8749a bc

•	7 : F. Cht. No. 295-2 & 305
	U. S. COAST AND GEODETIC SURVEY
	DEPARTMENT OF COMMERCE
	DEPARTMENT OF COMMENCE
	DESCRIPTIVE REPORT
	Type of SurveyPHOTCOFALACET IC TOPIC COSTC
	Field No. P!-7(1.5)4 Office No. T-E'1/
	reid ivo. desirables Office Ivo
	LOCALITY
	State ParticyIV: IT! - 15" IT. CLT
	General locality DE 11116 17377
	Locality CA: DFH
-	194 °
	CHIEF OF PARTY
	8. 2 తేరణాక, భాత్రల్ ఇద్ చెక్రియ చెల్లార్లు
	T. P. Pond. Rolting in Photomismain Office
	LIBRARY & ARCHIVES
	DATE March 11,1952
	DATE ALLES AND
_	B-1870-) (i)

DATA RECORD

T = 8749 G

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

Quadrangle Name (IV):

Camden

Field Office (II): Camden, New Jersey

Chief of Party:

Edmund L. Jones

Photogrammetric Office (III): Baltimore Photo.Office Officer-in-Charge: Thos. B. Reed

Instructions dated (II) (III): 25 March 1946

Suppl. No. 1-14 June 1946

Date received in Washington Office (IV): 3-2-49

No. 2--14 June 1946

19 July 1946

Copy filed in Division of Photogrammetry (IV) Office Files

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 26 Juhe 50

Publication Scale (IV): 1:24,000

Publication date (IV):

Geographic Datum (III): N.A.1927

Vertical Datum (III): M.S.L. Mean sea level except as follows: Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum i.e., mean low water or mean lower low water

Reference Station (III): FOOT, 1933

Lat.: 39° 57' 54.669" (1686.lm) Long.: 75° 04' 28.459" (675.4m)

Plane Coordinates (IV):

Y= 412,518.74 Ft.

Y=241,530.26 Ft.

State: New Jersey Zone:

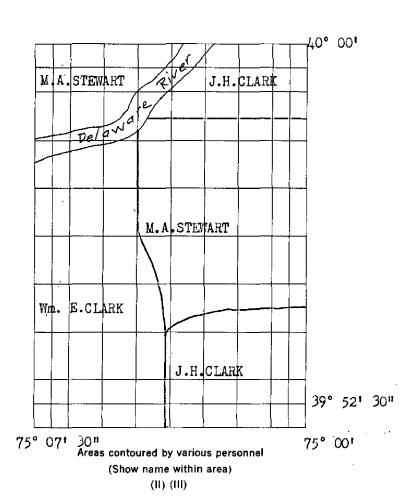
x= 1,885,661.70 Ft.

Pennsylvania , South Zone

x= 2,749,837.85 Ft

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,

When entering names of personnel on this record give the surname and initials, not initials only.



Form T-Page 2

DATA RECORD

Field Inspection by (II): $\mbox{Wm. E. Clark}$ Date 25 Sept. - 14 Nov. 1946 25 Sept.-15 Nov.1946 Matthew A. Stewart 15 Sept.-20 Sept. " James H. Clark I.Y.Fitzgerald 15 Oct. -30 Oct. " Planetable contouring by (II): Wm. Clark 14 Oct.-14 Nov. 1946 James H. Clark 23 Sept.-15 Nov. " Matthew A. Stewart 14 Oct.-8 Nov. 1946 Completion Surveys by (II):
J. Weiler Date: Feb-Mar 1949 R. Horn Mean High Water Location (III) (State date and method of location): Traced from reductions of shoreline surveys Nos. T-8749A, T-8749B, and T-8769. Date: 12-3-46 Projection and Grids ruled by (IV): T. L. J. Projection and Grids checked by (iV): $T_* L_* J_*$ Date: 12-3-46 Control plotted by (III): Date: Enola N. Cross 11-24-47 Control checked by (III): Date: Frank J. Tarcza 12-3-47 Date: Spotrok extension/by (III): Frank J. Tarcza 12-16-47 Planimetry Date: Stereoscopic Instrument compilation (III): Contours Date: Date: Manuscript delineated by (III): 12-2-48 to 2-2-49 Ruth E. Rudelph Photogrammetric Office Review by (III): Date: 2-7-49 to 2-24-49 Joseph W. Vonasek Elevations on Manuscript Date:

Form T-Page 3

checked by (II) (III):

Joseph W. Vonasek

M-2618-12(4)

2-21-49

U.S.Coast and Geodetic Survey Nine lens, focal length 84" Camera (kind or source) (III):

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
15513-15515 incl.	3-10-46	1210 EST	1:20,000	above MIW
15519-15521 "	3-10-46	1220	1:20,000	above MLW
15640-15642 "	3-21-46	1520 4	1:20,000	above MLW

Tide (III)

Philadelphia, Pa. Reference Station;

Subordinate Station: Subordinate Station:

Washington Office Review by (IV): J.L. Rihh

Final Drafting by (IV): S. U. Dean.

Drafting verified for reproduction by (IV): $\iint \mathcal{S}$

Proof Edit by (IV):

52 Land Area (Sq. Statute Miles) (III):

Shoreline (More than 200 meters to opposite shore) (III): 18 statute miles Shoreline (Less than 200 meters to opposite shore) (III): 20

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 89 Recovered:

Identified: Number of BMs searched for (II): Recovered: 22 Identified:

Number of Recoverable Photo Stations established (III): 2

Number of Temporary Photo Hydro Stations established (III): none

Remarks:

* Actual tide observations at Philadelphia, Pa. corrected to Bridesburg, Pa. to Gloucester, N.J.

M-2618-12(4)

Mean | Spring

Date: Apr. 12, 1950

Date: 6/25/5-2

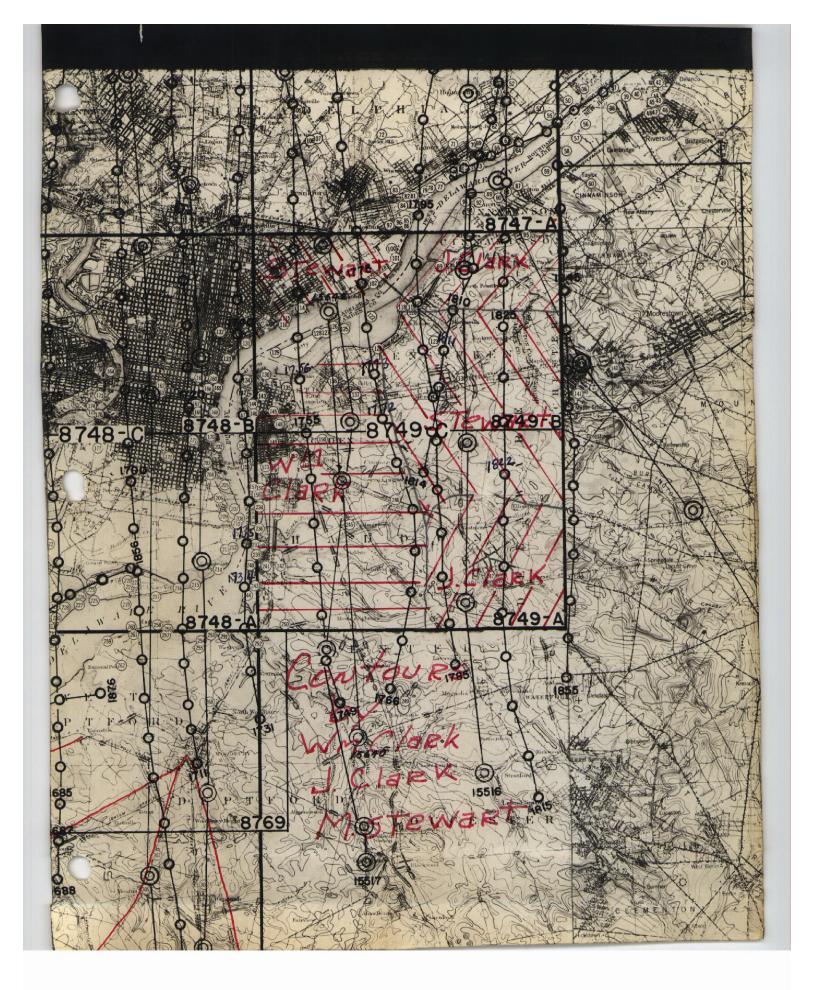
Range

Range

Ratio of Ranges

Date:

Date:



Summary to Accompany T-8749C

This map is one of a series of 18 topographic, 72-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 24 shoreline sheets at 1:10,000 scale.

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

The registered copies under T-87490 will include the original descriptive report, a cloth-mounted print of the manuscript at a scale of 1:20,000 and a cloth-mounted color print of the published map at a scale of 1:24,000.

TIELD INSPECTION REPORT T-8749 (39-52.5 / 75-00 / 7.5) Project Pn-7 (46) Sub-Project E E. L. Jones, Chief of Party

All phases of field work were completed in accordance with the Director's Instructions, Project Pn-7 (46), dated 25 March 1946, Supplemental Instructions No.1, dated 14 June 1946 and Supplemental Instructions No.2, dated 11 October 1946, except for deviations nerein noted.

The field work on this quadrangle was completed by the following personnel.

Name & Title	Field Work	1946 Dates
William E. Clark Photo Aid	Horizontal Control Recovery Vertical Control Recovery Interior Inspection Contours	25 Sept 11 Oct. 25 Sept 11 Oct. 14 Oct 14 Nov. 14 Oct 14 Nov.
James H. Clark Engineering Aid	Horizontal Control Recovery Interior Inspection Contours	15 - 20 Sept. 15 - 20 Sept. 23 Sept 15 Nov.
Matthew A. Stewart Engineering Aid	Vertical Control Recovery Fly levels Contours Interior Inspection	25 Sept 11 Oct. 25 Sept 11 Oct. 14 Oct 8 Nov. 14 Oct 15 Nov.
I. Y. Fitzgerald Pnoto Aid	Horizontal Control Recovery Snoreline Inspection	15 - 30 Oct. 15 - 30 Oct.

1. Description of the Area:

The Northern portion of the area is strategically situated on a large bend of the Delaware River, partially in Philadelphia. It is the lower link of the chain that binds the two largest industrial areas in the country, New York and Philadelphia. Naturally some of these industries have been established in this area, especially large ship yards, radio communications, food canners and packers. A thriving host of smaller, busy industries create textiles, leather goods, pens, heating systems, cork products and forgings.

In the less congested parts of the quadrangle, truck farming is the chief occupation.

2. Completeness of Field Inspection:

Field inspection is felt to be adequate and complete.

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:

89 horizontal control stations were searched for or recovered. Of these, 30 were identified on the photographs, either by substitute station method, swinging arcs, or pricking direct.

5. Vertical Control:

Field work on the vertical control consisted of recovery and identification of existing bench marks on 9-lens photographs, establishing 4th order elevations for contouring and the determination of datum difference between the City of Camden elevations and our datum.

Recovery:

22 bench marks were recovered. In the thickly populated urban areas where bench marks were close together, only the most prominent were identified on the photographs.

4th Order Leveling:

Approximately 102 miles of fly levels were run, using wye level methods; elevations computations were carried to the nearest .01 of a foot with no closures exceeding 1 foot.

Datum Difference, City of Camden:

The City of Camden had established level elevations on the curbs, at street intersections. These elevations were placed on our datum in conjunction with 4th order leveling.

Seventy Eight city curb elevations were tested and it was determined that 4.15 feet must be added to the city elevations to place them on our datum. After making this datum adjustment, the accuracy of the city elevations was found to be as follows:

Vertical Control: (Cont'd)

50	city	elevations	in	error	less	tnan	0.2	25 f e	et
SS	11	11	IŤ	tl	from	0.25	to	0.50	feet
3	11	11	11	tt	from	0.50	to	0.75	Ħ
1	n	tt	Ħ	11	from	0.75	to	1.00	н
2	II.	if	1f	tt.	from	1.00	to	1.17	Ħ

8.

