

FULL TITLE War Department, Corps of Engineers, U.S. Army. Schuylkill River, Wissahickon Creek, Phila., PA. to Norristown, PA. Surveyed by J. W. Thompson, Junior Engineer, Aug. to Dec. 1913. L. D. Schuman, Assistant Engineer. Plotted by J.H.J. Traced by E.L.M. In 18 sheets.

DATE 1913

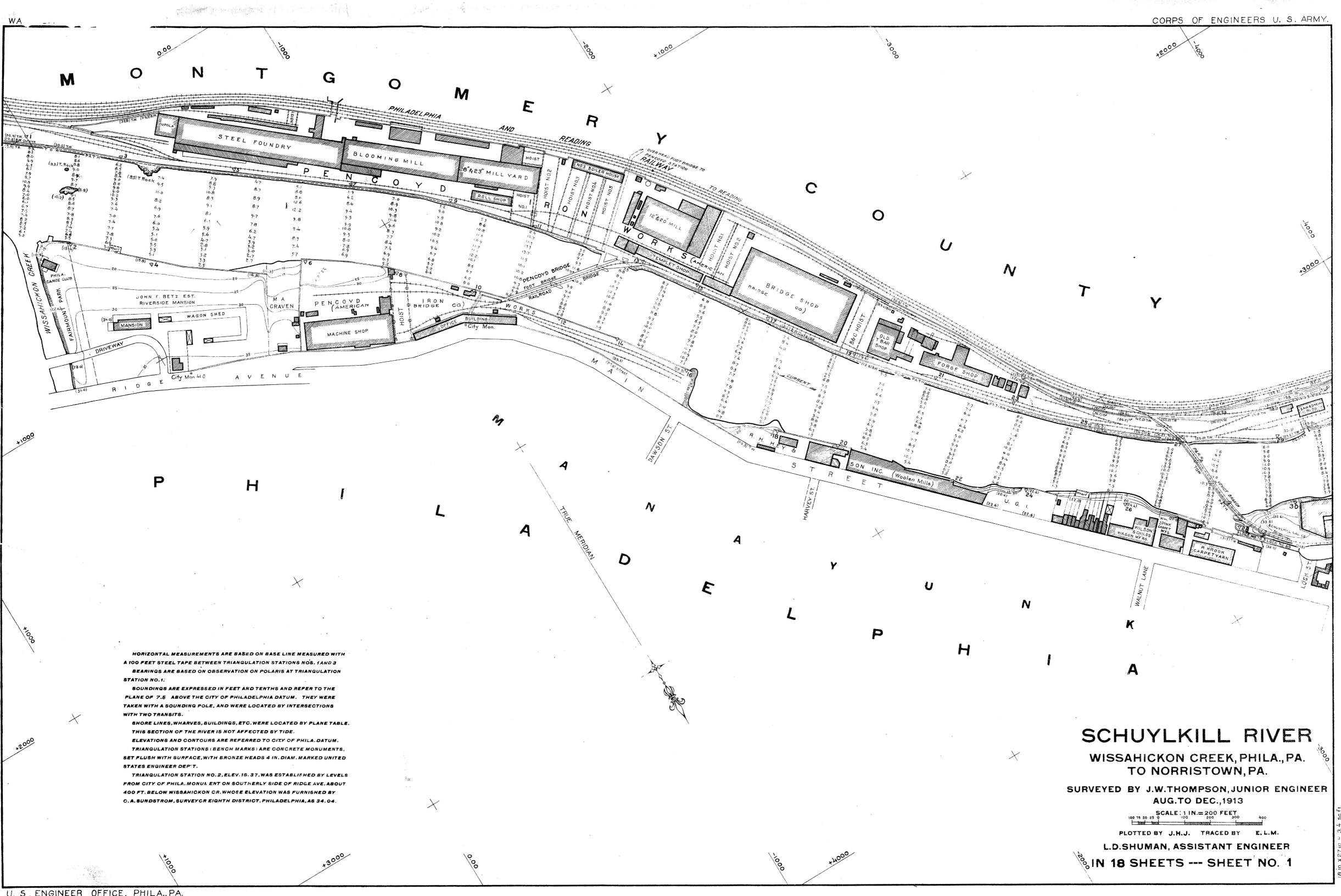
EXTENT 18 maps showing Schuylkill riverfront from Wissahickon Creek to Norristown. Of the 18, five show only soundings of the river depth, three show the triangulation stations used to create the maps, one lists freshets (or floods) on the river up to 1913, and one is an index map. Sheet 1 begins at the Wissahickon, and the set continues upstream from there.

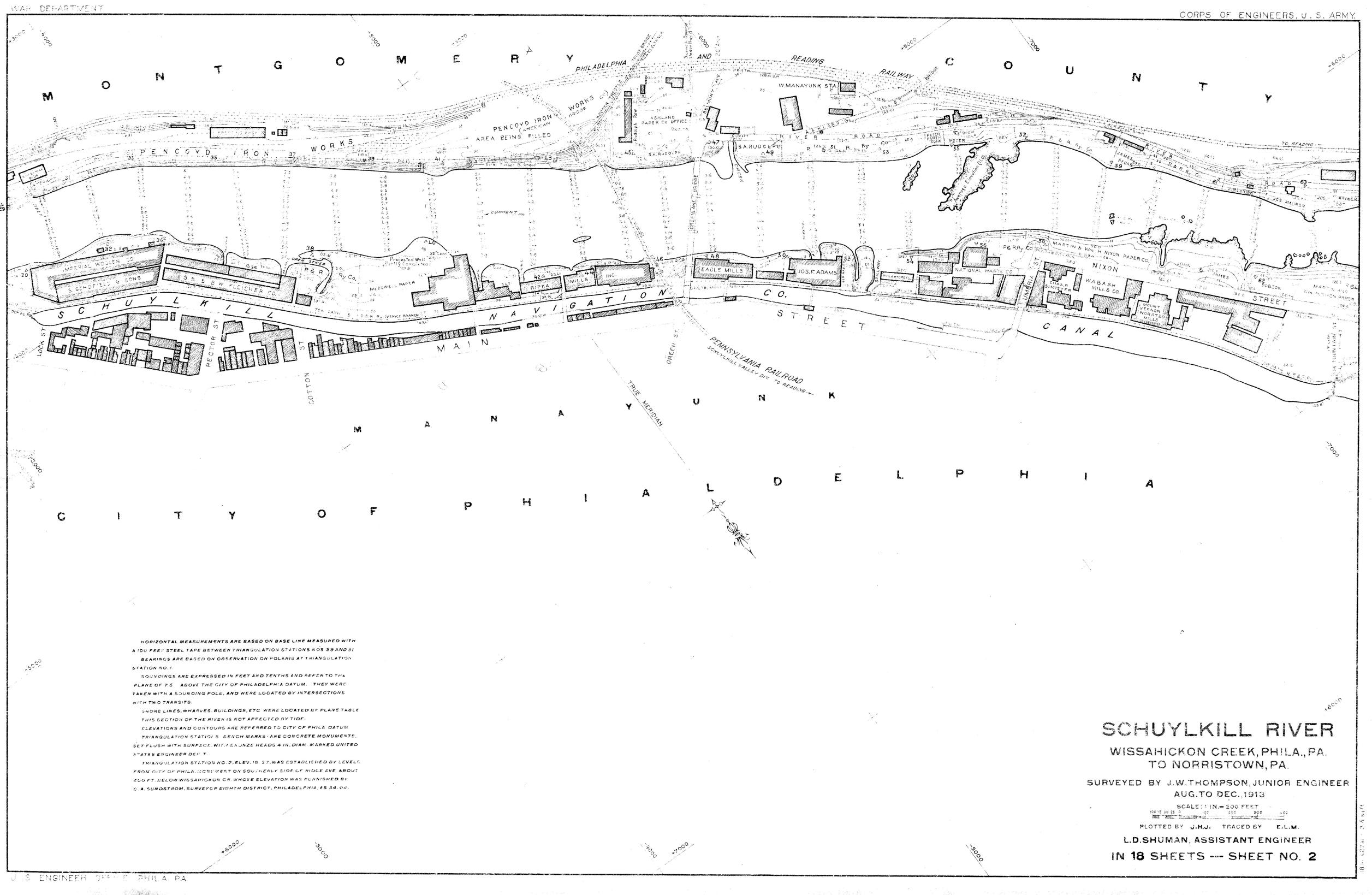
SOURCE These maps were found in the collection of the Survey and Design Bureau of the Philadelphia Streets Department. They were scanned by Adam Levine using a roll-through plotter at the Survey office, set to produce uncompressed .tiff files at a bitmap resolution. The original plans are positive blueprints, with blue ink on a white or yellowing paper. Each is 18 x 27 inches, with a scale of 1 inch = 200 feet.

