

# 8075

Diag'd. on Diag. Ch. No. 78-4

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Planimetric Air Photographic  
(Shoreline)

Field No. CS-283 Office No. T-8075

### LOCALITY

State Virginia

General locality Chickahominy River

Locality Gordon, Nettles and Blackstump Creek

1941-'43

CHIEF OF PARTY

E.B.Lewey & H.O.Fortin

LIBRARY & ARCHIVES

DATE .....

B-1870-1 (1)

5208

# DATA RECORD

Form T-1

T- 8075

Quadrangle (II):

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

Project No. (II):

CS-283

Field Office:

Air Photographic Party No. 2  
Baltimore, Maryland

Chief of Party:

*E. B. Lewey + H. O. Fortin*  
~~L. W. Swanson & Fred. L. Peacock~~

Compilation Office:

Air Photographic Party No. 2  
Baltimore, Maryland

Chief of Party:

Fred. L. Peacock

Instructions dated (II III):

Original instructions dated:  
March 26, 1942

Copy filed in Descriptive

~~Report No. T-~~ (VI)

Div. of Photogrammetry, General Files

Supplemental Instructions dated: July 15, Sept. 30, Nov. 14, 1942  
Completed survey received in office: 22 Mar. 1944

Reported to Nautical Chart Section: 29 Mar. 1944

Reviewed: 20 Aug. 1948

Applied to chart No.

530

Date: 8 July 1944 (partial)

Redrafting Completed: \_\_\_\_\_

Registered: 7 Nov. 1949

Published:

Compilation Scale: 1:10,000

Published Scale:

Scale Factor (III): None

Geographic Datum (III): N. A. 1927

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

Reference Station (III): BARRETT, 1934, r.1942

Lat.: 37° 15' 50.626" 1560.7m Long.: 76° 52' 22.740" 560.3m ~~Adjusted~~  
~~Unadjusted~~

State Plane Coordinates (VI): Virginia, South State Grid

X = 2, 473, 456.63

Y = 342, 940.05

Military Grid Zone (VI)



PHOTOGRAPHS (III)  
(UNMOUNTED)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
7477 to 7480 Incl.	11/25/41	10:37 a.m.	1:10,000	0.2' above M. L. W.
7664	11/25/41	1:53 p.m.	1:10,000	0.5' above M. L. W.
7801 & 7802	11/26/41	12:25 p.m.	1:10,000	0.2' above M. L. W.
7803 to 7806 Incl.	11/26/41	12:29 p.m.	1:10,000	0.2' above M. L. W.

Tide from (III): Tide Tables, Atlantic Ocean, Reference Station Hampton Roads, Virginia,  
Sub-Station Barrets Point, Chickahominy River, Virginia.  
Mean Range: 1.9' Spring Range: 2.2'

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 Inspection by: Lieut. E. B. Lewey and date: Summer, 1942  
Lieut. H. O. Fortin Season, 1943

Field Edit by: *None* date:

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

As of the dates of the above mentioned photographs, supplemented by the  
Field Inspection of 1942 and 1943.

Projection and Grids ruled by (III) B. R. C. date: July 29, 1943

" " " checked by: J. O'Neill date: July 29, 1943

Control plotted by: Carlyn Goldenberg date: August 2, 1943

Control checked by: Donald M. Brant date: August 3, 1943

Radial Plot by: Walter E. Schmidt date: September, 1943

Detailed by: Florence M. Hammond (Shore line -- rough draft) date: December 1-16, 1943

Reviewed in compilation office by: Michael G. Misulia date: February, 1944

Elevations on *Map Manuscript*  
~~Field Edit Sheet~~  
checked by: *None* date:

STATISTICS (III)

Land Area (Sq. Statute Miles): one

Shoreline (More than 200 meters to opposite shore):  $4\frac{3}{4}$  Statute Miles

Shoreline (Less than 200 meters to opposite shore):  $21\frac{1}{2}$  Statute Miles

Number of Recoverable Topographic Stations established: Five

Number of Temporary Hydrographic Stations located by radial plot: Thirty-Eight

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:



## Summary to Accompany T-8075

Shoreline survey T-8075 (scale 1:10,000) is one of 40 similar maps in project CS-283, James River, Virginia. This survey covers Gordon Creek and the eastern shore of Chickahominy River from Barrets Point to Barrets Ferry. Its limits are Latitude  $37^{\circ} 15' 18\frac{3}{4}''$  N, and Longitude  $76^{\circ} 48' - 52\frac{1}{2}''$  W.

