

# 8754

Diag'd. on Diag. Ch. No. 294

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Topographic - Photogrammetric

Field No. PH-7(16)C Office No. T-8754

### LOCALITY

State New Jersey

General locality Salem County

Locality Alloway Creek to Mannington Creek

1946-'48

CHIEF OF PARTY

E.L. Jones

LIBRARY & ARCHIVES

DATE November 15, 1949

B-1870-1 (1)

# 8754

## DATA RECORD

T- 8754

Quadrangle (II): Salem

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

Field Office:  
Camden, New JerseyChief of Party:  
E. L. JonesCompilation Office:  
Baltimore Photogrammetric OfficeChief of Party:  
Thos. B. ReedInstructions dated (II III):  
25 March 1946, 14 June 1946  
19 July 1946

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

Completed survey received in office: 11-25-47

Reported to Nautical Chart Section: 11-29-47

Reviewed: 3-17-49 Applied to chart No. 294 Date: 2-2-49

Redrafting Completed:

Registered: 10-25-49

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): SALEM, 1933

Lat.:  
39° 34' 36.360" 1121.3mLong.:  
75° 28' 38.280" 913.6mAdjusted  
~~Unadjusted~~

State Plane Coordinates (VI): N. J. State Grid.

X = 1,771,492.94 Ft

Y = 271,803.26 Ft.

Military Grid Zone (VI)

PHOTOGRAPHS (III) 75th meridian				
<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
15572-15574 incl.	3/21/46	1125	1:20,000	5.0 above MLW
15582-15584 "	3/21/46	1215	1:20,000	5.6 above MLW

Actual tide observations at Philadelphia with corrections  
Tide from (III): to "Delaware City to Reedy Islande.

Mean Range: 5.3'                      Spring Range: 5.8'

Camera: (Kind or source) United States Coast and Geodetic Survey nine  
lens camera (focal length 8 $\frac{1}{4}$ ".) All negatives are on file in the Wash-  
ington Office.

Field Inspection by:                      date:  
E. L. Jones                      May to October 1946

Field Edit by: Donald G. Flippo                      date: Jan. to Mar. 1948

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

Projection and Grids ruled by (III) T. L. Janson                      date: 8-16-46

" " " checked by: T. L. Janson                      date: 8-16-46

Control plotted by: L. A. Senasack                      date: 12-6-4

Control checked by: G. O. Fellers                      date: 12-10-46

Radial Plot by: F. J. Tarcza                      date: 4-30 to 5-13-47

L. A. Senasack  
Detailed by: Ruth E. Rudolph                      date:  
7-30 to 8-8-47

Reviewed in compilation office by:                      8-18 to 8-22-47  
J.W. Vonasek                      9-3 to 10-15-47  
10-24 to 11-14-47

Elevations on <sup>manuscript</sup> ~~field notes~~ sheet  
checked by: J.W. Vonasek                      date: 11-6-47

STATISTICS (III)

Land Area (Sq. Statute Miles): 54

Shoreline (More than 200 meters to opposite shore): 12 statute miles

Shoreline (Less than 200 meters to opposite shore): 47 statute miles  
(centerline only)

Number of Recoverable Topographic Stations established: 5

Number of <sup>photo hydro points</sup> ~~Temporary Hydrographic Stations~~ located by radial  
plot: 3

Leveling (to control contours) - miles: 69

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: Form No. 524 for topographic station GALE, 1946, was forwarded  
to Washington Office 13 August 1947 with Survey No. T-8777

There is no form No. 524 nor field identification for topo-  
graphic station SAKE, listed in "Notes to Compiler" of the  
field report.



