

# 8055

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

Form 504

U. S. COAST AND GEODETIC SURVEY  
DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Air Photographic (Shoreline)

Field No. CS-283 Office No. T-8055

### LOCALITY

State Virginia

General locality James River

Locality Newport News

194 1-'42

CHIEF OF PARTY

E.B. Lewey

LIBRARY & ARCHIVES

DATE \_\_\_\_\_

8-1870-1 (1)

# 8055

## DATA RECORD

T- 8055

Quadrangle (II): Newport News  
 Field Office:

Project No. (II): CS-283  
 Chief of Party: E. B. Lewey

Compilation Office: Chief of Party:  
 Air Photo. Survey Party No. 2  
 Baltimore, Maryland  
 Instructions dated (II III): Comdr. Fred. L. Peacock Div. of Photogrammetry  
 March 26, 1942; July 15, 1942) Copy filed in Descriptive Office  
 Sept. 30, 1942; Nov. 14, 1942) 1942 Report No. T- (VI) Files

Completed survey received in office: 1/7/43

Reported to Nautical Chart Section: 1/15/43

Reviewed: 10-27-48 Applied to chart No. 529 Date: 11-8-43  
 400 10-22-43

Redrafting Completed:

Registered: 6-27/49 Published:

Compilation Scale: 1:10,000 Published Scale:

Scale Factor (III): None

Geographic Datum (III): Datum Plane (III): MHW  
 North American 1927 Mean Sea Level

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

Lat.: 36° 56' 48.563" 1497.0m Long.: 76° 29' 45.338" 1121.8m Adjusted  
~~Unadjusted~~

State Plane Coordinates (VI): Virginia - South Zone

X = 2, 585, 615.58 Y = 229, 575.07

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
7736	11/26/41	10:46 a.m.	1:10,000	0.4' above M. L. W.
7739	11/26/41	10:52 a.m.	1:10,000	0.4' above M. L. W.
7785	11/26/41	12:03 p.m.	1:10,000	1.0' above M. L. W.
7787	11/26/41	12:13 p.m.	1:10,000	1.1' above M. L. W.
7788	11/26/41	12:13 p.m.	1:10,000	1.1' above M. L. W.
7789	11/26/41	12:13 p.m.	1:10,000	1.1' above M. L. W.

Tide from (III): Hampton Roads (Naval Base), Va. with time correction  
Newport News, Va.

Mean Range: 2.6'                      Spring Range: 3.0'

Camera: (Kind or source)

U.S. Coast & Geodetic Survey Nine lens; (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, 1942

Field Edit by: None

date:

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

November 26, 1941

Projection and Grids ruled by (III) Wash. Office, W.D.H date: 11/20/42

" " " checked by: Washington Office, J.O.N date: 11/20/42

Control plotted by: Harry R. Rudolph date: 11/23, 24/42

Control checked by: James E. Sunderland date: 11/25/42

Radial Plot by: Walter E. Schmidt date: 11/26/42

Detailed by: James E. Sunderland & Michael G. Misulia date: 11/27/42 to  
12/14/42

Reviewed in compilation office by: date: 12/15/42

Michael G. Misulia and James E. Sunderland  
Walter E. Schmidt

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):  
6.5 statute miles

Shoreline (Less than 200 meters to opposite shore):  
2.0 statute miles

Number of Recoverable Topographic Stations established:

6

Number of Temporary Hydrographic Stations located by radial plot:

~~29~~ ~~25~~ 32

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 8055

T 8055, 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 8364 (Project CS-289) completely covers T 8055. The former was compiled in 1944 from 1:20,000 scale photographs taken in 1942 in contrast with T 8055, compiled in 1942-3 from 1:10,000 scale photographs taken in 1941.

## Field Inspection

Field inspection data for the area of T 8055 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 and control transferred from adjoining map drawings consists of 30 U. S. Coast & Geodetic Survey Triangulation Stations, 1 U.S.E. Triangulation Station, and 1 V. C. F. Triangulation Station.

