

# 8071

Diag. Cht. No. 78-4

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Air Photographic (Shoreline)

Field No. .... Office No. T-8071

### LOCALITY

State Virginia

General locality James River

Locality College Creek and Vicinity

1941-'42

### CHIEF OF PARTY

E.B.Lewey and F.L.Peacock

### LIBRARY & ARCHIVES

DATE February 23, 1950

B-1870-1 (1)

# T208

## DATA RECORD

T-8071

Quadrangle (II):

Yorktown, (U.S.G.S.)

Field Office:

Air Photographic Party No. 2

Baltimore, Maryland

Compilation Office:

Air Photographic Party No. 2

Baltimore, Maryland

Instructions dated (II III):

March 26, July 15;)

Sept. 30, Nov. 14; 1942

Project No. (II):

CS-283

Chief of Party:

E. B. Lewey

~~L. W. Swanson~~

Chief of Party:

Fred. L. Peacock

Div. of Photogrammetry  
Office Files

Copy filed in Descriptive

Report No. T- (VI)

Completed survey received in office: 5-31-43

Reported to Nautical Chart Section: 6-7-43

Reviewed: 11-30-48 Applied to chart No. 529 Date: Nov 1943

Redrafting Completed: 11-29-49

Registered: 2-6-50

Published:

Compilation Scale: 1:10,170

Published Scale:

Scale Factor (III): 0.983284

Geographic Datum (III): N. A. 1927 Datum Plane (III): ~~Mean Sea Level~~ MHW

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

Lat.: 37° 13' 21.940" 676.4 m. Long.: 76° 40' 28.419" 700.6 m. Adjusted  
~~Unadjusted~~

State Plane Coordinates (VI): Virginia, South Zone

X = 2, 531, 480.89

Y = 328, 961.27

Military Grid Zone (VI)



# PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
7669	11/25/41	2:04p.m.	1:10,000	0.8' above M. L. W.
7750	11/26/41	11:00a.m.	1:10,000	0.2' above M. L. W.
7773 to 7776 Inc.	11/26/41	11:57a.m.	1:10,000	0.2' above M. L. W.
7799 - 7800	11/26/41	12:25p.m.	1:10,000	0.3' above M. L. W.
7822 to 7824 Inc.	11/26/41	12:46p.m.	1:10,000	0.4' above M. L. W.

Tide from (III): Hampton Roads (Naval Base) with time correction to Hog Point,  
Virginia

Mean Range: 2.1' Spring Range: 2.5'

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 date: Summer & Fall  
of 1942

Field Edit by: None date:

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

November 25 & 26, 1941

Projection and Grids ruled by (III) Washington Office date: 12/11/42  
C.H.R.

" " " checked by: Washington Office date: 12/11/42  
C.H.R.

Control plotted by: Willis W. St. John date: 12/18-19/42

Control checked by: Louise C. Painter & Abraham L. date:  
Goncharsky 12/21,23/42

Radial Plot by: James E. Sunderland date: 1/12/43

Detailed by: William O. Norris (Shoreline  
Rough Draft) date: 1/13/43 to  
2/13/43

Reviewed in compilation office by: James E. Sunderland date: April &  
May, 1943

Elevations on Field Edit Sheet  
checked by: None date:

STATISTICS (III)

Land Area (Sq. Statute Miles): None

Shoreline (More than 200 meters to opposite shore):  $10\frac{1}{2}$  Statute Miles

Shoreline (Less than 200 meters to opposite shore):  $10\frac{1}{4}$  Statute Miles

Number of Recoverable Topographic Stations established: 9

Number of Temporary Hydrographic Stations located by radial plot:

~~39~~ 45

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-~~8071~~

T-~~8071~~<sup>8071</sup>, Scale 1:10,000, is one of 40 shoreline surveys in Project CS-283 along the James River, Virginia.

Project CS-283 was originally planned as a planimetric mapping project but was limited to shoreline surveys only after War Mapping Project CS-289, covering practically all the James River, was undertaken.

Topographic Quadrangle, T-~~8318~~<sup>8318</sup> (Project CS-289) completely covers T-~~8071~~<sup>8071</sup>. The former was compiled in 1944 from 1:20,000 scale photographs taken in 1942, in contrast with T-~~8071~~<sup>8071</sup>, compiled in 1942-3 from 1:10,000 scale photographs taken in 1941.



## Field Inspection

Field inspection data for the area of T 8071 are contained in the "Report on Field Inspection of Air Photographs, James River, Newport News to Hopewell, Virginia" by Ernest B. Lewey, dated October 12, 1942. Filed in Division of Photogrammetry, General Files.



COMPILATION REPORT

26 CONTROL:

The control plotted on this map drawing consists of twelve U. S. Coast & Geodetic Survey triangulation stations, three U. S. E. triangulation stations and thirteen U. S. G. S. primary traverse stations. Field inspection stations were substituted for six (6) of these. The control has been shown on this map drawing with the usual triangulation symbol. The field inspection stations have been shown with a small square outlined in purple ink on the glossy side of the celluloid.