MAP T-8754

PROJECT NO. PH-7(46)C

SCALE OF MAP 1:20,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR LONGITUDE OR x-COORDINATE OR y-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)	FORWARD	(BACK)
SALEM, MANNINGTON MILLS, SILVER WATER TANK, 1933 ✓	G-1751 Pg. 125	N.A. 1927	39° 34' 52.183"				1609.3	(241.1)		
SALEM, 1933 ✓	G-1664 Pg. 74	"	75° 27' 21.566"				514.7	(917.3)		
SUB. STA. SALEM *		"	39° 34' 36.360"				1121.3	(729.1)		
		"	75° 28' 38.280"				913.6	(518.4)		
SALEM, GAYNER GLASS CO., STACK, 1933 ✓	G-1664 Pg. 126	"	39° 34' 30.383"				1083.3	(767.1)		
SALEM, GAYNER GLASS CO., BLACK WATER TANK, 1933 ✓	G-1664 Pg. 126	"	75° 28' 40.106"				958.7	(473.3)		
SALEM, CHURCH SPIRE WITH CROSS, 1933 ✓	G-1664 Pg. 126	"	39° 34' 29.263"				937.0	(913.4)		
		"	75° 28' 41.054"				957.2	(474.8)		
SALEM, FIRST PRESBYTERIAN CHURCH SPIRE, 1933 ✓	G-1664 Pg. 126	"	39° 34' 28.155"				902.5	(947.9)		
SALEM, BLACK MOUND IPAL STANDPIPE, 1933 ✓	G-1751 Pg. 127	"	75° 27' 57.396"				979.8	(452.2)		
ALLOWAY CREEK, 1933 (STEEL PLATE REF. M.L.)	G-1664 Pg. 75	"	39° 34' 23.628"				868.3	(982.1)		
BURDEN 2, 1933 ✓	G-1664 Pg. 57	"	75° 27' 59.252"				1369.9	(62.2)		
HANCOCKS BRIDGE 1933 ✓	G-1664 Pg. 74	"	39° 32' 59.581"				728.7	(1121.7)		
		"	75° 24' 20.409"				1422.1	(10.0)		
SUB. STA. HANCOCK'S BRIDGE *		"	39° 34' 48.517"				629.4	(1221.0)		
		"	75° 22' 53.014"				1414.2	(17.9)		
		"	39° 30' 30.958"				1673.0	(177.4)		
		"	75° 27' 38.423"				1266.0	(166.7)		
		"	39° 30' 30.958"				1496.3	(354.1)		
		"	75° 27' 38.423"				1266.1	(166.9)		
		"	39° 30' 30.958"				954.7	(895.7)		
		"	75° 27' 38.423"				917.9	(515.5)		
		"	39° 30' 30.958"				903.5	(946.9)		
		"	75° 27' 38.423"				935.4	(498.0)		

1 FT. = 3048006 METER

COMPUTED BY: L. A. Senasack

DATE 12/3/46

CHECKED BY: G.O. Fellers

DATE 12/4/47

M-2388-12

MAP T-8754

PROJECT NO. Ph-7(46)C

SCALE OF MAP 1:20,000

SCALE FACTOR 1,000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $y$ -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)	FORWARD (BACK)
MON. NO. 15011, 1940 (also B.M.)	N.J. State Control	N.A. 1927	289,068.0	9,068.0 (932.0)		2,763.9 (284.1)	
			1,800,394.1	394.1 (9,605.9)		120.1 (2,927.9)	
MON. NO. 18007, ✓ 1940, (also B.M.)	"	"	283,676.4	3,676.4 (6,323.6)		1,120.6 (1,927.4)	
			1,792,963.7	2,963.1 (7,036.3)		903.3 (2,144.7)	
SUB. STA. MON. NO. 18007 *	"	"	280,000.0			1,219.5 (1,828.5)	
			1,790,000.0			1,042.4 (2,005.6)	
MON. NO. 15005, ✓ 1940 (also B.M.)	"	"	281,934.5	1,934.5 (8,065.5)		589.6 (2,458.4)	
			1,790,298.9	298.9 (9,701.1)		91.1 (2,956.9)	
MON. NO. 15003, ✓ 1940 (also B.M.)	"	"	280,915.2	915.2 (9,084.8)		279.0 (2,769.0)	
			1,788,167.0	8,167.0 (1,833.0)		2,489.3 (558.7)	
MON. NO. 15001, ✓ 1940 (also B.M.)	"	"	279,463.0	9,463.0 (537.0)		2,884.3 (163.7)	
			1,784,719.3	4,719.3 (5,280.7)		1,438.4 (1,609.6)	
MON. NO. 15000, ✓ 1940 (also B.M.)	"	"	277,238.4	7,238.4 (2,761.6)		2,206.3 (841.7)	
			1,779,661.0	9,661.0 (339.0)		2,944.7 (103.3)	
SUB. STA. MON. NO. 15000 *	"	"	270,000.0			2,140.5 (907.5)	
			1,770,000.0			2,896.7 (151.3)	
MON. NO. 12042, ✓ 1940, (also B.M.)	"	"	265,428.7	5,428.7 (4,571.3)		1,654.7 (1,393.3)	
			1,779,933.9	9,933.9 (66.1)		3,027.9 (20.1)	
MON. NO. 12039, 1940 (also B.M.) ✓	"	"	263,455.6	3,455.6 (6,544.4)		1,053.3 (1,994.7)	
			1,784,758.2	4,758.2 (5,241.8)		1,450.3 (1,597.7)	
MON. NO. 2918, ✓ 1935 (also B.M.)	"	"	262,787.4	2,787.4 (7,212.6)		849.6 (2,198.4)	
			1,786,193.3	6,193.3 (3,806.7)		1,887.7 (1,160.3)	
MON. NO. 2919, ✓ 1935 (also B.M.)	"	"	262,290.5	2,290.5 (7,709.5)		698.1 (2,349.9)	
			1,787,507.4	7,507.4 (2,492.6)		2,288.3 (759.7)	