The maximum error was 1.17 feet, and of the 78 elevation checks, 6 exceeded 0.50 feet of error. A second field examination of the latter six elevations was made and it was found that the curbs were badly proken or newly constructed since initial leveling. In view of close density (elevations every block) and only 03% of them had an appreciable error, They were accepted for contouring with the understanding that the contour man should be constantly on the alert for any city elevations which might be in error. For further information on accuracy of the city elevations see item No.16.

6. Contours & Drainage:

Contouring was done in the field, except in the City of Camden, on 1/20,000 scale, 9-lens photographs by planetable methods. The contour interval was 20 feet, except that the 10 foot and 30 foot contours were also surveyed.

Preliminary to field work a stereoscopic examination of the photographs was made, drainage was delineated, and later cnecked by planetable methods.

A portion of the City of Camden was contoured in the field office, using city elevations, which were located at one block intervals. A stereoscopic examination of the work was made and some contours re-shaped for better topographic expression.

Several accuracy checks were made on the office contours, using planetable traverse methods, with starting and closing points on Coast and Geodetic Survey Bench Marks. No contours were found to be in error the allowable 1/2 contour interval, and the majority of points tested were within two feet of true elevation.

Because of the pletnora or city elevations, the field party feels the office contouring is equal, to standard field accuracy and was accomplished at approximately '1/3 the normal field cost.

7. Mean High Water Line:

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

The average range of tide is 5.4 feet.

8. Low Water Line:

The field investigation, and tide data record indicates the photography was near flood stage of tide. The approximate low water line was delineated and checked by sextant fixes in the areas visited at time of low water. Along pier and dock areas the MLWL and MHWL coincide in all sections of the quad.

9. Wharves and Shoreline Structures:

Adequately covered on photographs.

10. Detail off shore from High Water Line:

Adequately covered on photographs.

11. Landmarks and Aids to Navigation:

All Landmarks and Aids to Navigation are reported on the attached forms # 567. See Review Report

12. Hydrographic Control:

One topographic station was identified on the photographs, and described on form # 524. Since there was a plethora of existing norizontal control, no additional hydrographic signal sites were selected.

13. Landing Fields and Aeronautical Aids:

Central Air Port is the only landing field in the area. It is privately owned and does not accommodate commercial aircraft. The field is equipped with hardsurfaced runways and is one of the best equipped to handle small air-craft in this part of the country. It has been delineated on the photographs.

There are no aeronautical aids.

14. Roads:

Classified.

15. Bridges: See Field Edit Report.

A field investigation of the published bridge data was made during Oct. and Nov. by H. M. White, Engineering Aid. Horizontal and vertical clearances were measured in the field with a steel tape.

All published data in the 1941 list of Bridges over Navigable Waters of the United States was found to be correct except for the following discrepancies:

1941 Bridge List Page 120
Delaware River

Pennsylvania Railroad Bridge at Delair, New Jersey Field measurement shows a vertical clearance of 51.8 ft. Listed clearance is 50.8 ft.

Pensauken Creek

1941 Bridge List Page 366
The public Service R.R. Co. Bridge has been removed and should be taken from the published list.

The Burlington County bridge 1.87 miles from the mouth has been removed and should not be listed.

Bridges on Pensauken Creek should be listed as follows: 1.0 mile above mouth-at Palmyra, Pennsylvania. Railroad Bridge: 3 spans fixed.

Hor.cl. 23.0 Center span West span Hor.cl. 23.0 320 ft. 33.0 ft. Ver.cl. 10.7 ft.above M.H.W.

River Road Hwy. Bridge at Palmyra 1.1 miles above mouth: 3 span fixed bridge.

Hor. cl. 35.0 ft. 45.0 ft. 36.0 ft. Ver. cl. 7.3 ft. 8.5 ft. 7.3 ft.

Route 41 Hwy. Bridge, Palmyra, 1.4 miles above the mouth is a one span fixed bridge. Clearances: Horizontal 88.0 ft. Vertical 7.2 ft.

Route 25 Hwy. Bridge, Final Points, 2.5 miles above the mouth is a one span fixed Bridge.

Clearances: Horizontal 64.0 ft.

Vertical 12.0 ft.

Fork Landing Road Bridge, Five points, 3.0 miles above the mouth is a one span fixed bridge.

Clearances: Horizontal 49.0 ft.

Vertical 3.9 ft.

Over the South Branch of Pensauken Creek: Route 41 Hwy. Bridge, Five points, 3.0 miles above mouth is a one span fixed bridge.

Clearances: Horizontal 58.0 ft.

Vertical 3.8 ft.

.

Newton Creek

1941 Bridge List Page 324

The railroad and highway bridges, Camden-Gloucester 6.2. mile above the mouth, of the New York Shipbuilding Corp. are the same type and have the same clearances. Both are single span fixed bridges: Clearances: Horizontal 20.0 ft.

Vertical 6.0 ft. above M.H.W.

The highway bridge, Broadway, Camden and Gloucester 0.3 mile above mouth is a 2 span fixed bridge. Clearances:Horizontal: North span 52.7 ft. South span 51.2 ft. Vertical 5.4 above M.H.W.

The Pennsylvania Rail Road bridge, Camden-Gloucester, 0.4 mile above mouth is a trestle bridge with 16 trestles with a horizontal clearance of 10.0 ft. between treatles. Vertical clearance 1.6 ft. above M.H.W.

The bridges above this were not measured in the field as there is not sufficient clearance on the above bridge.

Cooper River

1941 Bridge List Page 104

The following discrepancies were noted:
The bridge listed at Entrance Road should be:
Admiral Wilson Boulvard, single span bascule
type. Horizontal clearance: 68.0 ft.
Vertical clearance: 3.7 ft.

The highway bridge on Browning Road at Collings-wood has been removed.

16. Buildings:

No comment necessary.

17. Boundaries:

Boundaries were identified on the photographs. in the field. Legal descriptions for the boundaries will be furnished as a special report. Filed in Div. of Photographmetry

18. Geographic Names:

Geographic name information was obtained during field work by the topographer. These names were incorporated in a special Geographic name report by Lowell I. Bass, Engineering Aid. Filed in Geographic Name Section, Div. of Charts.

Submitted 15 Nov. 1946

Wm. E. Clark Photo Aid

Approved 20 Nov. 1946

Edmund L. Jones Chief of Party

By Harland R. Cravat Photogrammetrist

Supplement to Completeness of Interior Inspection:

The interior inspection was not completed in accordance the project instructions. The interior inspection was completed at the time of, and in conjunction with contouring, on 9-lens photographs. To complete the interior inspection on single lens photographs would have entailed the work of an additional party.

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUE)E OR y-(DE OR x-	LATITUDE OR V-COORDINATE LONGITUDE OR x-COORDINATE	OM GR	DATUM		N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS	DISTA PROJE ETERS
	Acc.No.	N.A.	39	59	20.142	CONTRACT (BACK)		621.2	(BAUN)	FORWARD (BACK)
HILL, ECCENTRIC, 1933	,19334-1004 P.68	1927	75	8	34.112			809.3	614.2	
9861	U.S.E.D.		39	59	19:340			596.5	1254.0	
	FHILA. DISTR.	z	75	8	34.439			817.1	4.909	•
Π.	Acc. No.	=	39	25	19,906	Destroyed 1946		613.9	1236.6	
1933 monto jornon	Pg.96		F	750	-519.65			1414.4	9.1	
阳	Acc.No.	=	39	59	41.222	11/4		1271.4	579.1	
1933	F.96		75	70	07,122			169.0	1254.4	
100 t	Acc. No.	=	39	58	57.247			1765 6	6.78	197
1727	Pg. 143		75	70	27.284			647.4	776.2	17 Marie 7
	Acc. No.		39	59	05.605		j	172.9	1677.6	
AL, 1933	G-1751 8 97	=	75	95	13.987			331.9	1091.7	
			39	58	45.989			14.18.4	432.1	
CO.TANK" (USE) 1925	Pg. 148	2	75	05	41.321			980.3	71/3350	
	Acc.No.		39	58	48.564			1497.8	352.7	
FLAGPOLE, 1933	P. 97	:	75	90	08.500			201.7	1222.0	
	Acc. No. G-1751		39	28	36.578			1128.1	722.4	
	26 -2	=	75	8	24.590			583.5	840.2	
	G-1969	=	39	28	26.853			828.2	1022.3	
IMNEY, 1925	F.140		75	90	47.250			1121.2	302.6	
COAL, 1925	Acc. No.		39	58	15.459			8.924	1373.7	
	P. 142	=	75	90	48.979			1162.3	261.5	
CRAMPS, 1925	Acc.No.	=	33	58	07.474			230.5	1620.0	
	P. 142		75	0	08.566			203 3	3 0001	

STATION	SOURCE OF INFORMATION	_	LATITUE	LATITUDE OR V-COORI	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD	DATUM	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION L IN METERS	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
FISHER POINT RANGE		1927	39	58	39.781			1226.9	623.6	
LIGHT,	361		75	3	12,052			286.0	1137.7	
FISHER POINT RANGE REAR LICHT	=		39	58	43.230		,	1333.3	517.2	
1935	B		75	03	44.936			1066,3	357.4	
TANK, 1925	6961		39	56	40,223			1240.6	6.609	
			75	63	56,207			1333.7	90.0	
CONTAINER CO.,	-1751		39	58	37,817			1166.4	684.1	
STACK, 1933	97		75	03	56:339			1336.9	6.98	
YENSAUKEN, MERCHANIT	1941-	,- 	39	57	57.434			7.771	79.1	
WA TER COMMISSION 193	2000		75	63	07.745			183.8	1240.2	
FOOT. 1933	-1664		39	57	24.669		-	1,686.1	164.4	
1-22	89		75	70	28.459			675.4	748.6	
/ RAIL, 1925	-1969		39	58	14.835			457.5	1393.0	
	142		75	05	23.019			546.3	877.6	
PETTY ISLAND, CREM	196		39		11.72	Destroyed 1946		361.8	1488.7	
TANK, 1925	82		12	\$0	33.646			1273.1	150.8	
WITH PIET, 1995	496T-		#	94	12.016	Pestrayed 1946		370.6	1479.9	
	745		75	93	04.672	9		110.9	1313.0	
CAMDEN R.K.CO.,	-1751		39	57	26.76			825.3	1025.2	
77/7	- I		75	07	22.00			522.2	902.0	
COOPER POINT TANK	1	•	39	57	26.285			810.7	1039.8	
שניי יויב יויב יויבטיי	141		75	02	23.097			584.2	875.9	
CAMDEN, HIGHLAND WORSTED MILLS,	-1969		39	23	07.503			231.4	1619.r	
CHIMNEY, (USE) 1925	271		75	Ş	466.TT			8.960	1.27.1	

