

8766

Disc. Cht. No. 296

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey PHOTOGRAPHIC SURVEY

Field No. P-7(16)F Office No. T-8766

LOCALITY

State PENNSYLVANIA

General locality WILKES BARRE

Locality WILKES BARRE, PA. TO COALITION MOUNTAIN

194 F

CHIEF OF PARTY

R. J. Sney, Chief of Field Party

T. E. Dyer, Chief Photogrammetric Officer

LIBRARY & ARCHIVES

DATE March 13, 1952

DATA RECORD

T-8766

Quadrangle (II): Bristol, Pa. - Roebling, N.J. Project No. (II): PH-7(46)F

Field Office: Phila., Pa.

Chief of Party: R.J. Sipe

Compilation Office:

Chief of Party:

Baltimore, Md.

Thos. B. Reed

Instructions dated (II III):

Copy filed in Descriptive Division
Report No. T- of (VI) Photogrammetry

25 March 1946, 19 July 1946

Supplement No 1, 14 June 1946

Supplement No. 2 11 October 1946

Completed survey received in office: 2-24-49

Reported to Nautical Chart Section: 3-3-49

Reviewed: April 28, 1950 Applied to chart No.

Date:

Redrafting Completed: 4-12-1951

April 12, 1951

Registered: 16 January 1951 Published:

Compilation Scale: 1:10,000

Published Scale:

Scale Factor (III): 1.000

Geographic Datum (III): N.A. 1927

Datum Plane (III): MHW

Reference Station (III): ZINC, 1935

Lat.:

Long.:

Adjusted

40° 06' 10.388" 320.4 meters

74° 50' 22.532" 533.7 meters

Unadjusted

State Plane Coordinates (VI): N.J. State Grid (green)
Pa. State Grid (red)

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
46-D-2072 to 46-D-2082	3-12-46	1420	1:10,000	1.3' above MLW
46-D-2096 to 46-D-2103	"	1434	"	1.4' above MLW
46-D-2107 to 46-D-2111	"	1450	"	1.4' above MLW

Tide from (III): Data on reverse side of the field photographs

Mean Range: ~~7.8~~ 6.0' Spring Range: 6.3'

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

Field Inspection by: S.J.Hathorn date: 12-1- to 1-30-48

Field Edit by: R.A.Horn date: April 15, 1949

Date of Mean High-Water Line Location (III):
Same as date of photographs supplemented by field inspection

Projection and Grids ruled by (III)) date:)
" " " checked by:) T.L.J.) 10-3-47

Control plotted by: H.R.Rudolph date: 2-3-48

Control checked by: L.A.Senasack date: 2-18-48

Radial Plot by: F.J.Tarcza date: 4-13-48 to 4-20-48

Detailed by: M.K.Spencer date: 10-16 to 12-29-49

Reviewed in compilation office by: J.W.Vonasek date: 1-17 to 2-4-49

Elevations on Field Edit Sheet
checked by: date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 9

Shoreline (More than 200 meters to opposite shore): 18 . statute miles

Shoreline (Less than 200 meters to opposite shore): 9 . statute miles

photo. topo.
Number of ~~Reconnaissance~~ Topographic Stations established: 11 (see remarks)

photo hydro
Number of ~~Temporary Hydrographic~~ Stations located by radial plot: 12 11

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: Forms 524 were not submitted for four range lights, viz:
Roebling Range Front Light Form 567, 4-28-50; Form 526, 4-28-50.
" " Rear Light Form 567, 4-28-50.
Burlington Island Range Front Light Form 567, 4-28-50.
Burlington Island Range Rear Light Form 567, 4-28-50.

Summary T-0766

This map is one of 24 shoreline surveys in project Ph-7(46) covering both banks of the Delaware River from Trenton, New Jersey and extending southward to Lower Delaware Bay. These surveys at a scale of 1:10,000 provide revision data for nautical charts and detailed shoreline data for quadrangles in project Ph-7(46) which are contemporaneous with the shoreline surveys.

FIELD REPORT

SHORELINE MANUSCRIPT, SURVEY NO. T-8766

PROJECT NO. PH-7(46)F

For data concerning the field inspection of this shoreline manuscript refer to the field report for Surveys T-8765 and T-8766, submitted by Stanley J. Hathorn dated 9 February 1948, attached to the Descriptive Report for Survey No. T-8765.