The following control stations are within the detailed limits of this map drawing:

Eight <sup>10</sup>(8) U. S. Coast & Geodetic Survey Triangulation Stations:

- Silo, 1938, r. 1942 (Landmark-new)
  - Large gray barn, south gable, 1938, r. 1942
  - Archer Shape, 1869, r. 1942 (F.I.S. "HER")
  - House near entrance to College Creek, West Chimney, 1938, r. 1942
  - Tower, East of College Creek, flag-pole, 1938, r. 1942
  - Bend, 1938, r. 1942
  - Homewood Light, 1938, r. 1942
  - Grove, Ecc., 1932, r. 1942
- ~~Homewood Light, 1938, r. 1942~~  
Hog I. (U.S.E.), 1930, r. 1942 (F.I.S. "Box")

Two (2) U. S. Engineers Triangulation Stations:

- Hog 1, 1930, 1938, r. 1942 (F.I.S. "BOX")
- Goose, 1938, r. 1942 (F.I.S. "GOS" (tree) )

Four (4) U. S. Geological Survey Primary Traverse Stations:

- P. T. S. No. 8, 1932, r. 1942
- P. T. S. No. 3, 1938, ~~r. 1942~~
- P. T. S. No. 4, 1918, r. 1942
- P. T. S. T-Rd. N. to Old Deserted White House, Intersection  
of Roads, r. 1942 — not shown  
in manuscript.

The following control stations fall just outside the original detailed limits of this map drawing unless otherwise noted:

Four (4) U. S. Coast & Geodetic Survey Triangulation Stations:

- Williamsburg, 1932, r. 1942 (F.I.S. "BUR")
- Slide, 1938, r. 1942
- Jamestown, 1869, r. 1938, r. 1942 (F.I.S. "JAM")
- Williamsburg, William & Mary College, Highest stack, 1932, r. 1942

One (1) U. S. Engineers Triangulation Station:

- Hog 2, 1930, 1938, r. 1942 (F.I.S. "BAY" (Bush) )



- Nine (9) U. S. Geological Survey Primary Traverse Stations:
- P. T. S. Stone Monument, Marked "W.A.", r.1942
  - P. T. S. No. 436, Junction of State Highways No. 31 and No. 5, r.1942
  - ✓ P. T. S. No. 17, r.1942 (in extended limits of this map drawing)
  - ✓ P. T. S. No. 7, 1918C, r.1942 (in extended limits of this map drawing)
  - P. T. S. No. 11, 1918, r.1942
  - P. T. S. No. 14, 1918C, r.1942
  - P. T. S. No. 1, r.1942
  - P. T. S. No. 16, r.1942
  - P. T. S. TT6, 1918C, r.1942

The U. S. Coast & Geodetic Survey triangulation station "Tree Hill Shoal Light", 1938 was reported by the field inspection party of 1942 as probably moved. This was proved to be correct by air photographic compilation and this office recommends that this station be considered as lost. A new position of this light has been shown on this map drawing by a 2<sup>1</sup>/<sub>2</sub> mm black acid ink circle. Forms 524<sup>567</sup> submitted

## 27 RADIAL PLOT:

An individual plot was laid for this map drawing by the usual radial method. No templates were used.

Flight lines were either held 100% or tangent in the plot.

A statistical report is submitted herein stating the number of control stations available, how they held in the plot, and the number of principal and secondary points established.

The number of photographs was adequate.

The control identification was not as adequate as was desirable. Deep shadows, dense wooded areas, and sun spots were a source of trouble.

The error of closure was negligible.

The control density was adequate.

It is believed that positions of the principal and secondary points established by this plot are within the standard of accuracy required by the Washington Office.

## 28 DETAILING:

The shoreline and immediate adjacent culture has been detailed on this map drawing in accordance with the Director's letters dated March 26, 1942, July 15, 1942, September 30, 1942, and November 14, 1942, pertaining to this Project CS-283. Filed in Div. of Photogrammetry - Office Files

All detail on this map drawing has been shown by the standard symbols recommended by the Washington Office and notes fully describing any deviation therefrom appear on the overlay sheet in order that the planimetry may be clearly interpreted by those concerned.



28 DETAILING: (cont'd)

In areas consisting of sandy beach, some difficulty was encountered in the identification of definite image points on a sufficient number of office photographs to secure for use the number of minor detail points needed to detail the adjacent shorelines with confidence.

The limits of bluffs have been detailed in accordance with the field inspection data and have been shown with the usual dirt bluff symbol.

The original eastern limits of this map drawing have been extended to include the area between Longitude  $76^{\circ} 37' 30''$  and Longitude  $76^{\circ} 37' 00''$ . These extended limits have been outlined in red ink.

The shoreline and adjacent culture shown beyond the original limits on map drawing T-8070 have been omitted from this map drawing (T-8071). The area involved is outlined in red ink.  
*See Review Report.*

30 MEAN HIGH WATER LINE:

The mean high water line, (firm ground) has been shown by a solid heavy-weight black acid ink line, the center of which should be taken as the true position. A light-weight black acid ink line, (marsh area) indicates the limits of navigation and not necessarily the mean high water line. Most of the shoreline consists of marsh, dirt bluffs, sand and mud.

