

8778

8778

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	Photogrammetric Shoreline
Field No.	Office No. T-8778
LOCALITY	
State	Delaware
General locality	Delaware River
Locality	Liston Point to Reedy Island
194 48	
CHIEF OF PARTY	
Thos. B. Reed	
LIBRARY & ARCHIVES	
DATE	July 25, 1951

DATA RECORD

T- 8778

Quadrangle (II):

Project No. (II): Ph-7(46) - C

Field Office:
New Castle, Del.Chief of Party:
E. L. JonesCompilation Office:
Baltimore Photogrammetric OfficeChief of Party:
Thos. B. ReedInstructions dated (II III):
25 March 1946, 19 July 1946

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

Completed survey received in office: 28-49

Reported to Nautical Chart Section: 2-15-49

Reviewed: 8 Sept 1949 Applied to chart No.

Date:

Redrafting Completed: March 13, 1951

Registered: 19 July 1951

Published: _____

Compilation Scale: 1:10,000

Published Scale: 1:10,000

Scale Factor (III): 1.000

Geographic Datum (III): N.A. 1927

Datum Plane (III): *M.H.W.*
~~M.S.L.~~

Reference Station (III): Fennimores, 1933

Lat.: 39° 27' 56.333" (1737.3m) Long.: 75° 36' 48.009" (1147.7m) Adjusted
~~Unadjusted~~State Plane Coordinates (VI): *Delaware and New Jersey*

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
46-D-1956	3-12-46	11:25	1:10,000	1.5 above MLW
46-D-1957	"	"	"	"
46-D-1958	"	"	"	"
46-D-1959	"	"	"	"
46-D-1960	"	"	"	"
46-D-1961	"	12.10	"	1.1 above MLW
46-D-1962	"	"	"	"
46-D-1963	"	"	"	"
46-D-1481	3-1-46	12.35	"	1.9 above MLW

Tide from (III): Actual tide observations at Philadelphia corrected to
"Reedy Island to Liston Point".

Mean Range: 5.7' Spring Range: 6.4'

Camera: (Kind or source) U.S.Coast and Geodetic Survey single lens camera.
Wide angle, type "D"—Focal length 12".

Field Inspection by:

E. L. Jones

date:

June-August 1946

Field Edit by: *Refer to field edit for
topo quadrangles T-8753 + T-8755*

date: *April and Oct.
1948*

Date of Mean High-Water Line Location (III): Same as date of photographs
supplemented with field inspection obtained during June-August 1946.

Projection and Grids ruled by (III) T.L.Janson

date: 8 Aug. 1946

" " " checked by: T.L.Janson

date: 8 Aug. 1946

Control plotted by: Leroy A. Senasack

date: 7 Oct. 1946

Control checked by: George O. Fellers

date: 7 Oct. 1946

Radial Plot by: Frank J. Tarcza
Harry R. Rudolph

Dec. 1946
date: 29 May 1947

Detailed by: Richard W. Gawlik

25 May 1947
date: to 3 July 1947

Reviewed in compilation office by: J.W. Vonasek

date: 7 July to
14 July 1947

Manuscript
Elevations on ~~1946-1947~~
checked by: J.W. Vonasek

date: 11 July 1947

STATISTICS (III)

Land Area (Sq. Statute Miles): 10

Shoreline (More than 200 meters to opposite shore): 11.5 miles (statute)

Shoreline (Less than 200 meters to opposite shore): 30 miles (statute)
(Measured along the center line of stream)

Number of Recoverable Topographic Stations established: 7

Photo Hydro Points

Number of ~~Temporary Hydrographic Stations~~ located by radial
plot: 1

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:

FIELD REPORT

SHORELINE MANUSCRIPT, SURVEY NO. T-8778

The area of this shoreline survey is in the area covered by Topographic Surveys Nos. T-8753 and T-8755. For data covering Survey No. T-8778, refer to the field reports of the above mentioned topographic surveys, *filed in their respective descriptive reports.*