The following list of Triangulation Stations are within the detailed limits of this map drawing:

- \*Black Tank No. 3 (Same as Newport News South Base), 1927, r.1932, r.1942
- \*Orange Tank, 1941, r.1942
- \*Newport News, N.N. Shipbuilding Corp., Brick Stack (same as Shipyard Chimney) 1919, r.1932, r.1942
- \*Newport News, N.N. Shipbuilding Corp., Red Tank (Same as Red Tank, 1932) r.1942
- \*Newport News, courthouse, square tower, 1906, r.1919, r.1942
- \*Newport News, Church Spire, 1913, r.1932, r.1942
- \*Newport News, lower of two tanks, 1919, r.1942
- \*Newport News, higher of two tanks, 1919, r.1942
- \*Newport News, Army Warehouse, brick chimney, (same as Cone Shaped Stack, 1941) r.1942
- \*Brick Chimney near elevator, 1919, r.1927
- \*Newport News, Black Water Tank (Same as Tank, C & O Elevator, 1932), r.1942
- \*Newport News, Tank No.4, 1932, r.1942
- \*Newport News, Middle Ground Light House, 1903, r.1932, r.1942
- \*Darling Watch House, Chimney, 1919, r.1942
- \*Buxton Hospital, cupola, 1919, r.1931, r.1942
- \*Newport News, W.G.H., Radio Tower, 1940, r.1942
- Fishing 2, 1938, r.1942
- Vest, 1934, r.1942
- J.A.C. (U.S.E.), 1934, r.1942
- Cooper (V.C.F.), 1941, r.1942

The following list of Triangulation Stations are without the detailed limits of this map drawing:

- \*Black Tank No.1, 1941, r.1942
- \*Aluminum Tank, 1941, r.1942
- \*Slate Colored House Gable, 1906, r.1919, r.1942
- \*Yellow House, Round Cupola, 1906, r.1919, r.1942
- \*James River Bridge, North Tower, 1932, r.1942
- \*James River Bridge, South Tower, 1932, r.1942
- \*House, 1941, r.1942
- Terminal 2, 1941, r.1942
- Field, 1934, r.1942
- Seventeen, 1934, r.1942
- Kish, 1934, r.1942
- Rag, 1934, r.1942

All stations marked with the asterisk symbol could be pricked on the photographs and were used to control the plot.

Note: Newport News, Warwick Hotel, brick chimney (Listed as Brick Stack near Warwick Hotel, 1932, r.1942 on form 28B). This station would not hold in plot. The station was not shown on the map drawings. The stack as pricked by field party was located by photo compilation and submitted as a

Code:3 Notified 10-27-45

The control plotted and control transferred from adjoining map drawings consists of 30 U. S. Coast & Geodetic Survey Triangulation Stations, I. U. S. B. Triangulation Station, and I. V. C. F. Triangulation Station.

The following list of Triangulation Stations are within the detailed limits of this map drawing:

- \*Black Tank No. 3 (Same as Newport News South Base), 1927, r. 1932, r. 1914
- \*Orange Tank, 1914, r. 1914
- \*Newport News, N. N. Shipbuilding Corp., Brick Stack (same as Shipyard Chimney), 1919, r. 1932, r. 1914
- \*Newport News, N. N. Shipbuilding Corp., Red Tank (same as Red Tank, 1932) 1919
- \*Newport News, N. N. Shipbuilding Corp., square tower, 1906, r. 1919, r. 1914
- \*Newport News, Church Spire, 1913, r. 1932, r. 1914
- \*Newport News, lower of two tanks, 1919, r. 1914
- \*Newport News, higher of two tanks, 1919, r. 1914
- \*Newport News, Army Warehouse, brick chimney, (same as cone shaped stack, 1914), r. 1914
- \*Brick Chimney near elevator, 1919, r. 1914
- \*Newport News, Black Water Tank (same as Tank, C & O Elevator, 1932), r. 1914
- \*Newport News, Tank No. 4, 1932, r. 1914
- \*Newport News, Middle Ground Light House, 1903, r. 1932, r. 1914
- \*Darling Watch House, Chimney, 1919, r. 1914
- \*Buxton Hospital, cupola, 1919, r. 1931, r. 1914
- \*Newport News, W. G. B. Radio Tower, 1919, r. 1914

The azimuth between  $\Delta$  James River and  $\Delta$  S. T. Sever computed by an inverse computation and found to be  $41^{\circ}49'$ .

The distance between the towers is only about 90 meters and their positions have been determined by intersection.

The azimuth of the bridge as plotted on the map is correct and checks with the azimuth between  $\Delta$  Terminal originally located at the extreme ends of the bridge.