31 LOW WATER & SHOAL LINES:

Approximate limits of <sup>shallow</sup> ~~shoal~~ and ~~foul~~ areas have been shown with a dashed light-weight black acid ink line. Appropriate notes have been made on the overlay sheet. These limits are for the use of the hydrographer only and they should not be accepted by any mapping agency as indicating the true position of the Mean Low Water Line.

32 DETAILS OFFSHORE FROM HIGH WATER LINE:

Fish traps, old piling areas, and duck blinds which were discernible on the office photographs have been shown on this map drawing in accordance with the field inspection data.

Approximate areas enclosing snags, mooring buoys and fish traps not discernible on the office photographs; have been shown by a light-weight, dashed black acid ink line, the same being transferred directly from the field inspection photographs to this map drawing.  
*Changed to dotted line.*

It is recommended <sup>that</sup> the offshore details within these areas which could not be radial plotted, be located during the progress of the hydrography.

Notes have been made on the overlay sheet calling attention to questionable areas.



33 WHARVES & SHORELINE STRUCTURES:

All piers, wharves, and other shoreline structures were shown in accordance with the field inspection data.

34 LANDMARKS AND AIDS TO NAVIGATION:

The two following recommended landmarks have been shown on this map drawing by the triangulation symbol, in black acid ink.

Tower, E. of College Creek, Flagpole  
Silo

The position of the following <sup>fixed</sup> aid to navigation has been located on this map drawing by Air Photographic Compilation and is shown by a  $2\frac{1}{2}$ mm black acid ink circle.

\*Tree Hill Shoal Light

The positions of the recommended landmarks and aid to navigation have been submitted on form No. 567 (to be charted).

\*The position of this light as shown on Chart No. 529 is incorrect. Form No. 567 (to be deleted) has been submitted.

See Chart Letter 917 (49) Copy enclosed.

35 HYDROGRAPHIC CONTROL:

The positions of thirty-nine temporary hydrographic and nine recoverable topographic stations have been shown on this map drawing with  $1\frac{1}{2}$ mm and  $2\frac{1}{2}$ mm black acid ink circles respectively. The descriptions of both classes of stations appear on the overlay sheet. The positions and descriptions of the recoverable topographic stations have been submitted on form No. 524.

On the glossy side of the map drawing, the positions of both the temporary and recoverable stations have been shown with purple ink circles (denoting relatively strong positions) or green ink circles (denoting relatively weak positions). The positions of several temporary stations were located by detailing directly from the field inspection photographs. (N.B.) Refer to report on field inspection by Lieut. E. B. Lewey.

Following is a list of the recoverable topographic stations;

~~CEDAR, Top, Large Sharp Pointed, 1942~~  
~~CULVERT, Wooden, Center of, 1942~~  
~~LADDER, Diving Platform, N. Corner, 1942~~  
~~CEDAR, Small, at East Side Marsh, 1942~~  
~~PINE, Long, Southeasterly Point of Island, 1942~~  
~~MAPLE, Small, leaning, on W. L., 1942~~  
~~WHARF, Southeast Corner, Westerly of two wharves, 1942~~  
~~BOUNDARY MARKER, Nailed to Small Bush, 1942~~  
~~LIGHT, Tree Hill Shoal Light, 1942~~



37 JUNCTIONS:

No Contemporary Survey on East Side

Map Drawing No. T-8058 - East Side -- ~~No junction possible at this date~~

Map Drawing No. T-8059 - Southeast corner -- In agreement

Map Drawing No. T-8070 - South Side -- ~~No junction, water area~~ Junction ok.

Map Drawing No. T-8076 - West Side -- No junction possible at this date  
Junction checked during review.

38 RECOMMENDATIONS FOR FUTURE SURVEYS:

This map drawing is believed to be complete in all details of importance for charting and no additional surveys are recommended.

It is believed that the probable error in the positions of radial points and well-defined objects along the shoreline, is not greater than 0.5mm. The error of inland radial points and details of importance is not greater than 1.0mm.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

Yorktown Quadrangle, U. S. G. S. dated 1932, scale 1:62,500.

Due to scale difference between this map drawing and the above mentioned quadrangle, small planimetric details could not be fully compared. However, the following disagreements were noted:

(1) At approximately Latitude  $37^{\circ} 13' 00''$  and Longitude  $76^{\circ} 42' 30''$  the quadrangle shows a road running N.W. from the water line, which could not be identified on the photographs.

(2) At approximately Latitude  $37^{\circ} 13' 18''$  and Longitude  $76^{\circ} 41' 53''$  the photographs show a water passage between an island and the mainland, while the quadrangle shows a peninsula.

(3) At approximately Latitude  $37^{\circ} 13' 24''$  and Longitude  $76^{\circ} 40' 05''$  the quadrangle shows a road running northerly from the shoreline which could not be identified on the photographs.

45 COMPARISON WITH NAUTICAL CHARTS:

Chart No. 529, published September, 1940, issued March 25, 1942, scale of 1:40,000.

Due to scale difference between this map drawing and Chart No. 529, planimetric details could not be satisfactorily compared. However, the following disagreements were noted:

At approximately Latitude  $37^{\circ} 13' 18''$  and Longitude  $76^{\circ} 41' 53''$  the photographs show a water passage between an island and the mainland, while the Chart shows a peninsula.