This PDF was downloaded from the PWD history website

WaterHistoryPHL







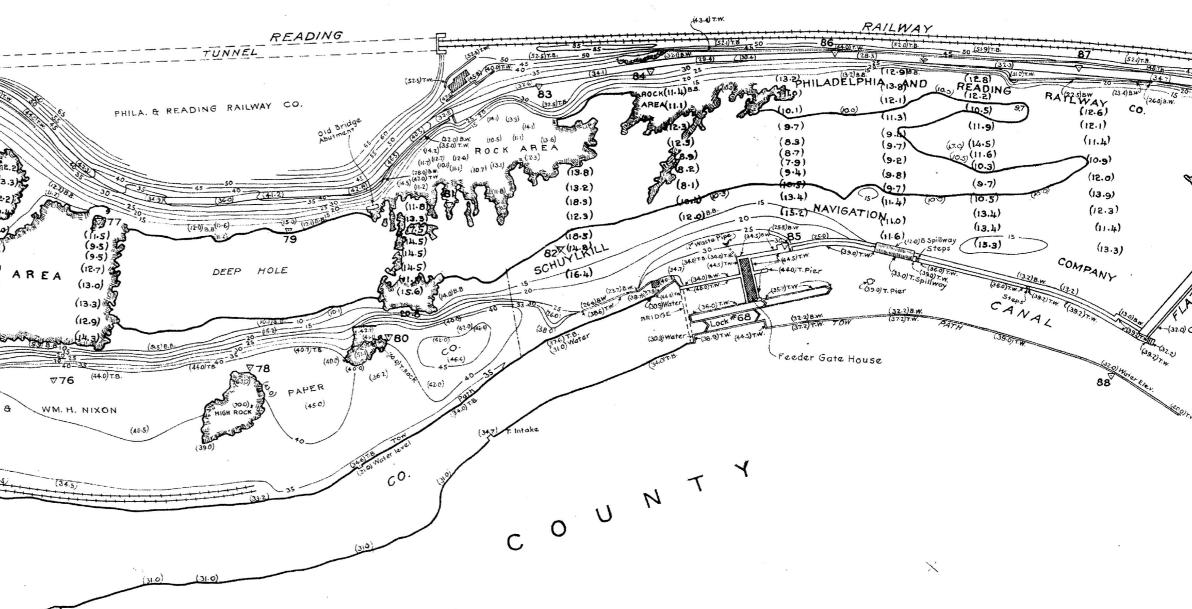
网络马克斯特尔马克马克斯特马马马马克 化丁基马克马克斯马克 WAR DEPARTMENT MONTGOM elT. Bridge Abutme (12.9) (13.1) (12.6) (7.5) (7.5) (13.2) Wall T.W. (35.0) (33.2) CO. 064 NIXON NAVIGATION SCHUYLKILL MANAYUNK PHILADELPHI HORIZONTAL MEASUREMENTS ARE BASED ON BASE LINE MEASURED WITH A 100 FEET STEEL TAPE BETWEEN TRIANGULATION STATIONS NOS. 61 AND 63 BEARINGS ARE BASED ON OBSERVATION ON POLARIS AT TRIANGULATION STATION NO.1. SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO THE PLANE OF 7.5 ABOVE THE CITY OF PHILADELPHIA DATUM. THEY WERE TAKEN WITH A SOUNDING POLE, AND WERE LOCATED BY INTERSECTIONS WITH TWO TRANSITS. SOUNDINGS SHOWN THUS (7.9) SHOW ELEV. ABOVE CITY OF PHILA. DATUM. SHORE LINES, WHARVES, BUILDINGS, ETC. WERE LOCATED BY PLANE TABLE. THIS SECTION OF THE RIVER IS NOT AFFECTED BY TIDE. ELEVATIONS AND CONTOURS ARE REFERRED TO CITY OF PHILA. DATUM. TRIANGULATION STATIONS (BENCH MARKS) ARE CONCRETE MONUMENTS, SET FLUSH WITH SURFACE, WITH BRONZE HEADS 4 IN. DIAM. MARKED UNITED STATES ENGINEER DEP'T. TRIANGULATION STATION NO. 2, ELEV. 15.37, WAS ESTABLISHED BY LEVELS FROM CITY OF PHILA. MONUMENT ON SOUTHERLY SIDE OF RIDGE AVE. ABOUT

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400 FT. BELOW WISSAHICKON CR. WHOSE ELEVATION WAS FURNISHED BY C. A. SUNDSTROM, SURVEYOR EIGHTH DISTRICT, PHILADELPHIA, AS 34,04.