STATION	SOURCE OF INFORMATION		LATITUDE	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	RDINATE	DISTANCE FR	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS.	DATUM	N.A. 193	N.A. 1927 - DATUM DISTÂNCE FROM GRID OR PROJECTION LINE	FACTOR DISTANCE FROM GRID OR PROJECTION LINE
4	CUNDEX)	1927				FORWARD	(BACK)		FORWARD	(BACK)	FORWARD (BACK)
IA, HIGH STAND		l	39	11. 73	1.469				353.7	1496.8	
725	1969		75 C	05 33	3.634	- 			798.4	625.B	
, NEW JERSEY	1751	~	39 6	57 02	160.0				4, 5	1786.0	
WATER CO.STANDPIPE	66				5,311				126.1.	1298.2	
MERCHANTVILLE, E.S.	- O	,	39 5	57 10.	.623	!			327.6	1522.9	
PERKINS, 893 ICE PLANT STACK 1933 ICE PLANT			75 C	02 26	5.802				636.2	788.0	
MERCHÁNTVILLE LARGÉR MINICIPAL STAMPIPE			39 5	57 01	.185				36.5	1314.0	
	= 7	-	75 C	03 01	.026	• ,		<u> </u>	24.4	1399.9	
CALDEN, NORTH BAP- ()	1969		39 5	56 56.	.275				1735.6	114.9	
1151 UNURCH, DOME,	147		75. 0	07 20	20.727				492.0	932.3	
EN COURTHOUSE	0901-			56 40.	.555				1250.8	599.7	
A	. I		7 5 0	07 11	.029				261.8	1162.6	
NEW JERSEY G.C.S. NOMPREW 3041	S. C. S. C.		365	325,039.03		5039.03	(4960.97)		1535.9	1512.1	
TOCC INCLUDIO	DEN CO.		1,891	891,925.49		1925.49	(8074.51)		586.9	2461.1	
CAMBEN, HIGH SCHOOL SOUARE TOWER, CENTER	1671	1.	39 5	56 06	.924				213.6	1636.9	
	P1		75 0	05 55.	.785				1324.5	1001	
CAMDEN, ST. JOSEPH'S	-1751		39 5	55 48	3,641				1500.2	350.3	
CREEN DOME, 1933	101		75 0	37.	.441				0.688	535.7	
CAMDEN PUMPING STA-	-1751	h.	39 5	55 40.	.446				1247.4	603.1	
STANDPIPE, 1933	101		75 . 0	12 90	.270				505.1	919.7	
JEN, CROFT'S CHIM		L	39 5	55 11	381				351.0	1499.5	
1	971,6947-		75 0	07 17	.265				0.014	1014.9	
HURCH SQUARE	17,51	J_	39	56 06	5.480				199.9	1650.6	
SPIRE WITH CROSS, 1933	[75	07 08	3.480				201.3	1223.3	

STATION	SOURCE OF INFORMATION	DATCM	LATITUE	DE OR V.C	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET.	ET. DATUM		N.A. 1927 - DATUM ESTANCE FROM GRID OR PROJECTION LINE	FACTOR DISTANCE FROM GRID OR PROJECTION LINE
A N	Acdwerd No PE	1927		i		FORWARD (BACK)				FORWARD (BACK)
1	G-1751		33	54	44.365			1368.3	482.2	
GATERUTANK, 1893	101	•	75	20				333.5	1091.6	
GLOUCESTER, ST.	-1751		39	.53	47.482			1464.4	386.1	
MARY'S CHURCH, SPIR 1933	E, 103	•	75	20	17.742			421.5	1003.9	
GLOUCESTER, MUNICI-	נשנו		39	53	48.125			1484.3	366.2	
IAL CIANDETERITA	66 77 -		75	90	59.152			1405.3	20.1	
COLLINGSWOOD, LETTERED MATER	-1751	.——.J.	39	54	28.231			870.7	979.8	
TANK, 1933	102		75	9	13.067			310.4	1114.8	
	-1751	1	39	54	55.358			1707.4	143.1	
PIPE, 1933	102		75	70	09.854			234.0	0.1911	
HADDONFIELD, BLACK	7		39	53	30.561			942.6	6.706	
SIANDFIFE, 1722			75	10	50.413			1197.7	227.8	
JERSEY MATER CO. MOST	3ST 104		39	53	13.518			416.9	1433.6	
EASTERLY STANDREPE, 93	m		75	03	00.318		-	7.6	0.8141	
BROOKLAWN, MUNICIP	-1751	_ <u>l</u>	39	52	42.028			1296.2	554.3	
1933	104		75	90	52.511			1247.8	178.0	
	÷1751	\	39	59	13,105			404.2	1446.3	
WINER GOLD CROSS E	7.6		75	90	20.834			6.464	929.2	
CAMDEN, EAVANBON &	-1969	1	39	55	34.595			1067.0	783.5	
TENET (USE) 1925	145	_	75	07	24.134			573.0	851.7	
	NJGCS	,	386,	,831.47		6,831.47 3,168.53	6	2082.2	965.8	
3920	COUNTY		1,886	1,886,828.3	51	6,828.35 3,171.65	π	2081.3	2.996	
SS MONIMENT 905.			382	382,627.41		2,627.41 7,372,59	. 65	800.8	2247.2	
	=		1,89(1,890,270,68	58	270.68 9.729.32	32	82.5	2965.5	

MAP T- 87490		PROJEC	PROJECT NO. PH-7(46)E	SCALE OF MAP 1:2	1:20,000	SC/	SCALE FACTOR	R None
STATION	SOURCE OF INFORMATION (INDEX)	DATUM N.A. 1927	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM	N.A. 192 DIST FROM GRID OR IN M FORWARD	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)
(C)	NJGCS		388,838.89	8,838.89 1161.11		2694.1	353.9	
MUNUMENT 2922	CANDEN		1,898,626.74	8,626.74 1373.26		2629.4	418.6	
USC&GS & SS MONU-	:	! -	386,936.48	6,936,48 3063,52	i	2114.2	933.8	
MENT 4002, 1935	=	-	1,877,724.20	7,724.20 2275.80	i }	2354.3	693.7	
N.J. GCS MONUMENT	=		392,972.3	2,972.3 7027.7		0.906	2142.0	
07213 1730			1,891,720.6	1,720.6 8,279.4		524.4	2523.6	
N.J. GCS MONUMENT	•		418,671.02	8,671.02 1,328.98		2642.9	405.1	
6951, 1940	=		1,900,703.12	703.12 9,296.88		214.3	2833.7	
N.J. GCS MONUMENT			405,658.24	5,658.24 4,341.76		1724.6	1323.4	
6958, 1938	=		1,898,531.36	8,531.36 1468.64		2600.4	447.6	
N.J. GCS MONUMENT	E		399,640.96	9,640.96 359.04		2938.6	109.4	
			1,897,490.09	7,490.09 2,509.91		2283.0	765.0	
N.J. GCS MONUMENT	:		385,875.22	5,875.22 4,124,78		1790.8	1257.2	
6972, 1938	=		1,900,299.09	299.09 9,700.91		91.2	2956.8	
N.J. GCS MONUMENT			409,130.28	9,130.28 869.72		2782.9	265.1	
9915, 1939	-		1,880,089.03	89.03 9,910.97		27.1	3020.9	
N.J. GCS MONUMENT		L	411,987,50	1,987,50 8.012.50		605.8	2442.2	
9616, 1939	=		1,885,980.92	5,980.92 4,019.08		1823.0	1225.0	
N.J.GCS MONUMENT			412,880.76	2,880,76 7119.24		878.1	2169.9	
9920, 1939	=		1,887,493.21	7.493.21 2506.79		2283.9	764.1	
N. J. GCS MONUMENT	-		409,145.98	9,145.98 854.02		2787.7	260.3	
12966, 1940	=	ı	1,890,220:81	220.81 9779.19		67.3	2980.7	
N.J. GCS MONU-	:		401,595.47	1,595.47 8404:53		486.3	2561.7	
MDNT 12973,1940	=		1,887,832.36	7,832.36 2167.64		2387.3	6,099	
COMPUTED BY. TRUTH M. Whitson	.Whitson	DA:	DATE November 7, 1947	<u> </u>	dolph	ŀ	оате13№	DATE 13 November 1947

STATION	SOURCE OF INFORMATION	DATCM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS	DATUM	N.A. 1927 - D DISTANCE FROM GRID OR PROJE JIN METERS	ATUM	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
	(INDEX)	1927		FORWARD (BACK)		FORWARD	_	FORWARD (BACK)
SUB STATION			-3957-	Not a @ Str.		1700.5	150.0	de la companya de la
FOOT			75-04	,	,	655.1	768.9	
SUB-STATION-			_3958	ונ ונ וז נו		228.3	1622.2	
CHAMPS			75 07			207.3	1 216.6	
PT.N.	NJGCS		380,000 +			2072.4	(975.6)	
MON. No. 902	COUNTY		1,880,000			2090,4	(957.6)	
SUB.PT. NJGCS			380,000 +			. 797.1	(2250.9)	
MON. No. 905	2 :		1,890,000 +			. 6:601	(2938.1)	
SUB.PT. NJGCS			+ 000,000		`	2842.3	(205.7)	
	2		1,900,000 +			3001.1	(6.97)	
SUB.PT. NJGCS			+ 000,007			1725.0	(1323.0)	
MON. No. 6958	+	,	1,890,000 +			2641.0	(407.0)	
SUB.PT. NJGCS	•		380,000 #			1819.9	(1228.1)	
MON. No. 6972	±		1,900,000 +			83.1	(2964.9	. (
	=		419,369.41	9,369.41 630.59		2855.8	192,2	
MON. 9925, 1939			1,892,540.86	2,640,86 7,359.14		804.9	7542°T	
2 CO. 1 Total Co. 20	Acc.No. G-1664	1	39 56 41.048			1266.0	584.5	
CAMDEN, 1922	Pg. 69		75 07 13.614	*		323.2	1101.2	
NJOCS NOMINGENIE 2063	NJ		389,964.22	9,964.22 35.78		3037.1	10.9	
EN L	camden co		1500,281.80	281.80 9,718.20		85.9	2962.1	
NJGCS	=		393,703,36	3,703.36 6,296.64		1128.8	1919.2	
			1903,438,39	3,438.39 6,561.61		1048.0	2000.0	
NJGCS MONUMENT 12963	=		4.06,435.73	6,435.73 3,564.27		1961.6	1086.4	
	:		1887,723.17	7.723.17 2,276.83		2354.0	0-769	

MAP T-8749C			PROJECT NO. PH-7(46)E	SOMLE OF MAP 1:20,000	000	SC/	SCALE FACTOR	JR 1.000
STATION	SOURCE OF INFORMATION (INDEX)	DATUM N.A.	LATITUDE OR V-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS	DATUM	N.A. 192 DIS' FROM GRID OR	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE	DISTA PROJE
N.J.G.C.S.	N.J.GCS	7.00	414.242.99	4.242.99 5.757.01		1293.3	(BACK)	FORWARD (BACK)
MONUMENT 6953, 1938	COUNTY		1899,960.21			3035.9	12.1	
N.J.G.C.S.	:		419,197.70	100		2803.50		
1939	=		1901,394.78	1,394.78 8605.22		425.1	2622.9	
N.J.G.C.S.	:		395,748.77	5,748.77 4251.23		1752.2	1295.8	
1938	=		1896,780.70	6,780,70 3219,30		2066.8	981.2	
N.J.G.C.S.			402,622.77	2,622.77 7377.23		799.4	2248.6	To the second se
1938 1930 1938	==		1897,980.07	7,980.07 2019.93		2432.3	615.7	
N.J.G.C.S. MONIMENT 6959			404,106.65	4,106.65 5893.34	-	1251.7	1796.3	
1938	"		1898,261.75	8,261.75 1738.25		2518.2	529.8	
N.J.G.C.S.	=	1	407,948.14	7,948.14 2051.86		2422.6	625.4	-
MONUMENT 6956, 1938			1898,927,26	8,927.26 1072.74		2721.0	327.0	
N.J.G.C.S.			414,327.08	4,327.08 5,672.9	92	1318.9	1729.1	
1940	=		1894,238.92	4,238.92 5,761.08		1292.0	1756.0	
N.J.G.C.S.	-		411,067.65	1,067.65 8,932.35		325.4	2722.6	
MONUMENT 12968,	=		1,891,849.72	1,849.72 8,150.28		563.8	2484.2	
N.J.G.C.S.			416,704.08	6,704.08 3,295.92		2043.4	1004.6	
MONUMENT 9922 1939	=		1,890,201.05	201.05 9,798.95		61.3	2986.7	
N.J.G.C.S.	•	1	411,367.23	1,367.23 8,632.77		416.7	2631.3	
MONUMENT 9918,1939	=		1,883,296.71	3,296.71 6703.29	:	1004.8	2043.2	
N.J.G.C.S. MONIDIENT 9913 1939	=		406,664,79	6,664,79 3,335.21		2031.4	1016.6	
			1878,175.34	8175.34 1824.66		2491.8	556.2	
N.J.G.C.S.	:		423,866,59	3,866,59 6139.41		1178.5	1869.5	
MOIN OM ENT 952	=		1897,312.59	7312.59 2687.41		2228.9	819.1	
1 FT. = 3048006 METER COMPUTED BY. R.E. Rudolph	dolph	DA1	DATE 2 December 1948	CHECKED BY. H.R.R.	H.R.Rudolph		m .	December 1948 M.2388.12
		-		_				1