At approximately Latitude  $37^{\circ} 11' 50''$  and Longitude  $76^{\circ} 44' 30''$  the chart shows a road near the shoreline running across the marsh. The field inspection notes made on a copy of Chart No. 529 shows this road to be now gone. This road could not be identified on the photographs.



Respectfully submitted,  
May 27, 1943

William O. Norris  
William O. Norris  
Asst. Eng. Draftsman

Compilation & Descriptive Report  
Reviewed by:

James E. Sunderland  
James E. Sunderland  
Sr. Photogrammetric Aid

Supervised by,

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

Approved & Forwarded:  
May 28, 1943

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



STATISTICAL REPORT  
FOR

RADIAL PLOT FOR MAP DRAWING NO. T-8071

JAMES RIVER, VA.; MILL CREEK TO GRICES RUN



	7822	7823	7824	7773	7774	7775	7776	7799	7800	7669	7750
Silo, 1938, r.1942								X	X	X	
Large Gray Barn, South Gable, 1938, r.1942								X	X	X	X
Archershape, 1867, r.1942											
<sup>Substituted</sup> Supplemented by F.I.S. "HER"					X	X		X		X	X
House near Entrance to College Creek, West Chimney, 1938, r.1942		Off 1.5 mm.		Off 1.0 mm.	X	X		X			X
End, 1938, r.1942	X	X	X	Off 1.0mm.	X	X	X	Off 0.2mm.			X
Tower, East of College Creek, Flagpole, 1938, r.1942	X	X	X		X	X	X				
Homewood Light, 1938, r.1942						X	X			X	X
Grove, Ecc., 1932, r.1942			Off 0.3mm.			X	X				
Hog 1, (U.S.E.), 1930, 1938, r.1942, <sup>Substituted</sup> Supplemented by F.I.S. "BOX"								X		X	X
Goose, (U.S.E.), 1938, r.1942, <sup>Substituted</sup> Supplemented by F.I.S. "GOS" (Tree)								X	Off 0.8 mm.	X	
P.T.S. No.3 (U.S.G.S.), 1938, <del>1942</del>				No identification on field photographs.							
P.T.S. No.4 (U.S.G.S.), 1918, r.1942			Off 0.5mm.		Off 0.6mm.	X	Off 0.2mm.				
P.T.S. No.8 (U.S.G.S.), 1932, r.1942											
P.T.S. T Road N. to Old Deserted White House. Intersection of Roads (U.S.G.S.), 1942		X	X			X	X				
Williamsburg, 1932, r.1942 <sup>Substituted</sup> Supplemented by F.I.S. "BUR"				X				X	X		
Slide, 1938, r.1942							X				
Jamestown, 1869, r.1938, r.1942 <sup>Substituted</sup> Supplemented by F.I.S. "JAM"								Off 0.3mm.	X	X	
Williamsburg, William & Mary College, Highest Stack, 1932, r.1942				X	X						
Hog 2, (U.S.E.) 1930, 1938, r.1942 <sup>Substituted</sup> Supplemented by F.I.S. "BAY" (bush)						X	X				X
P.T.S. Stone Monument Marked - "W.A.", (U.S.G.S.), r.1942				no identification on field photographs.							
P.T.S. No. 436 Junction of State Highways No. 31 & No.5 (U.S.G.S.), r.1942				X	Off 0.3 mm.		X	X	X		
P.T.S. No. 17 (U.S.G.S.) r.1942			X				X				
P.T.S. No. 7 (U.S.G.S.), 1918C, r.1942		X	X			Off 0.3mm.					
P.T.S. No.11 (U.S.G.S.), 1918 r.1942		Off 0.2mm.		Off 0.3mm.	X	X					
*** P.T.S. No. 11 (U.S.G.S.) 1918C, r.1942							X				
P.T.S. No. 1 (U.S.G.S.), r.1942		Off 0.2mm.		X	X						



7822

7823

7824

7773

7774

7775

7776

7799

7800

7669

7750

P.T.S. No. 16 (U.S.G.S.)

r.1942

*Not used in plot. unnecessary*

P.T.S. No. TT6 (U.S.G.S.)

1918C, r.1942

X

X

X

X

X

42 secondary control points established

11 principal points established

"x" indicates ~~low~~ station held either tangent or 100% in the plot



ADDITIONAL WORK

1944



## DATA RECORD

T- 8071

Quadrangle (II): Yorktown, Va. (U.S.G.S.)

Project No. (II): CS 283

## Field Office:

Air Photographic Party No. 2  
Baltimore, Md.

Chief of Party: Fred. L. Peacock

## Compilation Office:

Air Photographic Party No. 2  
Baltimore, Md.

Chief of Party: Fred. L. Peacock

## Instructions dated (II III):

March 26, 1942; July 15, 1942;  
Sept. 30, 1942; Nov. 14, 1942.Copy filed in Descriptive  
Report No. T- (VI)

Completed survey received in office:

Reported to Nautical Chart Section:

Reviewed:

Applied to chart No.