1 FT. = 3048006 METER

COMPUTED BY: L.A. Senasack

DATE 12/3/46

CHECKED BY: G.O. Fellers

DATE 12/4/46

M-2388-12



MAP T-8754

PROJECT NO. FH-7(46)C

SCALE OF MAP 1:20,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR U-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)
MON. NO. 12036, 1940 (also B.M.)	N.J. State Control	N.A. 1927	260,544.5 1,789,447.6	544.5 (9,455.5) 9,447.6 (552.4)		166.0 (2,882.0) 2,879.6 (168.4)	
MON. NO. 12034, 1940	"	"	256,102.2 1,796,670.9	6,102.2 (3,897.8) 6,670.9 (3,329.1)		1,860.0 (1,188.0) 2,033.3 (1,014.7)	
SUB. STA. MON. NO. 12034 *	"	"	250,000.0 1,790,000.0			1,987.0 (1,061.0) 1,791.2 (1,256.8)	
MON. NO. 2920, 1935 (also B.M.)	"	"	255,654.6 1,797,393.6	5,654.6 (4,345.4) 7,393.6 (2,606.4)		1,723.5 (1,324.5) 2,253.6 (794.4)	
MON. NO. 12033, 1940 (also B.M.)	"	"	254,320.8 1,799,927.6	4,320.8 (5,679.2) 9,927.6 (72.4)		1,317.0 (1,731.0) 3,025.9 (22.1)	
MON. NO. 12099 1940 (also B.M.)	"	"	275,762.1 1,778,201.6	5,762.1 (4,237.9) 8,201.6 (1,798.4)		1756.3 (1291.7) 2499.8 (548.2)	
MON. NO. 15006 1940 (also B.M.)	"	"	282,272.1 1,791,284.0	2,272.1 (7,727.9) 1,284.0 (8,716.0)		692.5 (2355.5) 391.4 (2656.6)	
MON. NO. 15007 1940 (also B.M.)	"	"	283,007.7 1,792,182.4	3,007.7 (6,992.3) 2,182.4 (7,817.6)		916.7 (2131.3) 665.2 (2382.8)	
* Stations used for radial plot only							

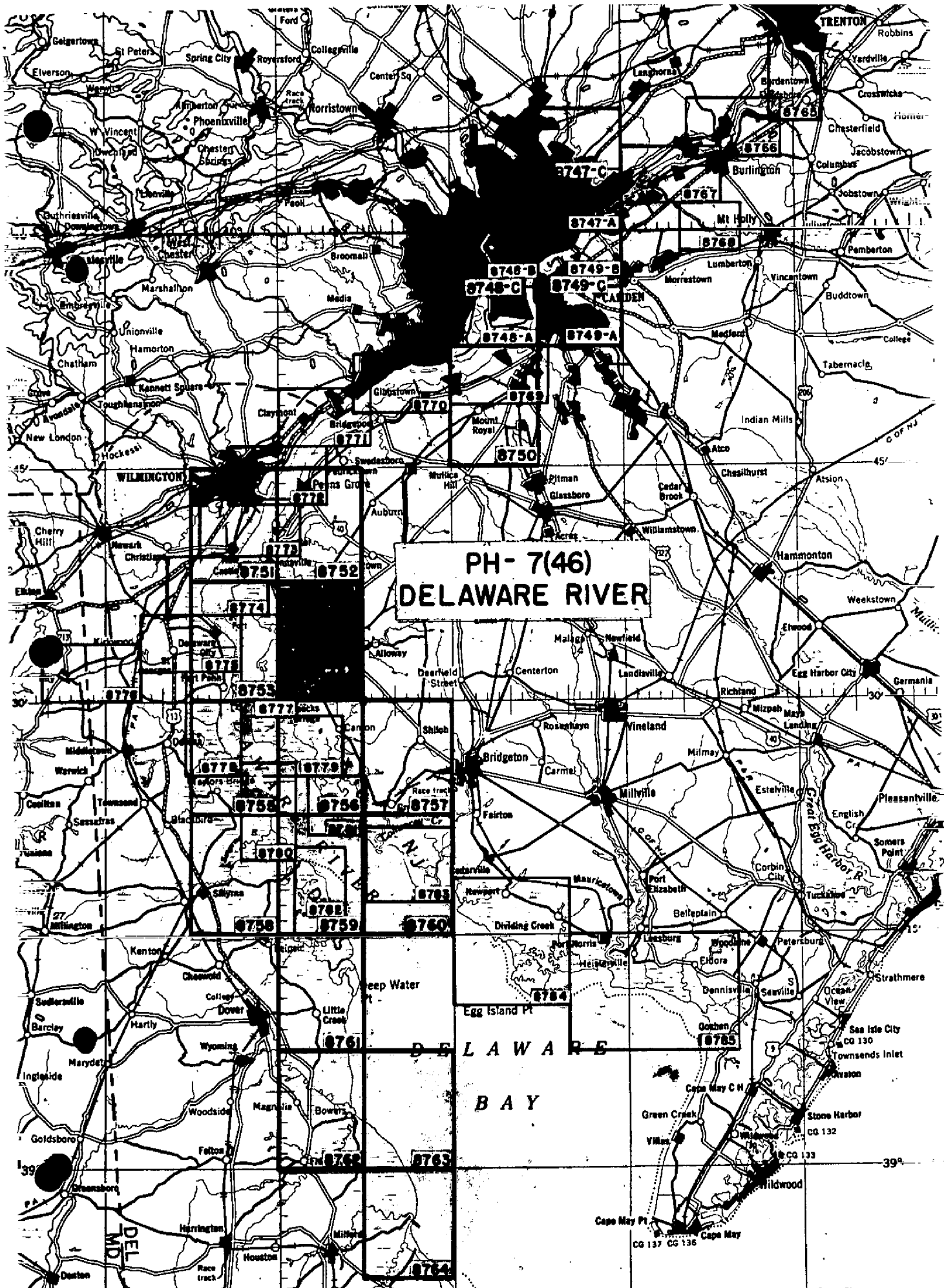
1 FT. = 3048006 METER  
COMPUTED BY: L.A. Senasack

