8752

Penns Grove

Diag. Cht. No. 294

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Photogrammetric - Topographic

Field No. ..... *Office No.* T-8752

LOCALITY

State New Jersey and Delaware

General locality Delaware River

Locality Penns Grove, New Jersey

194 6-'48

CHIEF OF PARTY

E.L.Jones, Chief of Party
T.B.Reed, Balto. Photo. Office

LIBRARY & ARCHIVES

DATE February 21, 1950

8-1870-1 (1)

8752

Form T-1

DATA RECORD

T- 8752

Quadrangle (II): T-8752 Pennsgrove

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

Field Office: Camden, New Jersey Chief of Party: Edmund L. Jones

Compilation Office: Baltimore, Md.

Chief of Party: Thos. B. Reed

Instructions dated (II III): March 25, 1946
25 March 1946
19 July 1946

Copy filed in ~~Descriptive~~ Div. of Photogrammetry
Report No. T-8752 (VI)

Completed survey received in office: 4-22-49

Reported to Nautical Chart Section: April 1949

Reviewed: Jan. 18, 1950 Applied to chart No. Date:

Redrafting Completed:

Registered: February 8, 1950 Published:

Compilation Scale: 1:20,000 Published Scale: 1:24,000

Scale Factor (III): 1.000

Geographic Datum (III): N.A. 1927 Datum Plane (III): M.S.L.

Reference Station (III): Acton 2, 1933

Lat.: 39° 38' 11.619" (358.3)m Long.: 75° 22' 59.740" (1424.6m) Adjusted ~~Unadjusted~~

State Plane Coordinates (VI): N.J. STATE GRID
DEL. STATE GRID

X = Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

75th meridian

Number	Date	Time	Scale	Stage of Tide
15574	3/21/46	1126	1:20,000	3.9 above MLW
15575	"	"	"	" above MLW
15576	"	"	"	" above MLW
15580	"	1212	"	4.8 " "
15581	"	"	"	" " "
15582	"	"	"	" " "

Tide from (III): Actual tide observations at Phila., Pa. corrected to Oldmans Pt., N.J. to Newcastle, Delaware.

Mean Range: 5.2' **Spring Range:** 5.6'

Camera: (Kind or source) U.S.C.& G.S. 9 lens, focal length 8¼"

Field Inspection by: John D. Weiler, James Dorsey, Gordon Bowker **date:** June-Nov, 1946

Field Edit by: John D. Weiler **date:** Dec. 1948

Date of Mean High-Water Line Location (III): Same as date of photographs supplemented by field data obtained June to November 1946.

Projection and Grids ruled by (III) T.L.Janson **date:** 9-24-46

" " " **checked by:** " **date:** "

Control plotted by: L.A.Senasack **date:** 1-10-47

Control checked by: F.S.Tarcza **date:** 1-13-47

Radial Plot by: L.A.Senasack, F.J.Tarcza **date:** 4-30- to 5-13-47

Detailed by: M.K.Spencer **date:** 10-17-47 to 2-13-48

Reviewed in compilation office by: J.W.Vonasek **date:** 2-18-48 to 3-19-48

Elevations on ~~Field Edit~~ manuscript **Sheet checked by:** J.W.Vonasek **date:** 3-5-48

STATISTICS (III)

Land Area (Sq. Statute Miles): 52

Shoreline (More than 200 meters to opposite shore): 5 statute miles

Shoreline (Less than 200 meters to opposite shore):
Measured along center line of stream 30.2 statue miles

