

8054

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

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-8054

LOCALITY

State Virginia

General locality Hampton Roads
Nansemond River Entrance and a
Locality portion of the South Shore of
Hampton Roads

1941-'44

CHIEF OF PARTY

D.E. Sturmer & H.O. Fortin

LIBRARY & ARCHIVES

DATE

8054

DATA RECORD

Form T-1

T-8054

Quadrangle (II): Newport News, Va. 15 min
(U.S.G.S.)

Project No. (II): CS 233

Field Office: Air Photographic Party
No. 2

Chief of Party: H. O. Fortin
Fred. L. Peacock
D. E. Sturmer

Compilation Office:
Baltimore Photogrammetric Office

Chief of Party: Fred. L. Peacock

Instructions dated (II III):

March 26, 1942 - July 15, 1942;
Sept. 30, 1942; Nov. 14, 1942; and Nov. 24, 1942

Div. of Photogrammetry,
Office Files
Copy filed in Descriptive
Report No. ~~T~~ (VI)

Completed survey received in office: 10-20-44

Reported to Nautical Chart Section: Oct. 44

Reviewed: 10-1-48 Applied to chart No. 529 Date: 8-8-46
400 11-13-47

Redrafting Completed:

Registered: 12-7-49

Published:

Compilation Scale: 1:10,260

Published Scale:

Scale Factor (III): 0.97466

Geographic Datum (III): N. A. 1927

Datum Plane (III): ~~Mean Sea Level~~ MHW

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

36° 53' 48.803" 76° 29' 03.219"
Lat.: 1504.4(345.2)m Long.: 79.8(1405.8)m

Adjusted
Unadjusted

State Plane Coordinates (VI): Virginia (South Zone)

X = 2,589,422.03 FT.

Y = 211,472.43 FT.

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
7709 to 7714 inc.	11/26/41	10:09 a.m.	1:10,000	0.2' above M.L.W.
7729	"	10:28 a.m.	"	0.2' above M.L.W.
7831	"	12:46 p.m.	"	1.3' above M.L.W.

Predicted Tables, Reference Sta.-Hampton Roads, Va. with Tide from (III); corrections for Pig Point, Nansemond River Entrance, Va.

Mean Range: 2.8'

Spring Range: 3.4'

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

Field Inspection by: Lieut. Comdr. Henry O. Fortin and Lieut. Dale E. Sturmer date: Spring 1943 and Winter 1944

Field Edit by: None date:

Date of Mean High-Water Line Location (III); Date of photographs supplemented by field inspection data obtained in 1943 and 1944. Seasons field inspection reports previously submitted

Projection and Grids ruled by (III) J.T. date: Aug. 9, 1944

" " " checked by: J.T. Washington Office date: Aug. 10, 1944

Control plotted by: Ruth E. Rudolph date: Aug. 17, 1944

Control checked by: Edward H. Snyder date: Aug. 19, 1944

Radial Plot by: J. Edward Deal, Jr., & Edward H. Snyder date: Aug. 24, 1944

Detailed by: Edward H. Snyder date: Aug. 24 to Oct. 13, 1944

Reviewed in compilation office by: Henry P. Eichert date: Oct. 14 to Oct. 19, 1944

Elevations on ^{Manuscript} Field Edit Sheet checked by: None date:

STATISTICS (III)

Land Area (Sq. Statute Miles); This Map Drawing includes shorelines and adjacent planimetric detail only

Shoreline (More than 200 meters to opposite shore); 15 statute miles

Shoreline (Less than 200 meters to opposite shore); 9.3 statute miles

Number of Recoverable Topographic Stations established; ¹⁰N (Includes one bench mark)

Number of Temporary Hydrographic Stations located by radial plot; 15

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:

Summary to Accompany T 8054

T 8054, scale 1:10000, 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 8304 (Project CS-289) completely covers T 8054. The former was compiled in 1944 from 1:20,000 scale photographs taken in 1942 in contrast with T 8054, compiled in 1944 ~~z~~ from 1:10,000 scale photographs taken in 1941.