DATE 12/3/46

CHECKED BY: G.O. Fellers

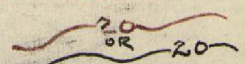
DATE 12/4/46







SYMBOLS  
Project Ph-7(46)  
12 April 1946

MEAN HIGH WATER LINE (fast line).....	---
OFFSHORE EDGE OF MARSH (apparent shoreline).....	---
GRASS IN WATER.....	GR
INSHORE LIMITS OF MARSH .....	---
MEAN LOW WATER LINE (definite).....	---
APPROXIMATE MEAN LOW WATER LINE.....	.....
INTERMITTANT DRAINAGE.....	~~~~~
PERENNIAL DRAINAGE.....	~~~~~
CONTOURS.....	
PLANE TABLE ELEVATIONS FOR CONTOURS.....	X 14 OR X 14
FLY LEVEL ELEVATIONS.....	CE 12 59.7
BENCH MARKS, marked and described.....	○ J 16 1940 Elev. 36.47
TOPO STATIONS, marked and described.....	/ REX, 1946 (dm)
TOPO STATIONS, NATURAL OBJECTS.....	/ TANK (ELEV) steel (75' high)
LANDMARKS.....	/ LANDMARKS STACK, black (55' h)
HYDROGRAPHIC STATIONS, assign No., describe on photo...	/ H STATION
FIXED AIDS TO NAVIGATION ( official light list name)...	/ CHERRY PT LT II
TRIANGULATION STATIONS.....	/ SMITH 1925
SUBSTITUTE STATIONS.....	/ (S. Sta.) SMITH 1925
BOUNDARIES: Refer to U.S.G.S. Bulletin 788 E for symbol, ink in purple or violet ink.	

NOTE: All recovered stations, landmarks, aids are to be picked on the photograph. The picked point should not be inked.

FIELD INSPECTION REPORT  
T-8754 (39°30 / 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 Director's 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 on this quadrangle was completed by the following personnel:

<u>Name &amp; Title</u>	<u>Field Work</u>	<u>1946 Dates</u>
James H. Dorsey Photo Aid	Vertical Control Recovery Horizontal Control Recovery Interior Inspection Fly levels Contours	28 May-3 June 23-27 May 11 June-18 Oct. 4 - 11 June 11 June - 18 Oct.
Ben O. Bryant Engr. Aid	Shoreline Inspection	June
George E. Varnadoe Photo Aid	Supervisor	28 May - 25 Oct.

1. Description of the Area:

This area has a rich and colorful history. It was one of the first areas settled in New Jersey, and at a later date played an important role in the Revolutionary War.

Approximately 1/5 of the area is water and marsh land; the remaining area is higher dry land with patches of high land marsh.

The interior area is given to truck, poultry and dairy farms along with a limited amount of lumbering, which is being carried on under a sustained yield program.

In the Salem area the manufacture of conglomerate and glass and the vegetable canning plants add to the prosperity of the community.

Geologically, the country is old with no particular drainage pattern in the flood plains, bordering the tidal zone; however in the inland portion the drainage pattern is more pronounced.



2. Completeness of Field Inspection:

Field inspection is felt to be adequate and complete except in the case of some of the small country schools. In some instances conflicting names were found and it would have delayed the work to search out the names. It was felt that any discrepancies would be cleared up most economically at the time of field edit. See Field Edit Report & list of approved Geographic Names in this Desc' Rept.

3. Interpretation of the Photographs:

Due to the recent date of the photography, March 1946, no difficulty was encountered in interpretation of the photographic details for various phases of the work.

The interior inspection was made on the 9 lens 1/20,000 scale photographs; the shoreline inspection on the single lens 1/10,000 scale photographs.

4. Horizontal Control:

Fourteen horizontal control stations were recovered. Of these thirteen were identified on the photographs either by substitute station method, swinging arcs and pricking direct.

5. Vertical Control:

Field work on the vertical control consisted of recovery and identification of existing bench marks on 9 lens photographs and establishing 4th order elevations for contouring.