COUNTY



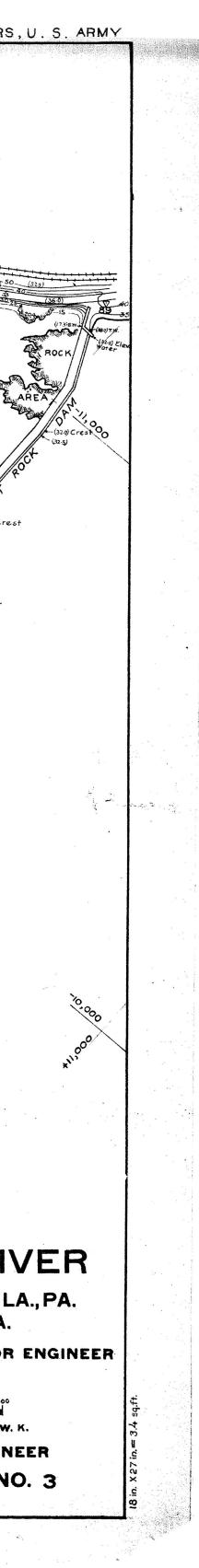
SCHUYLKILL RIVER

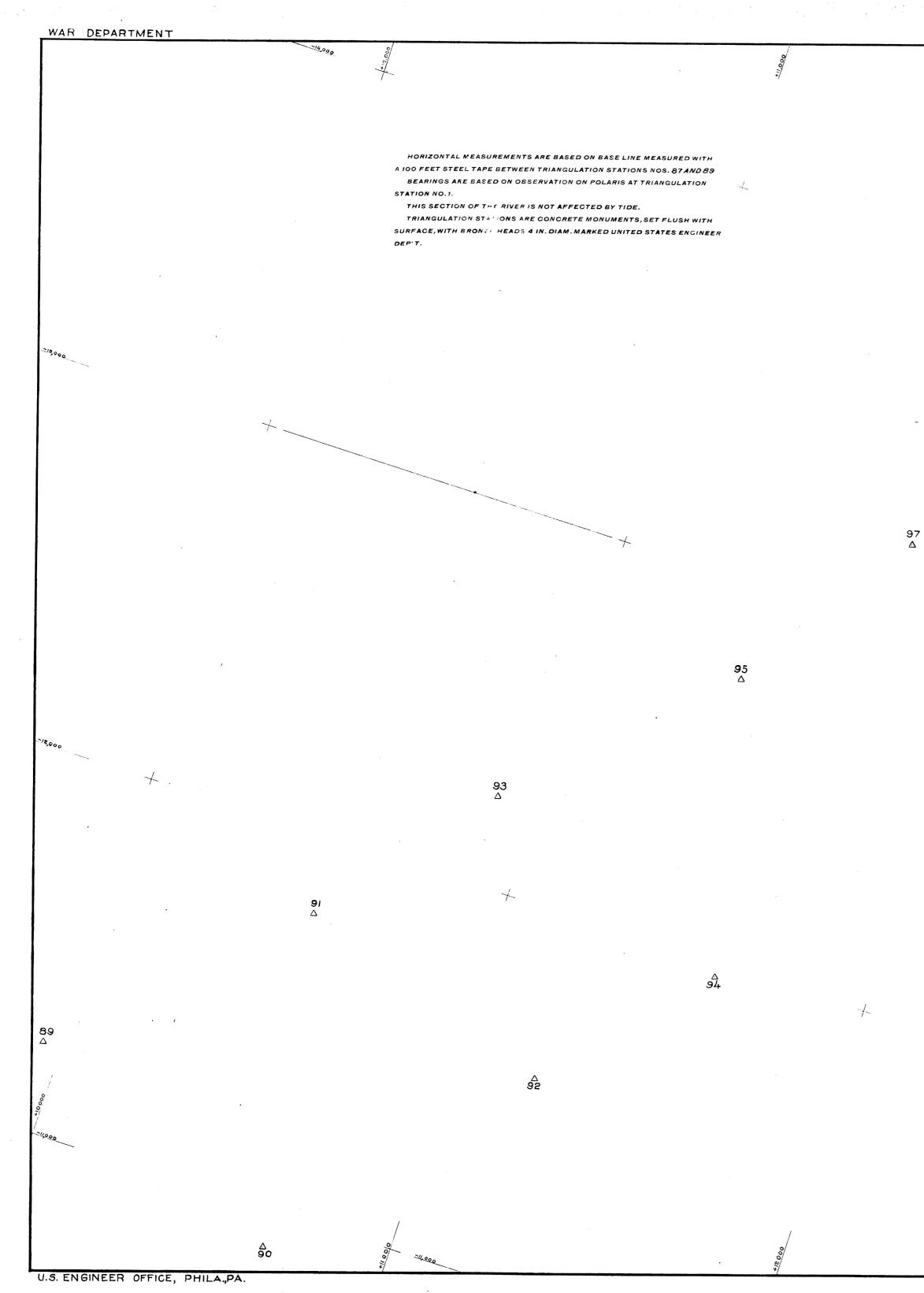
WISSAHICKON CREEK, PHILA., PA. TO NORRISTOWN, PA.

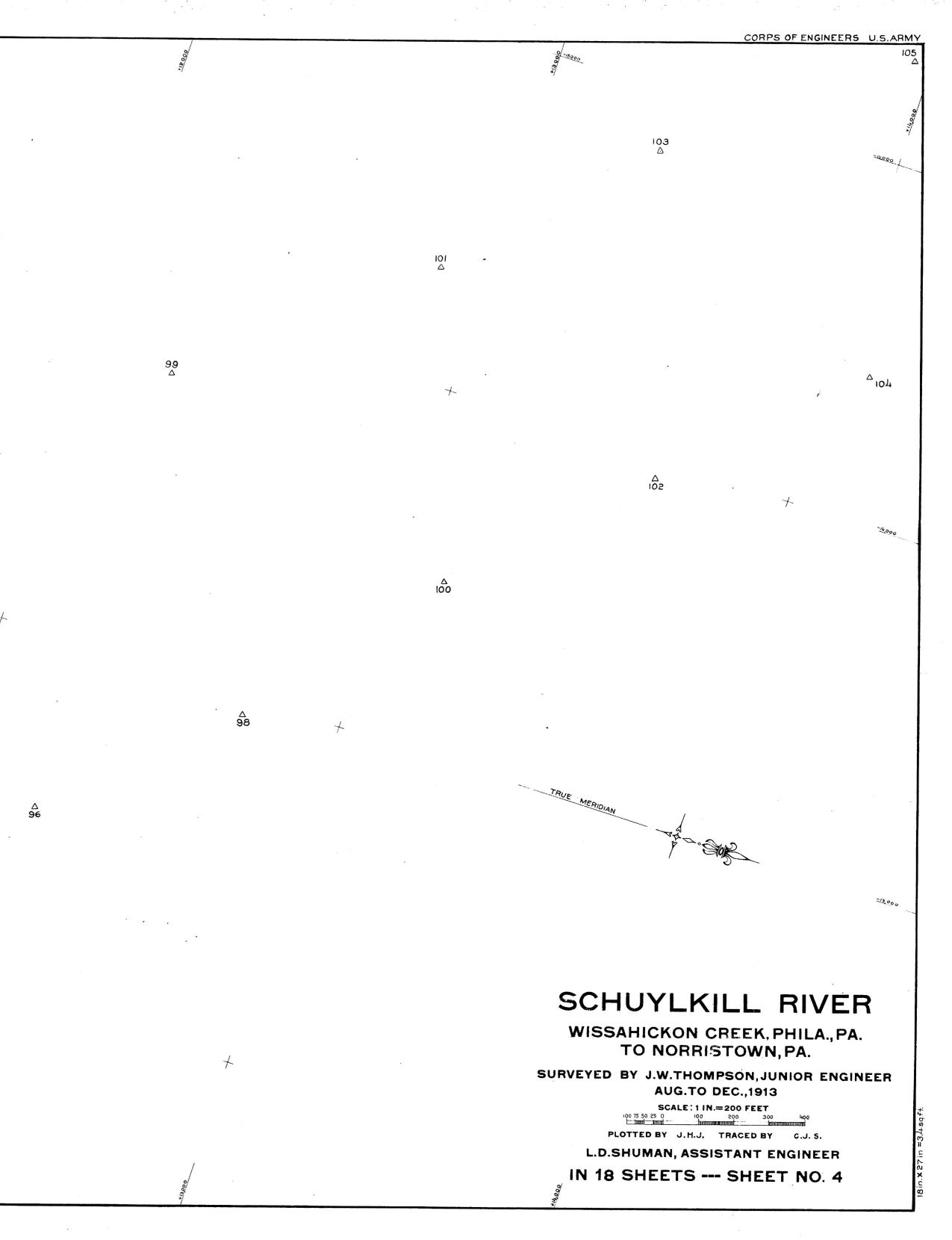
SURVEYED BY J.W.THOMPSON, JUNIOR ENGINEER AUG.TO DEC., 1913

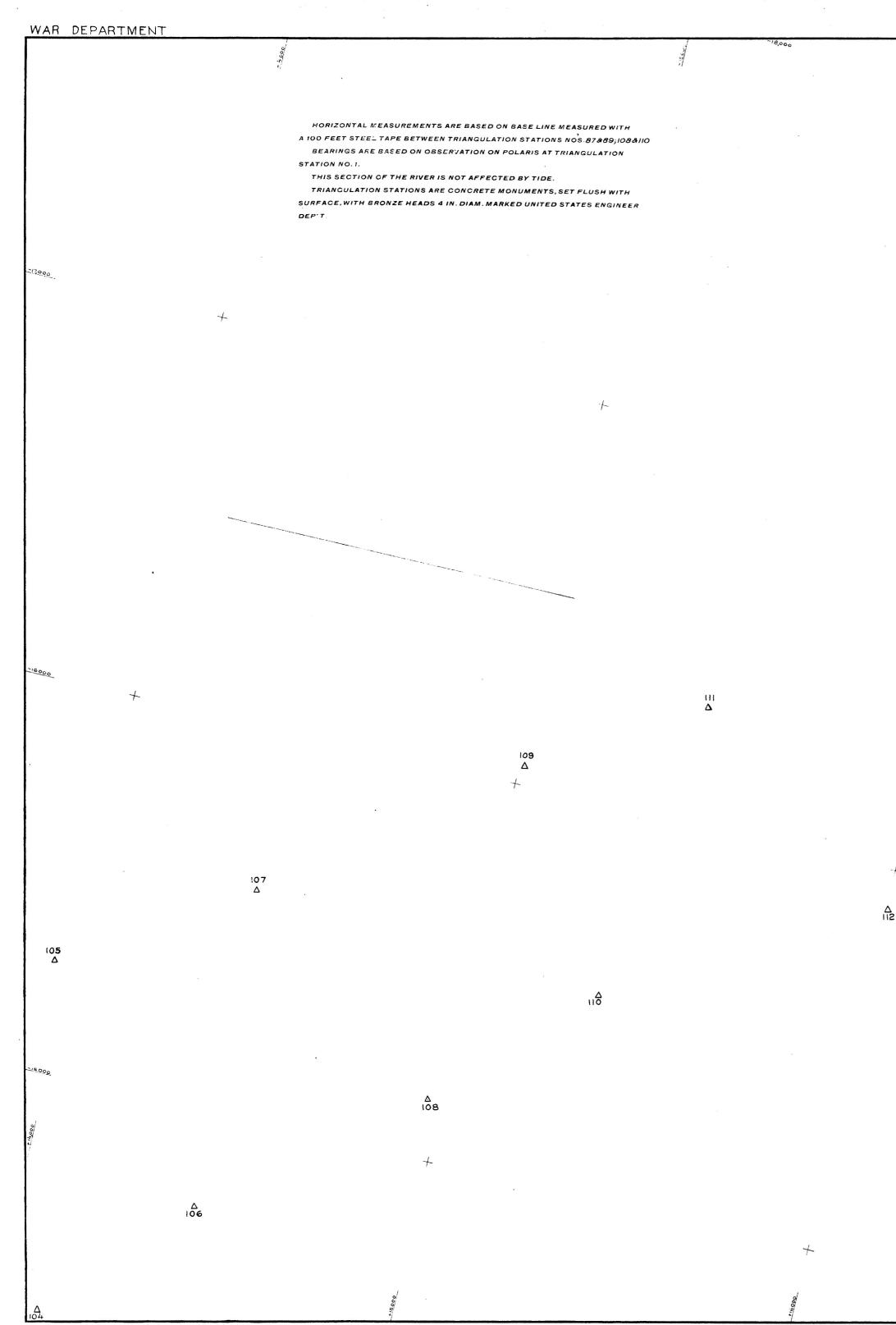
SCALE: 1 IN.= 200 FEET 100 75 50 25 0 <u>Intel Intel Intel Intel Intel Internet Internet Internet Internet</u> PLOTTED BY J.H.J. TRACED BY C.W.K.