Field Inspection

Field Inspection data for the area of T 8054 are contained in the "Reports on Field Inspection of Air Photographs, James River & Tributaries" by Henry O. Fortin, 1943 season and Dale E. Sturmer, 1944 Season. Filed in Div. of Ptgy, General Files.

26. CONTROL:

This Map Drawing includes that portion of the southern and western shoreline and adjacent planimetry of Hampton Roads and its tributaries falling between the Craney Island Ordnance Depot and the southern extremity of Ragged Island, and both shores of the Nansemond River from its mouth to Town Point.

The following horizontal control stations fall within the limits of the Map Drawing: See Review Report for additional stations

U. S. Coast and Geodetic Survey First Order Triangulation Stations -

- • NANSEMOND RIVER L. H. (U.S.E.), 1882, r. 1919, 1932, 1934
1940; 1943
- • MOND, 1932, r. 1943
- • NAB, (U.S.E.), 1932, r. 1934, 1943, (F.I.P. "Ban")

U. S. Coast and Geodetic Survey Second Order Triangulation Stations -

- • ADAM, 1934, r. 1942 (F.I.P. "Nip")
- • ASK, 1934, r. 1942 (F.I.P. "Tri.")
- • BARREL, 1941, r. 1942, (F.I.P. "Wal")
- • BRADFORD, 1934, r. 1943. (F.I.P. "Brad")
- • CHUCK, 1934, r. 1942
- • DIXON, 1934, r. 1942
- • MAYO, 1934, r. 1943, (F.I.P. "May")
- • OLDS, 1934, r. 1943. (F.I.P. "Dol")
- • RAG, 1934, r. 1942
- • UPTON, 1934, r. 1942

U. S. Coast and Geodetic Survey Intersection Triangulation Stations -

- • CHUCKATUCK CREEK, BN^N, 1934, r. 1942
- • FISH HOUSE OFF NANSEMOND RIVER, N. GABLE, 1940, r. 1941
- • BRADFORD HOUSE CUPOLA, 1934, r. 1943
- • FISH HOUSE OFF HOPFLER CREEK, N. GABLE, 1940, r. 1941
- • NANSEMOND ORDNANCE DEPOT PIER LIGHT, 1940, r. 1941
- • NANSEMOND RIVER BRIDGE, E. TOWER, 1934, r. 1943

U. S. Geological Survey Temporary Traverse Stations -

Removed from map manuscript - See Review Report

Center of culvert, about 200 feet northwest of house on farm
Edge of road, 7 feet N.72° 30' W. of, the more western of two
pines in field
North end of footbridge

The following horizontal control stations fall just outside the limits of the Map Drawing:

U. S. Coast and Geodetic Survey First Order Triangulation Station

JAC (U.S.E.), 1932, r. 1934, 1942

U. S. Coast and Geodetic Survey Second Order Triangulation Station -

VEST, 1934, r. 1942

26. CONTROL: (Continued)

All the above mentioned horizontal control stations were used for the establishment of photograph centers, secondary control points, and detail points.

27. RADIAL PLOT

The radial plot for this Map Drawing is part of the combined Radial Plot for Surveys Nos. T-8053, T-8054, T-8063, T-8064, T-8065, T-8066, the descriptive report for which was submitted to the Washington Office on September 15, 1944. *Filed in Photogrammetric Section, General Files*

28. DETAILING

The shoreline and immediate adjacent planimetric detail of the parts of Hampton Roads and the Nansemond River and their tributaries shown on this Map Drawing have been detailed in accordance with the Director's letters dated March 26, 1942, July 15, 1942, and September 30, 1942, pertaining to Project No. CS-283. *Filed in Div. of Photogrammetry, Office Files*

The position of detail points, temporary hydrographic stations, and recoverable topographic stations were determined by the usual radial line method.

The Mean High-Water Line and Marsh Line as determined by field inspection, was verified by careful stereoscopic examination, transferred to the office photographs, and then detailed on the Map Drawing.