Approximately 69 miles of 4th order levels were completed, by wye level methods. Elevations were carried to the nearest .01 of a foot and the maximum error of closure was 0.22 of a foot.

6. Contours and Drainage:

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

Preliminary to field work a stereoscopic examination of the photographs was made, drainage was delineated, and later relocated and drawn in the field.

7. Mean High Water Line:

Only that part of the mean high waterline requiring clarification was delineated on the photographs.

The average range of tide is 5.3 feet.

8. Mean Low Water Line:

From a field investigation it was found that the photographs were taken at the time of low water. No special attempt was made in the field to identify all the low water line.

9. Wharves and Shoreline Structures:

Adequately covered on photographs.

10. Details Offshore from High Water Line:

Adequately covered on photographs.

11. Landmarks and Aids to Navigation:

There are no fixed aids to navigation within the area and one landmark, listed on the attached form 5 67 is to be charted.

12. Hydrographic Control:

Six recoverable topographic stations were established, picked on the photographs, and described on Form #524.

There are numerous existing horizontal control stations in the area that can be used for hydrographic signals.

13. Landing Fields and Aeronautical Aids:

There is one landing field in this area, Salem Airport. It is restricted to privately owned planes, as the runways and field are not adequate to permit use of large commercial planes.

There are no Aeronautical Aids.

14. Roads:

Classified

15. Bridges:

All bridges over navigable streams in this area were inspected and necessary measurements taken with steel tape. Some discrepancies were found with the U. S. Engineer's List of Bridges. The field inspection party did not obtain the measurements for horizontal or vertical clearances for the right span on the Upper Hancock's Bridge. This measurement should be made by the Field Edit Party. Measurement obtained.



16. Buildings:

No comment necessary

17. Baundaries:


All boundaries have been delineated on the photographs in the field, except the boundary line along the city limit of the city of Salem, which is incomplete. The field edit party should consult the county Engineer at Salem to verify the city limits. He was out of town at time of field inspection. See Review Report

The legal descriptions of all boundaries will be the subject of a special report for the project.

18. Geograpnic Names:

Geographic name information was obtained during field work by the topographer. These names were incorporated in a special Geographic name report by sub-divisions by Lowell I. Bass, Engr. Aid.

Submitted  
21 October 1946



James H. Dorsey  
Photo Aid

Field Review  
21-25 October 1946



Harland R. Cravat  
Photogrammetrist

Approved  
28 October 1946



Edmund L. Jones  
Chief of Party

COMPILATION REPORT

MAP MANUSCRIPT, SURVEY NO. T-8754

T-8754 (Salem Quadrangle) is one of ten topographic surveys in Project No. PH-7(46)C located along the Delaware River. This survey is located in the vicinity of Salem, N. J. and includes also two smaller towns, Hancocks Bridge and Quinton. These surveys are to be compiled in accordance with the instructions, dated 25 March 1946 and 19 July 1946, by graphic photogrammetric methods.

26. CONTROL:

See radial plot report for layout of control in this area. A list of the stations on Form No. M-2388-12 is attached to this report.

27. RADIAL PLOT:

Refer to the report for combined radial plot for Surveys Nos. T-8751 to T-8754 inclusive, submitted to the Washington Office 21 May 1947. Filed in Division of Photogrammetry General Files.

28. DELINEATION

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

Photographs and field inspection with some exceptions, were satisfactory for delineation of the manuscript. Field inspection of marsh in the vicinity of Abbotts Meadow and Hancocks Bridge was inadequate. See descriptive report for shoreline survey T-8777.

29. SUPPLEMENTAL DATA:

Map of the City of Salem

30. MEAN HIGH WATER LINE:

No comment

31. MEAN LOW WATER LINE

No mean low water line was identified by the field party and none has been shown.

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE:

No comment



33. WHARVES AND SHORELINE STRUCTURES

No comment

34. LANDMARKS AND AIDS TO NAVIGATION

See Form No. 567 attached to the field report.  
*Copy attached to this report.*

35. HYDROGRAPHIC CONTROL:

Three photo hydro points were located. Their descriptions are lettered on the manuscript. See heading No. 12 of field report.

36. LANDING FIELDS AND AIDS TO NAVIGATION

See heading No. 13 of the field report.

37. DISCREPANCY OVERLAY

A discrepancy overlay has been prepared.

38. GEOGRAPHIC NAMES

Geographic names were taken from a final names standard dated 12-10-46 furnished by the Washington Office and from a map of the City of Salem.

39. JUNCTIONS

Junctions with Surveys Nos. T-8756 to the south and T-8753 to the west have been made and are in agreement.

Junction with Survey No. T-8752 to the north will be made when that survey is completed. Junction checked.

To the east is the project limit.