MAP T. 8766

PROJECT NO. PH-7(46)F

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION	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)	
AIRWAY BEACON No. 70, 1933 ✓	✓ G-1751 88	N.A. 1927	40 05 30.621 74 53 44.929				944.4 1064.3	906.2 357.0	
BRISTOL, GRUNDY FARM WATER TANK, 1933	"	"	40 06 34.695 74 53 51.243				1070.1 1213.6	780.5 207.4	
McKEE 2, 1935	-3340 -356	"	40 04 36.174 74 53 47.092	Plots on T-8767			1115.7 1115.8	734.9 205.9	
COLLEGE POINT RANGE, FRONT LIGHT, 1935	-3340 -368	"	40 04 38.410 74 53 44.022	Plots on T-8767			1184.7 1043.1	665.9 278.6	
COLLEGE POINT RANGE, REAR LIGHT 1935	-3340 -367	"	40 04 37.31 74 53 51.85	Plots on T-8767			1150.8 1228.5	699.8 192.2	
MAPLE, 1912 ✓	-3340 367	"	40 04 56.755 74 52 40.850				1750.5 967.8	100.1 453.7	
BRISTOL, ROHM AND HAAS COUNTRY CLUB TANK, 1935	✓ -3340 357	"	40 05 06.463 74 52 24.000				199.3 568.6	1651.3 852.9	
BEACH, 1912 ✓	-3340 368	"	40 04 59.756 74 52 16.302				1843.1 386.2	7.5 1035.3	
BURLINGTON-BRISTOL BRIDGE, SOUTH PIER RED LIGHT, 1933	-1751 90	"	40 04 48.829 74 52 10.179				1506.0 241.2	344.6 1180.4	
KERR ECCENTRIC, 1933	-1664 68	"	40 04 25.890 74 52 42.981				798.5 1018.4	1052.1 403.3	
MON. NO. 2846 (N.J. GEOD. S.) 1935	✓ -3340 367	"	40 04 21.338 74 52 29.427				658.1 697.3	1192.5 724.5	
MON. NO. 2845 (N.J. GEOD. S.) 1935	✓ -3340 367	"	40 04 29.733 74 52 01.894				917.1 44.9	933.5 1376.8	

1 FT. = 3048006 METER

COMPUTED BY: H. R. Rudolph

DATE Feb. 4, 1948

CHECKED BY: L. A. Senasack

DATE 2-18-48

M-2308-12

MAP T-8766

PROJECT NO. PH-7(46)F

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX) No. Pg.	DATUM N.A. 1927	LATITUDE OR 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)	
BURLINGTON-BRISTOL BRIDGE, TOWER, NORTH LIGHT, 1935	-3340 367	✓	40 04 53.999 74 52 11.968				1665.5 283.6	185.1 1138.0	
BURLINGTON, SAINT MARY'S CH. SP., 1933	-1751 91	✓	40 04 39.271 74 51 43.751				1149.5 1036.6	701.1 385.0	
BURLINGTON LIGHT, 1935	-3340 370	✓	40 04 49.604 74 51 53.555				1529.9 1268.9	320.7 152.7	
BURLINGTON, PRESBYTERIAN CH. DOME, 1935	-3340 370	✓	40 04 50.026 74 51 34.680				1543.0 821.7	307.6 599.9	
BURLINGTON, ENDEAVOR FIRE CO. CLOCK TOWER, 1935	-3340 370	✓	40 04 46.594 74 51 29.805				1437.1 706.2	413.5 715.4	
BURLINGTON, MUNICIPAL STANDPIPE, 1935	-1751 90	✓	40 04 53.178 74 51 21.790				1640.2 516.3	210.4 905.3	
STATION A (USE)	-3340 368	✓	40 04 55.754 74 51 21.673				1719.6 513.5	131.0 908.0	
BURLINGTON, SAINT PAUL'S CH. SP., 1933	-1751 91	✓	40 04 46.528 74 51 15.448				1435.1 366.0	415.5 1055.6	
DUKE, 1912	-3340 357	✓	40 05 13.037 74 51 47.877				401.9 1134.1	1448.7 287.4	
DUKE ECCENTRIC, 1935	-3340 357	✓	40 05 11.647 74 51 50.557				359.2 1197.7	1491.4 223.7	
CANAL C.L. (U.S.E.) 1935	-3340 368	✓	40 05 12.907 74 51 47.069				398.1 1115.1	1452.5 306.3	
BRISTOL RANGE, FRONT LIGHT, 1935	-3340 371	✓	40 05 29.474 74 51 34.654				909.1 820.9	941.5 600.5	