L.D.SHUMAN, ASSISTANT ENGINEER

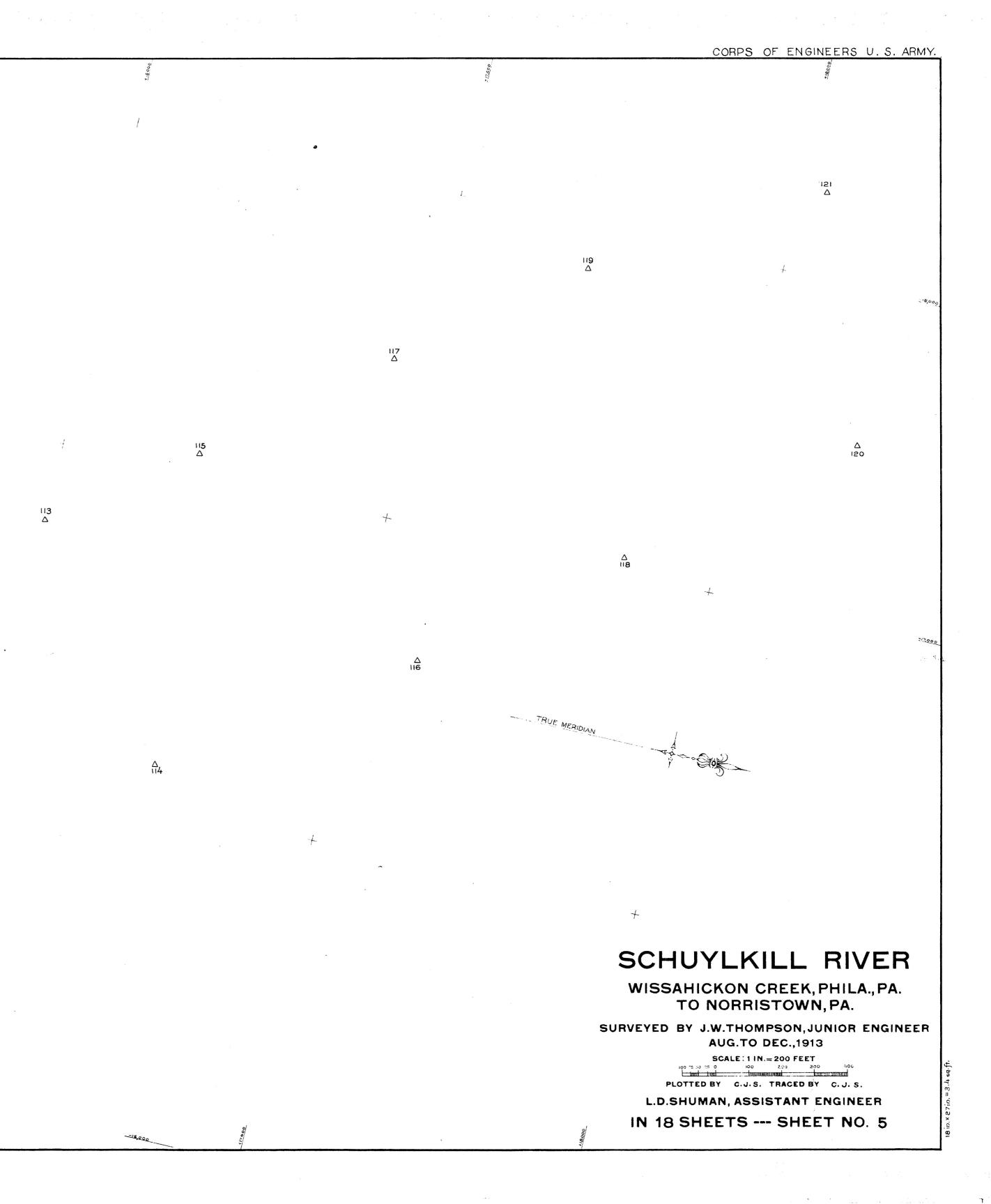








U. S. ENGINEER OFFICE, PHILA., PA.



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HORIZONTAL MEASUREMENTS ARE BASED ON BASE LINE MEASURED WITH A 100 FEET STEEL TAPE BETWEEN TRIANGULATION STATIONS NOS.108 #110;128 #130 BEARINGS ARE BASED ON OBSERVATION ON POLARIS AT TRIANGULATION STATION NO.1.

THIS SECTION OF THE RIVER IS NOT AFFECTED BY TIDE. triangulation stations are concrete monuments, set flush with

SURFACE, WITH BRONZE HEADS 4 IN. DIAM. MARKED UNITED STATES ENGINEER DEP'T.