Some minor drainage was indicated on the field inspection photographs. The Compiler, with the aid of the stereoscope, has delineated and detailed all minor drainage. Where the drainage could not be accurately determined by stereoscopic examination of the photographs, it has been shown on the Map Drawing with a lightweight, dashed, acid ink line.

The area, detailed with red acid ink, at the eastern end of the Map Drawing was transferred from War Mapping Map Manuscript No. T-8304, Project CS-289, Scale 1:20,000 after enlarging, by use of the vertical projector. *Will not be shown on registered copy. Deleted. See Review Report*

Roads not classified by field inspection, were classified and shown according to the Compiler's interpretation from the office photographs after comparison with available topographic quadrangles. Tree areas not classified in the field were interpreted by the Compiler and detailed with the conventional symbols. All buildings adjacent to the shoreline have been detailed.

The number of nine lens photographs covering the area of this survey was sufficient for detailing except for a small area at the extreme eastern portion of the Map Drawing. Their scale was in good agreement with the scale

of the Map Drawing Projection

29. SUPPLEMENTAL DATA:

A copy of the Newport News, 15 min. quadrangle of the U. S. Geological Survey was furnished the Compilation Office and was used to supplement the photographs.

An ozalid print of Survey No. T-8304, Project CS 289, Scale 1:20,000 was also furnished the Compilation Office

30. MEAN HIGH-WATER LINE:

The conventional full, heavy and lightweight black, acid ink lines have been used to differentiate between the Mean High-Water Line and the outer limits of marsh bordering the Mean High-Water Line respectively. The lightweight line is an indication of low wet land at Mean High-Water, and is not considered to be the Mean High-Water Line. It is referred to in this descriptive report as the Marsh Line.

31. LOW-WATER AND SHOAL LINES:

No Low-Water Lines were identified on the field inspection photographs and none were visible on the photographs. Shoal lines were identified in the field in some areas and have been detailed on the Map Drawing with a short dashed, lightweight, black acid ink line, and the areas they bound appropriately noted. *See Review Report*

Several alongshore areas of sand and alongshore areas of grass in water extending outward from the Mean High Water Line or the Marsh Line are shown with the proper symbols. The offshore limits of these areas is not necessarily the approximate Low-Water Line but is delineated and detailed as a foreshore area visible on the photographs.

32. DETAILS OFFSHORE FROM THE HIGH-WATER LINE

Piling and stake areas, fish traps, and all other obstruction areas, were identified on the field inspection photographs and have been detailed accordingly. Pertinent notes are shown near each of these offshore details.

33. WHARVES AND SHORELINE STRUCTURES

Numerous piers, wharves, catwalks, retaining walls, piling, and stakes were indicated on the field inspection photographs. These were detailed on the Map Drawing accompanied by appropriate notes.

34. LANDMARKS AND AIDS TO NAVIGATION *See 567 Form in this Report.*

Five landmarks that fall within the limits of the Map Drawing, are shown on U. S.C.&G.S. Chart No. 529, issued September 1940 and reprinted December 20, 1943, and are indicated on the Map Drawing as the following:

34. LANDMARKS AND AIDS TO NAVIGATION (Continued)

Fish House off Nansemond River, N. Gable, 1940, r. 1941 (also triangulation station)

Fish House off Hoffler Creek, N. Gable, 1940, r. 1941 (also triangulation station)

Easterly Tank - Mond, 1932, r. 1943 (also triangulation stations)
Tanks Elevated (Westerly Tank is Recoverable Topographic Station "ORD")

S. E. Gable

One triangulation station, Halfpone Shoal Beacon, 1934, was destroyed and is now shown as a fixed aid to navigation, Halfpone Shoal, Fl. W., ev. 5 sec. Its new position agrees with the position shown on Chart No. 529.