DISTANCE FROM GRID OR PROJECTION LINE FROM GRID OR PROJECTION LINE IN METERS SCALE FACTOR 1.000 FORWARD (BACK) 1134.9 2391.8 N.A. 1927 - DATUM 1277.3 1345.2 2592.0 1292.4 1589.0 2392.4 163.0 9.656 FORWARD 726.0 655.6 1755.6 2885.0 14.59 .C 2088.4 1702.8 1770.7 1913.1 656.2 DATUM SCALE OF MAP 1:20,000 OR PROJECTION LINE IN METERS DISTANCE FROM GRID IN FEET. 5213.36 4413.26 8504.08 4240.15 3723.45 4190.71 3148.33 7846.97 7849104 534.91 (BACK) 2153.03 5586.74 5809.29 1495.92 6276.55 2150,96 5759.85 4786.64 6851.67 60.5946 FORWARD PROJECT NO. PH-7(46)E LONGITUDE OR x - COORDINATE LATITUDE OR y-COORDINATE 395,586.74 1881,495.92 402,150.96 1895,759.85 389,465.09 1884,786.64 415,809.29 1896,276.55 396,851.67 1882,153.03 SOURCE OF DATUM N.A. 1927 J.G.C.\$ (INDEX) amden Ξ = N.J.G.C.S.MONUMENT 954, 1935 N.J.G.C.S.MONUMENT 4000, 1935 MAP T- 87490 N.J.G.C.S.MONUMENT MONUMENT 1074 STATION MONUMENT 935 N. J.G.C.S. N. J.G.C.S. 901, 1934

(BACK)

M-2388-13 рате 3 Дес. 1948 CHECKED BY. H. H. Rudolph DATE 2 Dec. 1948

сомритер ву. В.Е. Лисо гра

1 FT. = 3048006 METER

COMPILATION REPORT

MAP MANUSCRIPT, SURVEY NO. T-8749-C

T-8749C (Camden quadrangle) is one of four topographic manuscripts in Project NO. PH=7(46)E located along the Delaware River. These surveys are to be compiled in accordance with the instructions dated 25 March 1946, 19 July 1946 by graphic photogrammetric methods.

26. CONTROL

See layout of control submitted to the Washington Office 15 January 1948 with the radial plot report. A list of stations on Form No. M-2388-12 is included in this report. Six additional N.J. G.C.S. monuments shown on shoreline surveys T-8749A and T-8749B by the Washington Office were plotted on the manuscript after the radial plot was run. In addition, fourteen N.J.G.C.S. Monuments, identified as vertical control only were also plotted on the manuscript.

27. RADIAL PLOT

Refer to radial plot report for Surveys No. T-8747 to T-8750 inclusive, which was submitted to the Washington Office 15 January 1948.

Filed in Div. of Photogrammetry General Files.

N.J.G.C.S. MONUMENT 3955, 1937 - Pricked direct - pricking positive. The sketch on control station identification form No. M-2226-12 and position identified on the field photograph for this station agrees with the sketch by the New Jersey Geodetic Control Survey for MONUMENT 3956. Station was not used in the radial plot.

N.J.G.C.S. MONUMENT 6951, 1940 - Pricked direct - positive. Field photograph not available for use in the compilation office. Pricked on office photograph from Form No. M-2226-12, Control Station Identification. Did not hold in the radial plot. Radially plotted position falls 0.5 mm west of the geographic position.

28. DELINEATION

The compilation is in accordance with the written instructions pertaining to Project No. PH-7(46) dated 19 July 1945 and Photogrammetry Instructions No. 17 dated 15 September 1947. Filed in Div Photogrammetry office Files.

Shoreline and adjacent detail were traced directly from the reductions of shoreline manuscripts covering the area. These shoreline surveys were T-8749-A, T-8749-B, and T-8769.

28. DELINEATION (Continued)

The interior was delineated from nine lens photographs supplemented with field inspection data. No difficulties were encountered.

Road classifications were converted in the compilation office to agree with Photogrammetry Instructions No. 10, dated 4-14-47.

29. SUPPLEMENTAL DATA

- 1. Street map of Philadelphia and vicinity published by the Philadelphia Transit Company January 1947.
 - 2. Zoning map of the borough of Haddonfield January 1945
 - 3. Street map of Gloucester
 - 4. Map of the borough of Brooklawn
 - 5. Map of West Collingswood Ext. June 30, 1939
 - 6. Blueprint of Haddon Township March 1928
 - 7. Road map of Camden County 1941
 - 8. Blueprint of road map of Camden County Edition 1943
 - 9. Base map of Camden County 1939
 - 10. Map of the City of Camden and vicinity.
 - ll. Blueprints of Pennsylvania Railroad, Philadelphia Terminal...
 Division
 - a. Delaware Avenue Branch R/W and Track Map V-1.012 S.T. 1
 - b. Connecting Railroad, Kensington and Tacony Branch V-1.02
 - c. Delaware River Railroad and Bridge Co.R/W and Track Map V-1.0
 - d. Philadelphia and Reading Railway Co. Delaware Avenue Branch
 V-1012JA
 2
 - 12. Blueprints of Reading Company
 - a. Camden, New Jersey, scale 1"=600' P-7031
 - b. Port Richmond Yard, Fifth Street to Richmond Street
 - c. Port Richmond Yard, Richmond Street to piers, scale 1"=400' P-6345
 - 13. Map of Maple Shade Township Burlington Co. N.J. Revised to June 1942.

30. MEAN HIGH WATER LINE

All the mean high water line was traced from the reductions of shoreline surveys T-8749A, T-8749B, and T-8769.

31. MEAN LOW WATER LINE

No comment.

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE

No comment

33. WHARVES AND SHORELINE STRUCTURES

No comment.

34. LANDMARKS AND AIDS TO NAVIGATION

Seven (7) existing landmarks, one new landmark, and two (2) aids to navigation were located for charting. One landmark is recommended for deletion.

All landmarks and aids to navigation are reported on Form No. 567, attached to the field report for this survey.

HYDROGRAPHIC CONTROL

None shown.

36. LANDING FIELDS AND AERONAUTICAL AIDS

See field report for information pertaining to Central Airport which is the only airport within the area.

37. GEOGRAPHIC NAMES

Geographic names were taken from a final names standard furnished by the Washington Office. A list of names is attached to this report.

West Merchantville, City Line, and Stockton have not been shown on the manuscript because their locations are not positive. A note has been shown on the discrepancy overlay requesting that these locations be checked during field edit.

38. JUNCTIONS

Junctions with Surveys No. T-8748C to the west and with T-8747C to the north have been made and are in agreement.

There are no contemporary surveys to the east and south.

38. JUNCTIONS (Continued)

Junction with U. S. Army Engineers Philadelphia, Pa.-N.J. quadrangle to the south, scale 1:62,500, published in 1942 and with Mount Holly, N.J. quadrangle, to the east, scale 1:62,500, published in 1943 was attempted by use of the vertical projector and found to be impracticable.

The planimetry along the edge junctioning with these quadrangles has been compiled 1/2 inch beyond the neat line. The contours shown on the quadrangles were surveyed by the Geological Survey of N.J., City of Philadelphia, in 1894, and since the field party did not contour on the photographs beyond the project limits, it was not possible to delineate 1/2 inch beyond the neat edge. It is recommended that the junction with these quadrangles be checked by the field edit party.

39. BOUNDARIES

Boundaries were taken from Base Map of Camden County 1941, excepting where information of a later date showed a difference in location. In these cases, the later information was accepted. Refer also to the field report attached to this report.

40. BRIDGES

Refer to the field report for list of bridge discrepancies.

See also the descriptive reports for Shoreline Surveys Nos. T-8749A, T-8749B and T-8769.

41. DISCREPANCY OVERLAY

A discrepancy overlay has been prepared and is being submitted with this manuscript.

42. VERTICAL CONTROL

Three bench marks and twenty-two N.J.G.C.S. Monuments (identified as vertical control but which are also triangulation stations) have been shown on the manuscript.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

Survey No. T-8749A has been compared with the U. S. Army, Corps of Engineers, Philadelphia quadrangle, scale 1:62,500, edition of 1943. Minute comparison was not made because of the great difference in scale between the two surveys. However, they appear to be, in general, in fair agreement. See descriptive report for T-8749A.

45. COMPARISON WITH NAUTICAL CHARTS

Refer to the descriptive reports for T-8749A and T-8749B.

Respectfully submitted 7 February 1949

Photogrammetrist

Supervisor

Engineering Draftsman Compilation and Descriptive Report

Photogrammetric Engineer Compilation Office Reviewer

Approved and forwarded 2 March 1949

Officer in Charge

Baltimore Photogrammetric Office



FIELD EDIT REPORT QUADRANGLE T-8749 C (3952.5/7500/7.5) DELAWARE RIVER-Camden, N. J. PROJECT PH-7 (46) E. R. McCarthy, Chief of Party

The field edit survey of this quadrangle was made by Mr John Weiler and Mr Robert Horn, Photogrammetrists, from 23 February 1949 to 18 March 1949, in accordance with The Director's Field Edit Instructions dated 24 August 1945 and supplementary instructions.

46. METHODS

The field edit man rode in a truck over sufficient roads, and walked the shoreline necessary, to enable him to view all details within the limits of the quadrangle. Geographic Names and Boundaries were checked with local residents, at the Camden City Hall, Township Courthouses, and in interviews with several private engineers.

6. CONTOURS AND DRAINAGE

A few corrections in both contours and drainage have been indicated on the map manuscript. In general, the pattern of contours and drainage appears adequate.

7. MEAN HIGH WATER LINE

Some alterations of the mHWL were necessary on the manuscript due to the construction of dikes and bulkheads along the north shore of the Delaware miver.

13. LANDING FIELDS AND AERONAUTICAL AIDS

A radio tower, WJMJ, has been located graphically near Delair Junction which may be used as an aeronautical aid. It is painted red and white and illuminated by obstruction lights at night. A radio tower, WKDN, with similar features, was cut in by planetable north of Fairview. Forms 567 and 524 are submitted on same. See Revew Report.

15. BRIDGES

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 July 1, 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 reported to the Local Disrtict Engineer:

COOPER RIVER, NEW JERSEY

State Street, Camden

Bridge Book ---- 49'(left) --- 49'(right)
U.S.C.&G.S. ---- 47' " --- 20' "

North River Avenue, Camden pridge Book ---- 35'(left) --- 35'(right) U.S.C.&G.S. ---- 34' " --- 37' "

Baird Avenue, Camden
Bridge book ---- 39'(left) --- 39'(right) -- 7.9'(ver-HW)
U.S.C.&G.S. ---- 42.6' " --- 42.6' " -- 12.0' "

Kaighn Avenue, Camden pridge book ---- 64'(left) --- 64'(right) U.S.C.&G.S. ---- 26' " --- 60' "

DELAWARE RIVER

Delair, New Jersey

Bridge Book ---- 122'(left) --- 124'(right)-- 50.8'(vert.

U.S.C.&G.S. ---- 120.2' " --- 122' " -- 48.3 " HW)

PENNSAUKEN CREEK, NEW JERSEY

Palmyra (Penna. K.R.)
Bridge Book ---- 50'(center span)
U.S.C.&G.S. ---- 38'

Not listed in bridge book...

1.2 - Palmyra - Hwy - Fixed - 3 span - 42.0'(L) - 43.0'(C) - 38.0'(R) - Vertical(HW) 7.3'(L) - 8.5'(C) - 7.3'(R)

PENNSAUKEN CREEK (SOUTH BRANCH), NEW JERSEY

Five Points
Bridge Book ---- 60'(center span)
U.S.C.&G.S. ---- 62'

LITTLE TIMBER CREEK, NEW JERSEY

Rt. # 6, Gloucester

bridge Book ---- 30'(both spans)
U. S. C.& G. S. - 28.5'

NEWTON CREEK, NEW JERSEY

Gloucester-Camden, proadway, M.J.S.H.D.