MAP T- 8778

PROJECT NO. Ph-7(46)-C

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ν -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
PORT PENN PRESBY-	G-1751	N. A.	39° 31' 00.250"				7.7	(1842.7)	
TERIAN CHURCH SPIRE	Pg. 129	1927	75° 34' 41.951"				1002.1	(431.2)	
REEDY ISLAND QUAR-									
ANTINE STATION WHITE	G-1751	"	39° 30' 54.680"				1686.3	(164.1)	
WATER TANK, 1933	Pg. 129	"	75° 33' 45.544"				1088.0	(345.3)	
REEDY ISLAND, BAKER	G-1751	"	39° 30' 33.124"				1021.5	(828.9)	
FRONT RANGE LT.,	Pg. 129	"	75° 34' 00.103"				2.5	(1430.9)	
REEDY ISLAND LT.,	G-1751	"	39° 30' 02.760"				85.1	(1765.3)	
1933	Pg. 129	"	75° 34' 09.568"				228.6	(1205.0)	
REEDY (U.S.E.)	G-1664	"	39° 30' 01.952"				60.2	(1790.2)	
1911	Pg. 74	"	75° 34' 09.733"				232.6	(1201.0)	
LISTON FRONT, 1933	G-1664	"	39° 28' 55.978"				1726.4	(124.0)	
	Pg. 66	"	75° 35' 31.237"				746.5	(687.4)	
SUB. STA. LISTON		"	39° 28'				1738.0	(112.4)	
FRONT		"	75° 35'				725.3	(708.6)	Removed from manuscript
REEDY ISLAND JETTY	G-1913	"	39° 28' 58.100"				1791.8	(58.6)	
MIDDLE LT., 1934	Pg. 137	"	75° 34' 27.716"				662.4	(771.5)	
FENNIMORES, 1933	G-1664	"	39° 27' 56.333"				1737.3	(113.1)	
	Pg. 75	"	75° 36' 48.009"				1147.7	(286.6)	
FENNIMORES, 1933		"	39° 27'				1743.6	(106.8)	
R.M. No. 1		"	75° 36'				1177.1	(257.2)	Removed from manuscript
REEDY ISLAND DYKE,	G-1751	"	39° 28' 03.889"				119.9	(1730.5)	
FLASHING GREEN LT.	Pg. 129	"	75° 34' 29.802"				712.4	(721.9)	
REEDY ISLAND FRONT	G-1913	"	39° 26' 44.154"				1361.7	(488.7)	
RANGE LT., 1934	Pg. 137	"	75° 34' 36.580"				874.7	(560.0)	

1 FT. = 3048006 METERS
COMPUTED BY: L.A. Senasack

DATE 10/1/46

CHECKED BY: G.O. Fellers

DATE 10/1/46

M-2388-12

COMPILATION REPORT

SHORELINE MANUSCRIPT, SURVEY NO. T-8778

T-8778 is one of 12 shoreline manuscripts in Project No. Ph-7(46)C located along the Delaware River and Bay. These surveys are to be compiled in accordance with instructions dated 25 March 1946 and 19 July 1946 by graphic photogrammetric methods.

Filed in Div. of Photogrammetry Office Files

26. CONTROL

See layout of control submitted to the Washington Office, June 24, 1947. A list of stations on Form No. M2388-12 is included in this report.

Filed in Div. of Photogrammetry General Files

27. RADIAL PLOT

The area of Survey No. T-8778 is included in two combined radial plots made with celluloid templets. The southern portion of Survey No. T-8778 is included in the radial plot for the area of Surveys Nos. T-8780, T-8782 and the southern part of T-8778. The northern portion of Survey No. T-8778 is included in the radial plot for the area of Surveys Nos. T-8777, T-8779 and the northern portion of T-8778. The reports for these radial plots were submitted to the Washington Office 7 March 1947 and 24 June 1947, respectively.