The two bridge towers ( $\Delta$ ) are approximately 90 meters apart and, as per Headley, the azimuth between two points so close together cannot be used as a basis for determining that the S. P. of one or the other tower is in error when compared, as in this case, with the scaled azimuth of the bridge. (A ~~photo~~ position is about  $3^{\circ}$  of az. at 45 meters)

K. H. M. 8/30/49



26 Control: (cont'd)

recoverable hydrographic-topographic station on form no. 524. It is recommended, that the original station be considered lost.

Newport News, Foundary large brick stack. This stack as pricked by the field party was located by photo. compilation. Form no. 524 is being submitted. Photo. compilation proves that no chimney exists as located by Geographic Positions listed on form 28B (photostat). Accession No. of computation G 5005. Position as plotted from Geographic Positions and position as located by photo. compilation are in disagreement approximately 93m.

Reported to Geodesy 10-27-48

27 Radial Plot:

The control density, identification and number of photographs were adequate.

The closure and adjustment were negligible.

There were no questionable areas on this map drawing.

An individual plot was laid for this map drawing, T-8055, by the radial line method. No templates were used.

Photographs were oriented under the map drawing and secondary control points established to prove the plot.

No exceptional difficulty was encountered.

28 Detailing:

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

Bluffs were shown on the map drawing when called for by the Field Inspection, as Lieut. Lewey has informed this office that the Field Inspection shows all bluffs in this area.

As the photographs covering this map drawing definitely were considerably out of scale, this map drawing was detailed entirely with the use of the projector.

The James River Bridge is detailed over the entire water area on this map drawing. (Map Drawings Nos. T-8055 and T-8062 were joined together and the Northeast and Southwest ends of the bridge were established. Then on T-8062 the southwest highway approach to the bridge, was established about one mile back from the end of the bridge. These established points were examined carefully and this office concluded that the bridge was straight, and it was drawn in accordingly between these points. The Azimuth of the bridge was then scaled and from the northeast end to the southwest end was found to be  $44^{\circ} 33'$ . Also, the Azimuth was computed from Station - James River Bridge, N. Tower, 1932, r.1942 to Station - James River Bridge, S. Tower, 1932, r.1942 and found to be  $41^{\circ} 49' 16.10''$ . The difference in Azimuth was noted on the overlay for T-8055. From inspection and the above, this office feels that the

See app. p.

28 Detailing: (cont'd)

~~position of James River Bridge, S. Tower, 1932, p. 1942 is slightly in error.~~  
Form No. 662 is being submitted with this report.

*Reported to Geodesy - 10-27-48 see opposite p. 5.*

Bench Mark F-27 is on the south side of the James River Bridge northeast of North Tower and is shown with the conventional Bench Mark symbol, but the position is not strong. *Outside limits of this sheet*

Bridges are shown on the map drawing with all necessary data noted.

New construction was under way at the Newport News Shipbuilding & Dry Dock Co., and as this did not show on the photographs, the detail for this was taken from a blueprint furnished by the Shipbuilding Co. Certain portions of this construction are to be used by the Navy, and we were requested to eliminate special sections as outlined on the submitted blueprint. The limits of these areas were outlined on the map drawing and proper notations made on the overlay.

Buildings shown in the area of Newport News Shipyards were shown as of photographs when these buildings appeared completed. Those which were not as yet built, were shown as indicated on the blueprint.  
*Blueprint mentioned above was not available during review. The information shown on the map manuscript is from the photos except the bulkhead labelled "Under construction".*  
In general, the photographs and field inspection were considered by the compiler to be adequate for the detailing of this map drawing.

The area west of Longitude  $76^{\circ} 29'$  and south of Latitude  $36^{\circ} 58'$  has been detailed on map drawing T-8062. *This area to be detailed on T-8065 by the smooth draftsman.*

29 Supplemental Data:

No graphic control surveys of this Bureau were used in the compilation of this map drawing. The only maps or plans of other organizations used in the compilation of this map drawing are listed as follows:

1. The above mentioned blueprint of the Newport News Shipbuilding & Dry Dock Co. showing new construction to their plant, located on the west side of Newport News along the James River.
2. A print from the U. S. Engineer's Office, Norfolk, Va., shows the plans of a new ammunition loading pier being constructed in the vicinity of Lat.  $36^{\circ} 57' 50''$ , Long.  $76^{\circ} 25' 17''$ . This pier does not show on the photographs, but was detailed on the map drawing from the above mentioned blueprint. *See "Additional Work" 1944, Part 2 of this report.*

30 Mean High Water Line:

The M.H.W. line is indicated by a heavy line, the center of which should be taken as the true position. At numerous places the M.H.W. line is along bulkheads, the locations of these being labeled on the overlay. A tide curve was drawn in order to approximate the amount of tide for each photo, used to compile the shoreline and adjacent culture on this map drawing.