Number of Recoverable Topographic Stations established: 1

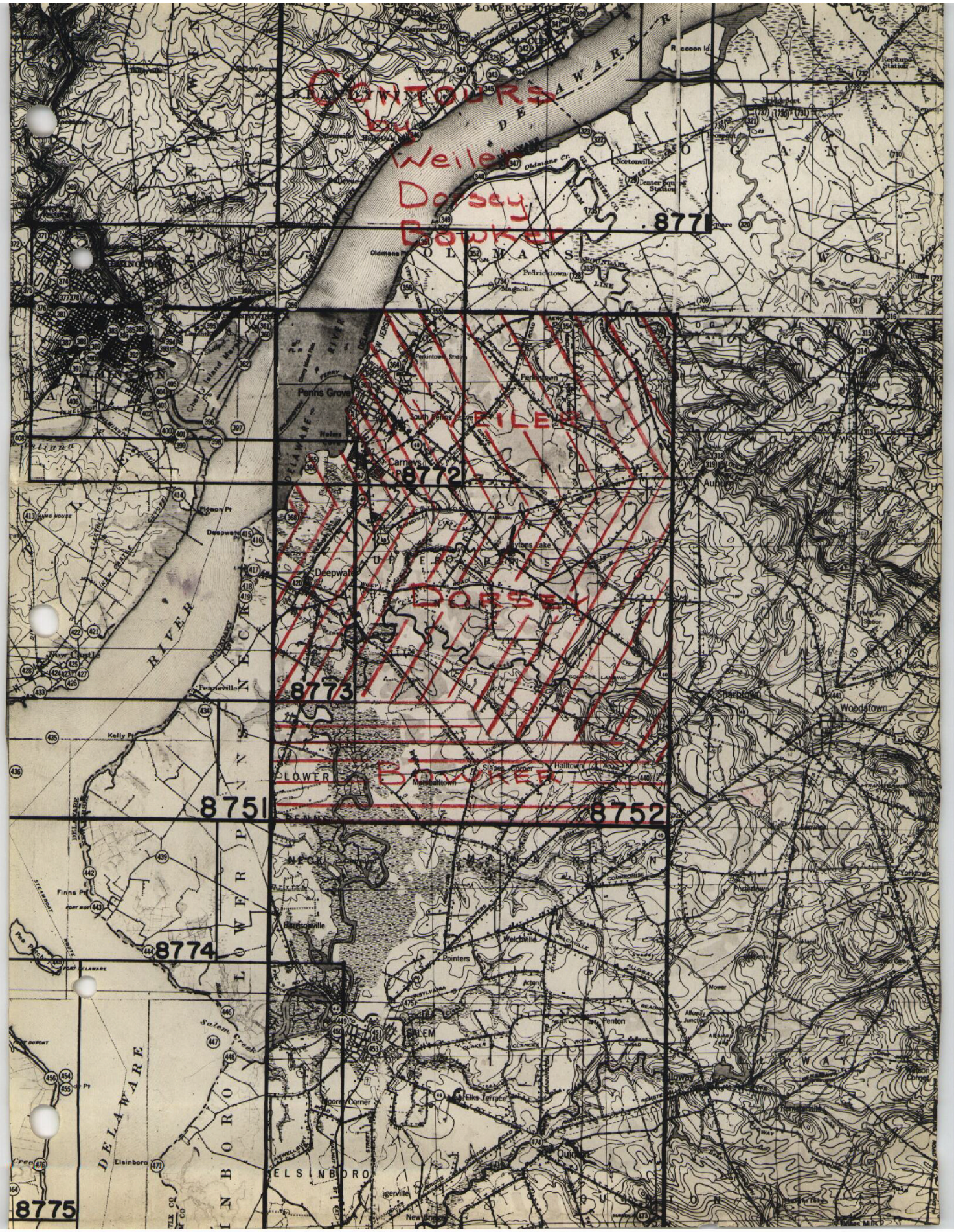
Number of photo hydro Stations located by radial plot: none

Leveling (to control contours) - miles: 93

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:


CONTOURS
by
Weller
Dorsey
Bowker
8771
8772
8773
8751
8752
8774
8775
RILEY
DORSEY
BOWKER
Penns Grove
Carneys Pt
Deepwater
Pennsville
Salem
Elsinboro
Oldmans
Pedricktown
Auburn
Woodstown
Pointers
Penton
Quinton
DELAWARE RIVER
LOWER ALLOWAYS CREEK
UPPER PENNSNECK
LOWER PENNSNECK
ELSINBORO

Summary to Accompany T-8752

This is one of a series of 18 topographic $7\frac{1}{2}$ minute quadrangles in Project Ph-7(46) extending southward along the Delaware River from Philadelphia, Pennsylvania, to lower Delaware Bay. Detailed shoreline information along the Delaware River was furnished by a series of shoreline sheets at 1:10,000.

These topographic sheets compiled at 1:20,000 scale are to be published by the U. S. Geological Survey at 1:24,000 as standard topographic quadrangles.