Date:

Redrafting Completed:

Registered:

Published:

Compilation Scale: 1:10,170

Published Scale:

Scale Factor (III): 0.983284

Geographic Datum (III): N. A. 1927

Datum Plane (III): Mean Sea Level

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

Lat.: 37° 13' 21.940" (676.4m) Long.: 76° 40' 28.419" (700.6m) Adjusted  
~~Unadjusted~~

State Plane Coordinates (VI):

X =

Y =

Military Grid Zone (VI)



Same as original data sheet  
Form T-1

Tide from (III); Hampton Roads (Naval Base) with time correction to  
Hog Point, Va.

Mean Range: 2.1'

Spring Range: 2.5'

Camera: (Kind or source) U. S. Coast & Geodetic Survey nine lens camera (focal length 8 1/2"). All negatives are on file in the Washington Office.

Field Inspection by: (Additional) Lt. Dale E. Sturmer      date: March 1944

Field Edit by:

date:

Date of Mean High-Water Line Location (III): Nov. 26, 1941

### Projection and Grids ruled by (III)

**date:**

checked by:

**date:**

Control plotted by:

**date:**

Control checked by:

**date:**

Radial Plot by:

**date:**

Detailed by: (Additional) Mildred M. Trautman

date: 6/2/44 to 6/13/44

Reviewed in compilation office by: J. Steinberg

date: 6/14/44

Elevations on Field Edit Sheet  
checked by:

date:



STATISTICS (III)

Land Area (Sq. Statute Miles);

Shoreline (More than 200 meters to opposite shore);

Shoreline (Less than 200 meters to opposite shore);

Number of/<sup>additional</sup> Recoverable Topographic Stations established; 4

Number of/<sup>additional</sup> Temporary Hydrographic Stations located by radial plot; 117

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:



#### ADDITIONAL WORK -- 1944

In accordance with the original instructions for Project CS 283 and various supplemental instructions, the field inspection at the lower part of the James River did not at first include complete field inspection of tributary streams. The field inspection of the main river and the mouth of all tributary streams was first completed to Richmond, Va. The completion of the field inspection of tributaries was then carried on from the upper river toward the lower river. The field inspection of tributary streams was completed in the Spring of 1944.

In order to assure shoreline and hydrographic information in advance of the needs of operating hydrographic parties working in the main river, Map Drawings for the areas of ten surveys were submitted in advance of completion, with respect to tributary streams. Survey No. T-8071 is one of these.

The High-Water Line and marsh line (limit of navigation line) and adjacent planimetry of the portion of James River, falling within the limits of this Map Drawing and its tributaries to the head of navigation in the area, were originally compiled between December 1942 and March 1943.

Since that time the Compilation Office has been furnished the identification of four additional recoverable topographic stations and one hundred seventeen (117) additional temporary hydrographic stations. These were identified on 1:10,000 field photographs by numbers, and their descriptions were listed in two field note books, Form 274 (Vol. 1 and Vol. 2), by corresponding numbers. These stations were transferred to the 1:10,000 office photographs and radially plotted on the Map Drawing. The number, description of each additional temporary hydrographic station, and the number, name and description of each additional recoverable topographic station, have been shown on the overlay sheet for this Map Drawing. See Review Report



Minor revision of detail was made to agree with the radially plotted positions of the additional temporary hydrographic stations.

Form 524 is being submitted for four additional recoverable topographic stations, namely:

SOUTH GABLE ~~LARGE HIP ROOF BARN~~, 1944  
EAST GABLE ~~LOG BARN~~, 1944  
COL, 1944  
SOUTHEAST GABLE, ~~YELLOW HOUSE~~, 1944

The limits of navigation of College Creek and a branch of College Creek, extend approximately one minute north of Latitude  $37^{\circ} 15'$ , which is also the northern limit of this Map Drawing. These two streams are the only navigable waters in the area of Survey No. T-8072 covered by project instructions to date. They have been detailed on the north margin of the Map Drawing, Survey No. T-8071, and no separate Map Drawing will be necessary for the area of Survey No. T-8072 in connection with Project No. CS 283.



Respectfully submitted:  
June 17, 1944

Mildred M. Trautman  
Mildred M. Trautman  
Jr. Photogrammetric Aid

Additional Work Reviewed  
and Supervised by:

Joseph Steinberg  
Joseph Steinberg  
Asst. Photogrammetric Engineer

Approved and Forwarded:  
June 23, 1944

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



16-51698-1 U. S. GOVERNMENT PRINTING OFFICE



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

To be deleted

~~TO BE CHARTED~~

TO BE DELETED

STRIKE OUT ONE

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Baltimore Office

January, 1943

I recommend that the following objects which have ~~(inspected)~~ been inspected from seaward to determine their value as landmarks be  $d_e$  ( $e_d + e_{from}$ ) charted on ~~(sketch-board)~~ the charts indicated.

The positions given have been checked after listing by

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.