40. BRIDGES

All bridge information for the area covered by this report as listed in the U. S. Engineer's "List of Bridges Over Navigable Waters in the U.S." dated July 1, 1941 was verified in the field (with one exception at New Bridge, noted on Discrepancy overlay); 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:

*Note:-  
The District Engineer will be notified, of all bridge discrepancies located in the northern half of Project Ph-7 upon the completion of the field edit of T-8747C.*

*Oct 26, 1949 JB*



NEAREST TOWN	TYPE		SPANS		CLEAR WIDTH NORMAL TO CHANNEL						CLEAR HEIGHT ABOVE	
					LEFT		CENTER		RIGHT		HW	MHW
	LIST	FIELD	LIST	FIELD	LIST	FIELD	LIST	FIELD	LIST	FIELD	LIST	FIELD
Hancocks Bridge	SW	SW	2	2	48.1	53.0			48.1	46.3	2.5	4.0
Upper Hancocks Bridge	SW	SW	2	*	35	39.0			35	*	3.5	4.0
Quinton	SW	SW	1	1			30.7	31.0			3.18	2.0
Salem	B	B	1	1			60	60.0			5.1	7.5

\* Measurements omitted at time of field inspection.

See heading "Bridges" of the field report and "Notes to Compiler" attached to the field report.

#### 41. BOUNDARIES

See heading No. 17 of the field report. All boundaries, however, have not been identified on the field photographs and those not identified are noted on the overlay.

Legal descriptions of the following townships were not furnished:

Lower Penn's Neck  
Mannington  
Alloway  
Lower Alloway Creek  
Elsinboro

#### 42. VERTICAL CONTROL:

N.J. Control survey

Five U.S.C. & G.S. and nineteen bench marks were recovered, identified, and shown on the manuscript.

Eighteen N.J. Control Survey triangulation stations, identified on the field photographs as bench marks, were radially plotted. The radially plotted position of three of these stations did not hold their geographic position and are noted on the discrepancy overlay. They are as follows:

Mon. No. 15003, 1940  
Mon. No. 15005, 1940  
Mon. No. 15007, 1940

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

T-8754 was compared with the War Dept. Corps of Engineers, U. S. Army, Salem, N.J. - Del. quadrangle map, edition of 1941, scale 1:62,500 and found to be in good agreement with the exception of Abbots Meadow and Supawna Meadow which are shown on the quadrangle as marsh above high water and on the manuscript as grass in water below high water.

45. COMPARISON WITH NAUTICAL CHARTS:

T-8754 was compared with United States Coast and Geodetic Survey Nautical Chart No. 294, scale 1:40,000, published Sept. 1943 (10th edition) (First Edition 1895) corrected to 13 July 1946.

The following topographic information shown on T-8754 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 the 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.

Respectfully submitted:  
16 October 1947

Burt E. Rudolph  
Photogrammetric Aid  
Compilation and Compilation  
Report

Harry R. Rudolph  
Supervisor

Joseph W. Vossack  
Photogrammetric Engineer  
Photogrammetric Office Reviewer

Approved and forwarded  
17 November 1947

Thos B. Baird  
Officer in Charge  
Baltimore Photogrammetric Office

ADDENDA  
to  
DESCRIPTIVE REPORT  
for  
SURVEY NO. T-8754

39. JUNCTIONS

The junction has been made between this survey and the Army Map Service Salem N.J., - Del., 15 minute Quadrangle, scale 1:50,000, copied in 1946 from New Jersey 1:62,500 A.M.S., Sheet 5963 111, 1941.

The A.M.S. Salem Quadrangle was enlarged by use of the vertical projector to scale 1:20,000.

The junctions of all roads are in fair agreement except in the northeast corner of this survey. The contours, however, are in disagreement by varying amounts up to as much as an entire contour interval. No attempt has been made to delineate the contours beyond the project limits since there is no data available.

41. BOUNDARIES

The delineation of the boundary line between Mannington and Quinton Townships is in disagreement with the Army Map Service Salem N.J.-Del. Quadrangle from the point where the said boundary line bears northeast from Keasbey's Creek to the point where the Mannington-Quinton, Mannington-Alloway and the Quinton-Alloway Township Lines all meet.

This portion of the Mannington-Quinton Township boundary line has been delineated from the legal description of the "Division Line between Mannington and Upper Alloways Creek, 24 December 1857 - Appointment of Commissioners".

Note: - Upper Alloways Township is now known as Quinton Township.

**TO BE CHARTED  
TO BE EXCLUDED**

STRIKE OUT ONE

## LOCATING AIDS-OR LANDMARKS FOR CHARTS

Salem, New Jersey

22 July 1946

I recommend that the following objects which have (~~been~~ ~~inspected~~) been inspected from seaward to determine their value as landmarks, be charted on (deleted from) the charts indicated *Revised* *C. T. Bryant* B.O. Bryant, Engr. Aid *E. L. Jones*  
The positions given have been checked after listing by \_\_\_\_\_ Chief of Party

Chief of Party

Chief of Party:

[illegible]

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

Special Report on Legal Descriptions  
and Boundaries

Considerable difficulty has been encountered in this quadrangle in the correct delineation and Legal descriptions of the township lines. The County officials know very little about them and due to the descriptions obtainable it is evident that very little faith can be given them.