FIELD INSPECTION REPORT
T-8752 (39 37.5/75 22.5/7.5)
Project Ph-7 (46)
Sub-project C
E. L. Jones, Chief of Party

All phases of field work were completed in accordance with the Directors Instructions, Project Ph-7 (46) dated 25 March 1946, and Supplemental Instructions No. 1 dated 14 June 1946, except for deviations herein noted.

The field work for this quadrangle was completed by the following personnel, also refer to contour diagram for areas:

Name & Title	Field Work	1946 Dates
Ben O. Bryant Photo Aid	Shoreline	July-August
Gordon Bowker Photo Aid	Horizontal Control Recovery Vertical Control Recovery Fly levels Contours Interior Inspection	June July July Aug.-Sept. Aug-Sept.
John D. Weiler Photogrammetrist	Contours Interior Inspection	Oct-Nov
James Dorsey	Contours Interior Inspection	Oct-Nov

1. Description of the Area:

The land surface of this area ranges from nearly flat to undulating, with a change of elevation from sea level, to nearly 90 feet above sea level. An arborescent drainage pattern drains the area, the main outlet being South through Salem Creek to the Delaware River.

For the most part this area is covered with very prosperous farms. The Northwestern section, however, is somewhat industrialized, being the area within the jurisdiction of the E. I. Dupont de Nemours Powder Plant, and Chambers Works Divisions.

2. Completeness of Field Inspection:

The field inspection is felt to be adequate and complete, except for boundaries. Two field unit chiefs completed the inspection on the areas in which each worked. Further details may be noted in the various following paragraphs.

3. Interpretation of the Photographs:

Two sets of photographs were used, single lens 1/10,000 scale contact prints for some of the shoreline inspection and norizontal control identification. Nine lens 1/20,000 scale photos were used for the remainder of the snoreline not covered by tne 1/10,000 contact prints, vertical control identification, contouring, interior inspection, and in one case for horizontal control identification not covered by the single lens 1/10,000 prints.

As photography was of the first part of March, 1946, little difficulty was encountered in the interpretation of photographic details for the various phases of the work, A noticable change in water vegetation seems to have taken place in the Salem Creek area, due no doubt to growth of an annual nature. As this vegetation undoubtedly reoccurs each year it was deemed advisable to show its extent, and appropriate notes have been made on the photographs concerned.

4. Horizontal Control:

37 Horizontal control stations were searched for or recovered. Of these 11 were identified on the photographs, either by the substitute station method, or pricked direct.

One Azimuth mark that had been moved by a road scraper was reset.

5. Vertical Control:

Vertical control consisted of recovery and identification of existing bench marks on 9-lens photographs, and establishing of approximately 93 miles of differential levels. Elevations were determined to the nearest .01 of a foot by Wye level methods. The maximum error of closure was .29 of a foot. As no error of closure in excess of .3 of a foot occurred, no adjustments were made.

6. Contours and Drainage:

Contouring was done in the field directly on 1/20,000 scale 9-lens photographs by plane table methods. The contour interval was 10 ft. All work was done as near the center of the photographs as possible, to minimize distortion and large scale changes.

7. Mean High Water Line:

All shoreline of this quadrangle is affected by tide water.

Mean High Water Line: (cont'd)

The Shoreline was inspected by Ben O. Bryant, Sr. Photo Aid, in the later part of July, 1946. When possible a truck was used and inspection was done by walking along the shoreline and at frequent intervals measurements were taken from an identifiable object or point and labeled on photographs. When a truck was inadequate for this work a small skiff was used, paralleling the shore as close as possible.

8. Low Water Line:

Measurements taken from some identifiable object or point on photograph and distance applied on photograph check very closely to the Low water line as seen on photographs, indicating that the photographs were taken at or near low-water. It can safely be assumed that the water line seen on the photographs is the low water line.

9. Wharves & Shoreline Structures:

Wharves and shoreline structures were closely inspected and noted on the photographs.

10. Details Offshore from the High Water Line:

Details offshore from the H.W.L. were inspected when discernable and noted on photographs.

11. Land Marks and Aids to Navigation:

One new landmark was established in this quadrangle and is being submitted on form 567. All other landmarks that were charted were inspected and recovered and listed on form 567.