1 FT. = 3048008 METER

COMPUTED BY: H.R. Rudolph

DATE: Feb. 4, 1948

CHECKED BY: L.A. Senasack

DATE: 2-18-48

M-2388-12

MAP T. 8766

PROJECT NO. PH-7(46)F

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX) ACC. Pg.	DATUM N.A. 1927	LATITUDE OR μ -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)
BRISTOL RANGE REAR LIGHT, 1935	✓ -3340 370	•	40 05 26.007 74 51 42.809				802.1 1014.1	1048.5 407.3		
BRISTOL, ROHM AND HAAS CO., STACK 1933	✓ -1751 89	•	40 05 39.118 74 52 01.693				1206.5 40.1	644.1 1381.2		
STATION B (USE) 1935	✓ -3340 369	•	40 04 56.610 74 50 58.567				1746.0 1387.6	104.6 33.9		
STATION C (USE) 1935	✓ -3340 369	•	40 05 02.400 74 50 45.575				74.0 1079.8	1776.6 341.8		
BURLINGTON, U.S. PIPE & FOUNDRY CO. STANDPIPE, 1935	✓ -3340 370	•	40 04 56.642 74 50 42.555				1747.0 1008.2	103.6 413.3		
STATION E (USE) 1935	✓ -3340 369	•	40 05 18.610 74 50 23.410				574.0 554.6	1276.6 866.8		
BURLINGTON, U.S. PIPE & FOUNDRY CO. TANK, 1935	✓ -3340 370	•	40 05 14.738 74 50 22.084				454.6 523.2	1396.0 898.3		
BOARD, 1935	✓ -3340 357	•	40 05 25.807 74 50 44.473				796.0 1053.5	1054.6 367.8		
STAND 1935	✓ -3340 357	•	40 05 45.209 74 49 59.637				1394.4 1412.6	456.2 8.6		
STATION D (USE) 1935	✓ -3340 369	•	40 05 09.662 74 50 32.267				298.0 764.5	1552.6 657.0		
IRON, 1935	✓ -3340 357	•	40 05 12.170 74 50 28.702				406.2 680.0	1444.4 741.5		
STATION G (USE) 1935	✓ -3340 369	•	40 05 38.942 74 50 05.167				1201.1 122.4	649.5 1298.9		

1 FT. = .3048006 METER
COMPUTED BY: H.R. Rudolph

DATE Feb. 2, 1948

CHECKED BY: L.A. Senasack

DATE 2-18-48

M-2388-12

MAP T. 8766

PROJECT NO. PH-7(46)F

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX) Acc. Pg.	DATUM N.A. 1927	LATITUDE OR ν -COORDINATE LONGITUDE OR x -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
STATION F (USE) 1935	No. 3340 369		40 05	28.427				876.8	973.8		
LEHEIGH RANGE	-3340		74 50	11.655				276.1	1145.2		
UPPER LIGHT, 1935	371		40 05	43.647				1346.2	504.4		
BRISTOL, METHODIST EPISCOPAL CHURCH SPRE, 1935	-3340 371		74 51	14.868				352.2	1069.1		
			40 05	47.650				1469.7	380.9		
			74 51	20.025				474.3	946.9		
BRISTOL, ST. JAMES	-3340 371		40 05	50.330				1552.3	298.3		
PRESBYTERIAN CH. SP.	371		74 51	14.175				335.8	1085.5		
BRISTOL 2, 1935	-3340 357		40 05	45.689				1409.2	441.4		
			74 51	10.220				242.1	1179.2		
BRISTOL MUNICIPAL TANK, 1933	-3340 368		40 05	51.796				1597.5	253.1		
			74 51	25.307				599.4	821.8		
BRISTOL, THOMAS L. LEEDOM CO., SILVER WATER TANK, 1933	-1751 89		40 05	02.900				89.4	1761.2		
			74 51	20.459				484.6	936.6		
BRISTOL, GRUNDY CO. INC. TANK, 1935	-3340 372		40 06	15.170				467.9	1382.7		
			74 51	09.028				213.8	1207.3		
BRISTOL, GRUNDY WORSHIP MILLS CLOCK TOWER, 1933	-1751 89		40 06	14.828				457.3	1393.3		
			74 51	09.693				229.6	1191.5		
BRISTOL WARNER J. STEEL CO. TANK, 1935	-3340 372		40 06	10.855				334.8	1515.8		
			74 51	07.646				181.1	1240.0		
BRISTOL, C.L.	-3340		40 05	57.227				1765.1	85.5		
ANDERSON'S HOUSE CUPOLA, 1935	371		74 50	48.579				1150.6	270.5		
BRISTOL, ST. MARKS CATHOLIC CH. SP. 1935	-3340 371		40 06	00.366				11.3	1839.3		
			74 50	46.946				1112.0	309.2		

COMPUTED BY: H.R. Rudolph

DATE Feb. 2, 1948

CHECKED BY: L.A. Senasack

DATE 2-18-48

M-2388-12

MAP T- 8766

PROJECT NO PH-7(46)F

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION AC6NDX No. Pg.	DATUM N.A. 1927	LATITUDE OR ν -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
				FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
SWAIN, 1912 ✓	G-3340 357	.	40 05 59.322 74 50 36.578				1829.7 866.4	20.9 554.8		
ZINC, 1935 ✓	-3340 357	.	40 06 10.388 74 50 22.532				320.4 533.7	1530.2 887.4		
BRISTOL, SUPERIOR ZINC CORPORATION NORTH STACK, 1933	-1751 89	.	40 06 09.833 74 50 27.018				303.3 639.9	1547.3 781.2		
EAST, 1912 ✓	-3340 358	.	40 06 30.761 74 49 48.850				948.8 1156.9	901.8 264.1		
BRIDGE 2, 1935 ✓	-3340 358	.	40 06 04.502 74 49 51.016				138.9 1208.4	1711.7 212.8		
ANCHOR C.L. (USE) 1935	-3340 373	.	40 06 32.653 74 49 48.610				1007.1 1151.2	843.5 269.7		
FLEET, 1935 ✓	-3340 358	.	40 06 30.541 74 50 11.855				942.0 280.8	908.6 1140.2		
PATTERSON, PARCHMONT PAPER COMPANY, WATER TANK, 1933	-1751 87	.	40 07 52.831 74 49 11.922				1629.5 282.3	221.1 1138.3		
LANDRETH 2, 1935 ✓	-3340 358	.	40 06 57.313 74 50 01.639				1767.7 38.8	82.9 1382.0		
KEYSTONE C.L. (USE), 1935 ✓	-3340 373	.	40 06 49.444 74 49 43.633				1525.0 1033.3	325.6 387.6		
CAR, 1912 ✓	-3340 358	.	40 06 51.730 74 49 42.621				1595.5 1009.4	255.1 411.6		
CAR ECCENTRIC, 1933 ✓	-1664 68	.	40 06 51.850 74 49 38.978				1599.2 923.1	251.4 497.8		