- √ Bridge pook --- Bascule, one span, 50' horiz. cl.
 U.S.C.&G.S. --- Fixed, two span, 51.2'(L), 52.4'(R)
- Gloucester-Camden, Broadway, Penna. R.R.

 Bridge Book --- Fixed, one span
 U.S.C.&G.S. --- Fixed, trestle, 16 span, 10' horizontal
 clearance between each

17. BOUNDARY MONUMENTS AND LINES

Several corrections and additions of boundary lines have been indicated on the manuscript with appropriate notes for demineation.

18. Geographic Names

The predominent local usage is "BACK CHANNEL" when reference is made to the body of water between Camden and Petty Island. PENNYPACKER PARK, adjacent to Cooper River, has been added to the field edit sheet.

47. ADEQUACY OF COMPILATION

In general the compilation appears to be very good. The minor corrections and additions necessary are indicated on the sheet.

48. VERTICAL ACCURACY TEST

One vertical accuracy test was made in the northeast sector of the quadrangle, the results of which are as follows:

- 47 Points tested
- 44 Of points tested were within ½ contour interval
- 3 of points tested were in error more than ½ contour interval 93.6% of all points tested were within the allowable limits of accuracy.

Vertical Closure - 0.6!

49. Keviews

The southern half of the manuscript was reviewed by Mr William H. Baum, Gloucester Engineer for fifteen years, and by various other borough officials in the area. The northern half was

reviewed by Mr Benjamin A. Sleeper, Surveyor General of Western New Jersey, and by other county officials. They found no errors in the corrected manuscript.

John D. Weiler Photogrammetrist

Robert A. Horn Robert A. Horn Photogrammetrist

292	945
Form 4	April 1

DEPARTMENT OF COMMERCE

U. S. COAST AN SEODETIC SURVEY

NONFLOATING AIDS DECEMBER FOR CHARTS

STRIKE OUT ONE

TO BE CHARTED

October 11

7-87496

been inspected from seaward to determine their value as landmarks, be at. Itzgerald, Engr. Aid - E. L. Jones, Chief of Party Canden, New Jersey charted on (Release trains) the charts indicated of 19. It general. The positions given have been checked after disting by

		,								Ö	Chief of Party.
STATE	New Jersey			-	POSITION					TRAI	
			LATIT	LATITUDE	LONG	LONGITUDE		LOCATION	DATE	BE CH	CHARTS
CHARTING	DESCRIPTION	SIGNAL	-	D.M.METERS		D. P. METERS	DATUM		COCATION	HEHAH OHENI HEHAO	
# 1731	Figher Point Renge Rear	er Polnt Ident	39 58	1833.3	75 03	1066.3	- NA 1927	TRI 8749	1935	×	295 295
#		Point	1				NA	TRI			280
1732	Fisher Point Range Front	Profit Light 39	39 58	1226.9	75 04	286.0	1927	8749	1935	×	202
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j'											
								•	,		
ı											
Thi aids to individu	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.	e with Hydrogr reported on th nder each colu	aphic Mi is form. mn headi	anual, pag The dat ing should	es 800 to a should be giver	s 804. Po be consid	sitions o lered for	f charted the char	landmarks is of the	and n	onfloating and not by

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DEPARTMENT OF COMMERCE U. S. COAST ANI / EODETIC SURVEY

MONITORICAND STOR LANDMARKS FOR CHARTS 1-8749C

STRIKE OUT ONE TO BE DELETED

Camden, New Jersey

LIT. Fitzgerald, Engr. Aid - E.i. Jones, Chief of Perty The positions given have been checked after listing I recommend that the following objects which

										2	Chief of Party.	rty
BTATE	Беи Јегеот			u.	POSITION			METHOD		LAV	ТЯАН	
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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.

Form 567 April 1945

DEPARTMENT OF COMMERCE

EODETIC SURVEY U. S. COAST AN.

7.17.79

AMONGROWNING ALLDS OR LANDMARKS FOR CHARTS

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TO BE		

19 46 Oct. 11 E.L. Jones Chief of Party Comden, New Jersey charted on (ataleteex from)

CHARTS AFFECTED Chief of Party. 262 392 296 966 962 280 PFFSHORE CHART INSHORE CHART нуввой снувт H K × × 1925 19331933 1923 1933 1988 1933 METHOD OF OF COCATION AND SURVEY NO. Existing landmarks TRI 8749 TRI 8749 TP.I 8749 8749 TRI 8749 TRI 8749 8749 Len 183.8 11927 39 59 61.89 75 02 1914,4 WA1927 1336.9 NA1927 261.8 LA 1927 331.9 NA1927 169.0 NA1927 954.6 NA1927 DATUM D. P. METERS LONGITUDE 75 07 75 03 75 03 75 00 75 05 POSITION 1271,4 75 04 0 1250,8 Pensanken Merchantville-89 57 17.1.4 Pensanken Water Co. Standpipe 39 58 1166,4 D.M.METERS 172,9 3.1 LATITUDE CLAILER OF TWO), brick, (200 ft. highlefolder 39 59

PE, (LARGER OF TWO), black "Following River of the bright of the contract 39 56 39 59 - 0 Court House Ball Delair. Kiegknefer Confainer Co. Delair Camden Water Works United Gas Amy Syco Gas tank, finial SIGNAL NAME tack STAMPIPE, (LARGER OF TWO), Dlack (GAS), black, (200 ft, bigh) STANDFIPE, black, (200 ft. high) STATE New Jersey and Pennsylvania STACK, red brick (175 ft. high) DESCRIPTION brick (75 ft. high) COURT HOUSE TOWER, Comden CHARTING NAME STACK STACK PANK

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 surrow spents. Information under each column booding should be desired for the charts of the area and not by

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DEPARTMENT OF COMMERCE U. S. COAST ANL EDDETIC SURVEY

-MONETOATHING ALDS OR LANDMARKS FOR CHARTS 7-1749C

TO BE	TO BE CHARTED STRIKE OUT ONE	`		Cam	Camden, New Jersey	Jersey			0ct. 11			. 19 <u>फ</u>
I re charted The	I recommend that the following objects which have (have read), been inspected from seaward to determine their value as landmarks, be charted on (delativision) the charts indicated (20, 7, 2, 4, 4, 1, 1, 1, 1, 1, 2, 3, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	th have (may)	ald I	been inspe Y.Fitzge	cted from rald, Eng	seaward T. Ai d	to determ	nine their Chiel o	value as F.L.Jones	land S	lmaı	rks, be
											Chie	Chief of Party.
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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.

U. S. COAST AND EODETIC SURVEY DEPARTMENT OF COMMERCE

NOOMBECOARING CAIDS OF LANDMARKS FOR CHARTS

1949

19 August

I recommend that the following objects which mann (have not) been inspected from seaward to determine their value as landmarks, be Baltimore, Maryland Rudol Ph The positions given have been checked after listing by Harry R. charted on (delated x foots) the charts indicated. STRIKE OUT ONE MOOR EDELESEED TO BE CHARTED

Chief of Party.

CHARTS F-874.9C Quad = OFFSHORE CHART INSHORE CHART наявоя снаят DATE OF LOCATION March Graphic 1949 Thos. B. Reed METHOD OF LOCATION AND SURVEY No. L-8749 Planetable N.A. 1927 DATUM D. P. METERS 782 1390 LONGITUDE 50 03 POSITION 75 75 D. M. METERS 834 938 LATITUDE 24 58 33 SIGNAL Radio Tower WKDN -Skeleton steel, top of aero light 274' above MSL Radio Tower WJMJ Skeleton steel, NEW JERSEY tall 3251 CHARTING TOWER STATE

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.

Audubon · Audubon Lake · Baldwin Run · Barrington / · Beideman 💆 · Bellmawr Crescent Park V-· Bon Air · Bridesburg · Broadway · Brooklawn · L · Burlington County -· Camden · · Camden County • Central Airport - Cinnaminson Township · Cloverdale · Highland Park - Collingswood ? Cooper Creek - Cooper Point · Cooper River Cooper River (North Branch) . Cooper Valley Golf Course . Newton Creek V. · Cramer Hill · Cuthbert · · Delair · Delair Junction • Delaware River Delaware Township • Dudley Grange • East Gloucester W. Collingswood . Orston • East Pennsauken * · Ellisburg · Erlton · · Evergreen Cemetery · Fairview . · Farnham Park · Fish House · Fisher Point · Fisher Point Dike · Five Mile Point • Frankford Creek · Garden State Park

GEOGRAPHIC NAMES · Gloucester ' · Haddon Heights · Haddon Lake · Haddon Township · · Haddonfield . · Herwood · Hillcrest ' · Iron Rock . · Jordantown · · Knight Park . Little Rimber Creek . Maple Shade Maple Shade Township + - Merchantville . · Morris · Morrisville · · Mount Ephraim · · Municipal Wharf New Camden Cemetery New Jersey N.J.Petty Island Brid Newton Cr (Main Branch) Newton Cr (North Branch) Newton Cr (South Branch) Newton Lake ' · North Pennsville · Northmont • Oaklyn Palmyra • Parkside · · Parry · Pennsauken * • Pennsauken Creek * .

Names preceded by subject to tield edit. 3/16/49 Pennsauken Cr (North Branch)

Philadelphia County ·

Port Richmond Anchorage.

· Pine Point Park

- Stoys Landing '

West Collingswood '

· West Haddonfield ·

Vo Camden, New Jersey, and

Petty Island Bridge

New Jersey Chank

Woodlynne Sorough

· Yorkship Square

V-Back Channel

Pochack Creek

· Port Richmond

· Tindale Run

Wellwood -

· Westmont

V. Tavistock

V Vernon

* = referred to U.S.B.G.A. for correct spelling whether Per or Penn

Crystal Lake (w. side of Westment) Kings Highway = also N.J. No. 41, in part

+ Maple Shade Township above is Chester Top. on 1841

Changed: Presumetely name has been officially

Changed: · Hopkins Pond (E. side of W. Haddonfield)

Pennsauken Cr (South Branch)

Penna Reading Seashore Lines

Pennsauken Township * '

• Pennsylvania · V

· Peter Creek

• Petty Island

• Philadelphia •

T-8749 C (names of schools, cemeteries, etc, not included in principal list):

Remarks

Decisions

		remarks.	Decisions
1		(from southeast corner of sheet):	
2		Wesley R. Stafford School	
3	-	United Fire Company Cedar Grove Cemetery	The state of the s
4	-	Old St. Marys Cemetery	
4	1	Nicholson Avenue	
5	V	Audubon High School	
		Orston R.R. Sta.	
6	-	Audubon R.R. Sta.	N N
933	1	Fairview Athletic Feidl -	
7	1	W. Collingswood R.R. Sta.	
	/	Oaklyn R.R. Sta.	
8	V	Beetlewood Avenue	
	1	Excelsior Consistory -	
9	-	Edw, C. Knight High School Episcopal Home	
10	1	Cuthbert R.R. Sta.	
10	-	Westmont R.R. Sta.	
11	1	Westment Fire Dept West Haddonfield R.R.	Sta.
1	1	Erlton School	
12	1	Cooperstown Road	
		Locustwood Cemetery	
13		North Park Drive	
	1	Calvary Ceme tery	
14		Camden Co. Vocational School	
15	1	Harleigh Cemetery Perpetual Rosary Shrine —	
15	-	Newxiandamxxieneterex	
16	-	New York Shipbuilding Company -	
	~	Old Camden Cemetery	
17	/	Admiral Wilson Boulevard	
		State Street	
18	-	Westfield Avenue -	
	-	Woodrow Wilson High School	
19	-	Iron Rock Golf Course	
20	~	Be the Cemetery State Lond Committee	
20		Arlington Cemetery	A CONTRACTOR OF THE PROPERTY O
21	1	Cresent Burial Park (should it not be Crescent	2)
	/	Crescent Boulevard	
22		In Philadelphia:	
23	V	Hoxie Gym	Control of the Contro
24	-	Northeast Sewage Treatment Works St. Peters Cemetery	
44	1	Holy Redeemer Cemetery	
2		Bridesburg Park	
	V	Reading Co. Pier A	
26		Pier H	
-			
27			
M 234			