Monuments for the Quinton-Mannington township line were searched for extensively and none were found therefore no boundary has been delineated by the field edit party. It is suggested therefore that the compilers delineate this line from the description of this line and also the Army Map Service, Salem Quadrangle scale 1:50,000 which is considered to be correct by the Salem County officials.

The approximate boundary line of Salem-Elsinboro has been penciled on the discrepancy print. This was accomplished by taking what monuments could be recovered plus the accompanying description but is not to be considered completely accurate. This line can be delineated more accurately in the Compilation Office.

All of the township descriptions for Salem County are being sent with this quadrangle. The following information was obtained from Mr. J.S. Sparks who is a Research Engineer in Salem.

Boundary line between Salem-Lower Penns Neck is Salem River.	
" " " " -Mannington is Fenwick Creek	
" " " " Mannington-Upper Penns Neck Salem Creek.	
" " " " -Lower Penns Neck Salem Creek.	

There are no Legal descriptions for the above lines on record but are vouched for by Mr. Sparks

*Donald G. Flippo*  
Donald G. Flippo  
Photogrammetric Aid  
30 March 1948



NOTES  
FOR  
HYDROGRAPHIC PARTIES

DELAWARE RIVER

MAP MANUSCRIPT, SURVEY NO. T-8754

PROJECT NO. PH-7(46)

The 2½ millimeter circles, accompanied with a name and date, are the positions of the recoverable photo topographic stations. Photo hydro stations are also shown with 2½ millimeter circles, and their descriptions are lettered directly opposite.

T-8754 was compared with the United States Coast and Geodetic Survey nautical Chart No. 294, scale 1:40,000, published Sept. 1943 (10th edition) (first edition 1895) corrected to 19 July 1946.

The following topographic information shown on T-8754 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 the manuscript but are believed to still exist and should be carried forward on the chart ;

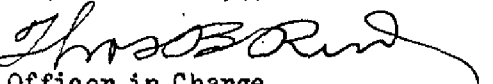
None

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

Respectfully submitted:  
16 October 1947

  
Photogrammetric Aid

Approved and forwarded  
24 November 1947

  
Officer in Charge  
Baltimore Photogrammetric Office



# GEOGRAPHIC NAMES

- Abbots Meadow ✓
- Acton ✓
- Acton Station Road ✓
- Alloway Creek (USB&N. decision) ✓
- Alloway Township ✓ " " )
- Amwellbury Road ✓
- Clancey Road ✓
- Clayville School ✓
- Cobb Island ✓
- Compromise Road ✓
- Culliers Run ✓
- Elks Terrace ✓
- Elsinboro School ✓
- Elsinboro Township ✓
- Fenwick Creek ✓
- Freas Road ✓
- Hagerville ✓
- Halls Run ✓
- Hancocks Bridge ✓
- Hancocks Bridge Quinton Road ✓
- Harmersville Pecks Corner Road ✓
- Harmony ✓
- ~~Independ School~~ • Elsinboro School No. 3. ✓
- Keasbeys Creek ✓
- Laurel Lake ✓
- Lower Alloways Creek Township (U.S.B. & N. decision) ✓
- Lower Penns Neck Township ✓
- Majors Wharf ✓
- Mannington Creek ✓
- Mannington Meadow (not remain re its position) \* ✓
- Mannington Township ✓
- Mill Street ✓
- Moores Corner ✓
- Mud Digger Ditch - ? (name removed from manuscript)
- Mud Hole Meadow ✓
- • Berrys Chapel (Abnd) ✓
- • Hook Road ✓
- • Grace U.A.M.E. Church ✓
- • State Nos. 44, 45, 49 ✓
- • Kates Creek (see 18/d item of Field Edit Report)
- Muttontown Woods ✓
- New Bridge ✓
- New Bridge Road ✓
- New Cut ✓
- Penns Neck Bridge - ? (shown as not approved in original data on manuscript)
- Pennsgrove Salem Road ✓
- Pennsylvania Reading Seashore Lines ✓
- Penton ✓
- Perry Road ✓
- Pigseye ✓ Harrisonville
- Pointers ✓
- Pointers Auburn Road ✓
- Pointers Sharptown Road ✓
- Quaker Neck Road ✓
- Quinton ✓
- Quinton Mannington Road ✓
- Quinton Remsterville Road ✓
- Quinton Township ✓
- Salem ✓
- Salem River ✓ ?
- Second Oak ✓
- Sinnickson Landing ✓
- Stony Island Meadow ✓
- Supawna Meadows (note remark re its position) \* ✓
- Swedes Run ✓
- Swedes Bridge ✓
- Swedes Bridge Road ✓
- Tillsbury ✓
- Tillsbury Road ✓
- Tattletown Jericho Road ✓
- Tide Mill ✓
- Walnut Street Extended ✓
- Welchville ✓
- Welchville Alloway Road ✓
- Woodmere ✓
- Woods Upper Mill ✓
- Wyncoop School ✓

Names preceded by  
are approved. 12/13/48  
L. Heck

\* Positions have been corrected.

