerning the relative accuracy of the positions of secondary points obtained in running the radial plots for the areas of Map Drawing, Surveys Nos. T-8075 to T-8079 Inclusive, of which this Map Drawing is a part.

40 GEOGRAPHIC NAMES: 814

Only a partial investigation of geographic names was made for the area of the Map Drawing by the 1942 Field Inspection Party. This investigation was submitted to this Compilation Office in the form of notes in a copy of the "U. S. Coast Pilot" and on the field inspection photographs.

The geographic names shown on the Map Drawing are in accordance with the field inspection data except in areas not included in this investigation. In such areas, the names shown have been taken from the best known sources available for use by this Compilation Office.

The disputed and undisputed names have been alphabetically compiled in two lists and are submitted herewith.

41 BRIDGES:

A bridge of navigational importance, 1.4 miles north of the mouth of the Chickahominy River, has been detailed on the Map Drawing accompanied by notes pertaining to the vertical and horizontal clearances, together with other pertinent information.

The following discrepancies were noted by this Compilation Office:

The Field Inspection Party of 1942 has listed in a copy of the "List of Bridges Over Navigable Waters of U. S." the following information:

Number of Spans=51

Clear height lowest point of superstructure above H.W.=12.5'

In Sketchbook (Form No. 274), Vol. 1, the 1942 Field Inspection Party notes the following information:

Number of Spans=50

— 50 spans in 1941 Bridge List

Vertical Clearance=12.5'

The vertical clearances as computed from data shown on a 1943 field inspection photograph was found to be 14.6' at Mean High-Water.

→ 13.5' in 1941 Bridge List

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

Toano, Va. Quadrangle (15'), U. S. G. S., 1930 edition, scale 1:62,500.

Because of the difference in scale between the Map Drawing and the Toano Quadrangle, small differences in planimetric features could not be readily compared. The following differences, however, were apparent:

144 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES: (cont'd)

* Numerous roads, along the eastern sides of the Chickahominy River and Tomahund Creek, and along both sides of Morris Creek, as shown on the above-mentioned quadrangle, were not detailed on this Map Drawing as they were not visible on the office photographs, probably because of dense vegetation*. It may be that some of these roads do not exist at the present time.

A bridge crossing the Chickahominy River at Barrets Ferry has been detailed on the Map Drawing. It does not appear on the quadrangle.

A road bordering the eastern shore of James River from Latitude $37^{\circ} 15' 00''$ to Latitude $37^{\circ} 16' 20''$ as shown on the quadrangle was not visible on the office photographs and therefore was not detailed on the Map Drawing.

*A road at Oldfield, as shown on the Quadrangle, is now in ruins and therefore not shown on the Map Drawing.

*Roads at Bachelor Point, as shown on the Quadrangle, were not visible on any of the office photographs, and therefore were not shown on the Map Drawing.

*A road shown on the Quadrangle in the vicinity of Kennon does not appear on any of the office photographs and therefore was not shown on the Map Drawing.

*A road in the vicinity of Trees Point, as shown on the Quadrangle, was not visible on any of the office photographs, probably because of dense vegetation in this area.

*Marsh areas between Trees Point and Oldfield as shown on the Quadrangle were not visible on the office photographs.

Lower Trees Point and Oldfield Wharves shown on the Quadrangle are now in ruins and have been shown as such on the Map Drawing. Ruins of a wharf at Trees Point, as detailed on the Map Drawing, does not appear on the Quadrangle.

* Ruins of a wharf, immediately north of Oldfield Wharf, as detailed on the Map Drawing, do not appear on the Quadrangle.

A pond, at Brandon Point, as detailed on the Map Drawing, does not appear on the Quadrangle.

The shape of Brandon Wharf and the road leading to it, as shown on the Quadrangle, does not agree with the Map Drawing.

*These differences also apply to the Chart No. 530 to be discussed in the following paragraph.