31 Low Water & Shoal Lines:

Most of the shoreline, except in areas developed with piers and bulkheads, consists of mud and sand, and is labeled.

Approximate limits of ~~shoal~~ <sup>shallow</sup> areas are shown with a light dashed line and labeled.

32 Details offshore from the High Water Line:

In the vicinity of Lat.  $36^{\circ} 58' 5''$ , Long.  $76^{\circ} 23' 17''$  there is a platform on piles in the water.

In the vicinity of Lat.  $36^{\circ} 59' 58''$ , Long.  $76^{\circ} 21' 59''$  there is a house on piles in the water. (This was located for use as a Hydrographic Station.)

In the vicinity of Lat.  $36^{\circ} 59' 36''$ , Long.  $76^{\circ} 22' 50''$  there are two fish traps in the water.

The compiler recommends that the Hydrographic Party investigate, in the vicinity of Lat.  $36^{\circ} 59' 51''$ , Long.  $76^{\circ} 22' 16''$ , a house on piles in the water that the field inspections questions.

33 Wharves & Shoreline Structures:

All piers, wharves, marine railways, and other shoreline structures were shown and labeled.

34 Landmarks and Aids to Navigation: See Chart Letter 917(49). Copy enclosed.

~~Thirteen~~ <sup>Twelve</sup> landmarks <sup>+ One Aid to Navigation</sup> shown by the triangulation symbol and one landmark shown by a  $2\frac{1}{2}$ mm circle appears on this sheet, and are being submitted on form 567.

Deletions have been submitted on form 567 by the field party.

Two beacons as shown on Chart no. 400, appear to be in the wrong location in comparison with this map drawing. However, these beacons as shown on this map drawing could not be located accurately by photo. compilation due to dark shadows. These beacons are listed on form 567 but should not be considered accurate. Forms 524 and 567 destroyed. Position obtained not of sufficient accuracy.

35 Hydrographic Control:

~~Thirty-two~~ <sup>Thirty-five</sup> temporary and eight recoverable Hydrographic Stations have been located on this map drawing.

The strength of the positions of the temporary stations has been indicated by a purple circle if strong and a green circle if weak. A  $1\frac{1}{2}$ mm black acid ink circle has been shown within these purple and green circles to indicate the temporary hydrographic signals. A  $2\frac{1}{2}$ mm black acid ink circle indicates the recoverable stations. Descriptions of all hydrographic control have been noted on this map drawing.

The Recoverable stations are as follows:

~~Chimney center of three, 1942~~  
~~Stack, Black, 1942~~  
~~Beacon, N.W.~~  
~~Beacon, S.E.~~  
~~Stack, brick, N.N. Foundry, 1942~~  
~~Stack, brick, Warwick Hotel, 1942~~  
~~Cedar, lone, on bulkhead, 1942~~  
~~Chimney, brick, larger of two, 1942~~

35 Hydrographic Control: (cont'd)

Forms 524 are being submitted herewith.

37 Junctions: Checked during review. Junctions ok.

Sheet T-8056, N. side, was not completed.

Sheet T-8062, W. side, was not completed.

Sheet T-8054, S. side, was not completed.

39 Recommendation for Future Surveys:

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

The probable error 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:

Newport News, Quadrangle, U. S. G. S. Due to the difference in scale between this map drawing and the above mentioned quadrangle, small differences were not apparent. In general, the two are in good agreement.


45 Comparison with Nautical Charts:

The shoreline on Charts Nos. 400, 529, and 1222 should now be considered obsolete due to considerable new construction of wharves, bulkheads, etc.