1 FT. = 3048006 METER

COMPUTED BY: H.R. Rudolph

DATE Feb. 4, 1948

CHECKED BY: L.A. Senasack

DATE 2-18-48

M-2388-12

MAP T. 8766

PROJECT NO. PH-7(46)F

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION A.C. (INDEX) No. Pg.	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 CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
						FORWARD	(BACK)	
WOOD, 1912 ✓	G-3340 373	.	40 07 15.691 74 49 29.709			484.0	1366.6	
HAWKES, 1935 ✓	" 358	.	40 07 12.078 74 49 54.053			372.5	1478.1	
STATION 59B(USE) 1935 ✓	" 373	.	40 07 14.4358 74 49 52.727			1280.0	140.8	
INTERVIEW-2, 1935 ✓	" 359	.	40 07 24.044 74 49 47.826	4057		741.6	1109.0	
CHURCH C.L. (USE) 1935 ✓	" 375	.	40 07 38.912 74 49 35.918			1132.5	288.3	
ELBOW, 1935 ✓	" 359	.	40 07 38.009 74 49 35.892			1200.2	650.4	
STATION 57A (USE) 1935 ✓	" 374	.	47 07 35.379 74 49 49.533			850.5	570.2	
PAPER, 1935 ✓	" 359	.	40 07 44.400 74 49 22.868			11723	678.3	
PATTERSON PARCH- MENT PAPER CO. 1751 STACK, 1933 ✓	" 88	.	74 49 51.975 40 07 50.140			849.8	570.8	
EDGELY, PATTERSON PARCHMENT PAPER CO. STACK, 1935 ✓	-3340 373	.	74 49 13.562 40 07 45.710			1091.2	759.4	
FLORENCE RANGE FRONT LIGHT, 1935 ✓	-3340 374	.	74 49 20.473 40 07 49.020			936.0	484.6	
FLORENCE RANGE REAR LIGHT, 1935 ✓	" 374	.	74 49 31.642			1369.4	481.2	

1 FT. = 3048006 METER

COMPUTED BY: H.R. Rudolph

DATE Feb. 4, 1948

CHECKED BY: L.A. Senasack

DATE 2-18-48

M-2368-12

MAP T. 8766

PROJECT NO. PH-7(46)F

SCALE OF MAP

1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION ACCEDED No. Pg. 1927	DATUM N.A. 1927	LATITUDE OR U-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)	
WATER, 1935	✓ G-3340 -358	"	40 07 25.896 74 49 07.747				798.7 1051.9 183.4 1237.3		
* FLORENCE, FLORENCE PIPE & FOUNDRY CO.	✓ -3340 -373	"	40 07 22.133 74 49 15.717	* Destroyed - So reported by table set in 1947. Farm 528 filed 1950			682.6 1168.0 372.2 1048.6		
STEEL STACK, 1935									
LAMP 3, 1935	✓ -3340 359	"	40 07 47.032 74 48 49.867				1450.8 399.8 1180.7 239.9		
BROWN 2, 1935	✓ -3340 374	"	40 07 30.531 74 48 46.033				941.7 908.9 1090.0 330.7		
FLORENCE STAND- PIPE, 1933	✓ -3340 359	"	40 06 57.238 74 47 41.756				1765.4 85.2 988.8 432.0		
FLORENCE, ST. CLARES CATHOLIC CH. SP. 1935	✓ " 374	"	40 07 14.536 74 48 04.694				448.3 1402.3 111.2 1309.6		
ABANDONED PLANT STACK, 1933	✓ -1751 87	"	40 08 22.164 74 48 33.308				683.6 1167.0 788.5 631.9		
STATION 57 USED 1935	✓ -3340 374	"	40 07 44.15 74 49 23.18				1361.7 (488.9) 548.8 (871.8)		
BLUFF, 1935	✓ -3340 360	"	40 07 09.306 74 47 38.706				287.0 (1563.6) 916.6 (504.2)		
MON 8810, 1938	✓ Burlington Co. N.J. 605		457,263.8 1955.585.3	2,263.8 2,736.2			690.0 (834.0) 178.4 (1345.6)		
MON 8814, 1938	✓ "		460,666.9 1,961,718.2	666.9 4,333.1 1,718.2 3,281.8			203.3 (1230.7) 523.7 (1000.3)		