45 COMPARISON WITH NAUTICAL CHARTS:

Chart No. 530, published at Washington, D. C. September 1940, corrected November 26, 1941 and March 25, 1942, scale 1:40,000.

Because of the scale difference between the Map Drawing and the above mentioned Chart, small differences in planimetric features were not readily discernible. The following differences, however, were apparent:

A road bordering the eastern shore of James River just south of The Row, as shown on the Chart, was not visible on any of the office photographs and therefore, was not detailed on the Map Drawing.

A road bordering the western shore of James River running north from Brandon Point as shown on the Chart was not visible on the office photographs and therefore was not shown on the Map Drawing.

A wreck approximately 300 meters west of the mouth of Kennon Creek has been shown on the Chart with a sunken wreck symbol. Since this wreck was visible on the office photographs, which were taken at approximately the time of low-water, it is believed that the stranded wreck symbol should have been shown. The mast and yard of the wreck is a hydrographic station. Since preference was given the hydrographic symbol, the conventional stranded wreck symbol could not be shown and a dotted black acid ink line has been used in outlining the wreck on the Map Drawing.

Houses in the vicinities of Brandon Point and Brandon (village) as detailed on the Map Drawing do not appear on the Chart.

Many of the differences between this Chart and the Map Drawing are the same as those noted on the Toano Quadrangle. These are discussed in paragraph 44 and have been indicated with asterisks.

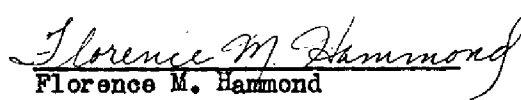
Chart No. 78, published at Washington, D. C., January 1941, corrected January 14, 1943 and February 13, 1943, scale unknown.

Because of the large scale difference between the Map Drawing and the above mentioned Chart, differences in small planimetric details were not readily discernible. However, detail common to both is in fair agreement.

Respectfully submitted,
December 14, 1943


Michael G. Misulia
Michael G. Misulia
Jr. Topographic Engineer

Western Part of Map Drawing
Compiled by:


Florence M. Hammond
Florence M. Hammond
Jr. Photogrammetric Aid

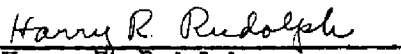
Eastern Part of Map Drawing
Compiled by:


Michael G. Misulia
Michael G. Misulia
Jr. Topographic Engineer

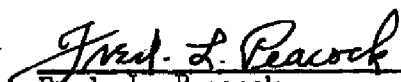
Western Part of Map Drawing
Reviewed by:


Michael G. Misulia
Michael G. Misulia
Jr. Topographic Engineer

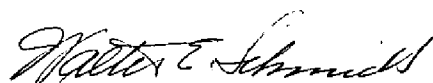
Eastern Part of Map Drawing
and all of Descriptive Re-
port Reviewed by:


Harry R. Rudolph
Harry R. Rudolph
Sr. Photogrammetric Aid

Approved & Forwarded:
December 16, 1943


Fred. L. Peacock
Fred. L. Peacock
Chief, Air Photographic Party No. 2

Supervised by:


Walter E. Schmidt
Walter E. Schmidt
Asst. Photogrammetric Eng.

Part 5

LIST OF GEOGRAPHIC NAMES

Undisputed

- | | |
|---------------------------------|--------------------------------------|
| • Bachelor Point. | ✓ Kennon (village). |
| • Barrets Ferry <i>Bridge</i> . | • Kennon Creek. |
| • Brandon (village). | • Kennon Marsh |
| • Brandon Point. | Lower Trees Point Wharf * |
| • Bush Neck. | • Morris Creek. |
| • Brandon Wharf. | • Nettles Creek. |
| • Chickahominy River. | • Oldfield (village). |
| • Eagle Bottom. | • Oldfield Wharf * (Ruins) ok |
| • Ferry Point. | • The Row (village). |
| • Gordon Island. | • Tomahund Creek. (USBN decision) |
| • Gordon Creek. | • Trees Point. |
| • James River. | |

Disputed

~~Brandon Point Wharf~~

• Ritchie Wharf.