Filed in Div. of Photogrammetry General Files ~~File~~ *Attached to Desc' Report*

28. DELINEATION

T-8777

The compilation is in accordance with the written instructions pertaining to Project No. Ph-7(46), dated 19 July 1946.

Because of inadequate photographic coverage, it was impossible to delineate the area at the mouth of "Silver Run" completely. For complete delineation of this area and of interior detail, see Surveys Nos. T-8755 and T-8753.

30. MEAN HIGH WATER LINE

The shoreline was delineated from single lens photographs (1:10,000 scale field ratio prints) in accordance with the field identification shown thereon. Where no inspection was furnished, a stereoscopic study of the photographs was employed.

31. MEAN LOW WATER LINE

Only that portion of the mean low water identified by the field party was delineated on the map manuscript.

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE

No comment.

33. WHARVES AND SHORELINE STRUCTURES

Delineated in accordance with field identification.

34. LANDMARKS AND AIDS TO NAVIGATION

See Form 567 submitted with reports for Surveys Nos. T-8753, and T-8755. *See Review Report.*

35. HYDROGRAPHIC CONTROL:

One photo-hydro point has been shown on the shoreline manuscript, described as follows: "No. 5508, North Chimney of white house."

36. LANDING FIELDS AND AERONAUTICAL AIDS

None.

38. GEOGRAPHIC NAMES *814*

Geographic names were taken from final names standards, dated 12-9-46 and 12-18-46, furnished by the Washington Office. A list of geographic names is attached to this report.

39. JUNCTIONS

The junction to the southeast with Survey No. T-8780 has been made and is in good agreement.

The junction to the North with Survey No. T-8775 *ok* will be made when that survey has been compiled. The junctions to the east with Surveys Nos. T-8777 and T-8779 are all water areas.

There are no contemporary surveys to the south, and to the west is the project limits.

40. BOUNDARIES

None shown.

41. BRIDGES

The bridges appearing on this manuscript are over non-navigable waterways and have been classified by the field party.

44. COMPARISON WITH EXISTING TOPOGRAPHIC SURVEYS

Survey No. T-8778 has been compared in detail with the U.S. Geological Survey Smyrna and Wilmington quadrangles, scale 1:62,500 and was found to be in good agreement.

45. COMPARISON WITH NAUTICAL CHARTS

T-8778 has been compared with Nautical Chart No. 294, scale 1:40,000 and found to be in fair agreement.

The following topographic information shown on T-8778 is of sufficient importance to warrant immediate application to the chart:

None.

The following topographic details above the plane of mean high water are not shown on this manuscript, but are believed to still exist and should be carried forward on the chart:

None

Low water features are shown in part and will be completed by the hydrographic party.

Respectively submitted
18 July 1947

Richard W. Sawick
Air Photo Observer
Compilation and Descriptive
Report

Joseph W. Wosack
Photogrammetric Engineer
Photogrammetric Office
Reviewer

Harry R. Randolph
Supervisor

Approved and forwarded
23 July 1947

Thos B. Bond
Officer in Charge
Baltimore Photogrammetric Office

NOTES FOR
HYDROGRAPHIC PARTIES
DELAWARE RIVER
SHORELINE MANUSCRIPT, SURVEY NO. T-8778
PROJECT NO. PH-7(46)C

The 2½ millimeter circle, accompanied with a name and date, indicates the position of a recoverable photo (topographic) station and the 2½ millimeter circle, accompanied by "No. 5508" is the position of the photo-hydro point, appearing on this manuscript.

T-8778 has been compared to Nautical Chart No. 294, scale 1:40,000 and was found to be in fair agreement.

The following topographic information shown on T-8778 is of sufficient importance to warrant immediate application to the chart:

None.

The following topographic details above the plane of mean high water are not shown on this manuscript, but are believed to still exist and should be carried forward on the chart:

None.