Project CS-283 was planned as a planimetric project. It was changed to a shoreline survey when War Mapping Project CS-289, which included practically all of James River, was undertaken. Originally, CS-289 provided for 70 maps, but only 35 were completed as "War Mapping". The remaining 35 maps have been assigned sub-project numbers (CS-289W1, W2, W3, X) and many of them have not yet been compiled.

Topographic quadrangle T-8324 completely covers the area of T-8074 and T-8075. It falls in CS-289W1, which is being compiled by the stereocartograph on 1:20,000 scale photographs. Quadrangle T-8324 is not yet compiled.

Data pertaining to T-8075 is filed as follows:

### A. DIVISION OF PHOTOGRAMMETRY GENERAL FILES

1. Acetate manuscript
2. Five forms 524 (recoverable topographic stations)
3. Field inspection report

### B. BUREAU ARCHIVES

1. Registered lithographic print of the reviewed manuscript at compilation scale.
2. <sup>Registered</sup> Descriptive Report.

Lena T. Stevens  
1 November 1949

## Field Inspection

Field Inspection data for the area of T-8075 are contained in "Report of Field Inspection of Air Photographs, James River, Newport News to Hopewell, Virginia," by Ernest B. Lewey, dated October 12, 1942, and by H.O. Fortin, dated April 20, 1943.

These reports are filed in the Division of Photogrammetry General Files.



26 CONTROL:

The horizontal control shown on Map Drawing, Survey No. T-8075 consists of six (6) U. S. Coast & Geodetic Survey triangulation stations, and five (5) U. S. Geological Survey traverse stations. One of the triangulation stations is a landmark and three (3) are identified by "Field Inspection Points" (F.I.P.). Four of the stations have not been used to control the radial plot because the Field Inspection Sub-Party deemed other control in the vicinity adequate and did not field identify them. They have been indicated by the note "not used" on the Map Drawing and in this report. The 3.0mm. black acid ink triangles indicate that the positions of the horizontal control stations were plotted directly on the Map Drawing, while the red acid ink triangles indicate that the positions were transferred from adjoining Map Drawings. The "Field Inspection Points" have been shown with small black acid ink squares.

The following seven (7) horizontal control stations lie within the detail limits of the Map Drawing:

Two (2) U. S. Coast & Geodetic Survey triangulation stations:

- BARRETT, 1934, r.1942 (not used)
- LARGE GRAY BARN, SOUTH GABLE, 1938, r.1942 (new landmark)

Five (5) U. S. Geological Survey traverse stations:

- P. T. S. NO. 51, 1916, r.1942
- P. T. S. NO. 52, 1916, r.1942
- T-ROAD NORTH 360' EAST OF T-ROAD SOUTH, r.1942 - *use with caution*
- ROAD NORTHWEST AT TWO MAIL BOXES, r.1942 (not used) *removed from manuscript - adding accuracy questionable.*
- WOODEN BRIDGE OVER SMALL CREEK, CENTER OF (not used)

The following four (4) U. S. Coast & Geodetic Survey triangulation stations are outside the detail limits of the Map Drawing:

- PROMINENT TREE, 1938, r.1942 (not used)
- THORN, 1938, r.1942 (F.I.P. "ORN")
- WHARF, 1938, r.1942 (F.I.P. "NAK")
- WILLIAMSBURG, 1932, r.1942 (F.I.P. "BUR")

27 RADIAL PLOT:

(N.B.) Refer to the report on the combined radial plot for the areas of Map Drawings, Surveys Nos. T-8075 to T-8079 inclusive, which has been previously submitted as an appendix to the descriptive report for Map Drawing, Survey No. T-8078.