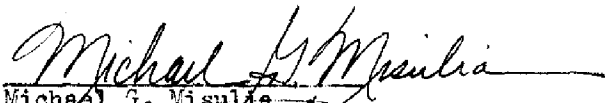
See "Additional  
Work" 7/9/44

Suggest reviewer  
use H-6812 location  
of pier mentioned on  
page 6 paragraph 29-2  
of this report.  
Pier as shown  
is approx. 80m  
in error.  
HZA  
3/9/44

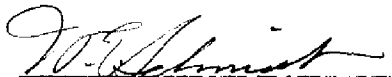
Respectfully submitted,

  
James E. Sunderland  
Sr. Photogrammetric Aid (field)

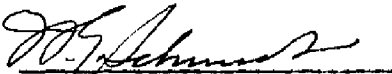
and

  
Michael G. Misulia  
Junior Engineer (field)

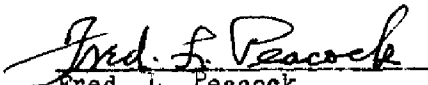
Reviewed by,

  
Walter E. Schmidt  
Ass't Photogrammetric Engr.

Compilation Supervised by,

  
Walter E. Schmidt  
Ass't Photogrammetric Engr.

Approved & Forwarded:

  
Fred. L. Peacock  
Officer-in-Charge  
Baltimore Field Office

- | <u>No.</u> |  |
|------------|--|
| 4          | Southwest end of concrete bulkhead and at inner end of rock groin.   |
| 5          | Highest of several brick chimneys of large white house on corner.  |
| 6          | Center of house on stakes in water.  |
| 7          | Northeast chimney of brick house between road and waterline, Northeast of two houses.                      |
| 8          | Taller of two silver maple trees on bank of stream. Two similar trees to East of these.                    |
| 10         | Southwest corner of small brick house on MHWL and at end of bulkhead.                                      |
| 11         | Chimney near center of small, brick and white frame house. Southwesterly of row of houses on bank.         |
| 14         | Center one of three chimneys on southeasterly house of settlement, light yellow with 4 dormers to seaward. |
| 15         | Chimney, center of large, lone house, 3 gables to seaward.   |
| 16         | Offshore gable of large, yellow house, slate roof. At northeast edge of a group of deciduous trees.        |
| 17         | Lone deciduous tree at water line.   |
| 18         | Brick chimney on filling station.  |
| 19         | Center of loading chute on old wharf.  |
| 19 A       | Small black metal stack  |
| 19 B       | Southeasterly floodlight tower   |
| 19 C       | Northwesterly floodlight tower   |
| 19 D       | Small cupola   |
| 19 E       | Black stack on C&O fireroom, lower and smaller than other stack.   |
| 19 F       | Black metal stack.   |
| 20         | Weather signal mast on bluff in park.  |
| 20 A       | Flagpole on Warwick Hotel  |
| 21         | Brick chimney near center of white apartment buildings, northwesterly of several apartment buildings       |
| 21 A       | Belfrey, center of library   |

- No.
- 22 Center of brick sewer. Outlet at foot of bluff
- 23 Top of pine among deciduous trees on bluff.
- 100 Point of dark grass on N. side of Ragged Island Creek.
- 191 Banner on Pole (Old Hydro Signal)
- 192 Blaze on small pine, sootherly of a group of trees at stretch of sand beach.
- 193 Dead tree close to MHWL (Old Hydro Signal)
- 194 Small tripod (Old Hydro Signal)
- 195 Tripod (Old Hydro Signal)
- 196 Cedar tree on beach, just W. of trees.

ADDITIONAL WORK

1944



ADDITIONAL WORK -- 1944

This Map Drawing for Survey No. T-8055 was compiled during November and December 1942. In accordance with instructions, only the shore line and immediate adjacent culture was detailed on this Map Drawing.

The War Mapping Map Manuscript for Survey No. T-8304, Project C.S. 289, which includes all of the area of Survey T-8055, was compiled in April and May of 1944, from nine lens 1:20,000 photographs taken in November 1942. In making a comparison between the Map Manuscript for Survey No. T-8304 and the Map Drawing for Survey No. T-8055, it was noted that the position of an ammunition loading pier at the Newport News Shipbuilding and Dry Dock Co., in the vicinity of Lat.  $36^{\circ} 57' 50''$ , Long.  $76^{\circ} 25' 17''$ , as shown on Survey No. T-8055, was in disagreement with the position as shown on the Map Manuscript for Survey No. T-8304.

This pier was originally detailed on Map Drawing, Survey No. T-8055, from data shown on a blueprint obtained by the Field Unit of the Compilation Office from the U. S. Engineer's Office, Norfolk, Va. It is evident from examination of the 1:20,000 photographs that the proposed plan of construction of this pier, as shown on the above mentioned blueprint, was not adhered to.