Low water features are shown in part and should be completed by the hydrographic party.

Respectfully submitted
18 July 1947

Richard W. Hawley
Air Photographic Observer

Approved and forwarded
23 July 1947

Thos. B. Baird
Officer in Charge
Baltimore Photogrammetric Office

GEOGRAPHIC NAMES

- Angle Rod Creek -
- Appoquinimink River -
- Augustine Beach -
- Augustine Creek -
- Bayview Beach -
- The Big Ditch - *2 words*
- Blackbird Creek - *per Fed. T 8755*
- Canadas Beach -
- Coffee Ground Ditch -
- Delaware River -
- Fennimore Landing
- Gravel Ditch *Gut*
- Lower Break -
- Mill Creek -
- Peach House Ditch -
- Port Penn -
- Rays Ditch -
- Reedy Island -
- * Reedy Island Dike -
- Robs Island -
- Silver Run - *(not Silver Creek)*
- Skunk Hill Ditch -
- The Island -
- Upper Break -

* Not shown on final name standard sheet. Taken from nautical chart No. 294.

.. Delaware

Names preceded by • are
approved. 2/24/49
L. Heck

Review Report T-8778
Shoreline Map
8 Sept. 1949

34. Landmarks and Aids to Navigation:

Two landmarks (Δ) (Form 567 filed under T-8753)

1. Reedy Island white water tank (60')
2. Port Penn Presbyterian Church Spire (70')

Eleven Aids

	Form	Form	Filed
1. Old Reedy Island (Δ)	567		T-8753
2. Baker Range Front (Δ)	567		T-8753
3. Liston Range Front	567	524	T-8755
4. Appoquinimink Range Front	567	524	T-8755
5. Appoquinimink Range Rear	567	524	T-8755
6. Reedy Island Jetty (Δ)	567		T-8755
7. Reedy Island Jetty, Middle (Δ)	567		T-8755
8. Reedy Island Range Front (Δ)	567		T-8755
9. Reedy Island Gap South Side Bn.			
10. White Wooden Day Beacon			
11. Reedy Island Dike Lower Bell, Buoy 2			

The submerged part of the dike (between Reedy Island Jetty Light and Bell Buoy 2) was traced from its seeming position evidenced on photograph D-1481(1946)

Bell Buoy 2 ("Marks lower end of dike"—Light List) was cut in during review from visible positions on photographs D-1958 and D-1959(1946) after the submerged part of the dike had been tentatively drawn. The cuts placed the Buoy in a position suggesting that the dike exists as drawn.

38. Recoverable Topographic Stations:-Besides the stations (Aids) 3,4, and 5 above, Forms 524 were filed(under T-8755) for:

NEAR	1946
YAKE	1946
BEDS	1946

43. Comparison with Previous Topographic Surveys:

T-140	1:10,000	1841	(No contours)
T-1547-a	1:20,000	1882	(with contours)
*T-2214	1:2400	1896	(with depth curves in pencil)

* This is, primarily, a plan of the Reedy Island U.S. Quarantine station layout and boundary; and of the USC&GS tidal indicator at the Philadelphia Maritime Exchange Reporting Station. HWL, LWL, old piers and depth curves are drawn in pencil only.

Page 2.
T-8773

44. Comparison with Existing Topographic Quadrangles:

USGS Wilmington, Del. 1:62,500 ed 1906 rep. 1944
USGS Smyrna, Del-N.J. 1:62,500 ed 1931 rep. 1946

45. Comparison with Nautical Charts:

294 1:40,000 rev. 7/19/48

The piling barrier between the mainland and the Reedy Island dike has been removed from the channel and is not shown on T-8753 (Field Edit Report, T-8753).

Reviewed by:

Lena T. Stevens
Lena T. Stevens

Approved by:

F. V. Griffith
Chief, Review Section
Division of Photogrammetry

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

for G. R. Fish
Chief, Div. of Photogrammetry

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