(based on coast
Pilot investigation
for H47 Sec. C)

Names followed by • are
approved. 9/1/48. L. Heck

* Names are o.k. if it is
desired to show them, and
use "(ruins)".

JAMES RIVER, VIRGINIA
James and Chickahominy River
Brandon and Kennon/Ferry Point and Eagle Bottom
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 Survey No. T-8079

Number of temporary hydrographic stations	81
(Numbers 335 and 361 not used)	
Number of Recoverable Topographic Stations	<u>11</u>
Total Number of Stations	92

Listed by:

Michael G. Misulia

Florence M. Hammond

Checked by:

Harry R. Rudolph

- No.
- ✓ 242 East end of duck blind on West edge of channel in middle of river. Blind is made of small pines. (S.S.)
 - ✓ 266 Northeast point of grass on South side of entrance to Nettles Creek. (S.S.)
 - ✓ 267 Point of grass on South side of entrance to ditch on North side of Nettles Creek. (S.S.)
 - ✓ 274 Lone bushy cypress on North side of mouth of Gordon Creek. Duck blind at base. (S.S.)
 - ✓ 275 North gable of white two-story dwelling with galvanized roof on West side of Chickahominy River.
(Recoverable topographic station.) *fm 524*
 - ✓ 276 South end of remains of duck blind Northeast of mouth of Morris Creek. (S.S.)
 - 277 ✓ Lone cypress at edge of water on West shore South of two cypresses in water. (S.S.)
 - 278 ✓ Cypress tree (40') in water just South of 20' cypress in water.
(Recoverable topographic station.) *fm 514*
 - 324 ✓ Lone bushy cypress at H.W.L. on West side of Morris Creek. (S.S.)
 - 325 ✓ Point of grass on North side of entrance to small stream on East side of Morris Creek. (S.S.)
 - 326 ✓ Point of grass on North side of entrance to small stream on West side of Morris Creek. (S.S.)
 - 327 ✓ Point of grass on West side of entrance to small stream on South side of Morris Creek. (S.S.)
 - 328 ✓ Northeast corner of catwalk just North of two boats on beach on West side of Morris Creek. (S.S.)
 - 329 ✓ Point of grass on North side of entrance to small stream on North side of Morris Creek. (S.S.)
 - 330 ✓ Point of grass on West side of entrance to small stream on West side of Morris Creek. (S.S.)
 - 331 ✓ Point of grass on North side of entrance to small stream on West side of Morris Creek. (S.S.)
 - 332 ✓ Bushy cypress stump (8') on point on North side of entrance to stream on East side of Morris Creek.
(Recoverable topographic station) *fm 524*

No.

- 333 ✓ Point of grass on West side of entrance to small stream on North side of Morris Creek. (S.S.)
- 334 ✓ Point of grass at North end of mud shoal. (S.S.)
- 335 Grass patch and log. (Omitted on manuscript.)
- 336 ✓ South tip of offshore grasspatch. (S.S.)
- 337 ✓ West tip of grass on mud shoal in middle of Creek. (S.S.)
- 341 ✓ Northeast corner of pier just North of West end of bridge. (S.S.)
- 342 ✓ Point of grass on North side of entrance to small stream on South side of Tomahund Creek. (S.S.)
- ✓ 343 Point of grass on North side of entrance to small stream on South side of Tomahund Creek. (S.S.)
- ✓ 344 Point of grass on North side of entrance to stream on West side of Tomahund Creek. (S.S.)
- ✓ 345 Tip of grass on South (inside) of bend in Tomahund Creek. (S.S.)
- ✓ 346 Tuft of marsh grass in cat-tails on North side of entrance to ditch just North of large stream on West side of Tomahund Creek. (S.S.)
- ✓ 347 Point of grass on Northwest side of entrance to small stream on South side of Tomahund Creek. (S.S.)
- ✓ 348 Point of grass on South side of entrance to ditch on West side of Tomahund Creek.
- ✓ 349 Point of grass on North side of entrance to ditch on West side of Tomahund Creek. (S.S.)
- ✓ 350 Point of grass on North side of entrance to small stream on South side of Tomahund Creek. (S.S.)
- ✓ 351 Tallest Cypress on marsh point on South side of Tomahund Creek. (Recoverable Topographic Station)
- ✓ 352 Point of grass at entrance to small slough on North side of Tomahund Creek.
- ~~353 Point of grass on South side of entrance to small stream on West side of Tomahund Creek. (S.S.)~~