1 FT. = 3048008 METER

COMPUTED BY: H.R. Rudolph

DATE Feb. 4, 1948

CHECKED BY: L.A. Senasack

DATE 2-20-48

M-2388-12

MAP T. 8766

PROJECT NO. PH-7(46)F

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION No. Pg.	DATUM N.A. 1927	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
MON. 8821 1935	Burlington Co., N.J. G.C.S.	.	465,460.8	460.8 4,539.2		140.4 (1383.6)	
			1,970,327.1	327.1 4,672.9		99.7 (1424.3)	
TULL ECCENTRIC, 1933	G-1664 67	.	40 07 00.891			27.5 1823.1	
			74 46 59.044			1398.2 22.6	
TULL, 1912	"	.	40 07 05.884			181.5 1669.1	
			74 47 03.577			84.7 1336.4	
ROEBLING, ASSUMP- TION/CH.SP., 1933	1751 88	.	40 06 56.220			1734.0 116.6	
			74 47 06.996			165.7 1255.2	
ROEBLING C.L.(USE) 1935	3340 375	.	40 07 16.278			502.1 1348.6	
			74 46 40.549			960.2 460.6	
ROEBLING RANGE * FRONT LIGHT, 1935	3340 375	.	40 07 15.968	* Destroyed		492.5 1358.1	
			74 46 42.770			1012.8 408.0	
ROEBLING J.A. ROEB- LING LETTERED WATER TANK 1933	1751 87	.	40 07 13.575			418.7 1431.9	
ROEBLING REDBROWN WATER TANK, 1935	1751 87	.	74 46 23.781			563.1 857.7	
			40 07 13.424 *			414.0 1436.5	
			74 46 28.519			675.3 745.5	
ROEBLING RED STANDPIPE, 1933	1751 88	.	40 07 13.544 *			417.7 1432.8	
			74 46 27.463			650.3 770.5	
ROEBLING, J.A. ROEBLING CO. UN- LETTERED WATER TK. 1933	3340 360	.	40 07 10.958			338.0 1512.6	
			74 46 02.789			66.0 1354.8	
ROEBLING, J.A. ROEB- LING CO. TALLEST STACK, 1938	1751 87	.	40 07 08.772 X			270.6 1580.0	
			74 46 05.772			136.7 1284.1	
MON. 8817, 1938	Burlington Co., N.J. G.C.S.	.	462,796.8	2,796.8 2,203.2		852.5 (671.5)	
			1,965,566.2	566.2 4,433.8		172.6 (1351.4)	

1 FT. = 3048006 METER

COMPUTED BY: L.A. Senasack

DATE 2-20-48

CHECKED BY: H.R. Rudolph

DATE 2-26-48

M-2368-12

SCALE FACTOR

[illegible]

DATE 2-26-48

M-2388-12

COMPILATION REPORT

SHORELINE MANUSCRIPT, T - 8766

Manuscript T-8766 is one of four shoreline surveys in Project No. PH-7(46)F along the Delaware River. This manuscript covers the territory along the shoreline from Croyden, Pa. to Roebling, N.J. Compilation instructions for this project dated 25 March 1946, Supp. Instructions No. 1 dated 14 June 1946, and Supp. Instructions No. 2 dated 11 October 1946, have been complied with except for deviations herein noted.

26. CONTROL

For the layout of control on this manuscript refer to the radial plot report. A list of control stations is included in this report on Form M-2388-12.

The following stations were not held in the radial plot:

SUB. PT. EAST, 1912

FLORENCE, FLORENCE PIPE & FOUNDRY CO. STEEL STACK, 1935 *destroyed. Field edit.*

ROEBLING RANGE FRONT LT., 1935 (Refer to par. 4a of the field report for T-8767 concerning the recovery note for this station). *Field edit reports this light being moved. Forms 567 and 566 filed dated 4-18-50. - L.M.G.*

27. RADIAL PLOT

Refer to the combined radial plot report for Surveys T-8765 to T-8768, included ⁸⁸ ~~submitted to the Washington Office 14 May 1948. in T-8765.~~

28. DELINEATION

Compilation is in accordance with Photogrammetry Instructions No. 17 dated 15 September 1947.

Limits of areas of marsh, high ground and interpretation of other inland features were determined after careful stereoscopic examination of the photographs.

Field inspection was adequate for the area covered by this survey.

Refer to paragraph 19 of the Field Report for Survey T-8767. The delineation of Neshaminy Creek was extended to the limit of photographic coverage.

29. SUPPLEMENTARY DATA

U.S. Engineers Survey of the Delaware River, Philadelphia to Trenton, dated 1932, revised to 1941.

U. S. Engineers, Disposal Area Maps, Delaware River, scale 1"=200', various dated 1935 to 1945.

Street maps of the following cities: Bristol, Burlington, Florence.

30. MEAN HIGH WATER LINE

Delineation of the mean high water line is in accordance with field identification.