K.N.M.



Field Edit Report of Map Manuscript T-8754  
Project Ph-7(46)  
R. J. Sipe, Chief of Party

The field edit of this quadrangle was accomplished during the period 12 January to 29 March 1948 by Donald G. Flippo, Photogrammetric Aid. All work was done in accordance with the field edit instructions for project Ph-7(46), dated 24 August 1945 and supplemental field instructions.

14. Roads: The roads in this quadrangle were re-classified in accordance with Amendment to Photogrammetry Instructions No. 10, dated 10-24-47.

17. Boundary Monuments and Lines: Several discrepancies were found in the location of township monuments by the field inspector's party but these have been corrected by the field edit party. A special report on boundaries and legal descriptions has been made in respect to completion of incomplete boundaries, correctness of the legal descriptions etc.

18. Geographic Names: In addition to the geographic names shown on the field edit print, the following additions and changes are recommended:

- ✓ a. Independent School changed to Elsinboro School No. 3  
*Alloway Creek Township = USBTN decision*
- ✓ b. Lower Alloway Creek and Lower Alloway Creek township has been changed to Lower Alloways Creek in both cases. *Lower Alloway Creek Township = USBTN decision*
- ✓ c. Mannington Meadow was incorrectly located.
- ✓ d. Kates Creek has been added in field inspector's location of Mannington Meadow. See Manuscript.
- ✓ e. Supawna Meadow has been incorrectly located.
- ✓ f. Town Hall School has been added.
- ✓ g. Tallberry Road has been changed to Tilbury Road.

46. Methods: All delineated features such as roads, structures, drainages, and contours were checked either visually by driving along roads or trails or by planetable method.

Delineation and some additions were made directly on the field edit print. Some additions and corrections were noted on the photographs with a reference to the photograph on the field edit sheet. A legend to the symbols and to the colored inks used during the field edit is on the field edit sheet.



47. Adequacy of the Compilation: All compiled roads and trails in the area were adequate. Several small out-buildings had been compiled but these have been deleted. Also several structures have been added

The relative position of compiled detail was found to be entirely satisfactory. With the addition of the field edit data to the Manuscript, this map will be complete and accurate.

48. Accuracy Test: One vertical accuracy test was made in this quadrangle and consisted of a profile with intermediate side shots. It is thought that this map will meet the vertical accuracy requirements.

The field edit party has made no attempt to verify the horizontal accuracy of this map.

49. Review of First Proof: The following named gentleman has expressed his willingness to review the first proof.

Mr. James S. Sparks  
Grant Street,  
Salem, New Jersey

Respectfully submitted

*Donald G. Flippo*

Donald G. Flippo  
Photogrammetric Aid  
29 March 1948

Division of Photogrammetry  
Review Report of  
Topographic Map Manuscript T-8754

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

28 Detailing

Several unfinished contours in the extreme north central area of the map manuscript were completed during review. A small amount of faulty drainage was deleted and a few streams were relocated.

41 Boundaries

The city boundary of Salem, New Jersey, furnished by the County Engineer of Salem County, New Jersey, was applied to the map manuscript.

42 Overlay

An overlay has been prepared showing the control, road classifications, boundaries and the format for quadrangles. This map will be drafted, edited and published by the U. S. Geological Survey

43 Comparison with Previous Surveys

T-155	1:20,000	1842-43
T-156	1:10,000	1843
T-1505b	1:10,000	1882

44 Comparison with Existing Topographic Quadrangles

Salem, New Jersey	U.S.G.S.	1:62,500	1886
Salem, New Jersey - Del.	U.S.E.	1:62,500	1941
Salem, New Jersey - Del.	U.S.E.	1:50,000	1946

45 Comparison with Nautical Charts

Chart No. 294 1:40,000 7/19/48

48 Accuracy Test

The results of the vertical accuracy test made in the area of the map manuscript indicate that T-8754 complies with national map accuracy standards.

51 Application to Nautical Charts

The map manuscript has been partially applied to nautical charts prior to review.

Reviewed by:

K. N. Maki  
K. N. Maki 3/17/49

Approved by:

S. V. Griffith *§*  
Chief, Review Section  
Division of Photogrammetry 10-26-49

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

J. S. Reading  
Chief, Div. of Photogrammetry

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

T-8754

Record of Work Subsequent to the Manuscript Review,  
that is, Smooth Drafting, Checking, and Printing

Manuscript forwarded to the U. S. Geological  
Survey for smooth drafting and publication.

Color proof furnished by the Geological Survey and  
examined by \_\_\_\_\_

Name

Date

Published by the Geological Survey.

## NAUTICAL CHARTS BRANCH

SURVEY NO. T-8754

### Record of Application to Charts

[illegible]

**M-2168-1**

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.