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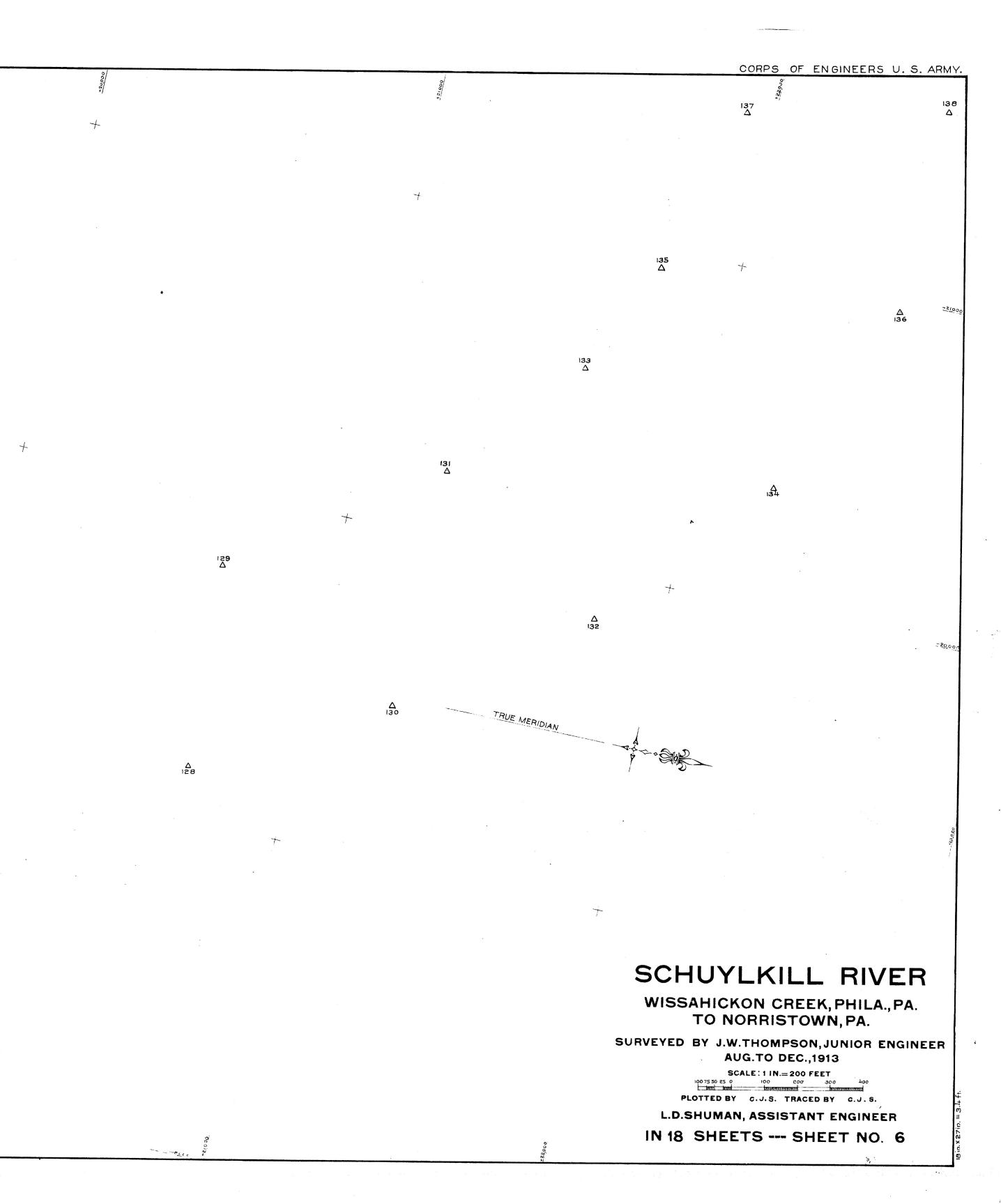
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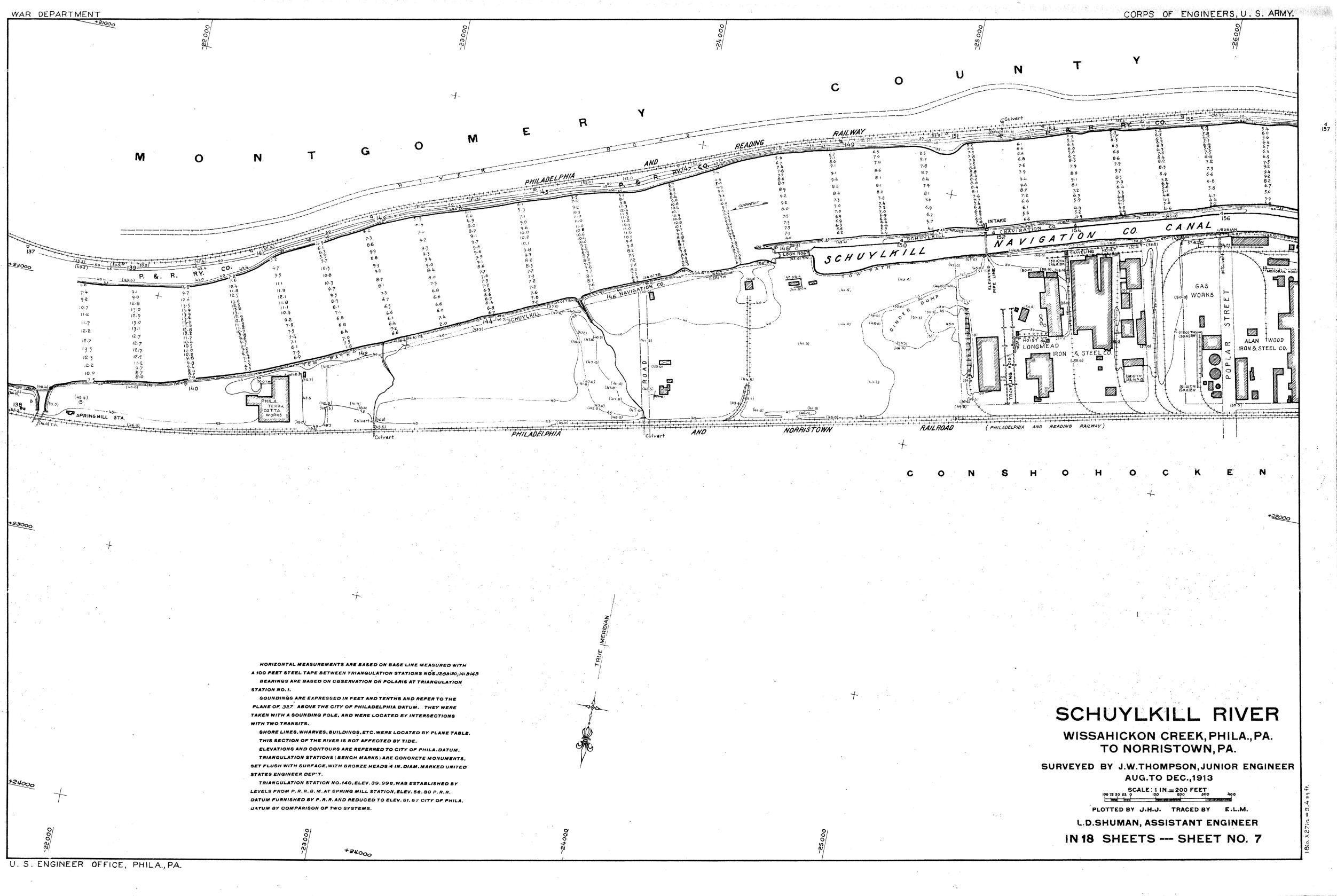
U. S. ENGINEER OFFICE, PHILA., PA.

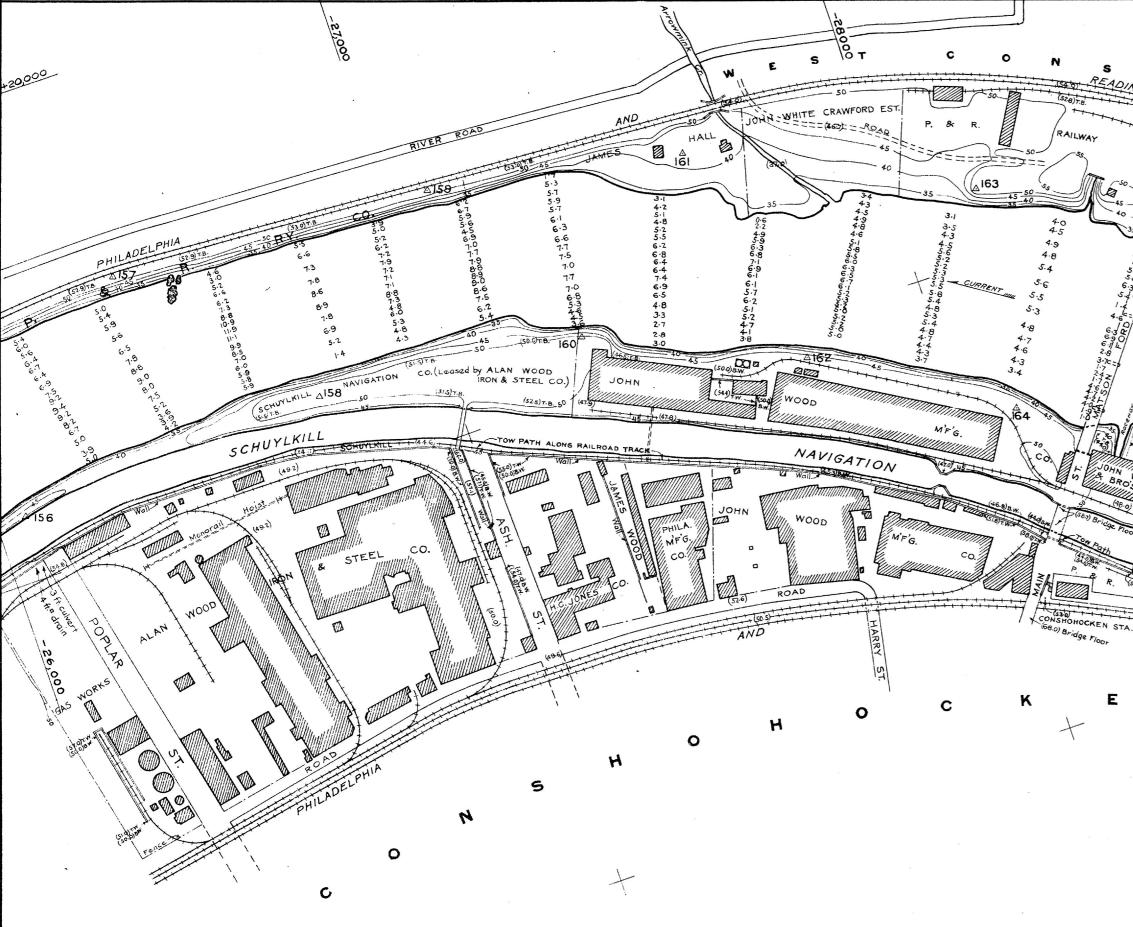
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HORIZONTAL MEASUREMENTS ARE BASED ON BASE LINE MEASURED WITH A 100 FEET STEEL TAPE BETWEEN TRIANGULATION STATIONS NO'S. 141&143 ,162&164 BEARINGS ARE BASED ON OBSERVATION ON POLARIS AT TRIANGULATION M