The pier was radially plotted on War Mapping Map Manuscript for Survey No. T-8304 from the 1:20,000 nine lens photographs in its correct position.

The Map Drawing was recalled from the Washington Office and the position of the pier, as it was originally shown, was deleted. The new position of this ammunition loading pier was then detailed on this Map Drawing from the ozalid of Map Manuscript for Survey No. T-8304, by use of the vertical projector.

*Resolves pencil notation on p. 8 of Compilation Report.*

The Map Drawing is now believed to be complete in all details of importance for charting, and no other surveys are considered necessary.

The Washington Office returned the overlay, which accompanies Map Drawing, Survey No. T-8055, at the time the Map Drawing was returned to the Compilation Office. This overlay had been originally prepared on very thin acetate and had become considerably mutilated. A new overlay has been copied on acetate of a thickness that will better stand any necessary handling.

Respectfully submitted:  
June 21, 1944

Ambrose J. Gibson  
Ambrose J. Gibson  
Photogrammetric Aid

Additional work Reviewed  
and Supervised by:

J. Edward Deal, Jr.  
J. Edward Deal, Jr.  
Asst. Photogrammetric Engineer

Approved and Forwarded:  
June 23, 1944

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

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

~~TO BE CHARTED~~  
~~FOR DELETION~~

STRIKE OUT ONE

Baltimore, Maryland

December, 1942

I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on ~~(the chart form)~~ the charts indicated.  
The positions given have been checked after listing by **Fred L. Peacock**

Fred L. Peacock  
Chief of Party

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION		DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE	LONGITUDE							
	✓	*Newport News Tank No. 4, 1932	R. 1942	36 57	76 25	N.A.A.	Tri.	1932				400, 529, 1222
	✓	*Newport News WOH Radio Tower, 1940,	R. 1942	36 57	76 24	N.A.A.	Tri.	1940				400, 529, 1222
	✓	Black Stack (formerly aluminum)	R. 1932, R. 1942	36 58	76 24	N.A.A.	Photo-Compile, 1942	December				400, 529, 1222
	✓	Newport News Middle Ground LH 1903,	R. 1942	36 56	76 23	N.A.A.	Tri.	1903				400, 529, 1222
	✓	Darling Watch Ho. Chy., 1919, R. 1942	R. 1942	36 58	76 23	N.A.A.	Tri.	1919				400, 529, 1222
	✓	Burton Hospital Cupola, 1919, R. 1931,	R. 1942	36 59	76 23	N.A.A.	Tri.	1919				400, 529, 1222
	✓	*Newport News Church Spire, 1913, 1906, R. 1919, R. 1942	R. 1942	36 58	76 25	N.A.A.	Tri.	1915				400, 529, 1222
	✓	Newport News, Court Ho., 89. tower	R. 1942	36 58	76 25	N.A.A.	Tri.	1906				400, 529, 1222
	✓	Black Tank No. 3, 1927, R. 1932, R. 1942	R. 1942	36 59	76 26	N.A.A.	Tri.	1927				400, 529, 1222
	✓	(Same as Newport News South Base)		36 59	76 26	N.A.A.	Tri.	1927				400, 529, 1222
	✓	Orange Tank 1941, R. 1942	R. 1942	36 59	76 26	N.A.A.	Tri.	1941				400, 529, 1222
	✓	*Newport News N.N. Shipbldg. Corp. Brick Stack (same as Shipyd Chy) 1919, R. 1932, 1942	R. 1942	36 59	76 26	N.A.A.	Tri.	1919				400, 529, 1222
	✓	Red Tank R. 1932 (same as Newport News N.N. Shipbldg. Corp. Red Tank)	R. 1942	36 59	76 26	N.A.A.	Tri.	1932				400, 529, 1222

Superseded by Chart Letter 917 (49)

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.  
Recommend original charted positions to be used

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

**TO BE CHARTED**

STRIKE OUT ONE

Baltimore, Maryland

December, 1948

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be charted on (~~charts~~) the charts indicated.  
The positions given have been checked after listing by

Fred L. Peacock

Chief of Party

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION			DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	CHARTS AFFECTED		
				LATITUDE	LONGITUDE	DATUM				HARBOR CHART	INSHORE CHART	OFFSHORE CHART
		*Newport News, Army Warehouse, r. 1942		36 58	76 25	1284.1	N.A.	Trl.	1941			400, 529, 1222
		Brick Chy. (Same as Cone Shaped Stack, 1941)				(200.0)	1927					
		*Newport News, Blackw. T. 1932, r. 1942		36 58	76 25	285.3	N.A.	Trl.	1932			400, 529, N.T.
		(same as Tank, C & O Elevator)				(1564.3)	1927					
		*Recommend original charted positions to be revised.										
		Superseded by Chart Letter 917 (49)										

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.