No.

- ✓ 353 Point of grass on South side of entrance to small stream on West side of Tomahund Creek. (S.S.)
- ✓ 359 Blaze on small cypress on beach at Southerly end of trees along W. L. extending in a Southerly direction from Brandon Wharf.
- ✓ 360 Blaze on large cypress at W. L. on small point about 200 meters Northwest of a fish trap.
- 361 Chimney on Northwest gable of a house under two large deciduous trees. (Omitted)
- ✓ 362 Blaze on cypress on sand beach just South of entrance to small stream.
- ✓ 363 Blaze on cypress in water in front of large gray house with red roof.
- ✓ 364 Vent in center of large gray house with red roof.
- ✓ 365 Blaze on cypress in water in front of large patch of pines.
- ✓ 366 Blaze on cypress in water just North of entrance of a small stream.
- ✓ 367 Chimney in center of old house on bluff.
- ✓ 368 Southerly of several chimneys (on gable facing river) on large brick house in trees. (Landmark) *for 364*
- ✓ 369 Blaze on large cypress in water just off from a double cypress in water. (Recoverable Topographic Station) *for 364*
- ✓ 370 White tree trunk in water about 10' high.
- ✓ 371 F.I.P. "Cup" - large cypress, the northerly of two, and is 13 meters Southwest of triangulation Dish.
- ✓ 372 Blaze on the Northerly side of a clump of cypress trees at W. L.
- ✓ 373 Blaze on cypress on W. L. in front of high dirt bluff.
- ✓ 374 Blaze on small double cypress in water off point South of prominent dirt bluff in bight.
- ✓ 375 Southwest corner of ruins of Oldfield Wharf. Another wharf in ruins just to North.

No.

- ✓ 376 Blaze on cypress in water about 50 meters offshore from prominent dirt bluff in small bight.
- ✓ 377 Cloth on sycamore bush at W. L. on point. Just South of entrance of creek.
- ✓ 378 White tree trunk at W. L. on point.
- ✓ 379 Blaze on large cypress tree in bight. (Recoverable Topographic Station) fm 524

Kennon Creek

- ✓ 373 Point of brush on East side of break in brush and grass on South side of Creek. (S.S.)
- ✓ 374 Mud point on East side of creek. (S.S.)
- ✓ 375 Mud point on East side of creek. (S.S.)
- ✓ 376 Mud point on East side of Water to stream to North. (S.S.)

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- ✓ 380 Blaze on large cypress on North side of entrance of stream.
 - ✓ 381 Small mast and yard on barge. (partially destroyed; see item 10, page 4, Desc. Report of H-7610 (1948))
 - ✓ 382 Highest of the piling constituting remain of wharf.
 - ✓ 383 Chimney in center of old house on bluff.
 - ✓ 384 Blaze on outer of two cypress and limbs (lower ones) are covered at M. H. W.
 - ✓ 385 Blaze on large, bushy cypress in water.
 - ✓ 386 Blaze on Southerly of cypress trees in water off point. (Recoverable Topographic Station) fm 524
 - ✓ 387 Blaze on low, squat cypress in water on North entrance of stream.
 - ✓ 388 Blaze on outer of two cypress trees in water. These two trees connected by a rail.
 - ✓ 390 Outer Duck blind.