12. Hydrographic Control:

Topographic stations were established in accordance with instructions for this project. There were enough natural objects to cover the requirements therefore no monuments were set on this quadrangle. Two additional topographic signals sites were pricked and described on photographs and are numbered 5201 & 5202.

13. Landing Fields and Aeronautical Aids:

No comment.

14. Roads:

Classified.

15. Bridges:

All bridges were measured with a steel tape and checked against the 1941 bridge book. Horizontal clearances were measured between fenders. Vertical clearances were measured between lowest point on bridge and M. H. W. estimated. Appropriate notes were made on the photographs.

16. Buildings:

No comment necessary.

17. Boundaries:

Boundary lines are shown on the Photographs with standard symbols in purple ink. Notes concerning their deviation have been written on the photographs. Pricking cards have been submitted for monuments recovered. In the absence of monuments the locations were determined as closely as possible by local inquiry.

In the southern portion of the quadrangle great difficulty was encountered locating monuments; where they could not be located they were left for the field edit party.
See Review Report

Legal descriptions of boundaries will be furnished in a special report.

18. Geographic Names: 8161✓

Geographic name information is the subject of a special report by Lowell I. Bass, Engineering Aid. Filed in Geographic Names Section, Div. of Charts.

Submitted
Nov 27, 1946

John D. Weiler
Jonn D. Weiler
Photogrammetrist

Approved
Nov, 27, 1946

Edmund L. Jones
Chief of Party

By Harland R. Cravat
Harland R. Cravat
Photogrammetrist

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

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

Salem, New Jersey 20 July, 19

I recommend that the following objects which have *(have not)* been inspected from seaward to determine their value as landmarks, be charted on *(~~delete from~~)* the charts indicated. B.O.S. Ben O. Bryant, Sr. Photo Aid E.L. Jr. Chief

The positions given have been checked after listing by

Chief of Party.

STATE: New Jersey

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LAT. D.M. METERS	POSITION LONGITUDE ° ′	LONG. D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
* TANK	(Elev) Pennsgrove Water Supply Grey W.T. (150' High)		39 43.8	132.5	75 28.3	492	NA 1927	Rad-Plot T-8752	1946		x		295
TANK	(Elev) Carney Point, Dupont Powder Co. Tall Black W.T. (1933)		39 42.48		75 29-19		Na 1927	TRI	1933		x		295
STACK	Carney Point, Dupont Powder Co. Brick Stack (1933)		39-42-43		75-29-26		Na1927	TRI	1933		x		295
SPIRE	Pennsgrove St. Paul Church Spire (1933)		39-43-57		75-28-18		NA 1927	TRI	1933		x		295
STANDPIPE	Pennsgrove Standpipe (1933)		39-44-07		75-27-52		NA 1927	TRI	1933		x		295
TANK	(Elev) Delaware Ordinance Depot Squat Silver W.T. (1933)		39-45-00		75-26-58		NA 1927	TRI	1933		x		295
#1561	Deepwater Point Range Rear - See form 567 submitted with T-8757												
	* Submitted with descriptive report for Survey No. T-8772 by Baltimore Photogrammetric Office												

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.

MAP T-8752 PROJECT NO. PH-7(46)C SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE ~~OR y-COORDINATE~~ LONGITUDE ~~OR x-COORDINATE~~	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM ~~GRID OR~~ PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
EDGEMOOR 2, 1933, r. 1946	G-1664 Pg. 72	N. A. 1927 ✓	39° 45' 04.030"	not within limits of T-875x		124.3 (1726.2)	
			75° 29' 42.152"	See T-877x		1003.5 (424.9)	
SUB. STA. EDGEMOOR 2		" ✓	39° 45'			95.1 (1755.4)	
			75° 29'			974.4 (454.0)	
DELAWARE ORDNANCE DEPOT SQUAT SILVER WATER TANK 1933 r. 1946	G-1751 Pg. 113	" ✓	39° 45' 00.097"	not within limits of T-875x		3.0 (1847.5)	
			75° 26' 57.877"	See T-877x		1377.9 (50.5)	
PENNS GROVE, STANDPIPE 1933, r. 1946	G-1751 Pg. 118	" ✓	39° 44' 07.254"			223.7 (1626.8)	
			75° 27' 51.593"			1228.5 (200.2)	
PENNS GROVE, ST. PAULS CHURCH SPIRE 1933. r. 1946	G-1751 Pg. 118	" ✓	39° 43' 57.180"			1763.5 (87.0)	
			75° 28' 18.349"			436.9 (991.9)	
OLDMAN, 1933, r. 1946	G-1664 Pg. 80	" ✓	39° 42' 57.682"	not within limits of T-875x		1779.0 (71.5)	
			75° 21' 39.969"			952.0 (477.1)	
AUBURN, 1933; r. 1946	G-1664 Pg. 72	" ✓	39° 42' 49.286"	not within limits of T-875x		1520.0 (330.4)	
			75° 21' 50.150"			1194.6 (234.6)	
SUB. STA. AUBURN		" ✓	39° 42'			1571.8 (278.6)	
			75° 21'			1294.2 (135.0)	
CARNEYS POINT DU-PONT POWER CO. TALL BLACK WATER TANK 1933; r. 1946.	G-1751 Pg. 120	" ✓	39° 42' 48.455"			1494.4 (356.1)	
			75° 29' 19.094"			454.8 (974.4)	