28 DETAILING:

The shore line and immediate adjacent topographic features have been detailed on Map Drawing, Survey No. T-8075, and shown with the conventional symbols, in accordance with instructions and the furnished field inspection data.

The main bodies of water shown within the detail limits of the Map Drawing are Nayses Bay, portions of Nettles, Gordon and ~~Black-Stump~~ *Blackstump* Creeks, and a portion of the Chickahominy River. The shore line of these waters is for the most part bordered by marsh areas. Also bordering the shore line, are a few bluffs, the heights of which have been shown by notes lettered on the Map Drawing.

The number of photographs and the field inspection data were adequate for office detailing unless otherwise mentioned in subsequent paragraphs of this report. The scales of the photographs and the Map Drawing were in good agreement. It was only necessary to use the vertical projector in detailing a few small areas.

Small single purple ink circles, and small green ink circles as shown on the glossy side of the Map Drawing indicate the positions of tertiary points considered relatively strong or weak respectively.

Since it was possible to letter all notes on the Map Drawing pertaining to the planimetry, no overlay sheet was made. Descriptive notes pertaining to some of the temporary hydrographic signals, and recoverable topographic stations could not be lettered at the positions of such objects because of surrounding detail. Such descriptive notes were compiled and listed on the Map Drawing just outside the detail limits of the Survey.

A list of abbreviations accompanied by descriptive notes has been lettered on the Map Drawing to assist those concerned in the correct interpretation of the abbreviations used.

This Compilation Office has classified a few roads when no mention as to their classification was made by the Field Inspection Party.

The field inspection data pertaining to the drainage immediately adjacent to the Mean High-Water Line were incomplete. Most of the inshore drainage as shown on the Map Drawing was determined from stereoscopic examination of the photographs.

30 MEAN HIGH-WATER LINE:

A solid heavy-weight, and a solid light-weight black acid ink line has been used to show the Mean High-Water Line (firm ground) and the outer limits of bordering marsh areas respectively. The light-weight line is not the Mean High-Water Line, but is only an indication of the outer 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 or dotted black acid ink line accompanied by the notes "Shoal" or "Mud Shoal" respectively, was used to show the approximate outer limits of shoal areas bordering the Mean High-Water Line. The approximate limits of the shoal area have been detailed as seen on the photographs. The approximate limits of mud shoal have been detailed in accordance with the field inspection data. Such limits do not define the position of low-water. They have been shown on the Map Drawing for the convenience of the hydrographic party only. 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:

An image which is believed to be a wreck was visible on the photographs approximately 380 meters due north of Barrets Point. The shape of this object has been detailed as seen on the photographs and shown on the Map Drawing with a light-weight dashed black acid ink line accompanied by a descriptive note. The object is awash at approximately low-water, and its existence should be verified by the hydrographic party.

Shown as  
wreck on  
H-7021

All 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".

The approximate positions of offshore features noted by the Field Inspection Party, but which were not visible on any of the photographs, were shown on the Map Drawing with dashed light-weight black acid ink lines accompanied by descriptive notes.

33 WHARVES AND SHORE LINE STRUCTURES:

All wharves, piers, piling, etc., which were visible on the photographs, and the existence of which were verified by the Field Inspection Parties, were shown on the Map Drawing.

34 LANDMARKS AND AIDS TO NAVIGATION:

Form No. 567 has been submitted for the new landmark "GABLE", south gable of large gray barn, which was recommended by the Field Inspection Party of 1942 for the area of Map Drawing, Survey No. T-8075. This landmark is also the U. S. Coast & Geodetic Survey triangulation station "LARGE GRAY BARN, SOUTH GABLE, 1938, r.1942". The note "Landmark" has been lettered on the Map Drawing.