Other fixed aids to navigation falling within the limits of the Map Drawing are:

Chuckatuck Creek Light 3

~~Tag~~, 1934, r. 1942 (also triangulation station)

Chuckatuck Creek Beacon, 1934, r. 1942 (also triangulation station)
Light 8

T8055 → Nansemond River L. H., 1882, r. 1919, 1932, 1934, 1940, 1943 (also triangulation station)

Nansemond Ordnance Depot Pier Light, 1940, r. 1941 (also triangulation station)

No. 199 Chuckatuck Creek "6", Fl. R., ev. 5 sec.

Nansemond River Lt (Triangulation)

Form 567 is being submitted for the radially plotted positions of the above landmarks and aids to navigation which are not triangulation stations.

Filed in Naut. Chts. under Ch. Letter 769-44

See Chart Letter 917 (49). Copy enclosed.

35. HYDROGRAPHIC CONTROL

The Compilation Office was furnished the identification of 15 temporary hydrographic stations and 11 recoverable topographic stations. These were identified on the field photographs by number, and their descriptions listed in field sketch books (Form 274) by corresponding numbers. These stations were transferred to the office photographs and then radially plotted on the Map Drawing. The numbers and descriptions of these stations have been noted on the Map Drawing near the station to which they refer.

Form 524 is being submitted for the 11 recoverable topographic stations. They are:

• S.E. Gable, 1944

• ~~Top center of N. section of a white Fish House, 1944~~

• ~~Chuckatuck Creek "6" - Fl. W. ev. 5 sec., 1944~~

• ~~Halfpone Shoal - Fl. W. ev. 5 sec., 1944~~

Gable Tank • ~~BAR N. Gable of large red barn with red roof, 1943~~

Gable Tank • ~~(ORD) Western of twin tanks, painted dark green, cone top, cylinder bottom, 1943~~

~~PIL NW corner of wood pier on Pig Point Deleted, See Review Report~~

Gable • ~~(RED) N. gable of house, 1943~~

35. HYDROGRAPHIC CONTROL:

- (ZA-1) 100' Steel Tower, ~~observation house on top~~, 1943
- (ZA-4) 100' Steel Tower, ~~observation house on top~~, 1943
- Tidal B.M. 1, 1944

36. LANDING FIELDS AND AERONAUTICAL AIDS:

The Compilation Office was not furnished any information concerning landing fields or aeronautical aids within the limits of this Map Drawing and none was visible on the office photographs.

37. JUNCTIONS

To the north- the portion of shoreline detail falling in the area of Survey No. T-8055 with which Survey No. T-8054 would junction, was previously detailed in the right hand margin of Map Drawing for Survey No. T-8062. A satisfactory junction has been made with this detail.

There is no contemporary survey to the east

To the south, a satisfactory junction has been made with the Map Drawing for Survey No. T-8053.

To the west, a satisfactory junction has been made with the Map Drawing for Survey No. T-8063.

38. GEOGRAPHIC NAMES: Approved list filed in Geographic Names Section

As instructed, no geographic name investigation was made by the Field Inspection Unit. The geographic names shown on this Map Drawing were taken from the following available sources:

- U. S. Coast and Geodetic Survey Chart No. 529 dated Dec. 20, 1943.
- U.S. Geological Survey, Newport News, Va., 15 min. quadrangle
- An ozalid print of War Mapping Map Manuscript Survey No. T-8504

A list of these names, which are believed by the Compilation Office to be undisputed, accompanies this descriptive report.

39. HORIZONTAL ACCURACY

The probable error in the positions of detail points, the Mean High-Water Line, and well-defined objects is believed to be within the limits of satisfactory accuracy. ?

40. RECOMMENDATIONS FOR FUTURE SURVEYS

This rough draft, Map Drawing for the area of Survey No. T-8054, is believed to be complete in all details for charting and no other surveys are deemed necessary.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

Due to difference in scale, a visual comparison only could conveniently be made with the U. S. Geological Survey, Newport News, Va. 15 min. quadrangle, scale 1:62,500, surveyed 1921 and reprinted 1941. All common planimetric detail was in fair agreement.

Comparison was also made with an ozalid print of War Mapping Manuscript for Survey No. T-8304, scale of 1:20,000 which was enlarged in the vertical projector to 1:10,000 scale. The ozalid print was in good agreement with the Map Drawing except that the Mean High-Water Line and Marsh Line was shown in greater detail on the Map Drawing.