1 FT. = .3048006 METER

COMPUTED BY: L.A.Senasack DATE 1/8/47 CHECKED BY: G.O.Fellers DATE 1/13/47

M-2388-12

MAP T-8752 PROJECT NO. PH-7(46)C SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
CARNEYS POINT, DU-PONT POWDER CO., BRICK STACK, 1933; r. 1946	G-1751 Pg. 120	N.A. 1927	39° 42' 42.591"			1313.5 (536.9)	
			75° 29' 25.894"			616.8 (812.4)	
CARNEYS POINT WATER TANK, 1933; r. 1946	G-1751 Pg.121	"	39° 42' 36.111"			1113.7 (736.7)	
			75° 28' 24.834"			591.6 (837.7)	
DEEPWATER POINT REAR RANGE LT., 1933	G-1751 Pg.121	"	39° 41' 59.067"			1821.7 (28.7)	
			75° 29' 38.212"			910.4 (519.1)	
DEEPWATER TALL BLACK WATER TANK, 1933; r.1946.	G-1751 Pg. 122	"	39° 41' 00.181"			5.6 (1844.8)	
			75° 29' 36.236"			863.5 (566.3)	
ACTON 2, 1933	G-1664 Pg. 57	"	39° 38' 11.619"			358.3 (1492.1)	
			75° 22' 59.740"			1424.6 (6.2)	
MON. No. 2946, 1935, r. 1946	N.J. State Control	"	337,877.42	7,877.4 (2,122.6)		2,401.0 (647.0)	not within limits
			1,792,029.60	2,029.6 (7,970.4)		618.6 (2,429.4)	of T-875
MON. NO. 2904, 1936, r. 1946	N.J. State Control	"	300,981.72	981.7 (9,018.3)		299.2 (2,748.8)	not within limits
			1,803,624.34	3,624.3 (6,375.7)		1,104.7 (1943.3)	of T-875
MON. NO. 2903, 1936, r.1946	"	"	~~300~~,346.34	346.3 (9,653.7)		105.6 (2942.4)	not on sheet
			1,805,032.94	5,032.9 (4,967.1)		1534.0 (1514.0)	of T-875
MON. NO. 2905, 1935, r. 1946	"	"	295,161.77	5,161.8 (4,838.2)		1,573.3 (1474.7)	
			1,797,573.83	7,573.8 (2,426.2)		2308.5 (739.5)	
MON. NO. 2908, 1935, r. 1946	"	"	290,254.4	254.4 (9,745.6)		77.5 (2970.5)	not within limits
			1802,020.0	2,020.0 (7,980.0)		615.7 (2432.3)	of T-875
DEPOT, 1933; r. 1946	G-1664 Pg.72	"	39° 46' 04.388"			135.3 (1715.2)	not within limits
			75° 27' 11.413"			271.7 (1156.4)	of T-875