TO BE CHARTED  
TO BE DELETED

Washington Office

November 8

1967

The positions given have been checked after listing by C. Theurer

Chart Letter 917 (49)

S. V. Griffith

*Chief of Party.*

STATE			POSITION										CHARTS AFFECTED					
Virginia - James River			LATITUDE		LONGITUDE		DATE OF LOCATION		METHOD OF LOCATION AND SURVEY No.		DATE OF LOCATION		HARBOR CHART		INSHORE CHART		OFFSHORE CHART	
CHARTING NAME	DESCRIPTION	SIGNAL NAME	°	'	D. M. METERS	°	'	D. P. METERS	DATUM									
T-8070	Deep Water Shoals Light (1867)		37	08	1708.9	76	38	337.2	MA 1927	Triang.	1870							529
	Silo		37	08	749.2	76	43	590.7	"	Photo	1942							"
	Cable		37	11	383.2	76	41	569.8	"	Photo	1942							"
	Note: See Chart Letters 621(47 and 496(49) for additional Aids to Navigation																	
T-8071	Homewood Light (1935)		37	11	1163.3	76	40	1074.8	MA 1927	Triang.	1938							"
	Tree Hill Shoal Light		37	12	394.2	76	38	1240.8	"	Photo	1942							"
	Note: Tree Hill Shoal Light is not in 1949 Light List. See Chart Letter 621(47)																	
	Tower		37	13	598.3	76	39	29.6	MA 1927	Triang.	1938							"
	Silo		37	12	1633.0	76	43	798.6	"	Triang.	1938							"
	Note: Charted Landmark "SE. Cable" recommended by a later survey. See Chart Letter 555(48)																	



Descriptions of Photo-Hydro stations T-8071

- 93 Large, prominent, dead tree with many limbs on bluff.
- 94 Dead tree trunk on water line about 100 meters east of a small rocky point.
- 96 Center of upturned cedar on beach just west of wharf ruins.
- 98 Center of cluster of cedars on beach in front of marsh and inshore from old piling.
- 100 Center of west cedar on sand spit on east side of entrance of small stream.
- 101 Large, lone, deciduous tree lying on beach, extending about 30 feet over water. Marked by a triangular blaze at water line on west side.
- 102 Cedar leaning over water at foot of bluff and in front of west end of field. Triangular blaze on west side.
- 104 Roots of dead tree lying in water at East end of cleared field. Two fallen trees lie immediately to the West.
- 105 Small, gnarled, deciduous tree at water line and about 200 meters east of end of fish trap. Triangular blaze in root of tree.
- 106 Spruce tree just outside water line and about 100 meters west of ruins of wharfs. Triangular blaze on east side of trunk.
- 107 Small cedar on edge of bluff, to west of a large, log house with brick chimneys. More cedars to the north and west of this one.
- 108 Deciduous and pine trees about 5 feet apart on small point of water line. Triangular blaze on outer side of pine.
- 109 Locust bush about 150 meters east of entrance to College Creek and just west of point where bluff starts sloping to west. Triangular blaze in trunk facing water.
- 260 Offshore gable of large house.
- 261 Northerly gable of red roofed house. Northerly house in area.
- 262 Lone spruce on east side of point.
- 263 Cedar on north side of point. Only cedar here.
- 264 Cedar in water.
- 266 Blaze on large, bushy pine at W.L. just southwest of a lagoon.



- 310 Southeast tip of grass at small creek in marsh.
- 311 Southwest tip of break in grass line.
- 312 Northeast tip of grass at large creek in marsh.
- 313 Northwest tip of grass at medium size creek in marsh, brush at entrance.
- 314 West tip of point.
- 315 Center of break in center of outside turn.
- 316 Southeast tip of grass at large creek in marsh.
- 317 Center of break of center of inside turn.
- 318 Northwest tip of grass at small creek at outside turn.
- 319 Base of leaning oak tree at MHW..
- 320 Northeast tip of grass at large creek in marsh.
- 333 Bow of small wreck at LHWI
- 337 Southeast tip of tall grass of large creek in marsh.
- 340 Northeast tip of grass at large break in grass line.
- 339 Center of small grass island (island at high water only) close to marsh line.
- 341 Fence at MHWL.
- 342 East tip of grass at small stream into marsh.
- 343 Northeast tip of grass at entrance to stream in marsh.
- 344 Small grass island at south side of entrance to small creek.
- 345 Tip of grass extending out from fast land.
- 346 Southeast tip of tall grass on point.
- 347 Northwest tip of grass at entrance to creek in marsh.
- 348 Broken top oak tree on north side of wooded point projecting into marsh.
- 349 North tip of grass at small ditch in marsh.
- 350 Northwest tip of grass at small ditch in grass.



- 351 South tip of grass at small island on point.
- 352 South tip of grass at creek in marsh.
- 353 East tip of grass at break in grass line.
- 354 South gable of boat shed.
- 355 North tip of grass at entrance to stream in marsh.
- 356 North tip of grass on point.
- 357 Thirty foot, lone, cypress tree in marsh, 20 meters from fast land.
- 358 Tallest and largest of a group of cypress trees in marsh.
- 361 Outer end of a large, greer, bushy, pine tree hanging over water.
- 362 Outer end of a green, overhanging bush in marsh along fast land.
- 363 West tip of grass on large grass island.
- 364 South tip of the southernly of three grass islands. All covered at MHW.
- 366 West tip of low bush extending out into marsh.
- 366A Northwest tip of grass at ditch on North side of island.
- 366B Northwest tip of grass on south side of ditch on west side of island.
- 367 Southwest tip of grass at ditch into marsh.
- 368 Southwest tip of grass at stream into marsh.
- 369 North tip of grass at ditch in marsh between two points of fast land.
- 370 South tip of grass at ditch in marsh.
- 371 South tip of grass at ditch into marsh.
- 372 Southwest tip of grass at stream into marsh.
- 373 North tip of grass at stream running between marsh and fast land.
- 374 North tip of grass at forks.
- 375 South tip of grass at large stream into marsh. Duck blind nearby.