CH. Let. No. 96 (1944)



35 HYDROGRAPHIC CONTROL:

The positions of thirty-eight temporary hydrographic stations, and five Recoverable Topographic Stations have been determined by radial intersection and shown on the dull side of the Map Drawing with  $2\frac{1}{2}$ mm. black acid ink circles.

Form No. 524 has been submitted for each of the following five Recoverable Topographic Stations which are identified on the Map Drawing by the note "Recoverable Topographic Station":

No.	Name
-730	Slender Cypress
-400	Lone Cypress (40')
-290	Large Cypress (50')
-279	Lone Cypress (35')
-283	West gable boat house

37 JUNCTIONS:

The junctions with Map Drawings, Surveys Nos. T-8076 to the south, and T-8079 to the west are in good agreement.

The compilations for Map Drawings, Surveys Nos. T-8072 to the east, and T-8074 to the north have not as yet been started. These junctions will be discussed in the respective descriptive reports for the Map Drawings just mentioned.

8072 (no detail)  
8074 OK, 20 Aug. 1948

38 RECOMMENDATIONS FOR FUTURE SURVEYS:

Map Drawing, Survey No. T-8075 is believed to be complete in all details of importance for charting and no other surveys are deemed necessary.

The probable error in the positions of tertiary points and well-defined objects along the shore line 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 the secondary points obtained when the radial plots were laid for the areas of Map Drawings, Surveys Nos. T-8075 to T-8079 inclusive.

39 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. The data obtained from this partial investigation were 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.



39 GEOGRAPHIC NAMES: (cont'd)

The geographic names shown on the Map Drawing are in accordance with the field inspection data except in areas not included in the 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 geographic names have been alphabetically compiled in two lists, and are submitted herein. *Attached names*

40 BRIDGES:

*List approved by Geographic Name Section,  
Chart Division*

The eastern part of a bridge which is considered of navigational importance, and which crosses the Chickahominy River at Barrets Ferry has been shown on the Map Drawing. (N.B.) Refer to the descriptive report for Map Drawing, Survey No. T-8079 for information pertaining to this bridge. The revised edition to July 1, 1941 of the "List of Bridges Over Navigable Waters of the U. S." was not available in this Compilation Office at the time of the writing of the descriptive report for Map Drawing No. T-8079. It is recommended that the following information concerning this bridge be added to the data previously submitted in the above mentioned descriptive report:

*Hor. Cl = 80 ft  
V. Cl = 14.6 MHW  
51 spans*

Number of spans = 50 *(Sketchbook, Vol. I, Field Inspection, 1942) OK*

41 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

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

Because of the large difference in scale between the Map Drawing and the quadrangle, small planimetric detail could not be readily compared. However, the following differences were apparent:

In general, the courses of streams in marsh areas as shown on the Map Drawing are in disagreement with those appearing on the quadrangle. *See Review Report*

Pine Woods Pond as it appears on the quadrangle is shown on the Map Drawing as a marsh area.

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

The marsh area south of Barrets Ferry as shown on the Map Drawing is much smaller than it appears on the quadrangle.

Only a portion of the road at Shields Point, was detailed and shown on the Map Drawing, because of dense photographed vegetation in the immediate vicinity. The road appears in full on the quadrangle. Other roads were not shown on the Map Drawing for the same reason.

*No field  
inspection  
was requested  
or made*



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

A pond which has been shown on the Map Drawing, approximately 3/4 mile southeast of Nayses Bay, does not appear on the quadrangle.

45 COMPARISON WITH NAUTICAL CHARTS:

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

Because of the scale difference between the Map Drawing and the above mentioned Chart, small planimetric details could not be readily compared. The following differences, however, were apparent:

Warburton and Pine Woods Ponds as shown on the Map Drawing do not appear on the Chart.

Houses as shown on the Map Drawing do not appear on the Chart.

In general, the courses and number of streams in the marsh areas as shown on the Map Drawing are in disagreement with those appearing on the Chart.