1 FT. = .3048006 METER

COMPUTED BY: L.A.Senasack DATE 1/8/47 CHECKED BY: G.O.Fellers DATE 1/13/47

M-2388-12

MAP T-8752 PROJECT NO. PH-7(46)C SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
SUB. STA. DEPOT		N.A.	39° 46'	{not within limits of T-875Y.		91.3 (1759.2)	
		1927	75° 27'	"		248.8 (1179.3)	
PEDRICKTOWN, 1933 r. 1946	G-1664 Pg.72	N.A.	39° 45' 39.017"	"		1203.3 (647.2)	
		1927	75° 24' 09.052"			215.5 (1212.7)	
SUB. STA. PEDRICKTOWN		"	39° 45'	"			
			75° 24'				
SUB. STA. MON. NO. 2904		"	300,000	"		300.7 (2747.3)	
			1,800,000			1116.8 (1,931.2)	
SUB. STA. MON. No. 1064		"	330,000	{not on sheet T-875Y}			
			1,820,000				
SUB. STA. MON. NO. 13009		"	330,000	"			
			1,820,000				
SUB. STA. MON. NO. 2905		"	290,000				
			1,790,000				

1 FT. = .3048006 METE L.A.Senasack

COMPUTED BY: L.A.Senasack DATE 1/8/47 CHECKED BY: G.O.Fellers DATE 1/13/47

M-2588-12

COMPILATION REPORT

MAP MANUSCRIPT, SURVEY NO. T-8752

T-8752 (Pennsgrove Quadrangle), is one of 10 topographic 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.

26. CONTROL

See layout of control submitted to the Washington Office 21 May 1947. A list of stations on Form No. M-2388-12 is included in this report.

27. RADIAL PLOT

The radial plot for the area of this survey was part of a combined radial plot made with celluloid templets for Surveys Nos. T-8751 to T-8754, inclusive, the report for which was submitted to the Washington Office on 21 May 1947 and is now included as part of the Descriptive Report T-8751.

28. DELINEATION

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

Photographs and field inspection were in general, adequate and satisfactory.

All contours were traced directly from field photographs. Minor corrections were made for purposes of completion of junctions with adjoining surveys.

The mean high water line and adjacent features were traced from reductions of shoreline manuscripts T-8772 & T-8773. See these surveys for shoreline features at a larger scale.

29. SUPPLEMENTAL DATA

Map of New Jersey-Delaware Boundary in Delaware River and Bay to accompany the decree of the Supreme Court of the United States dated 30 March 1935 (Sherman & Sleeper, Engineers).

Map of Pennsgrove Borough prepared by Skinner & Compton, Engineers, dated April 1940.

Filed in Div. of Photogr. General Files

30. MEAN HIGH WATER LINE

All of the mean high water line not covered by shoreline surveys was delineated after stereoscopic examination of photographs. See also paragraph 28, above.

31. MEAN LOW WATER LINE

Only the approximate mean low water line identified by the field party on 1:10,000 scale field ratio prints has been shown.

31a. SHOAL LINES

Cherry Island Flats was not delineated because the feature was not apparent on the photographs.

32. DETAILS OFFSHORE FROM MEAN LOW WATER LINE

No comment.

33. WHARVES & SHORELINE STRUCTURES

Delineated in accordance with field identification.

34. LANDMARKS AND AIDS TO NAVIGATION

See form No. 567 attached to the field report, and to the report for Survey No. T-8772. T-8757

35. HYDROGRAPHIC CONTROL

None shown.

See descriptive report for Shoreline Survey No. T-8772 for location and description of two (2) photo-hydro stations.

36. LANDING FIELDS & AERONAUTICAL AIDS

One airport and one proposed airport were delineated in accordance with field party inspection. The aeronautical aid shown on the Corps of Engineers Salem Quadrangle as "Aero Fl" was not delineated on the manuscript because it was not identified by the field party. ~~(Possibly~~ No longer in existence).

37. GEOGRAPHIC NAMES

Geographic names were taken from the final name standard dated 10 December 1946. A list of geographic names is attached to this report.

38. JUNCTIONS

The junctions to the south with Survey No. T-8754 and to the west with Survey No. T-8751 have been made, and are in good agreement.

There are no contemporary surveys to the north and to the east.

39. BOUNDARIES Filed in Div of Photogrammetry General Files

The legal descriptions of the boundaries of Townships Mannington, Oldmans, Upper Penns Neck, Lower Penns Neck, and Pilesgrove have not been furnished. Township boundaries delineated upon the manuscript are in accord with those shown upon "Salem Quadrangle, published by Corps of Engineers, U. S. Army, 1941. The only boundaries identified on field photographs are those shown on photographs 15576 and 15580. See Review Report

40. BRIDGES

Details in regard to bridges were delineated in accordance with information furnished on field photographs.