31. MEAN LOW WATER LINE

Only those parts of the MLWL identified by field inspection have been delineated,

32. DETAILS OFFSHORE FROM THE MHWL

Delineated in accordance with field identification.

33. WHARVES AND SHORELINE STRUCTURES

No comment

34. LANDMARKS AND AIDS TO NAVIGATION

Delineated in accordance with field identification.

Form No. 567, for these landmarks and aids to navigation, will be submitted when the compilation of sub-project PH-7(46)F is completed.

See section of Chart No. 296, attached to this report for landmarks to be deleted and names of landmarks to be changed as recommended by the field inspection party.

35. HYDROGRAPHIC CONTROL

~~Eleven~~

Twelve photo-hydro stations were located and delineated in accordance with field identification. A list of their descriptions is attached to this report.

36. LANDING FIELDS AND AERONAUTICAL AIDS

One Air Beacon No. 70 is shown on the manuscript.

See form No. 567 to be submitted at later date.

37. GEOGRAPHIC NAMES

Geographic names were taken from the final name standards furnished

37. GEOGRAPHIC NAMES (Continued)

this office, and a list of them is attached to this report.

39. JUNCTIONS

Junction was made with Survey T-8765 to the northeast, and Survey T-8767 to the southwest, and found to be in good agreement. The other boundaries are the project limits.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

This manuscript was compared with United States Geological Survey quadrangles Bristol and Trenton West and is in good agreement. Previous surveys Nos. T-3377 and T-3378 of the Coast and Geodetic Survey are in the area of this manuscript but were not available for comparison.

45. COMPARISON WITH EXISTING NAUTICAL CHARTS

This manuscript was compared with the U. S. Coast and Geodetic Survey Chart No. 296, scale 1:40,000, and found to be in good agreement.

The following topographic information shown on Survey T-8766 is of sufficient importance to warrant immediate application to the chart:

None.

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

None

Low water features are to be completed by the hydrographic party.