45. COMPARISON WITH NAUTICAL CHARTS

Due to differences of scale, a detailed comparison could not conveniently be made with the U. S. Coast and Geodetic Survey Chart No. 529, scale 1:40,000, dated September 1940, and revised Dec. 20, 1943. However, upon visual examination, common planimetric details of the Chart and the Map Drawing appear to be in good agreement.

Respectfully submitted
October 20, 1944

Edward H. Snyder
Edward H. Snyder
Sr. Photogrammetric Aid

Compilation and Descriptive
Report reviewed by

Henry P. Eichert
Henry P. Eichert
Jr. Photogrammetric Engr.

Compilation of Map Drawing
supervised by:

J. Edward Deal, Jr.
J. Edward Deal, Jr.
Ass't. Photogrammetric Engr.

Approved and Forwarded
October 21, 1944

Fred. L. Peacock
Fred. L. Peacock
Chief of Party, C.&G. Survey
Officer in Charge
Baltimore Photogrammetric Office

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-8364

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~FOR CHARTING PURPOSES~~

STRIKE OUT ONE

Washington Office

Nov. 6 19 49

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

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

Chart Letter 917 (49)

S. V. Griffith

Chief of Party

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							
			D. M. METERS	D. P. METERS	D. M. METERS	D. P. METERS						
STATE	Virginia - James River											
T-8034	Halfpene Shoal Lt. (1937)		36 53	720.1	76 28	847.1	NA	1927			529	
	Nansemond River Lt. (1935)		36 54	1610.9	76 26	995.2	"	"			400	
	Nansemond Ordnance Depot Pier Lt. (1935)		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	688.3	"	"			529	
	Chuckatuck Creek Lt. 8 (1925)		36 56	864.0	76 29	995.5	"	"			529	
	Note: Positions were not obtained for Nansemond Ordnance Range Front and Rear Lts.											
	These Lts. not mentioned by field inspector.											
T-8055	Chesapeake & Ohio Railway Pier Lts. (1915)		36 57	1832	76 25	1262	"	"			400	
	NW Light		36 57	1814	76 25	1247	"	"			529	
	SE Light		36 57	1814	76 25	1247	"	"			400	
	Newport News Middle Ground Lt. (1891)		36 56	1297.9	76 23	755.7	"	"			529	
	Note: Chesapeake & Ohio Pier Lts. were built after this survey.											
	Newport News Point Pibb Lt. (1945)		Chart Letter 190 (44)									400
												529

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~NON-FLOATING 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 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

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED				
				LATITUDE		LONGITUDE				D. M. METERS	D. P. METERS	HARBOR CHART	INSHORE CHART	OFFSHORE CHART
				°	'	°	'							
Virginia - James River														
T-8054	Fish House (N. Gable)			36 54	831.7	76 24	892.0	NA 1927	1940			400		
	Tank (Elev)			36 54	536.0	76 26	106.4	"	1932			400		
	Tank (Elev)			36 54	547.1	76 26	160.7 106.7	"	1943			400		
	SE Gable			36 55	90.1	76 29	34.2	"	1944			529		
	Fish House (N. Gable)			36 56	241.1	76 25	814.9	"	1940			400		
												529		
T-8055	Stack			36 58	703	76 24	699	"	1942			400		
	Cupola			36 59	283.8	76 23	852.0	"	1919			400		
	Radio Tower (See Chart Letter 736(48))			36 57	1454.4	76 24	1005.4	"	1940			529		
	Tank			36 57	1664.3	76 25	170.5	"	1932			400		
	Tank			36 58	285.3	76 25	904.2	"	1932			400		
	Chimney			36 58	620.9	76 25	1284.1	"	1941			400		
	Tower			36 58	1304.9	76 25	1122.1	"	1906			529		
	Spire			36 58	1601.9	76 25	348.1	"	1919 ⁷			400		