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STATION NO.1.

SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO THE PLANE OF 33.7 ABOVE THE CITY OF PHILADELPHIA DATUM. THEY WERE TAKEN WITH A SOUNDING POLE, AND WERE LOCATED BY INTERSECTIONS WITH TWO TRANSITS.

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SHORE LINES, WHARVES, BUILDINGS, ETC. WERE LOCATED BY PLANE TABLE. THIS SECTION OF THE RIVER IS NOT AFFECTED BY TIDE.

ELEVATIONS AND CONTOURS ARE REFERRED TO CITY OF PHILA. DATUM. TRIANGULATION STATIONS (BENCH MARKS) ARE CONCRETE MONUMENTS, SET FLUSH WITH SURFACE, WITH BRONZE HEADS 4 IN. DIAM. MARKED UNITED STATES ENGINEER DEP'T.

TRIANGULATION STATION NO.140, ELEV. 39.996, WAS ESTABLISHED BY LEVELS FROM P. R. R. B. M. AT SPRING MILL STATION, ELEV. 56.80 P. R. R. DATUM FURNISHED BY P. R. R. AND REDUCED TO ELEV. 51.57 CITY OF PHILA. DATUM BY COMPARISON OF TWO SYSTEMS.

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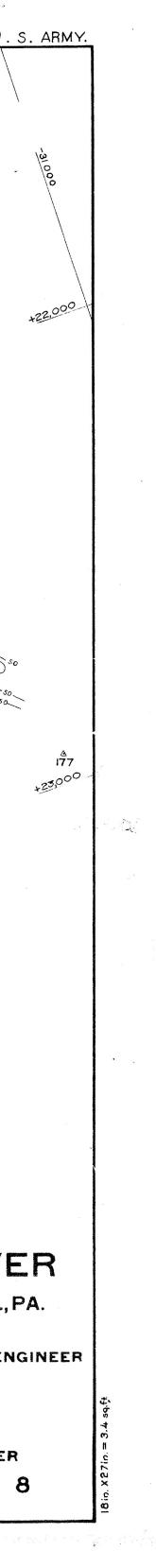
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SCHUYLKILL RIVER

WISSAHICKON CREEK, PHILA., PA. TO NORRISTOWN, PA.

SURVEYED BY J.W.THOMPSON, JUNIOR ENGINEER AUG.TO DEC., 1913 SCALE: 1 IN.= 200 FEET

PLOTTED BY J.H.J. TRACED BY C.W.K. L.D.SHUMAN, ASSISTANT ENGINEER IN 18 SHEETS --- SHEET NO. 8



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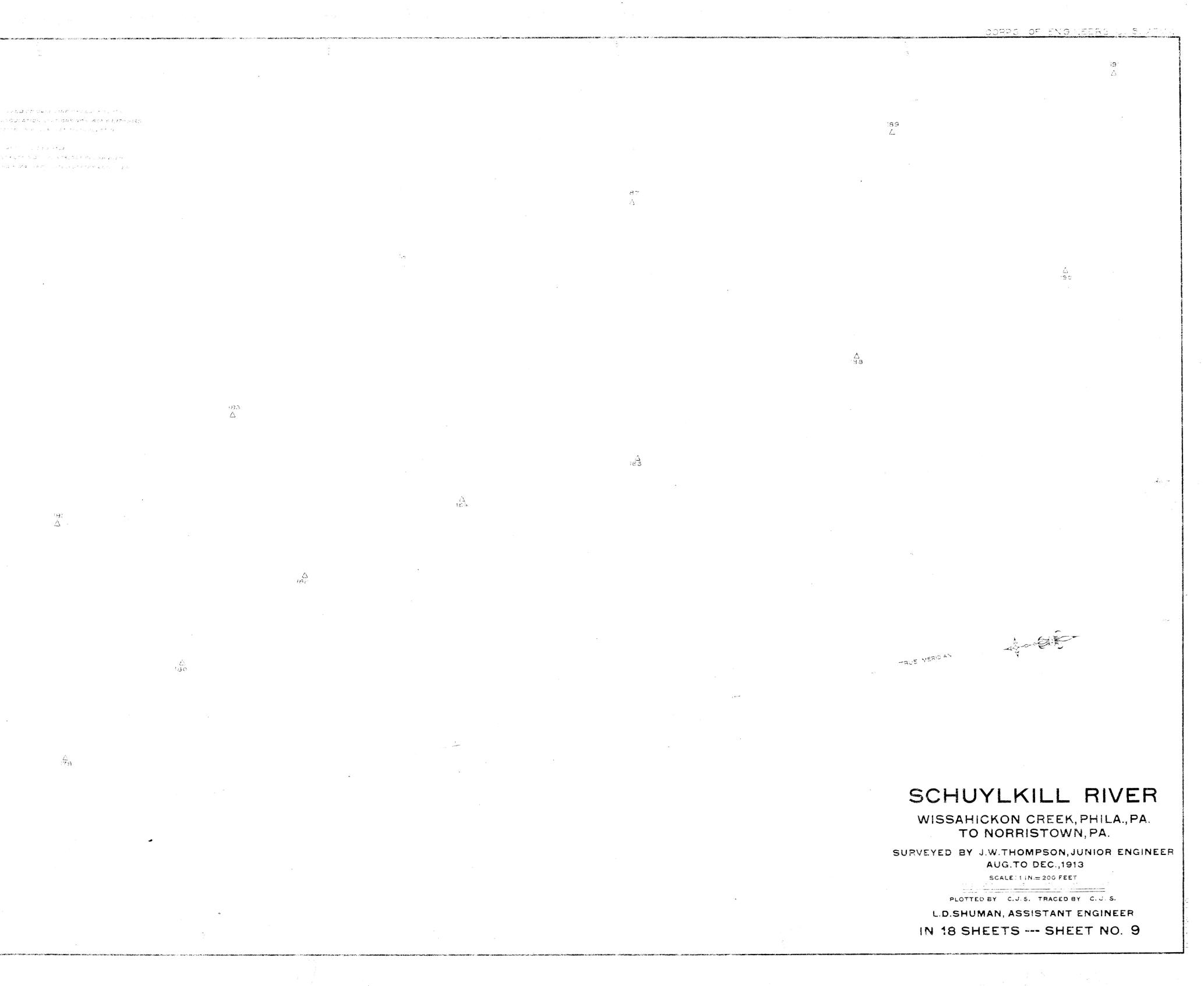
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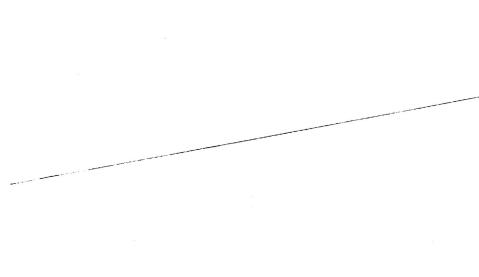
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HORIZONTAL MEASUREMENTS ARE BASED ON BASE LINE MEASURED WITH A 100 FEET STEEL TAPE BETWEEN TRIANGULATION STATIONS NOS. 1908 192 BEARINGS ARE BASED ON OBSERVATION ON POLARIS AT TRIANGULATION STATION NO.1.

