**U. S. COAST AND GEODETIC SURVEY**  
**DEPARTMENT OF COMMERCE**  

### DESCRIPTIVE REPORT

**Type of Survey** Planimetric Air Photographic Shoreline

<table>
<thead>
<tr>
<th>Field No.</th>
<th>Office No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>T-8079</td>
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</tbody>
</table>

### 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**
PART 1

DATA RECORD

T-8079

Quadrangle (II): Tano, Va. (15') U.S.G.S.
Project No. (II): CS-263 (shelfine)

Field Office: Air Photographic Party No. 2
Baltimore, Maryland
Chief of Party:
L. W. Swanson &
Fred. L. Peacock

Compilation Office: Air Photographic Party No. 2
Baltimore, Maryland
Chief of Party:
Fred. L. Peacock

Instructions dated (III): March 26, 1942
Supplemental Instructions dated:
July 15, Sept. 30, Nov. 14, 1942

Copy filed in Descriptive Report No. T-VI

Completed survey received in office: 17 Dec. 1943

Reported to Nautical Chart Section:
Reviewed: 31 Aug. 1946
30 (partial) \\
Date: July 14 1944

Bedrafting Completed:
Registered: 1949

Compilation Scale: 1:10,000
Published Scale: 1:10,000

Scale Factor (III): None

Geographic Datum (III): North American 1927
Datum Plane (III): 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

State Plane Coordinates (VI): Virginia South Zone
X = 2,440,762.35 ft
Y = 347,034.44 ft

Military Grid Zone (VI)
PHOTOGRAPHS (III)  
(unmounted)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<td>7534 to 7537 Incl.</td>
<td>11/25/41</td>
<td>11:22 a.m.</td>
<td>1:10,000</td>
<td>0.3' above M. L. W.</td>
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<tr>
<td>7490 to 7494 Incl.</td>
<td>11/25/41</td>
<td>10:37 a.m.</td>
<td>1:10,000</td>
<td>0.6' above M. L. W.</td>
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<tr>
<td>7664</td>
<td>11/25/41</td>
<td>1:53 p.m.</td>
<td>1:10,000</td>
<td>0.2' above M. L. W.</td>
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<td>7805 to 7806</td>
<td>11/26/41</td>
<td>12:29 p.m.</td>
<td>1:10,000</td>
<td>0.4' above M. L. W.</td>
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Tide from (III); Tide Tables - Atlantic Ocean, Reference Station & Hampton Roads, Va. 
Sub-Station - Sturgeon Point & Claremont Wharf, Va.
Mean Range: 2.1'
Spring Range: 2.4'
Camera: (Kind or source) U. S. Coast & Geodetic Survey nine lens camera, (focal length 83.""). All negatives are on file in the Washington Office.

Field inspection by: Lieut. E. B. Lewey & Lieut. H. O. Fortin  
date: Summer, 1942  
Season, 1943
Field Edit by:  
date:

Date of Mean High-Water Line Location (III):

November 25, 26, 1941

Projection and Grids ruled by (III)  
checked by: B. R. C.
Control plotted by: Ada May Bobine  
Control checked by: Donald M. Brant
Radial Plot by: Walter E. Schmidt

Detailed by: Florence M. Hammond and Michael G. Misulia  
(Shore line - rough draft)
Reviewed in compilation office by: Michael G. Misulia & Harry R. Rudolph

Elevations on Field Edit Sheet  
checked by:  
date:
PART I

- 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. E. 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 2.0mm. 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, 1936, r.1942 (not used)
- BRANDON BOATHOUSE FLAGPOLE, 1938, r.1942
- BRANDON WHARF LIGHT, 1938, r.1942 (Landmark)
- DANIELS, 1936, r.1942 (F.I.P. "SHB")
- DISH, 1936, r.1942 (F.I.P. "CUP")
- GREEN ROOFED HOUSE, NORTH CHIMNEY, 1938, r.1942 (Landmark)
- NUB, 1938, r.1942 (F.I.P. "BUN")
- OLDFIELD, 1936, 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
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  
POB, 1938, r.1942  
STURGEON POINT LIGHT, 1938, r.1942 (Landmark)  
STURGEON POINT LIGHT, SQUARR 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, E.C., 1938  
WHARP, 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

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.

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° 52' 30" and 77° 00' 00" from Latitude 37° 15' 00" to Latitude 37° 18' 45". Portions of Morris, Gordon, Nettles, Kennon, and Tomsahund 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.
Blurred photography, insufficient side lap of adjoining flights, dense vegetation, and deep shadows made it difficult, in the area north of Latitude 37° 13' 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 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.
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.

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.

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.

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 285, 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 2mm. black acid ink circles on the Map Drawing, have been submitted on Forms Nos. 567 and 524*. They are as follows:

No. 373  GABLE, N. E.
      367  CHIMNEY, SOUTHERLY OF SEVERAL

*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.