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

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



Respectfully submitted,  
February 7, 1944

Florence M. Hammond  
Florence M. Hammond  
Asst. Photogrammetric Aid

Compilation & Descriptive  
Report Reviewed by:

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

Supervised by:

Walter E. Schmidt  
Walter E. Schmidt  
Asst. Photogrammetric Engineer

Approved & Forwarded:  
February 8, 1944

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

Chickahominy River, Virginia  
Gordon Creek - Nettles Creek - Black Stump Creek  
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-8075

Number of temporary hydrographic stations	38
Number of Recoverable Topographic Stations	<u>5</u>
Total Number of Stations	43

Listed by:

Checked by:

Florence M. Hammond

Michael G. Misulia

- No.
- 243 . Center of duck blind made of ceders in middle of river. (S.S.)
  - . 244 . Bow of old wreck East of Shields Point. (S.S.)
  - 245 . Stump off Shields Point. (S.S.)
  - 268 . Point of grass on East side of entrance to stream on South side of Nettles Creek. (S.S.)
  - 269 . Sharp point of grass on East side of entrance to stream on West side of Nettles Creek.
  - 270 . Point of grass on Northwest side of entrance to stream on South side of Nettles Creek. (S.S.)
  - 271 . Point of grass on East side of entrance to stream on North side of Gordon Creek. (S.S.)
  - 272 . Point of grass on East side of entrance to stream on North side of Gordon Creek. (West of 272) (S.S.)
  - . 273 . East end of duck blind in middle of Gordon Creek. (S.S.)
  - 279 . Lone cypress on edge of marsh on South side of Gordon Creek. (Recoverable Topographic Station) 35 feet.
  - 280 . Point of grass on North side of Gordon Creek. (S.S.)
  - 281 . Point of grass on West side of small tributary, on North side of larger tributary and immediately East of Gordon Creek.
  - 282 . Point of grass on West side of entrance to large creek on South side of Gordon Creek. (S.S.)
  - 283 . West gable unpainted boathouse with galvanized roof and two doors on front. On East side of tributary to Gordon Creek. (T.S.) (Recoverable Topographic Station)
  - 284 . Lone cypress, forked at base, on East side of Nayses Bay. (S.S.)
  - 285 . Point of grass on North side of entrance to small stream on East side of Gordon Creek. (S.S.)
  - 286 . Point of grass on West side of entrance to stream on South side of Gordon Creek. (S.S.)



No.

- 287 . Point of grass on <sup>mud</sup> ~~North~~ point of East side of entrance to stream on North side of Gordon Creek. (S.S.)
- 288 . Point of grass on North side of entrance to ditch on West side of Gordon Creek. (S.S.)
- 289 . Mud point on South side of entrance to ditch on West side of Gordon Creek. (S.S.)
- 290 . Large cypress tree on prominent wooded point on North side of Gordon Creek. (T.S.) (Recoverable Topographic Station)
- 291 . Point of high ground on North side of Gordon Creek. (S.S.)
- 292 . Point of grass on North side of entrance to small bight on East side . Large bight to the Northwest. (S.S.)
- 293 . South corner of pier on West side of creek. (S.S.)
- 294 . Point of grass on West side of entrance to stream on South side of Nettles Creek. (S.S.)
- 295 . Point of grass on East side of entrance to stream on North side of Nettles Creek. (S.S.)
- 296 . Point of grass at forks in creek. (S.S.)
- 297 . Point of grass on North side of entrance to stream on East side of Black Stump Creek. (S.S.)
- 298 . Point of grass on South side of entrance to stream on West side of Black Stump Creek. Stream goes through to Chickahominy River. (S.S.)
- 299 . Point of grass on East side of Black Stump Creek. (S.S.)
- 300 . Point of grass on West side of entrance to ~~small~~ stream on <sup>E</sup> ~~South~~ side of <sup>N</sup> ~~Black~~ Stump Creek. (S.S.)
- 302 . Point of grass on West side of entrance to small stream on South side of Black Stump Creek. (S.S.)
- 321 . Southwest corner of pier on North side of Gordon Creek. (S.S.)
- 322 . North corner of old barge.
- 323 . Stump on prominent point.
- 400 . 40' long cypress. (S.S.) (Recoverable Topo. Station)



No.