THIS SECTION OF THE RIVER IS NOT AFFECTED BY TIDE.





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SCHUYLKILL RIVER

WISSAHICKON CREEK, PHILA., PA. TO NORRISTOWN, PA.

SURVEYED BY J.W.THOMPSON, JUNIOR ENGINEER AUG.TO DEC.,1913

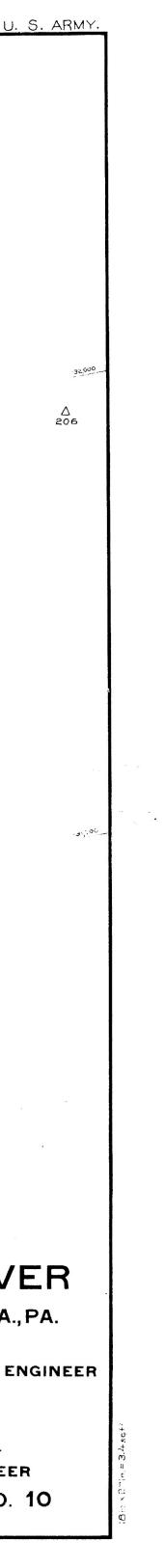
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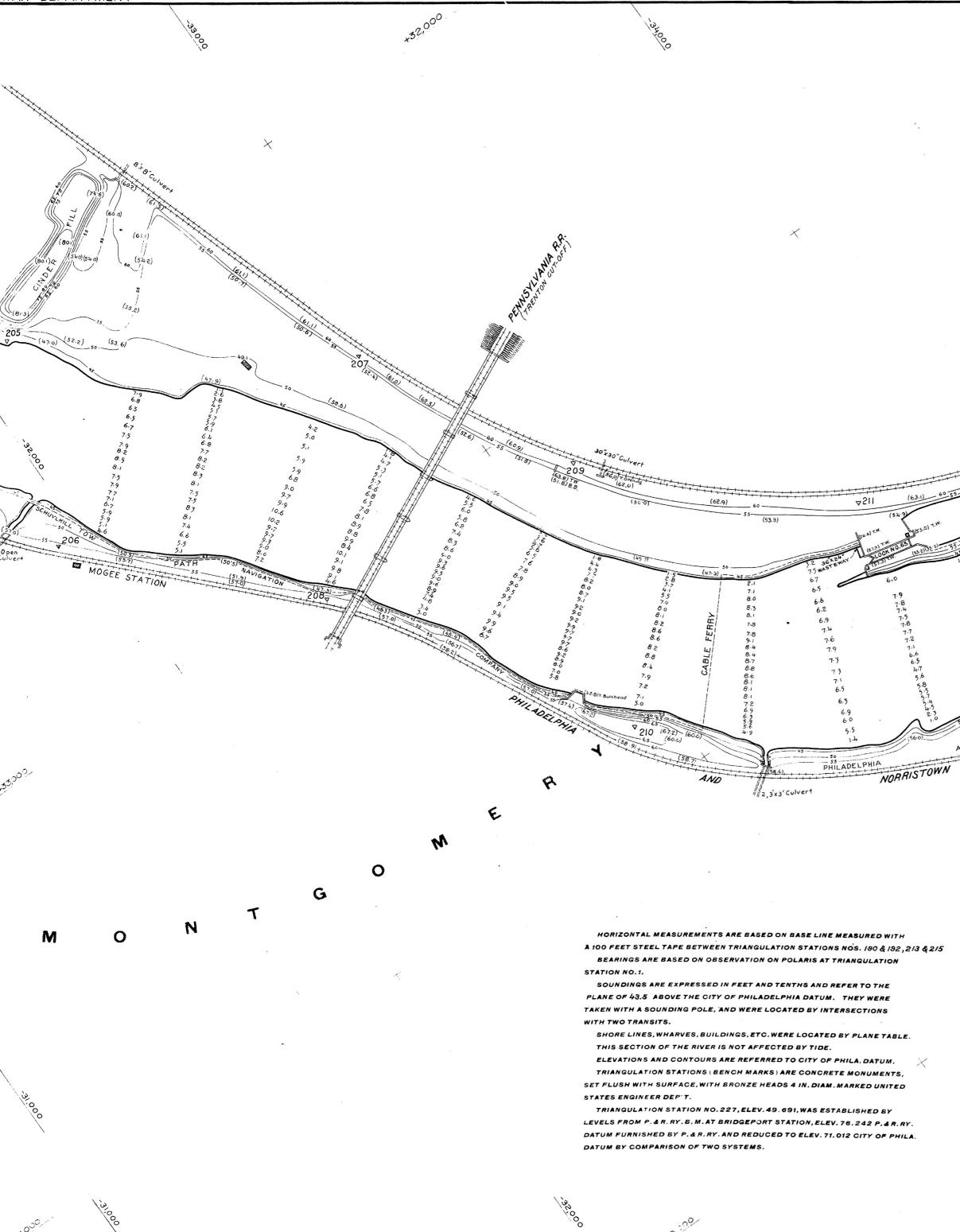
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L.D.SHUMAN, ASSISTANT ENGINEER

IN 18 SHEETS --- SHEET NO. 10





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RAILROAD (PHILADELPHIA & READING

3'x3' Culvert

U. S. ENGINEER OFFICE, PHILA., PA.

SCHUYLKILL RIVER

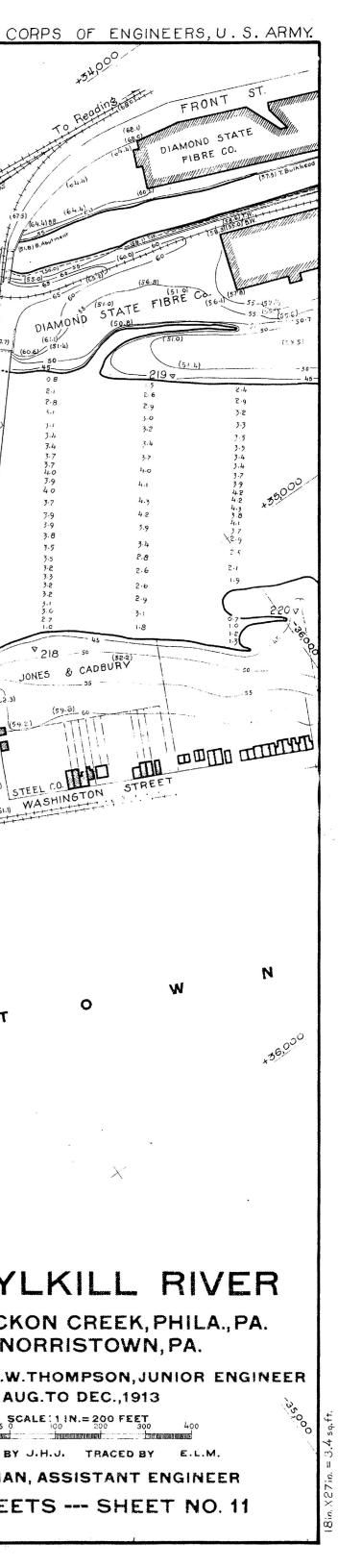
WISSAHICKON CREEK, PHILA., PA. TO NORRISTOWN, PA.