All bridge information for the area covered by this report as listed in the U. S. Engineers "List of Bridges Over Navigable Waters in the U.S." dated 1 July 1941, was verified in the field; all clearances were carefully measured with a steel tape, and the published descriptions and clearances were found to be correct except for the following discrepancies which were not reported to the Local District Engineer:

Bridge at	Field Information	Listed Measurements
Salem Canal, Deepwater Point, N.J. R.R. Bridge, Steel	Hor. Cl. 40.5 ' Ver. Cl. 3.0' Fixed	Not listed
Salem Canal, Deepwater Point, N.J. Highwater Bridge, Wood	Hor. Cl. 40.0' Ver. Cl. 5.0' MHW Fixed	39.3' 8.0' MHW Bascule
Salem Canal Deepwater Point, N.J. Highway Bridge, Concrete	Ver. Cl. 7.8', MHW Hor. Cl. 60.0'	6.0' MHW
Salem River Logston Crest, N.J. Highway Bridge, Concrete	Ver. Cl. skiff only Hor. Cl	Not listed
Salem Creek Courses Landing, N.J. Highway Bridge	Not given	

A list of bridge discrepancies for the north bay & Craft Ph-G has been prepared and will be submitted to the Dist. Engr. (U.S.E.) during the field edit of map T-8747 B 2/14/50

41. DISCREPANCY OVERLAY

A discrepancy overlay containing notes in reference to conflicting or omitted data is submitted with the manuscript.

44. COMPARISON WITH EXISTING TOPOGRAPHIC SURVEYS

T-8752 has been compared with the U. S. Engineers Salem quadrangle scale 1:62,500, dated 1941, and found to be in good agreement.

45. COMPARISON WITH NAUTICAL CHARTS

Survey No. T-8752 has been compared with Nautical Chart No. 294, scale 1:40,000, published September 1943 (10th edition, 1st edition, 1895,) corrected to 13 July 1946, and Nautical Chart No. 295, scale 1:40,000, published September 1943, (17th edition, 1st edition, 1913) corrected to 5 January 1948.

The following topographic information shown on the map 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 this chart:

None.

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

Minor changes in cultural and shoreline details shown on this manuscript need no special discussion.

Respectfully submitted
15 March 1948

M. R. Spencer
Engineering Aid
Compilation & Descriptive Report

Joseph W Bonacek
Photogrammetric Engineer
Photogrammetric Office Reviewer

H. R. Rudolph
Supervisor

Approved and forwarded
March 1948

Officer in Charge
Baltimore Photogrammetric Office

1

GEOGRAPHIC NAMES

Beaver Dam
Biddles Landing
Brandywine Hundred Boundary Line
Carney Point
Carneys Point
Cheeseman Courses Landing Road
* ~~Cherry Island Flats~~
Concord School
Courses Landing
Courses Landing Road
Culliers Run
Danceys Corner
Deepwater
— Deepwater School
Deepwater Slapes Corner Road
Delaware
Delaware River
Dupont Penns Grove Country Club
Forked Hickory Pedricktown Road
Friendship
Game Creek
Game Creek Branch
Glenside
Gloucester County
Golf Manor
Golfview
Haines Neck
Haines Neck Church
Haines Neck Road
Haines Neck School
Halls Run
Halltown
Harding Highway
Helms Cove
Henby Creek
Hook Road
Laytons Lake
Horne Run
U.S. 130
N.J. 44
N.J. 48

* Not on manuscript because feature could not be delineated.