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

Respectfully submitted
29 December 1948

Morris K. Spencer
Engineering Draftsman

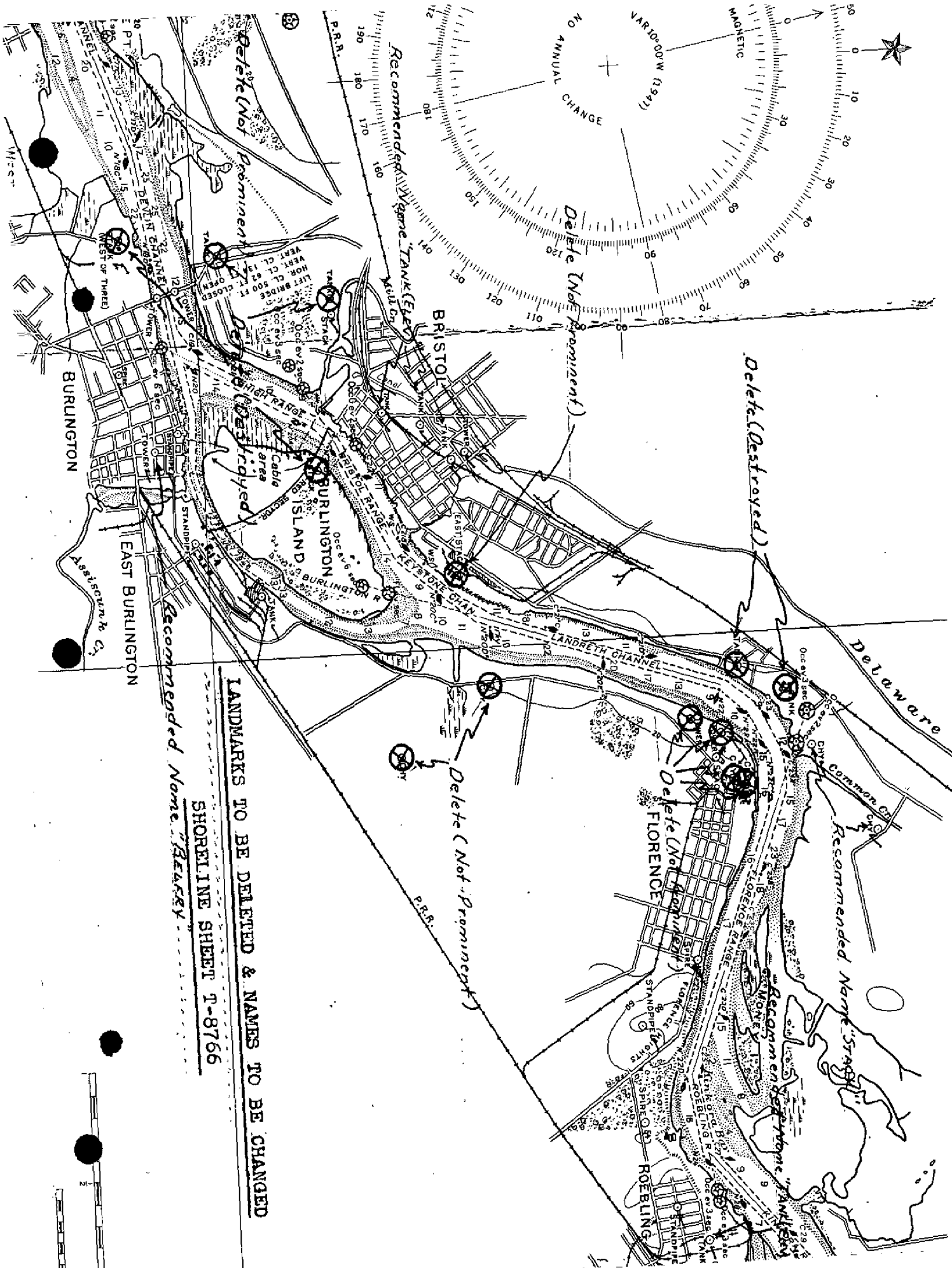
Harry R. Rudolph
Supervisor

Joseph W. Conacek
Photogrammetric Engineer
Photogrammetric Office Reviewer

Approved and forwarded
23 February 1949
Thos B. Rind
Officer in Charge
Baltimore Photogrammetric Office

PHOTO HYDRO STATIONS

Sig.No.	Description	Photo.No.
6603	Gable next to river of unpainted cabin along MHWL, approx. 20' above MHW.	2073
6604	Gable next to river of open shed over concrete wharf at the end of Mill St. Approx. 20' above MHW.	7075
6605	Corner of concrete bulkhead. Approx. 2' above MHW.	2102
6606	Downstream dolphin at the river end of old pier in ruins. Approx. 8' above MHW.	2102
6607	Peak of observation box atop center of small guard house at the river end of old concrete foundation. Approx. 25' above MHW.	2100
6608	NW corner of two story red brick flat top bldg. Approx. 35' above MHW.	2075
6609	Downstream gable of bldg. immediately inshore of skeleton steel light tower. Approx. 25' above MHW.	2098
6610	Upstream corner of elevated craneway. Approx. 50' above MHW.	2110
6611	Upstream corner of concrete foundation that supports dilapidated boat house on the downstream half. Approx. 2' above MHW.	2109
6612	Top center of oil tank nearest pier. Approx. 40' above MHW.	2109
6613	Upstream gable of white house at base of bluff. Approx. 30' above MHW.	2109
6614	Downstream gable of two story brick bldg. of Warner Gravel Co. located on dam near barge loading site. Approx. 40' above MHW.	2108



LANDMARKS TO BE DELETED & NAMES TO BE CHANGED

SHORELINE SHEET T-8766

Recommended Name "BARRY"

FIELD EDIT REPORT
SHORELINE SHEET T-8766
(40° 04') (74° 46')
PROJECT PH-7(46)

E. R. McCarthy, Chief of Party

The field edit survey of this sheet was made by Mr. R. A. Horn, Photogrammetrist, from 5 April 1949 to 11 April 1949, in accordance with The Director's Field Edit Instructions dated 24 August 1945 and supplementary instructions.

46. METHODS

See report on T-8767

47. ADEQUACY OF COMPILATION

The original field work was good and the compilation exceptional! The few minor changes necessary are shown on the edit sheet, photographs, and discrepancy print.

No further comments are necessary in this report.

49. REVIEWS

See report on T-8767

Submitted
15 April 1949

Robert A. Horn

Robert A. Horn
Photogrammetrist

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

**TO BE CHARTED
XOXOXXXXXXXXXX**

STRIKE OUT ONE

Florence, N. J. April 28 1950

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

The positions given have been checked after listing by L. Martin Garik

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating*

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED

STRIKE OUT ONE

Roebbing, N. J.

April 28 1950

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

The positions given have been checked after listing by L. Martin Gazik

S. W. Griffith *Chief of Party.*

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted objects shall be plotted in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted objects shall be plotted in accordance with Hydrographic Manual, pages 800 to 804.

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Roebeling, N. J.

April 28 1950

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

The positions given have been checked after listing by L. Martin Gazik

S. V Griffith *Chief of Party.*

[illegible]

Positions of charted landmarks 800 to 804. This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks 805 to 809.

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Burlington, N. J.

April 28 1950

~~It is recommended~~ that the following objects which have ~~(been used)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by L. Martin Gazik