- 376 Northeast tip of marsh at entrance to small creek.
- 377 North tip of marsh at entrance to small stream.
- 378 North tip of marsh at entrance to small stream.
- 379 Southwest tip of grass at entrance to small stream or ditch in marsh.
- 380 Southeast tip of grass at break in grass line about 30 meters from fast land.
- 381 Southeast tip of grass at entrance to small stream.
- 382 Northeast tip of grass at entrance to small stream.
- 383 Southwest tip of marsh on point.
- 384 Northeast tip of grass at break in grass line.
- 385 Fifteen foot cedar tree overhanging LHWL.
- 386 Northeast tip of grass at entrance to creek.
- 387 Northeast tip of grass at the entrance to short stream in marsh.
- 388 West tip of grass at junction of two creeks.
- 389 Northwest tip of grass at small break in grass line.
- 390 Overhanging cedar tree, 12 meters downstream from dead tree.
- 391 Northwest tip of grass at ditch in grass line.
- 392 Southeast tip of grass at small stream into marsh.
- 393 East tip of grass at entrance to small stream in marsh.
- 394 Northeast tip of grass at entrance to small stream in marsh.
- 395 Most easterly tip of grass on point.
- 396 Northeast tip of grass at entrance to ditch or stream in marsh.
- 397 Southwest tip of marsh at entrance to small stream.
- 398 South tip of grass at ditch into marsh.
- 399 Northwest tip of marsh at entrance to ditch.
- 400 West face of mid-stream pier.
- 401 Southeast tip of marsh at ditch into marsh.



- 402 South tip of marsh at "posted" sign.
- 403 North tip of old fence and marsh line.
- 404 Southwest tip of marsh at entrance to small stream.
- 405 Southwest tip of grass at entrance to small stream.
- 406 Northeast tip of marsh at break in marsh line.
- 407 Small grass island in marsh, about 3 meters from main channel line.
- 408 North tip at stream into marsh.
- 409 Northwest tip of marsh at point.
- 410 Northwest tip of marsh at small stream in marsh.
- 411 Southeast tip of grass at ditch in marsh.
- 412 Center of break in marsh, 20 meters from fast land.
- 413 Southwest tip of ditch at upstream end of tall grass.
- 414 Green limb on laying down cedar at marsh and fast land line.
- 415 Southeast end of catwalk.
- 416 Northeast tip of tall grass on rounding point.
- 417 Southeast tip of marsh at break in marsh line.
- 418 North tip of grass at entrance to large stream.
- 419 Northeast point of marsh at break.
- { 652 Tallest of the old piling at mouth of stream entering the James River, north of Triangulation Station GOOSE. This piling is near the north shore of the stream.
- 653 Bushy deciduous tree on WL. This is the only tree along this stretch of marsh.
- 609 Blaze on trunk of tree lying in water on small point.
- 610 Lone pine tree at west edge of clearing over low, dirt bank.
- 611 Duck blind about  $\frac{1}{4}$  mile offshore.
- 613 Blaze on outer of two dead pines on WL at east edge of cut through bluff.



- 614 Cloth on dead tree standing in water, west of entrance to College Creek.
- 615 Cloth on small pine bush on south side of entrance to small stream.
- 616 Piling in mid-channel about 4 feet above MHW
- 617 Blaze on pine leaning over water on North side of College Creek.
- 618 Duck Bline.
- 619 "Posted" sign at south corner of marsh.
- ✓ 620 South gable of house on beach of inner end of wharf.
- 622 Piling in water.
- 623 Cloth tied to root of tree lying in water off point.
- 624 Trunk of dead tree standing at water's edge.
- 625 Duck blind.
- 626 Blaze on pine near WL south of a group of pines.
- 627 "Posted" sign on the north side of entrance to small stream.
- 628 "Posted" sign on point of marsh, west side of mouth of creek.
- 629 "Posted" sign in center of small stream at north edge of water.
- 647 Easterly of two pines in marsh. This pine has vines growing half way up the tree.
- 648 Blaze on large cypress at WL.
- 649 Boundary marker nailed to small tree on point.
- 651 Blaze on large, tall pine at south end of riprap. The southerly of two pines here.
- 654 Blaze on lone small deciduous tree on rounding point just southwest of entrance of a small stream.
- 687 Northwest tip of marsh at entrance to stream in marsh.
- 688 North tip of marsh at entrance to small creek with inside mouth in marsh.
- 689 East tip of small, long island at entrance to creek in marsh on north side of island. At low water it looks like a peninsula out in the mouth of the side creek.