T-8749

Road numbers and railway names

	Road numbers and railway names		
U	Remarks		Decisions
1	Pennsylvenia R.R. (line from C	amdon to Dumlington i	n N T • olas
+ ·	- '	hiladelphia)	T. TA-D - 1 GIBU
		niiaderbura)	
<u> </u>	Philadelphia& Reading R.R.) Re	th names used in Phila ading Railway is pref	adelphia area: erred name in
-	Ret	ilway Guide	
	Road numbers appear to be only		
	30, State No. 43 apears to have	e been omitted; State	No. 42 is not show
	State No. 41 also presents some	questions: in southee	st corner of sheet,
<u>'</u>	application does not appear	_ ,- ,	
<u>.</u>	Map; also in northeast corn	er, the State map has	S41 instead of 41
,	There should also be a check of or State No. 44, in the sout		
	State No. 25 appears to be i		
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GEOGRAPHIC NAMES		/	STATE	D D D D D D D D D D D D D D D D D D D		1 20	O Conda	So January March M	S. Jan. 1.	1
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	A				_					
Kensington Avenue										
Frankford Avenue										
Allegheny Avenue										
N.J. S41N										
Tacony - Palmyra Brid	ge									
New Brunswick										-
Moorestown										
Marltown										
Mt. Holly										
Asbury Park										
Kreson										
Glendale							*			
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	nstei	d of	Pett	7	
Pennypacker Park	5 ±	l-Dri	. 50	T	
Cooper River Colf Club - instead of Cooper vol	וו	_{ባላ} ነ ተ	Collia		-
Audubon Park (Borough)		· 1 ,71.13.2.	150.00	15	
Morgan Village					
Whitman Park (locality)		···		i ·	T
Highland Park " instead of Cloverdale				-	
Wallworth Park "					
Woodlynne Borough instead of Woodlynne					
Gloucester Heights				 	+
West Collingswood Heights - instead of Hast (1)	2000				+
Chandlers Run	100136	<u>suer</u>			
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^					
Haddon Heights Park	{			{ 	
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Crescent Park instead of Rellman					Ť
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Moorestown Township				ļ	
Cooper Hospital		,	<u> </u>		
Back Channel instead of New Jersey Char	,]		<u> </u>		
Bethel Park (Cent) - instead of Dethel Carette	1	<u> </u>		<u></u>]	
Bethel Park (Cemt.) - instead of Bethel Cemeter Delaware River Bridge	ry			<u>.</u>	-
Maple Avenue		<u> </u>	 -	<u> </u>	+
					;
Sorrel Horse Road					M :

* * .- .-

Review Report T-8749C Topographic Map Manuscript April 12, 1950

61. General.-The following surveys furnished detailed shoreline information for this area.

T-8749A 87149B 8769	1:10,000	1949
87119B	ñ	ti '
8 76 9	!!	11

62. Comparison with Registered Topo Surveys. - For the areas in common, this survey supersedes-

T- 165	(1842)	1:10,000	T-2099	(1890)	1:1,200
T- 168	(1843)	1:10,000	T -1 992	(1890)	1:9,600
T-1943	(1878)	1:4,800	T-1993		1:9,600
T-1945		1:4,800	T-1993a	(1911)	1:10,000
T-1942		1:4,800	т-4174	(1925)	1:5,000
T-1956	(1878)	1:4,800	T-4175	(1925)	1:5,000
T-21կկ	(1885)	1:2,400	т-4176	(1925)	1:5,000
T-1934	(1888)	1:1,200	T-3521	(1915)	1:9,600

for nautical charting purposes.

This survey also supersedes T-6395 (1935) 1:10,000 except for the offshore features—wrecks and stone and gravel spoil banks.

63. Comparison with Maps of other Agencies .-

Philadelphia, Pa.-N.J. (1943) 1:62,500 Army Map Service Philadelphia, Pa.-N.J. (1898) 1:62,500 U.S. Geological Survey

- 64. Comparison with Contemporary Hydro Surveys .- None
- 65. Comparison with Nautical Charts .-

No. 280 2/13/50 1:15,000 296 9/6/48 1:40,000 The clearances for the RR bridge should be corrected.

- 66. Adequacy of Results.—This map complies with national map accuracy standards.
- 67. Urban Limits. To avoid confusion with political boundaries and other detail, the urban limits have been outlined on a print of the manuscript instead of the manuscript itself. An extra copy was made that will be retained in the manuscript envelope until the map is published.
- 68. Navigational Aids and Landmarks .- Aids and landmarks are

T-8749C Page 2

listed on Form 567 and filed in the Division of Charts as Chart Letters No. 679 (1946) No. 427 (1948), and No. 606 (1949). See photostat copies following the Field Edit Report.

69. Overlays. - An overlay has been prepared showing road classification, control, etc. Boundaries are shown on the manuscript, but have also been shown on the overlay for clarification. Checked and unchecked spot elevations are not differentiated on the manuscript so they have been shown on the overlay in different colors.

Reviewed by:

APPROVED

Div. of Photogrammetry

Chief, Nautical Chart Branch Division of Charts

Chief, Div. of Photogrammetry

Chief, Div. of Coastal Surveys

UH.

Form 504

U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

DESCRIPTIVE REPORT
Type of Survey PHOTOGRALLETRIC SHORELINE
Field No. PH_7(16)F Office No. T_871.0 4
LOCALITY
State MET .TPRSEY
General locality DET NUMBER RIVER
Locality LITTLE TIMBER CREEK TO COOPER RIVER
194_6
CHIEF OF PARTY E. L. Jones, Chief of Field Party T.B.Reed, Baltimore Photogrammetric Office
LIBRARY & ARCHIVES
DATE

B-1870-1 (1

DATA RECORD

T-8749-A

Quadrangle (II):

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

Field Office:

Chief of Party:

Camden, New Jersey

E.L.Jones

Compilation Office:

Chief of Party:

Washington Office Baltimore Photogrammetric Office

Thos. B. Reed

Instructions dated (II III):

Copy filed in Descriptive

25 March 1946, 19 July 1946, and

Report No. T-

(VI)

15 September 1947

Completed survey received in office: 9-/- 49

Reported to Nautical Chart Section: 9-8-49

Reviewed: 18 Of 50

Applied to chart No.

Date:

Redrafting Completed: 4.12-1951

April 11, 1951

Registered: 11-16-51

Published: May 1951

Compilation Scale: 1:10,000

Published Scale: 110,000

Scale Factor (III):

1.000

Geographic Datum (III): N.A. 1927

Datum Plane (III): M.H.W.

Reference Station (III): Comden, High School, square tower centerfluid, 1933

Iat : See I to to Long : 75 The Control 75° 05' 55.785" (1324.5m) 39° 56' 06.924" (213.6m)

State Plane Coordinates (VI): New Jersey

x = 1,878,809.43 Ft.

Y = 401.648.49 Ft.

Pennsylvania, South Zone

X = 2,743,368,63 Ft.

Y= 230, 427.68 Ft.

Military Grid Zone (VI)

PHOTOGRAPHS (III)

Number	ַ	ate	75th meric	Scale	Stage of Tid	0
46-D-1733-1736	incl.	3/3/46	1345	1:10,000	0.8' above MF	₩
46-D-1751-1754	11	3/3/46	1415	n *	0.31 " "	
46-D-1767-1770	11	3/3/46	1435	U	0.11 n n	
46-D-1786-1789	rt	3/3/46	1455	II.	5.21 " MI	W
46-D-1814		3/3/46	1515	19	4.91 above MI	W
46-D-1819-1822	If	3/3/46	1530	11	4.7' above MI	W
46-D-1850-1854	at .	3/10/46	1420	if .	0.51 above MI	LW

Actual tide observations at Philadelphia corrected to Tide from (III): "Bridesburg to Gloucester".

Mean Range: 5.41

Spring Range: 5.81

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

Field Inspection by:

date:

See page 1 of field report for

Sept:Nov. 22, 1946

Field Edit by: J. Weiler

R. Horh

dato: Feb-Mar 1949

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

Projection and Grids ruled by (III) Washington Office date:

" checked by: Washington Office date:

Control plotted by: Washington Office date:

Additional control plotted by: R.E.Rudolph 12/1/48

Control checked by:

Washington Office

Additional control checked by: J.W. Vonasek.

12/20/48

date:

Radial Plot by:

None

date:

date:

Detailed by:

Washington Office Additional detailing by: R. E. Rudolph

Reviewed in compilation office by:

J. W. Vonasek

11/2 - 12/1/48

date:

12/17 to 12/24/48

Elevations on Field Edit Sheet checked by:

date:

STATISTICS (III)

Iand Area (Sq. Statute Miles): $6\frac{1}{2}$

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

Shoreline (Less than 200 meters to opposite shore): 12.6 statute miles (measured along approximate centerline only)

Number of Recoverable Topographic Stations established: None

photo hydro

Number of Temponary Hydrographox Stations located by radial plot:

none

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:

Since no monumented horizontal control stations established by the U.S. Coast and sedetac survey fail within the area of this survey, the same station that was used on Survey to Taylub has been used as a pererence station for Survey to 18749A.

Summary to Accompany T-8749A

This is one of a series of 24 shoreline maps in Project Ph-7(46) covering both sides of the Delaware River from Trenton, New Jersey and extending southward to Lower Delaware Bay.

These shoreline sheets at a scale of 1:10,000 are to furnish material for the revision of nautical charts for this area, and for a series of 18 topographic compilations at a scale of 1:20,000 which are to be published by the U. S. Geological Survey as standard topographic quadrangles at 1:24,000.

FIELD REPORT

SHORELINE MANUSCRIPT

SURVEY NO. T-8749A

PROJECT NO. PH-7(46)E

For data concerning the field inspection of this manuscript refer to the original field report for T-8749 submitted to the Baltimore Photogrammetric Office by E. L. Jones on 27 November 1946. This field report is a part of the descriptive report for T-8749C.

COMPILATION REPORT

SHORELINE MANUSCRIPT

SURVEY NO. T-8749A

Survey No. T-8749A is one of six (6) shoreline manuscripts in Project No. PH-7(46)E located in or near the City of Philadelphia along the Delaware River.

T-8749A was compiled in the Washington Office using the stereoplanigraph and was revised and corrected in the Baltimore Photogrammetric Office.

26. CONTROL

Twelve (12) additional control stations were plotted within the area of this survey at the Baltimore Office. In addition, four stations were re-plotted.

The following information concerning the control stations plotted in the Washington Office was furnished by the Stereomapping Section.

"N.J. G.C.S. MONUMENT 4000, 1935 - could not be identified.
"N.J. G.C.S. MONUMENT 12973, 1940- could not be held; position submitted by Baltimore Office is believed to be unadjusted."

The plotting of MONUMENT 12973 was found to be incorrect and is one of the four stations which were re-plotted. The station now holds.

27. RADIAL PLOT

Survey No. T-8749A was compiled in the Washington Office by use of the Zeiss Stereoplanigraph using the available wide angle 12" focal length photography. This photography was reduced to $8\frac{1}{4}$ " focal length in order to use the $8\frac{1}{4}$ " normal angle Zeiss lenses in the stereoplanigraph. Previous tests indicated that the horizontal errors introduced due to change in the focal length were negligible.

In order to continue both Cooper River and Little Timber Creek beyond the stereoplanigraph delineation, two partial radial plots were run using vinylite templets. Triangulation stations and secondary control points established by the 1:20,000 radial plot were used as control.

28. DELINEATION

The compilation is in accordance with the written instructions pertaining to Project No. PH-7(46) dated 19 July 1946 and 15 September 1947.

In the Washington Office all of the planimetric details were compiled from office interpretation of the photographs. For economy, all of the planimetry within the areas of each model was compiled by the operator. After the survey was completed it was turned over to a draftsman who inked in only the half minute on the west side of the manuscript.

In the Baltimore Office, the remaining shoreline and adjanent planimetry were inked in and corrected, and field inspection data were applied using prominent shoreline features and road intersections as control points. In the areas of the partial radial plots, detail points were cut in and the area was then delineated.