- No.
- ✓ 391 Inner Duck blind.
 - ✓ 392 Tall long cypress at W. L. A low cypress bush just North of this tree.
 - ✓ 393 North East gable large, red barn with tin roof. (Recoverable Topographic Station.) *for 524*
 - ✓ 394 Center of "Brandon" sign on P. O.
 - ✓ 395 Stump with grass growing out of it in water and just North of a large, tall pine just at North end of trees along bank.
 - ✓ 396 Stake in clump of grass at mouth of stream. Marked by cloth.
 - ✓ 397 Deciduous bush in clump of grass on W. L. just North of large deciduous trees on bank. Marked by cloth on trunk.
 - ✓ 398 White ornamental gadget in front of seat in lawn on bluff.
 - ✓ 409 40' cypress (lone) 30 meters from edge of grass.
 - ✓ 411 Tip of grass and brush at fork just East of bushy cypress.
 - ✓ 694 ^{pa} Blaze on cypress at W. L. about 50 meters North of patch of lilies.
 - ✓ 695 Tallest and largest cypress of several in marsh on North side of mouth of Gordon Creek. (Recoverable Topographic Station.) *for 524*
 - ✓ 696 Blaze on outer cypress in water on West side of Chickahominy River. (Recoverable Topographic Station.) *for 524*
 - ✓ 697 Blaze on outermost cypress on point near inner end of fish trap.
 - ✓ 698 Sign at Southwest end of bridge.
 - ✓ 699 Light on top of center of draw span of bridge.
 - ✓ 700 Blaze on outer of 3 cypress trees on small point.

No.

- ✓ 701 Northeast corner of old house on bank.
- ✓ 702 "F.I.P. Bun" Blaze on pine tree at low point.
- ✓ 703 Bushes growing out of stump in water. Marked by cloth tied to a limb.
- ✓ 704 Cloth tied to low cypress at W. L. just West of trunk of an old dead tree.
- ✓ 705 East gable of old house on point.

DIVISION OF PHOTOGRAMMETRY
Review Report of
Shoreline Map Manuscript T-8079

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

42. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

H-7021	1/10000	1944
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This hydrographic survey covers only the eastern portion of survey T-8079, - i.e., the Chickahominy River and its tributaries Morris Creek and Tomahund Creek.

The following 41 hydrographic stations are common to T-8079 and H-7021:

No. 274 to 278 incl.	No. 342 to 352 incl.
324 to 334 "	694 to 705 "
336 to 337 "	

43. COMPARISON WITH PREVIOUS TOPOGRAPHIC SURVEYS

T-1337a	1/20000	1873-5	(with contours)
T-1391	1/20000	1874-5	(with contours)

The present survey supersedes the former surveys in their common areas, except for the contours.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

U.S.G.S.	Toano	1/62500	ed. 1918	Rev. 1930
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The field inspection photographs indicated bluff elevations on the eastern shore of the James River as being twenty to forty feet higher than those shown on the quadrangle. After a careful stereoscopic examination of the shoreline plus the comparisons with previous surveys, charts, and quadrangle, the reviewer eliminated all the eighty foot elevations from the map manuscript. While these particular points were higher than the adjacent shoreline, they were in no case double the heights.

Map Manuscript T-8079 supersedes the quadrangle in common area, except for contours and interior planimetry.

46. APPLICATION TO CHARTS

Map Manuscript T-8079 was partially applied to Chart 530 prior to review.

Reviewed by:

Under the direction of:

Lena T. Stevens
Lena T. Stevens,
31 August 1948

S. V. Griffith
Chief, Review Section

APPROVED BY:

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NAUTICAL CHARTS BRANCH

SURVEY NO. 8079

Record of Application to Charts

[illegible]

M-2168-1

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.