See  
Page 5  
for 652  
653



- 690 Southeast tip of marsh at small stream in marsh on west side.
- 691 Center of east tip of marsh on point.
- 692 Northwest tip of marsh at entrance to stream.
- 693 Northeast tip of marsh at entrance to small stream in marsh.
- 694 Northwest tip of marsh at ditch in marsh.
- 695 Northeast tip of marsh at entrance to stream in marsh.
- 696 Flat top cedar tree in center of marsh between two clumps of cedar trees, 2 meters from water's edge, 15 feet high.
- 697 Very small grass and marsh island at center entrance to stream.
- 698 Northeast tip of marsh at entrance to stream in marsh.
- 699 Northeast tip of marsh at entrance to stream in marsh.
- 700 Fence at marsh line, 30 meters down stream from boat landing. Fence is stake and wire.
- 701 West tip of small marsh island in creek, 15 meters offshore
- 702 West tip of marsh on south side of small stream in marsh.
- 703 Southwest tip of marsh at entrance to small stream in marsh.
- 704 South tip of marsh at entrance to small stream in marsh.
- 705 Northwest tip of ditch in marsh, 40 meters downstream from dead bushy tree overhanging water.
- 706 Northwest tip of marsh at entrance to small stream in marsh.
- 707 Northeast tip of marsh at entrance to large stream in marsh.
- 708 Northwest tip of marsh at entrance to stream in marsh.
- 709 Southeast tip of marsh at entrance to small stream in marsh.
- 710 Northeast tip of marsh at entrance to small stream in marsh.



# LIST OF GEOGRAPHIC NAMES

In general, no investigation of geographic names was made by the Field Inspection Party of 1942. Listed below are the names that pertain to the detail limits of this map drawing:

- College Creek
- Grices Run
- James River
- Jamestown Island
- Kingsmill Neck
- Kingsmill (Wharf)
- Martin's Beach
- Mill Creek
- Passmore Creek
- The Thorofare
- Treasure Island (of purely historical interest)
- Lower Pt.
- Black Pt.

The geographic name, "Kingsmill (Wharf)" appears on the Yorktown Quadrangle. This wharf is shown in structure only on Chart No. 529, and is now in ruins with only the old piling remaining.

Reference has been made by Field Inspection Party on photograph 7669 (at approximately Latitude  $37^{\circ} 12' 45''$ , Longitude  $76^{\circ} 43' 55''$ ) to a "Treasure Island (First Camp of slaves in this country)". The compiler is doubtful whether this should be considered a geographic name, however, it has been noted on the overlay sheet for this map drawing.

Names preceded by •  
are approved. 11/30/48  
L. Heck

- Hog Point
  - Homewood
  - Homewood Creek
- } Names approved on  
Geogr. Names List in  
Desc. Rept T-8070



Division of Photogrammetry  
Review Report of  
Shoreline Map Manuscript T-8071

28. Detailing.--The area north of latitude  $37^{\circ}11.25'$  will be transferred to T-8071 from T-8070 by the smooth draftsman.

31. Low Water and Shoal Lines.--The outline of shallow areas was deleted where it did not follow a regular depth curve and would be of no value to the hydrographer.

37. Topographic and Photo-Hydro Stations.--A list of descriptions of photo-hydro stations was prepared and made a part of the descriptive report.

The names of topographic stations were changed to a short, descriptive term.

38. State Grids.--The state grid, Virginia, South Zone, was plotted on the map manuscript at a 5000' interval.

40. Geographic Names.--Names were added to the map manuscript from the approved list submitted by the Geographic Names Section.

43. Comparison with Contemporary Hydrographic Surveys.--  
H-7087                      1:10,000                      1945-47

Piling shown on the hydrographic sheet between the shoreline and the ruins of a pier near the mouth of Grices Run were not indicated by the field inspector. No discrepancies were noted between the position of soundings on the hydrographic survey and the shoreline on the map manuscript.

44. Comparison with Existing Surveys.--  
USGS Smith Field, Quadrangel, 1:62,500      1907      Repr. 1944.

T-1289	1:20,000	1873
T-1290	1:20,000	1873-74
T-1289a	1:20,000	1910
T-1290a	1:20,000	1910
T-2693	1:10,000	1905
* T-8318	1:20,000	1944

Common features on all previous surveys are superseded by the map manuscript in common areas *for nautical charting purposes.*

\* Corrections were not brought forward to the map manuscript from T-8318

45. Comparison with Nautical Charts.--  
Chart No. 529      1:40,000      1944 Corr. 1947

The cable area shown on the chart was not identified on the photographs.



- 2 -

Feature shown at Hog Point on the chart should be a fish trap instead of a pier.

The bag shown on the chart NW. of Homewood is shown as a marsh on the map manuscript.

51. Application to Nautical Charts.-The map manuscript has been applied to the nautical chart.

Reviewed by:

Charles Theurer  
C. Theurer  
11-30-48

APPROVED:

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

H. C. Johnston  
Chief, Nautical Chart Branch  
Division of Charts

O. S. Reading *B.G.*  
~~Acting~~ Chief, Division  
of Photogrammetry

Acting *K. J. Crosby*  
Chief, Division of Coastal  
Surveys