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 2mm. black acid ink circles. Two of the Temporary Hydrographic Stations are also
"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. 52h has been submitted for each of the following eleven (11) Recoverable Topographic Stations:

- 357 Cypress in bight
- 384 Cypress, southerly
- 357 Tallest Cypress in marsh (25')
- 347 Cypress in water
- 675 Tallest Cypress of several
- 278 Cypress tree (40')
- 331 Bushy Cypress stump (8')
- 275 N. gable white two story house
- 576 Chimney, southerly of several
- 372 *Gable, N. E.
- 676 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-3076, to the south, and T-3075, to the east, were in good agreement.

No junctions could be made to the north with Map Drawing, Survey No. T-3089 or to the west with Map Drawing, Survey No. T-3084, because the compilation for these map drawings has not as yet been started. These junctions will be made at a later date.

38 RECOMMENDATIONS FOR FUTURE SURVEYS:

The shore line, rough draft, Map Drawing, Survey No. T-3079 is believed to be complete in all details of importance for charting, and no other surveys are deemed necessary.

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-3078 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-3075 to T-3079 Inclusive, of which this Map Drawing is a part.
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.

**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
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.

**COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:**


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:
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° 15' 00" to Latitude 37° 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.

*A road 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 Kemmon 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, do 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.

*Those differences also apply to the Chart No. 530 to be discussed in the following paragraph.
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 Kenmco 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
Jr. Topographic Engineer

Western Part of Map Drawing
Compiled by:

Florence M. Hammond
Jr. Photogrammetric Aid

Eastern Part of Map Drawing
Compiled by:

Michael G. Misulia
Jr. Topographic Engineer

Western Part of Map Drawing
Reviewed by:

Michael G. Misulia
Jr. Topographic Engineer

Eastern Part of Map Drawing
and all of Descriptive Report Reviewed by:

Harry W. Rudolph
Sr. Photogrammetric Aid

Approved & Forwarded:
December 16, 1943

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

Supervised by:

Walter E. Schmidt
Asst. Photogrammetric Eng.
Part 5

LIST OF GEOGRAPHIC NAMES

Undisputed

- Bachelor Point
- Barretts Ferry Bridge
- Brandon (village)
- Brandon Point
- Bush Neck
- Brandon Wharf
- Chickahominy River
- Eagle Bottom
- Ferry Point
- Gordon Island
- Gordon Creek
- James River
- Kennon (village)
- Kennon Creek
- Kennon Marsh
- Lower Trees Point Wharf
- Morris Creek
- Nettles Creek
- Oldfield (village)
- Oldfield Wharf
- The Row (village)
- Tomahund Creek
- Trees Point

Disputed

- Brandon Point Wharf
- Ritchie Wharf

Names followed by - are approved. 9/1/48. L. Hech

*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. GS-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 11

Total Number of Stations 92

Listed by:

Michael G. Misulla    Florence M. Hammond

Checked by:

Harry R. Rudolph
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.)

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 cypress in water. (S.S.)

278. Cypress tree (40') in water just South of 20' cypress in water. (Recoverable topographic station.)

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)
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 grass patch. (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)

369  Blaze on large cypress in water just off from a double cypress in water. (Recoverable Topographic Station)

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)

--------------------
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.)

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 (1949))

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)

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.
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.)

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. Dedious 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. 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.)

696. Blaze on outer cypress in water on West side of Chickahominy River. (Recoverable Topographic Station.)

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.
<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>701</td>
<td>Northeast corner of old house on bank.</td>
</tr>
<tr>
<td>702</td>
<td>&quot;F.I.P. Bun&quot; Blaze on pine tree at low point.</td>
</tr>
<tr>
<td>703</td>
<td>Bushes growing out of stump in water. Marked by cloth tied to a limb.</td>
</tr>
<tr>
<td>704</td>
<td>Cloth tied to low cypress at W. L. just West of trunk of an old dead tree.</td>
</tr>
<tr>
<td>705</td>
<td>East gable of old house on point.</td>
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</table>
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

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

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: Lena T. Stevens
31 August 1948

Under the direction of: S. T. Griffith
Chief, Review Section

APPROVED BY:

B.A. Jones 2/49
Technical Assistant to the
Chief, Div. of Photogrammetry

H.R. Edmonston
Chief, Nautical Charts Branch
Div. of Charts

K.T. Adams
Chief, Div. of Photogrammetry

C.K. Green
Chief, Div. of Coastal Surveys
**Nautical Charts Branch**

**Survey No. 8079**

Record of Application to Charts

<table>
<thead>
<tr>
<th>Date</th>
<th>Chart</th>
<th>Cartographer</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-18-54</td>
<td>530</td>
<td>Jack Allen</td>
<td>Before After Verification and Review</td>
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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.