The channels of the three branches of Newton Creek were obtained by inking them in on the 1:20,000 photograph (tide of 0.5 above MLW) where they were clearly visible. Using the vertical projector and superimposing the 1:20,000 photo on the 1:10,000 photos the channels were inked on the single lens photographs and then transferred to the manuscript.

29. SUPPLEMENTAL DATA

- 1. Map of the City of Camden and vicinity.
- 2. Base map, Camden County, N. J. 1939
- 3. Road map of Camden County, N. J.

30. MEAN HIGH WATER LINE

No comment.

31. MEAN LOW WATER LINE

No comment

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE

No comment.

33. WHARVES AND SHORELINE STRUCTURES

No comment

NOTES FOR HYDROGRAPHIC FARTIES DELAWARE RIVER

SHORELINE MANUSCRIPT, SURVEY NO. T-8749A

PROJECT PH-7(46)E

T-8749A was compared with Nautical Chart No. 280, scale 1:15,000 published September 1943 and with Nautical Chart No. 295, scale 1:40,000, published September 1943.

Very little of the area shown on the manuscript appears on the charts. However, a dam across Cooper River below Kaighn Avenue shown on the chart appears on the manuscript as a two span fixed bridge with a vertical clearance of 7 feet. The area along Newton Creek is shown as marsh on the chart and as grass-in-water on the manuscript.

The following topographic information shown on T-8749A is of sufficient importance to warrant immediate application to the charts:

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 charts:

None.

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

Winor differences in cultural and shoreline details need no special discussion.

Respectfully submitted 2 December 1948

Approved and forwarded

Thos. B. Reed

Officer in Charge

Baltimore Photogrammetric Office

34. LANDMARKS AND AIDS TO NAVIGATION

None shown.

35. HYDROGRAPHIC CONTROL

None

36. LANDING FIELDS AND AERONAUTICAL AIDS

Central Airport is the only landing field in the area. There are mo aeronautical aids. See paragraph 13 of the field report.

37. GEOGRAPHIC NAMES

Geographic names were taken from a final names standard furnished by the Washington Office. A list of names is attached to this report.

38. JUNCTIONS

Junctions have been made with T-8749B to the north, T-8748A to the west, and T-8769 to the southwest and are in agreement.

There are no contemporary surveys to the south and east.

T-8749A is covered by Topographic Survey No. T-8749C.

40. BRIDGES

See field report for bridge discrepancies

Clearances of those bridges across Little Timber Creek and Newton Creek not measured in the field have been shown on the manuscript as listed in the bridge book.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

Survey No. T-8749A has been compared with the U. S. Army Corps of Engineers, Philadelphia quadrangle, scale 1:62,500, edition of 1943.

Minute comparison was not possible because of the great difference in scale between the two surveys. They appear, in general, to be in good agreement. However, the areas along Newton Creek and its three branches and Little Timber Creek appear as marsh on the quadrangle but are shown as grass-in-water on the manuscript.

45. COMPARISON WITH NAUTICAL CHARTS

T-8749-A was compared with Nautical Chart No. 280, scale 1:15,000, published September 1943 and with Nautical Chart No. 295, scale 1:40,000, published September 1943.

45. COMPARISON WITH NAUTICAL CHARTS (continued)

Very little of the area shown on the manuscript appears on the charts. However, a dam across Cooper River below Kaighn Avenue shown on the chart appears on the manuscript as a two span fixed bridge with a vertical clearance of 7 feet. The area along Newton Creek is shown as marsh on the chart but as grass-in-water on the manuscript.

The following topographic information shown on T-8749A is of sufficient importance to warrant immediate application to the charts:

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 charts:

None.

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

Minor differences in cultural and shoreline details need no special discussion.

Respectfully submitted 2 December 1948

Engineering Draftsman

Compilation and Descriptive Report

Harry R. Rudolph. Supervisor Photogrammetric Engineer

Phtogrammetric Office Reviewer

resh W Vonasek

Approved and forwarded
4 January 1949

Officer in Charge

Baltimore Photogrammetric Office

GEOGRAPHIC NAMES

- Audubon Lake
- . Camden
- Central Airport Cloverdale
- · Collingswood
- · Cooper River
- Cooper River North Branch
 Gooper River Golf Club .
- ·Cuthbert
 - East Gloucester
- . Erlton
- · Fairview
- · Farnham Park
- · Gloucester
- · Haddon Lake
- · Little Timber Creek
- Mount Ephraim
- · Newton Creek Main Branch
- · Newton Creek North Branch
- · Newton Creek South Branch
- · Newton Lake
- · Northmont
- ·Parkside
- · Peter Creek
- Oaklyn
- . Stoys Landing
- West Collingswood Westmont
- .Woodlynne
- . Yorkship Square

See T-8749 C

Review Report T-8749A Shoreline Map Manuscript April 18, 1950

61. General:

This survey furnished detailed shoreline information for T-8749c 1:20,000 (1949).

62. Comparison with Registered Topo Surveys. - For the areas in common, this survey supersedes:

T-165 (1842(1:10,000 T-4175 (1925) 1:5,000 T-1943(1878) 1:4,800 T-4176 (1925) 1:5,000 T-1945(1878) 1:4,800 T-3521 (1915) 1:9,600 T-1992(1890) 1:9,600 - for nautical charting purposes.

63. Comparison with Maps of Other Agencies:

Philadelphia, Pa.-N.J. (1943) 1:62,500 Army Map Service Philadelphia, Pa.-N.J. (1898) 1:62,500 U.S.Geological Survey

65. Comparison with Nautical Charts:

No. 280 2/13/50 1:15,000 See Par. 45 Compilation Report

66. Adequacy of Results:

This map complies with National Map Accuracy Standards,

67. Landmarks:

The radio tower reported by the Field Edit Party is listed on Form 567 and filed as Chart Letter No. 606(1949) in the Division of Charts.

68. Field Edit:

Information obtained for the field edit of T-8749c was also applied to this survey.

Reviewed by:

Jack Ly Rihn, Cartographer

Approved by:

Chief, Review Agetion B 12/13/51
Division of Photogrammetry

Chief, Nautical Chart Branch
Division of Charts

Chief, Div. of Photogrammetry

Chief, Div. Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. TB749A

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
10-23-5	1 295	D.J. Kennon	-Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
	·		Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			•
	·		
	<u> </u>		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.

 \downarrow_-

Diag. Cht. No. 295-2 & 296

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT
Type of Survey PHOTOGRAPLETRIC SHORELINE Field No. PH-7(46) E Office No. T-8749 B
LOCALITY
State PENNSYLVANTA NET JURGEY
General locality DELATIONE RIVER
Locality C'ITHN
194 6
CHIEF OF PARTY E.L.Jones, Chief of Field Party. T.B.Reed, Baltimore Photogrammetric Office
LIBRARY & ARCHIVES
DATE

DATA PECORD

T- 8749B

Quadrangle (II):

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

Field Office:

Camden, New Jersey

Chief of Party:

E.L. Jones

Compilation Office:

Chief of Party:

Division of Photogrammetry, Washington, D.C.

and Baltimore Photogrammetric Óffice Instructions dated (II III): March 25, 1946

Thos. B. Reed Copy filed in Descriptive

19 July 1946, 15 September 1947

Report No. T-

Completed survey received in office: //-/8-48

Reported to Nautical Chart Section: 12-7-48

Reviewed: 18 of 50

Applied to chart No.

Date:

Redrafting Completed:

March 27, 1951

11-27-51 Registered:

Published:

Compilation Scale: 1:10,000

Published Scale: 1,24,000

Scale Factor (III): 1.000

Geographic Datum (III): N.A. 1927

Datum Plane (III): 松北 MHW

Reference Station (III): FOOT, 1933

Iat.: / / / / / / 39° 57' 54.669" 1686.1m

Long.: 75° 04' 28.459" 675.4m

Adjusted Unauthorted×

State Plane Coordinates (VI): New Jersey

X = 1,885,661.70 Ft. Y = 412,518.74 Ft.
Pennsylvania, South Zone

X=2,749,837.85 Ft. Y=241,530.26 Ft.

Military Grid Zone (VI)

PROTOGRAPHS (III)

		75th meric	dian	
Number	Date	Time	Scale	Stage of Tide
46-D-1737-1743	3/3/46	1350	1:10,000	0.7' above MHW
-1755-1759	ti i	1415	11	0.31 # #
-1771-1775	n	1440	11	at MHW
-1790-1795	Tt.	1500	11	5.1' above MLW
-1808-1813	**	1515	11	4.9' above MLW
-1822-1827	и ,	1530	11	4.7' above MLW
-1843-1849	3/10/46	1420	rt	0.5 below MLW

Actual tide observations at Philadelphia corrected to

Bridesburg to Gloucester Tide from (III):

Mean Range: 5.4

Spring Range:

5.81

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

Field Inspection by: See page 1 of field report for T-87490

date: 23 Sept. 46 -25 Nov. 1946

Field Edit by: J. Weiler

date: Feb - Mar 1949

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

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

date: 9/15/47

checked by: T.L.J.

date: 9/15/47

Control plotted by: L.J. Reed (Wash. Office) Additional control plotted by: J.W. Vonasek Control checked by: Washington Office Additional control checked by: R.E.Rudolph

date: 9/15/47 date: 3/22/48

date: -

date: 10/5/48

Radial Plot by: none date:

Detailed by: Washington Office

Additional detailing by: J.W. Vonasek and

R.E.Rudolph.

date:

date: 3/22 to 3/26/48,)
10/1 to 108/48, and)
10/18 to 10/29/48.)

Reviewed in compilation office by: J.W. Vonasek

date: 11/2 to 11/12/48

Elevations on Field Edit Sheet

date:

checked by:

STATISTICS (III)

Land Area (Sq. Statute Miles): 9 statute miles

Shoreline (More than 200 meters to opposite shore): 12.3 statute miles

Shoreline (Less than 200 meters to opposite shore): 7 statute miles (measured along approximate centerline only)

Number of Recoverable Topographic Stations established: one

photo hydro

Number of Tempovary, Hydrographic Stations located by radial plot: none

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-8749B

This is one of a series of 24 shoreline maps in Project Ph-7(46) covering both sides of the Delaware River from Trenton, New Jersey and extending southward to Lower Delaware Bay.

These shoreline sheets at a scale of 1:10,000 are to furnish material for the revision of nautical charts for this area, and for a series of 18 topographic compilations at a scale of 1:20,000 which are to be published by the U. S. Geological Survey as standard topographic quadrangles at 1:24,000.

FIELD REPORT

SHORELÍNE MANUSCRIPT

SURVEY NO. T-8749B

PROJECT NO. PH-7(46)

For data concerning the field inspection of this manuscript refer to the original field report for T-8749 submitted to the Baltimore Photogrammetric Office by E. L. Jones on 27 November 1946. This field report is part of the descriptive report for T-87490.

COMPILATION REPORT

SHORELINE MANUSCRIPT

SURVEY NO. T-8749B

Survey No. T-8749B is one of six (6) shoreline manuscripts in Project No. Ph-7(46)E located in or mear the City of Philadelphia along the Delaware River.

T-8749B was compiled in the Washington Office using the stereoplanigraph and was revised and corrected in the Baltimore Photogrammetric Office.

26. CONTROL

Nine, (19) additional control stations were plotted within the area of this survey at the Baltimore Compilation Office.

The following information concerning the control stations plotted in the Washington Office was furnished by the Stereomapping Section:

"N. J. G. C.S. MONUMENT 12966, 1940 - could not be held, position submitted by Baltimore Office is believed to be unadjusted."

In the list of plane coordinates of the New Jersey Geodetic Control Survey monuments used by the Washington Office no position has been found for MONUMENT 949. No information is available to the Compilation Office concerning this station.

27. RADIAL PLOT

None.

28. DELINEATION

The compilation is in accordance with the written instructions pertaining to Project No. PH-7(46) dated 19 July 1946 and 15 September 1947.