GEOGRAPHIC NAMES

Survey No. **T-8055**

Name on Survey	Source										
	A	B	C	D	E	F	G	H	K		
✓ <u>Newport News</u>											1
✓ <u>James River</u>											2
✓ <u>Hampton Roads</u>											3
✓ <u>Indian River</u>											4
<u>Swia Creek</u>											5
✓ <u>Hampton Flats</u>											6
✓ <u>Salters Creek</u>											7
✓ <u>Newport News Point</u>											8
✓ <u>Small Boat Harbor</u>											9
<u>Newport News Shipping &amp; Dry Dock Company</u>											10
✓ <u>Virginia*</u>											11
✓ <u>Camp Stuart</u>											12
											13
											14
											15
											16
											17
											18
											19
<u>Cooper Creek</u>											20
<u>James River Bridge (Toll)</u> U.S. No. 17											21
<u>Fishing Point</u>											22
<u>Candy Island</u>											23
<u>East Island</u>											24
<u>Ragged Island</u>											25
											26
											27

building

??

(for title)

\* - Decis. of BGN

Underlined names approved.  
10-19-48.  
a. j. w.

Additional names approved 1/28/49 L.H.

DIVISION OF PHOTOGRAMMETRY  
Review Report of  
Shoreline Map Manuscript T-8055

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

28 Detailing

Features in the Newport News Shipbuilding Corp. area were clarified and labelled on the map manuscript.

All information that had been shown on the overlay was transferred to the map manuscript.

34 Landmarks and Aids to Navigation

The original Forms 567, filed in this report, were filed in the Nautical Charts Section. Copies were prepared and made a part of this report. See Chart Letter 917(49) Copy enclosed.

37 Topographic and Photo-Hydro Stations

Names of topographic stations were changed to a short descriptive term on the map manuscript and the Form 524 cards.

A list of descriptions of Photo-Hydro stations was prepared and made a part of the descriptive report. These stations were numbered on the map manuscript.

38 State Grids

The state grid, Virginia South Zone, was plotted on the map manuscript at a 5,000 foot interval.

40 Geographic Names

Names were added to the map manuscript from the approved list of names submitted by the Geographic Names Section.

44 Comparison with Existing Surveys

U.S.G.S. Newport News Quadrangle 1:62,500 <sup>1918</sup> 1921 Reprinted 1947

T-1008	1:10,000	1865	T-2632	1:20,000	1903-06
T-1265	1:20,000	1871-72	T-3761	1:10,000	1918-19
T-8304	1:20,000	1944			

Common features on all previous surveys are superseded by the map manuscript in common areas.

T-8304 is a more recent survey. Corrections were not brought forward to T 8055 except as noted in the Compilation Report under "Additional Work in 1944".

45 Comparison with Nautical Charts

Chart No. 400 1:20,000 1944 Corrected 1948  
Chart No. 529 1:40,000 1944 Corrected 1947

New bulkheads and a pier have been constructed and are shown on Chart 400 at Lat. 36° 59.9', Long. 76° 26.5' and at Lat. 36° 57.9', Long. 76° 25.2'.

Two recently established fixed aids to navigation are shown on the charts at Newport News Point. These aids were not established at the time of the field inspection.

The platform on piles near the triangulation station "Darling Watchhouse Chimney, 1919", is not shown on the chart.

Dolphins and rows of piling that are shown on the map manuscript in the dock area southeast of Newport News are not shown on the charts.

51 Application to Nautical Charts

The map manuscript has been applied to the nautical charts.

Reviewed by:

Under the direction of:

Charles Theurer  
C. Theurer 10-27-48

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

Approved by:

B.G. Jones 7/49  
Technical Asst. to the Chief,  
Division of Photogrammetry

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

K. T. Adams  
K. T. Adams, Chief,  
Division of Photogrammetry

W.M. Scaife  
Chief, Div. of Coastal Surveys

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

T-8304

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED  
~~TO BE DELETED~~

STRIKE OUT ONE

Washington Office

Nov. 8, 19

I recommend that the following objects which have (~~been~~) been inspected from seaward to determine their value as landmarks be charted on (~~charts~~) the charts indicated.