S. V Griffith		Chief of Party.
1900	1901	1902
1903	1904	1905
1906	1907	1908
1909	1910	1911
1912	1913	1914
1915	1916	1917
1918	1919	1920
1921	1922	1923
1924	1925	1926
1927	1928	1929
1930	1931	1932
1933	1934	1935
1936	1937	1938
1939	1940	1941
1942	1943	1944
1945	1946	1947
1948	1949	1950
1951	1952	1953
1954	1955	1956
1957	1958	1959
1960	1961	1962
1963	1964	1965
1966	1967	1968
1969	1970	1971
1972	1973	1974
1975	1976	1977
1978	1979	1980
1981	1982	1983
1984	1985	1986
1987	1988	1989
1990	1991	1992
1993	1994	1995
1996	1997	1998
1999	2000	2001
2002	2003	2004
2005	2006	2007
2008	2009	2010
2011	2012	2013
2014	2015	2016
2017	2018	2019
2020	2021	2022
2023	2024	2025
2026	2027	2028
2029	2030	2031
2032	2033	2034
2035	2036	2037
2038	2039	2040
2041	2042	2043
2044	2045	2046
2047	2048	2049
2050	2051	2052
2053	2054	2055
2056	2057	2058
2059	2060	2061
2062	2063	2064
2065	2066	2067
2068	2069	2070
2071	2072	2073
2074	2075	2076
2077	2078	2079
2080	2081	2082
2083	2084	2085
2086	2087	2088
2089	2090	2091
2092	2093	2094
2095	2096	2097
2098	2099	2100

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating*

GEOGRAPHIC NAMES

- Adams Hollow Creek
- Assiscunk Creek
- Bristol
- Burlington
- Burlington Bristol Bridge
- Burlington Creek
- Burlington Island
- Bustleton Creek
- Cooperstown Branch
- Crafts Creek
- Croydon
- Croydon Creek
- Delaware Division, Pennsylvania Canal (abandoned)
- Delaware River
- East Burlington
- Edgely
- Florence
- Florence Heights
- Harriman
- Lake Louise
- Maple Beach
- Martins Creek
- Money Island
- Neshaminy Creek
- Newbold Island
- Otter Creek
- Pennsbury Historical Park
- Roebling
- Scott Creek
- Scott Creek Basin
- Tullytown Wharf

Names preceded by -
are approved 3/13/47
L. Heck

- U.S. 13
- U.S. 130 N.S. 25
- N.S. No 25
- Penna No. 413
- College Point Range
- Lehigh Range
- Kinkora Range
- Penna. R.R.
- Pennsylvania
- New Jersey

ranges are not named
on T-8767 & 8765 except
for lights.

Review Report T-8766
Shoreline Survey
April 28, 1950

62. Comparison with Registered Topographic Surveys:

T-167	1:10,000	1843
T-171	1:10,000	1843
T-173	1:10,000	1843
T-3377	1:20,000	1912
T-3378	1:20,000	1912
T-6497	1:10,000	1935

Areas of the above that are common to this survey have been superseded for nautical charting purposes.

63. Comparison with Maps of Other Agencies:

Trenton West, N.J.,-Pa.	1:25,000	A.M.S.	1947
Bristol, Pa.,-N.J.	1:25,000	A.M.S.	1947
Trenton, N.J.,-Pa.	1:125,000	U.S.G.S.	Reprint 1943
Burlington, Pa.,-N.J.	1:62,500	U.S.G.S.	Reprint 1945
Beverly, Pa., N.J.	1:25,000	A.M.S.	1947

See comment under item 44 of the Compilation Report. - L.M.G.

64. Comparison with Contemporary Hydrographic Surveys:

None contemporary.

65. Comparison with Nautical Charts:

Chart 296 1:40,000 Sept. 1948 (Revised)
See comment under item 45 of the Compilation Report. - L.M.G.

66. Adequacy of Manuscript:

This survey complies with the National Standards of Map Accuracy.

67. Mean Range of Tide:

The mean range of tide has been incorrectly reported on the reverse side of each of the field photographs as varying between 7 and 8 feet.

The Tide Tables, Atlantic Ocean, 1946, (date of photo.) indicate the mean range as being 6.1 feet at Florence, N.J.

68. Miscellaneous:

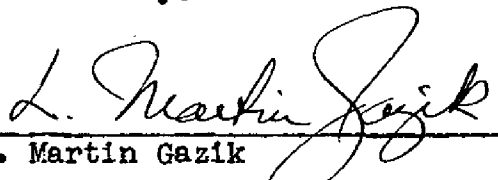
- (a) POINTS ON RANGE -- sextant angles for these can be found in the field inspection section of the Descriptive Report for T-8765.

No range lights existed at the time of this survey for the sharp bend of the Delaware River at Florence N. J. which would have connected Burlington Island

Range with the Florence Range.

- (b) Hercules Powder Co., tank and stack not appearing on the photos used during compilation were located from the sextant angles furnished by field inspection and included in Descriptive Report for T-8765. Forms 524 for these stations furnish additional information.
- (c) Triangulation station LANDRETH 2, 1935 at Harriman, Pa., is properly shown beyond the MHW line.


Reviewed by:

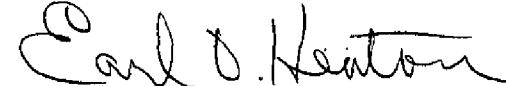

L. Martin Gazik

Approved by:

 21 Jan 51
Chief, Review Section
Division of Photogrammetry


Chief, Nautical Chart Branch
Division of Charts *CH*


Chief, Div. of Photogrammetry 


Chief, Div. Coastal Surveys *CH*

NAUTICAL CHARTS BRANCH

SURVEY NO. T 8766

Record of Application to Charts

[illegible]

M-216B-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.