Descriptions of Photo-Hydro Stations

T-8054

- 99 - South tip of rounded point.
- 159 - Outer end, small wharf.
- 160 - Pole on wharf.
- 161 - Outer gable, Eclipse Post Office.
- 162 - "Essomarine" sign on gable of building on wharf.
- 163 - Outer gable, boat house.
- 164 - Westerly and larger of two cedars.
- 165 - Outer of three small pines on marshy point.
- 166 - Banner on cedar stump.
- 167 - White chimney near center of screened house on bluff.
- 168 - Banner, old hydro signal.
- 169 - Walnut tree on bluff.
- 170 - Old hydro. signal cloth on trunk of dead tree.
- 171 - Old hydro. signal tripod near Triangulation Station "Ask."
- 198 - Small, lone pine in brush in marsh.

GEOGRAPHIC NAMES

(Undisputed)

- Barrel Point
- Batten Bay
- Bennett Creek*
- Blink Horn Creek
- Cedar Point
- Chuckatuck Creek*
- Crittenden
- Eclipse
- ~~Halfpore Shoal~~
- Hampton Roads
- Hoffler Creek*
- Nansemond River

- Lee Landing (Pier gone)
- North Creek
- Pig Point
- ~~Rig Point~~ ^{Nansemond} Ordnance Depot
- Pike Point
- Streeter Creek*
- Town Point
- West Creek
- Wills John Shoal
- Virginia* (for title)
- JAMES RIVER

VA
9-28-49

* = Decis. of BGN

• = Approved name
10-1-48.

A. J. W.

Division of Photogrammetry
Review Report of
Shoreline Map Manuscript T-8054

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

26 Control

The following triangulation stations were plotted on the map manuscript.

- PIG, 1909
- CRANEY ISLAND, West Base, 1869
- CRANEY ISLAND, West Base 2, 1903
- CRANE, 1940

The USGS Transit Traverse Stations were removed from the map manuscript. They are unmarked stations.

28 Detailing

The area at the eastern end of the map manuscript that had been transferred from T-8304 was deleted. That area has been left blank because of insufficient photo coverage.

In the instances where triangulation stations were also aids to navigation, the light list name was added to the map manuscript and the triangulation station name was enclosed in parentheses.

31 Low Water and Shoal Lines

A dashed line enclosing shallow areas evident on the photographs was added to the map manuscript.

The sand symbol that had been shown in the shallow areas to indicate the nature of the bottom, was deleted. The field Inspector did not indicate a MLWL.

37 Topographic and Photo-Hydro Stations

The Topographic Station, PIL, 1943 was removed from the map manuscript. Its position could not be radially plotted. The position that was shown in the Form 524 card had been scaled from T-8304, scale 1:20,000.

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.

40 Geographic Names

Names of hydrographic features that do not appear on the map manuscript were deleted.

44 Comparison with Existing Surveys

U.S.G.S., Newport News Quadrangle, 1:62,500 1921 Reprinted 1947
T-501 1:20,000 1853-1892
T-1353 1:10,000 1874-1909
T-6870 1:10,000 1941
T-8304 1:20,000 1944

T 8304 is a more recent survey. Corrections were not brought forward to T8054

See Compilation Report for comparison with T-8304. Common features on all previous surveys are superseded by T-8054 in common areas. *for nautical charting purposes.*

45 Comparison with Nautical Charts

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

Piling that is shown on the map manuscript is not charted and charts show piling where none is indicated on map manuscript.

51 Application to Nautical Charts

The map manuscript has been applied to the nautical charts.

Reviewed by:

Under the direction of:

Charles Theurer
Charles Theurer 10/1/48

A. V. Griffith
Chief, Review Section F.N.M.
Div. of Photogrammetry

Approved by:

B. J. Jones 12/49
Technical Asst. To Chief,
Division of Photogrammetry

A. B. Edmonson
Chief, Nautical Chart Branch,
Division of Charts

O. S. Reading
Chief, Div. of Photogrammetry

Wm. Scaife
Chief, Division of Coastal
Surveys