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

Chart Letter 917 (49)

S. V. Griffith

Chief of Party.

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE		LONGITUDE							
				°	'	°	'						
T-8054	Virginia - James River	Halfpore Shoal Lt. (1937)		36 53	720.1	76 28	547.1	NA	1927				529
		Nansemond River Lt. (1935)		36 54	1610.9	76 26	995.2	"	"				400
		Nansemond Ordinance Depot Pier Lt. (1933)		36 55	28.4	76 25	1447.6	"	"				529
		Chuckatuck Creek Lt. 3 (1918)		36 56	84.3	76 29	345.6	"	"				400
		Chuckatuck Creek Lt. 6 (1941)		36 56	137.2	76 29	688.5	"	"				529
		Chuckatuck Creek Lt. 8 (1925)		36 55	864.0	76 29	995.5	"	"				529
		Note: Positions were not obtained for Nansemond Ordinance Range Front and Rear Lts.											
		These Lts. not mentioned by field inspector.											
T-8055	Chesapeake & Ohio Railway Pier Lts. (1915)	NW Light		36 57	1832	76 25	1262	"	"				400
		SE Light		36 57	1814	76 25	1247	"	"				529
	Newport News Middle Ground Lt. (1891)			36 56	1897.9	76 23	756.7	"	"				400
	Note: Chesapeake & Ohio Pier Lts. were built after this survey.												
	Newport News Point Pier Lt. (1943)		Chart Letter 190 (44)										400
													529



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

Washington Office

Nov. 8, 19 49

TO BE CHARTED } STRIKE OUT ONE  
~~TO BE DELETED~~

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

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

Chart Letter 917 (49)

S. V. Griffith

Chief of Party.

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE		LONGITUDE								
				°	'	°	'							
T-8054	Virginia - James River	Fish House (N. Gable)		36 54	831.7	76 24	892.0	NA 1927	Triang. GP 423	1940			400	
		Tank (Elev)		36 54	556.0	76 26	106.4	"	GP 41	1932			529	
		Tank (Elev)		36 54	547.1	76 26	106.7	"	Photo 8054	1943			400	
		SE Gable		36 55	90.1	76 29	84.2	"	Photo 8054	1944			529	
		Fish House (N. Gable)		36 56	241.1	76 25	814.9	"	Triang. GP 423	1940			400	
		Stack		36 58	703	76 24	699	"	Photo 8055	1942			529	
		Cupola		36 59	285.8	76 23	852.0	"	Triang. GP 419	1919			400	
		Radio Tower (See Chart Letter 736(48))		36 57	1454.4	76 24	1005.4	"	Triang. GP 423	1940			529	
		Tank		36 57	1664.3	76 25	170.5	"	Triang. GP 48	1932			400	
		Tank		36 58	285.3	76 25	904.2	"	Triang. GP 48	1932			529	
		Chimney		36 58	620.9	76 25	1284.1	"	Triang. 423	1941			400	
		Tower		36 58	1304.9	76 25	1122.1	"	Triang. GP 421A	1906			529	
		Spire		36 58	1501.9	76 25	548.1	"	Triang. 51	1919			400	

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

T-8504

**NONFLOATING AIDS OR LANDMARKS FOR CHARTS**

Nov. 8 19 48

**TO BE CHARTED** } STRIKE OUT ONE  
**TO BE DELETED** }

Washington Office

I recommend that the following objects which have (~~Massachusetts~~) been inspected from seaward to determine their value as landmarks be charted on (~~Massachusetts~~) the charts indicated.

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

S. V Griffith Chief of Party.

Chart Letter 917 (49)

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
				LATITUDE		LONGITUDE								DATUM
				°	'	°	'							
Virginia	James River			36	59	76	26	NA	1927				400	
	Red Tank			36	59	76	26	332.5	1927				529	
	Stack			36	59	76	26	573.2	"				400	
	Orange Tank			36	59	76	26	823.6	"				529	
	Tank			36	59	76	26	324.8	"				400	
	Watch House Chimney			36	58	76	23	425.5	"				529	