Survey No. T-8749B was compiled in the Washington Office by use of the Zeiss Stereoplanigraph using the available wide angle 12" focal length photography. This photography was reduced to $8\frac{1}{4}$ " focal length in order to use the $8\frac{1}{4}$ " normal angle Zeiss lenses in the stereoplanigraph. Previous test indicated that the horizontal errors introduced due to change in the focal length were negligible. All of the planimetric details were compiled mainly from office interpretation of the photographs. For economy, all of the planimetry within the areas of each model was compiled by the operator. After each survey was completed it was turned over to a draftsman who inked in the penciled shoreline and adjacent planimetry.

28. DELINEATION (Continued)

In the Baltimore Compilation Office, the shoreline and adjacent planimetry were corrected and field inspection data applied using prominent shoreline features and road intersections as control points. Considerable revision was found to be necessary in order to comply with present instructions.

When N.J.G.C.S. MONUMENT 6951, 1940, was plotted on the manuscript in the Baltimore Compilation Office it did not agree with the detail in the area. The Washington Office did not use this station which was the only one in the area recovered by the field party. Instead they used three other monuments (935, 949, and 952) for which there are no descriptions in the Baltimore Office and which were not recovered by the field party. On the quadrangle covering this area (T-8749C) a radially plotted position had been established for Monument 6951. It was decided to transfer three pass points and the radially plotted position of Monument 6951 from the 1:20,000 manuscript to T-8949B. In addition, four check points were pricked on the nine lens photographs, radially plotted on the quadrangle, and then transferred to T-8749B. Using these eight points as control, photograph centers and detail points were radially plotted. It was then found that part of the detail at the southern limits of the delineated area was incorrect and this area was re-delineated.

29. SUPPLEMENTAL DATA

1. Sheets No. 1 and 2, 1942. survey, revised to 1 March 1941, Delaware River, Philadelphia to Trenton, U.S. Engineers, scale 1" = 100'.

2. Railroad blueprints -

- a. Pennsylvania Railroad, Philadelphia Terminal Division
 1. Delaware River Railroad and Bridge Company, R/W and

 Track Map, scale 1" = 100' V1.0

 2
 - 2. Connecting Railway, Kensington and Tacony Branch, R/W and Track Map, scale 1" = 100' V1.02

b. Reading Company -

Port Richmond Yard, Richmond Street to piers, scale
 1" = 400'.

30. MEAN HIGH WATER LINE

In the Washington Office the mean high water line was delineated from office interpretation of the single lens photographs. In the Baltimore office, using available field inspection, the mean high water line was revised.

31. MEAN LOW WATER LINE

Only that portion of the mean low water line delineated by the field party has been shown on the manuscript!

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE

No comment.

33. WHARVES AND SHORELINE STRUCTURES

No comment

34. LANDMARKS AND AIDS TO NAVIGATION

Six (6) landmarks and two (2) aids to navigation were located and are to be charted. They are all triangulation stations. One landmark, CITY HALL, CAMDEN, is to be deleted.

See Forms No. 567 submitted with this report and with the descriptive report for T-8749C. See Review Report.

35. HYDROGRAPHIC CONTROL

None.

36. LANDING FIELDS AND AERONAUTICAL AIDS

None.

37. GEOGRAPHIC NAMES

Geographic names were taken from a final names standard furnished by the Mashington Office. A list of geographic names is attached to this report.

38. JUNCTIONS

Junctions with Surveys No. T-8748B to the west, T-8747A to the north, and T-8749A to the south have been made and are in agreement.

There is no contemporary survey to the east.

T-8749B is covered by Topographic Survey No. T-8749C.

40. BRIDGES

See field report for bridge discrepancies.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

Survey No. T-8749B has been compared with the U. S. Army, Corps of Engineers, Philadelphia quadrangle, scale 1:62,500, edition of 1943. Minute comparison was not possible because of the great difference in scale between the two surveys. They appear, in general, to be in good agreement.

45. COMPARISON FITH NAUTICAL CHARTS:

By using the vertical projector, T-8749B was compared with Nautical Chart No. 280, scale 1:15,000, published September 1943.

With the exception of a few made, made changes, the two surveys seem to be in good agreement. A wreck offshore at East Camden has not been shown on the manuscript because it was deleted on field photo No. 1756.

T-8749B was also compared with Nautical Chart No. 295, scale 1:40,000, published September 1943 and with Nautical Chart No. 296, scale 1:40,000 published July 1936. Minute comparison was not made with either of these charts because of the great difference in scale. However, they appear to be in good agreement with the manuscript. Two wrecks near the mouth of Pennsauken Creek are not shown on the manuscript because they are not visible on the photographs.

The following topographic information shown on T-8749B is of sufficient importance to warrant immediate application to the charts:

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 charts:

None.

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

Minor changes in cultural and shoreline details need no special discussion.

Respectfully submitted 1 November 1948

Ruth E. Rudolph Engineering Draftsman

Compilation and Descriptive Report

Approved and forwarded

18 November 1948

Officer in Charge

Baltimore Photogrammetric Office

NOTES

FOR

HYDROGRAPHIC PARTIES

DELAWARE RIVER

SHORELINE MANUSCRIPT

SURVEY NO. T-8749B

PROJECT NO. PH 7(46)E

By using the vertical projector, T-8749B was compared with Nautical Chart No. 280, scale 1:15,000, published September 1943.

With the exception of a few man made changes, the two surveys seem to be in good agreement. A wreck off the southern shore of the channel between Petty Island and the New Jersey mainland has not been shown on the manuscript because no data were furnished for it.

T-8749B was also compared with Nautical Chart No. 295, scale 1:40,000 published September 1943, and with Nautical Chart No. 296, scale 1:40,000, published July 1936. Minute comparison was not made with either of these charts because of the great difference in scale. However, they appear to be in good agreement with the manuscript.

The following topographic information shown on T-8749B is of sufficient importance to warrant immediate application to the charts:

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 charts:

None.

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

Minor changes in cultural and shoreline details meed no special discussion.

Approved and forwarded

Respectfully submitted 1 November 1948

2.11

Engineering Draftsman

Thos. B. Reed Officer in Charge

Baltimore Photogrammetric Office

27.5	200	1945
	LOLIN	April 1

DEPARTMENT OF COMMERCE U. S. COAST ANIF? PODETIC SURVEY

MONREGARING VAIDS VOR LANDMARKS FOR CHARTS

TO BE CHARTED. STRIKE OUT ONE STRIKE OUT ONE		Baltimore, ld.		l Nov.
I recommend that the following objects which have (#48657466) been inspected from seaward to determine their value as landm	ive (AND SCHAR)	been inspected from seawar	rd to determine	heir value as landn
charted on (notices of the charts indicated.	(/	1		

. 19 48

arks, be

280, 295 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. CHARTS AFFECTED Chief of Party. OFFSHORE CHART INSHORE CHART × 1946 Dero METHOD OF LOCATION AND SURVEY NO. rad.Plot T-8749B Thos. B. deed DATUM 1927 N.A. D. P. METERS 522 The positions given have been checked after listing by Mexal MUDNACOK LONGITUDE POSITION ۵2 75 Joseph .. Vonasek D.M.METERS 1266 LATITUBE 56 66. Camhall SIGNAL DESCRIPTION (CITY HALL) CANDEN NE" JERSEY CHARTING NAME TCTER STATE

Page 5

MAP T. 8749B		PROJECT NO PH-7(46)E	CT NO.	PH-7(4)	5)正	SCALE OF MAP 1:20,000	000,00	SCALE FACTOR none	OR none
STATION		I	LATITUI	LATITUDE OR #-COORDI	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM	N.A. 1927 - DATUM DISTANCE FROM GRID ON PROJECTION LINE IN WETENS FORWARD (BACK)	FACTOR DISTANCE IN RETURN CINE IN METERS FORWARD (BACK)
MERCHANT VILLE	Acc.No.	1927	82	57	01.185			36.5 1814.0	
SAPIPE, 1933	, Pg. 98		75	03	01.026	•		24.4 1399.9	-
COMPANY CAMBEN	Acc.No. G-1969	•	39	56	40.555			1250.8 599.7	
1925 1	Pg. 148	=	75	03	11.029			261.8 1162.6	
COURT HOUSE		 							
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Listed orgon weren	į	DA	DATE March 22, 1948	h 22,	1948	Copy R.E. Rudolph	Rudolph	, DATE Oct.	м.2388-12

GEOGRAPHIC NAMES

- 'Baldwin Run
- Bridesburg
- Camden
- · Cooper Point
- · Cooper River
- · Cramer Hill
- · Delair Junction
 - . Delaware River
 - East Camden
 Fish House
 - · Fisher Point
 - · Fisher Point Dike
 - · Five Mile Point
 - · Frankford Creek
 - Morris
 - Municipal Wharf

New Jersey Petty Island Bridge Channel

- North Branch
- . North Pennsville
- · Pennsauken Creek
- · Petty Island
- , Philadelphia
- . Pine Point Park
- · Pochack Creek
- · Port Richmond
- · Port Richmond Anchorage
- · South Branch

See T-87.49 C

Review Report T-8749B Shoreline Map Manuscript April 18, 1950

61. General:

This survey furnished detailed shoreline information for T-8749C(1949) 1:20,000.

62. <u>Comparison</u> with Registered Topo Surveys. For the areas in common, this survey supersedes:

T-168	(1843)	1:10,000	T-1993	(1896)1:9,600
		1:1,200	T-2099	(1890)1:1,200
T-1942	(1878)	1:4,800	T-2144	(1885)1:2,400
T-1943	(1878)	1:4,800	T-1993a	(1911)1:10,000
T-1956	(1878)	1:4,800	T-3521	(1915)1:9,600
T-1992	(1890)	1:9,600	T-4174	(1925)1:5,000
	•	·	T-4175	(1925)1:5,000

for nautical charting purposes. This survey also supersedes T-6395(1935) 1:10,000 except for offshore features: wrecks and stone and gravel spoil banks.

63. Comparison with Maps of other Agencies:

Philadelphia, Pa.-N.J. (1943)1:62,500 Army Map Service Philadelphia, Pa.-N.J. (1898)1:62,500 U.S.G.S.

- 64. Comparison with Contemporary Hydro Surveys: None
- 65. Comparison with Nautical Charts:

No. 280 2/13/50 1:15,000 No. 296 9/6/48 1:40,000 The clearances for the RR bridge should be corrected.

66. Adequacy of Results:

This map complies with National Map Accuracy Standards.

67. Aids and Landmarks:

These are listed on Form 567 and filed in the Division of Charts as Chart Letter No. 679(1946), No. 427, and No. 606 (1949).

68. Field Edit:

Information obtained for the field edit of T-8749C was also applied to this survey.

Reviewed by:

Jack L. Rihn, Cartographer

Approved by:

Chief, Review Seltion # 12/13/5/
Division of Photogrammetry

Chief, Nautical Chart Branch Division of Charts

Chief, Div. of Photogrammetry

Chief, Div. Coastal Surveys

MEMORANDUM FOR: DIRECTOR, U. S. COAST AND GEODETIC SURVEY, DEPARTMENT

OF COMMERCE

ATTN: Administrative Planning Section

SUBJECT: Classification Clearance

- 1. Reference is made to your memorandum, file No. 731-lmh, dated 31 March 1950, forwarding ten maps for security clearance.
- 2. There is no objection to the publication of the three inclosed maps as unclassified.
- 3. The remaining seven maps will be returned to your agency as soon as they are received from the Commanding General, 4th Army, to whom they were sent for examination.

FOR THE ASSISTANT CHIEF OF STAFF, G-2:

3 Incls

Nap No. T-8771
 Nap No. T-8749B

3. Map No. T-8749C

ERNEST A. BARLOW

Colonel, GSC

Chief, Security & Training Division

NAUTICAL CHARTS BRANCH

SURVEY NO. <u>*T-8749*</u> B

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
10-10-51	295	D.J. Kennon	Before After Verification and Review
11/10/53	Reconst 296	yw elal	T8749 B&C Been After Verification and Review Completely
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			· · · · · · · · · · · · · · · · · · ·

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.