- 401 . 40' lone cypress on West side of stream intrance and detached from patch of woods. (S.S.)
- 728 . Blaze on large cypress about 150 meters east of Barrets Point.
- 729 . Low, squatty cypress in water North side of entrance of creek. Sign is nailed on a cypress just East of this one.
- 730 . Blaze on slender cypress trunk in water about 10 meters offshore. Few branches on this tree. (Recoverable Topographic Station)
- 731 . Blaze on double cypress about 25 meters offahore.
- 732 . Blaze on cypress in water off point.
- 733 . Highway sign on Northeast end of bridge.

LIST OF GEOGRAPHIC NAMES

Undisputed

- OK
- |                              |  |
|------------------------------|--|
| • Barrets Ferry • (locality) | • Nayses Bay • —                         |
| • Barrets Point • —          | • Nettles Creek • —                      |
| • Bush Neck • —              | <del>• Pine Woods Pond •</del> not shown |
| • Chickahominy River • —     | • Simpson Island • —                     |
| • Claybank Landing • —       | • Shields Point • —                      |
| • Gordon Island • —          | • Warburton Pond • —                     |

- Barretts Ferry Bridge •  
• state No. 5 •
- LA 9-28-49

Disputed

- Gordon Creek • —  
~~Black Stump Creek~~

- ~~Gordons Creek~~  
• Blackstump Creek • (U.S.B.G.N. decision)

Names followed by • are  
approved. 8/23/48.  
L. Heck



DIVISION OF PHOTOGRAMMETRY  
Review Report of  
Shoreline Map Manuscript T-8075

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

42 COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

H-7021      1/10000      1944

Hydrographic Station No. 283 ("Sic" on the Hydrographic Sheet) is described as "West Gable Boat House" on form 524 and on the map manuscript. This station is described as "North Gable House" on the hydrographic sheet. This discrepancy was not resolved at the time of review because the original description was not available. However, the position of the small building's image on the photograph makes it seem that its gable faces west.

43. COMPARISON WITH PREVIOUS TOPOGRAPHIC SURVEYS:

T-1337a	(with contours)	1/20000	1873-4
T-2729	(without contours)	1/20000	1873-4, rev. 1906

Survey T-8075 supersedes these surveys, <sup>for charting purposes</sup> excepting contours, in their common areas.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

U.S.G.S.      Toano      1/62500      ed 1917, rev. 1930

On page eight of the Descriptive Report, it is stated that, in general, the streams are in disagreement. This applies particularly to minoredrainage in the marsh areas. The main streams agree well in pattern form, but a use of proportional dividers indicates that their relation to the projection is not the same for all portions of the streams.

~~T-8075 supersedes the quadrangle in their common areas except for roads and contours, which were not subjects of investigation for the shoreline map.~~

45 COMPARISON WITH NAUTICAL CHARTS:

530      1/40000      ed 1940,      rev. Dec. 1946

The most noteworthy change in shoreline occurs in the northwestern corner of the map manuscript where Blackstump Creek enters Chickahominy River.



46. APPLICATION TO CHARTS:

T-8075 had been partially applied to chart 530 in July, 1944, prior to review.

Reviewed by:

Lena T. Stevens  
Lena T. Stevens, 20 Aug. 1948

Under the direction of:

S. V. Griffith  
Chief, Review Section *L.H.M.*

APPROVED BY:

B.G. Jones 11/49  
Technical Assistant to the  
Chief, Div. of Photogrammetry

H.R. Edmonson  
Chief, Nautical Charts Branch,  
Division of Charts

O.S. Reading  
Chief, Div. of Photogrammetry

W.M. Scarfe  
Chief, Div. of Coastal Surveys  
*1948*



## NAUTICAL CHARTS BRANCH

SURVEY NO. 8075

### 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.