County Rd. 30
County Rd. 40
Beaver Cr.
Cedar Crest Manor

Logan Township
~~Logston Forest~~
Lower Penns Neck Township
Major Run
~~Mannington Meadow~~
Mannington Township
Marshalltown
New Jersey
Oldmans Creek
Oldmans Township
Pedricktown Woodstown Road
~~Pennsgrove~~ Penns Grove
~~Pennsgrove~~ Penns Grove Auburn Road
~~Pennsgrove~~ Penns Grove Wilmington Ferry
Pennsville Auburn Road
Pennsylvania Reading Seashore Lines
Perkintown
— Perkintown Cemetery
Perkintown Road
Perkintown Station
Pine Island Meadow
Pointers Auburn Road
Pointers Sharptown Road
Porcupine Straughens Mill Road
Raines Corner
Salem Canal
Salem County
Salem Creek Salem River
Slapes Corner
South Penns Grove
Two Penny Run
Upper Penns Neck Township
Whooping John Creek
Wiley Road
Wilmington
Wilmington Hundred Boundary Line
Mt. Zion Ch.
U S 40
Penns Grove Field
County Rd. 7
County Rd. 17
County Rd. 41
County Rd. 43
County Rd 44
County Rd 63

* = Decis. BGN
• = Approved name

12-14-49
G.J.W.

FIELD EDIT REPORT
Quadrangle T-8752
39°37.5' 75°22.5' / 7.5
Project Ph-7(46)
Riley J. Sipe, Chief of Party

Field edit of this quadrangle was completed during December 1948 by John D. Weiler, Photogrammetrist.

46. METHODS

In field editing the map manuscript, all roads were traversed by truck. Because of the plethora of roads in the area, walking was necessary in only a few instances for solving drainage and contour discrepancies. Data added to the map manuscript were either plotted from topographic features, or cut in by planetable methods.

47. ADEQUACY OF THE MAP MANUSCRIPT

The map manuscript was incomplete in only one respect; building delineation. This item constituted the majority of the field edit work. In all other features the compilation was well done.

Most of the notes on the field edit sheet are self-explanatory. The few items needing further clarification are elaborated below.

The area adjacent to the Salem River is correctly delineated as water; not marsh, as questioned by the reviewer.

The name, CONCORD SCHOOL, was applied to the wrong schoolhouse, and has been corrected on the field edit sheet.

The name, Logston Crest, has been deleted in favor of the name, CEDAR CREST MANOR, after inquiry prompted by local highway signs.

Roads have been reclassified according to the latest instructions, and road destinations obtained along the northern and eastern quadrangle borders as requested by the reviewer.

The District Engineer of the U.S.E.D. was notified of all conflicting bridge measurements.

48. VERTICAL ACCURACY TEST

Since no vertical accuracy test was specified for this quadrangle, contours were given stringent visual attention. They have good form and adequately depict the terrain.

The map manuscript was reviewed by Mr. Krauss, Chief Engineer for the Dupont Powder Company for the past twenty years. Familiar with the area, he found no errors.

Submitted
3 January 1949

John D. Weiler

John D. Weiler
Photogrammetrist

Review Report T-8752
Topographic Map
19 January 1950

61. General.-Detailed shoreline information along the Delaware River was furnished by two shoreline sheets of this same project i.e. Ph-7(46) --

T-8772	1:10,000	(Compiled 1947)
T-8773	1:10,000	(Compiled 1947)

62. Comparison with Registered Surveys:

T-1509a,b	1:5,000	1881
T-1545	1:5,000	1881

This map, T-8752, supersedes these surveys for nautical charting purposes.

63. Comparison with Maps of Other Agencies

SALEM	1:62,500	1948 Army Map Service

64. Comparison with Contemporary Hydrographic Surveys: None

65. Comparison with Nautical Charts:

Chart 294	1:40,000	Revised to April 1949
Chart 295	1:40,000	Revised to June 1948

66. Adequacy of Manuscript.-This compilation complies with the National Standards of Map Accuracy.

67. Boundaries.-The Delaware-New Jersey boundary is the MLW line on the New Jersey shore. Except for the approximate MLW line indicated by the sand and mud foreshore symbols, no other MLW line data has been furnished.

Township boundary information was obtained from the highway maps for Salem County, N.J., revised to 1944. The only legal descriptions extant for these boundaries were obsolete and could not be used.

68. Classified Information.-The manuscript contains classified information and has been designated "RESTRICTED" accordingly.

Reviewed by:

L. Martin Gazik

L. Martin Gazik

APPROVED BY:

L. V. Griffith

Chief, Review Section
Division of Photogrammetry

H. C. Edmonston

Chief, Nautical Chart Branch
Division of Charts

O. S. Reading

Chief, Division of Photogrammetry

Acting

Chief, Div. Coastal Surveys