SURVEYED BY J.W.THOMPSON, JUNIOR ENGINEER AUG.TO DEC.,1913

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PLOTTED BY J.H.J. TRACED BY E.L.M. L.D.SHUMAN, ASSISTANT ENGINEER

IN 18 SHEETS --- SHEET NO. 11



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DIAMOND STATE FIBRE

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JONES & CADBURY

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MAGNESIA AND ASBESTOS CO. 161

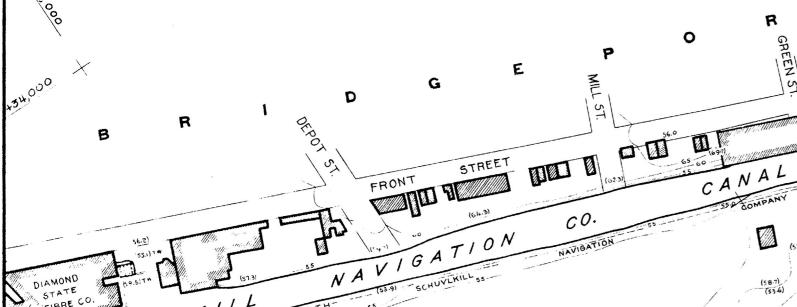
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HORIZONTAL MEASUREMENTS ARE BASED ON BASE LINE MEASURED WITH

- A 100 FEET STEEL TAPE BETWEEN TRIANGULATION STATIONS NOS.213&215,251&253,231&254 BEARINGS ARE BASED CN OBSERVATION ON POLARIS AT TRIANGULATION
- STATION NO.1.
- SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO THE PLANE OF 43.5 BELOW DAM AND 53.4 ABOVE DAM, ABOVE THE CITY OF PHILA. DATUM. THEY WERE TAKEN WITH A SOUNDING POLE, AND WERE LOCATED BY INTERSECTIONS WITH TWO TRANSITS.
- SHORE LINES, WHARVES, BUILDINGS, ETC. WERE LOCATED BY PLANE TABLE. THIS SECTION OF THE RIVER IS NOT AFFECTED BY TIDE
- ELEVATIONS AND CONTOURS ARE REFERRED TO CITY OF PHILA. DATUM. TRIANGULATION STATIONS (BENCH MARKS) ARE CONCRETE MONUMENTS,
- SET FLUSH WITH SURFACE, WITH BRONZE HEADS 4 IN. DIAM. MARKED UNITED STATES ENGINEER DEP'T.
- TRIANGULATION STATION NO.227, ELEV. 49.691, WAS ESTABLISHED BY LEVELS FROM P.&R.RY. B.M. AT BRIDGEPORT STATION, ELEV. 76.242 P.&R.RY. DATUM FURNISHED BY P.&R.RY. AND REDUCED TO ELEV. 71.012 CITY OF PHILA. DATUM BY COMPARISON OF TWO SYSTEMS.

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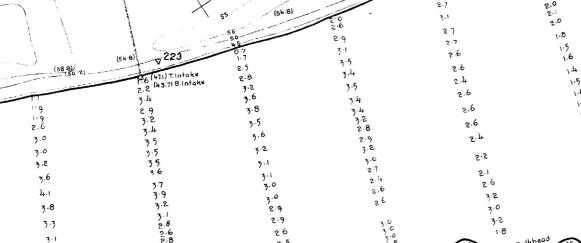
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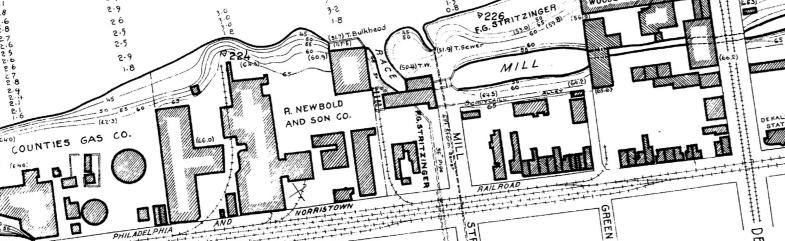
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BOROUGH OF NORRISTOWN







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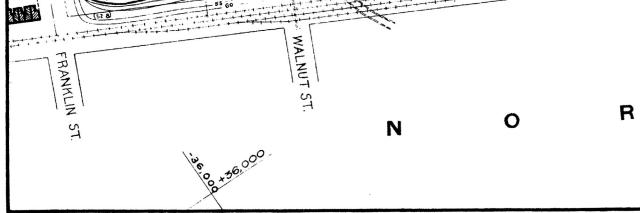
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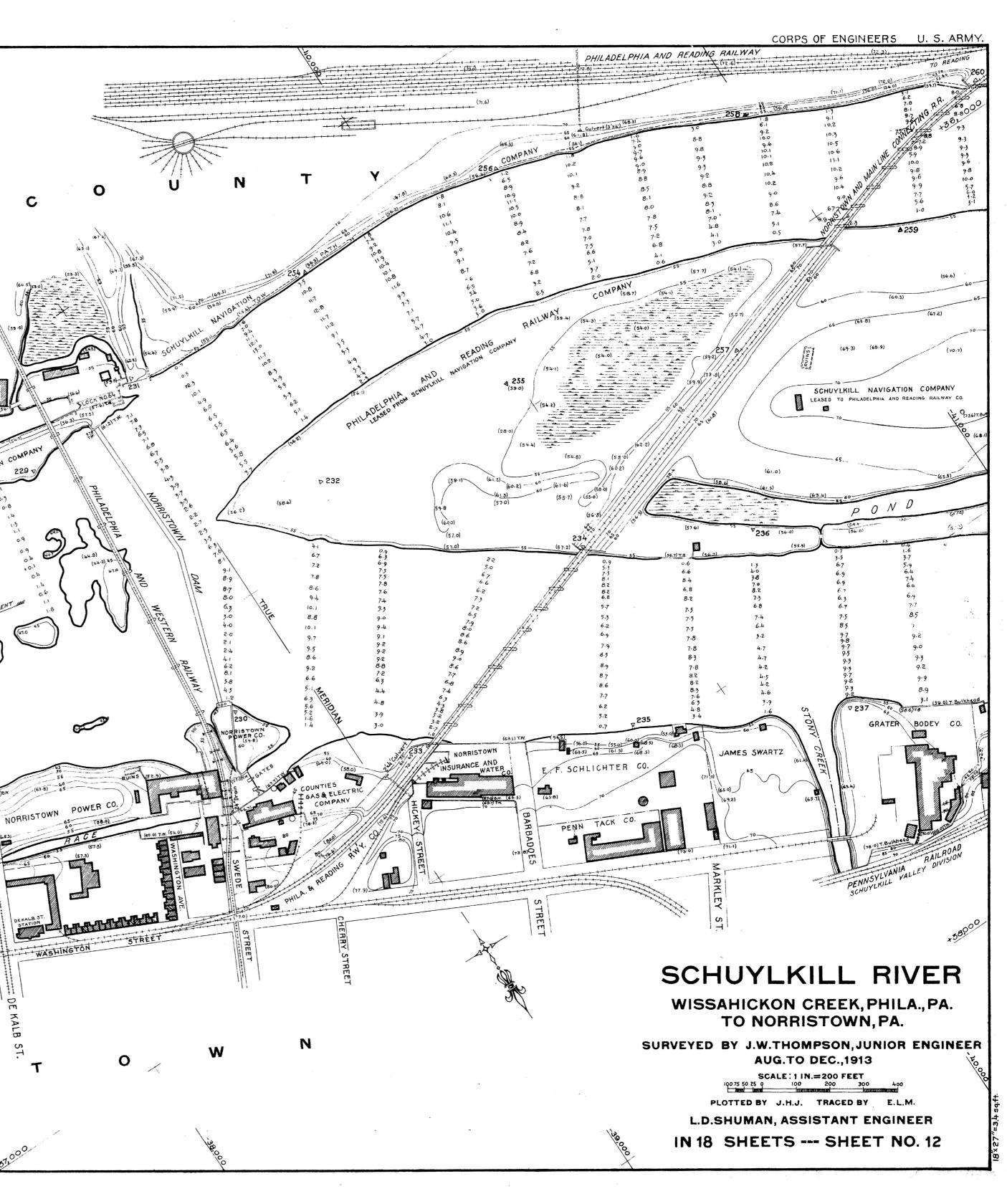
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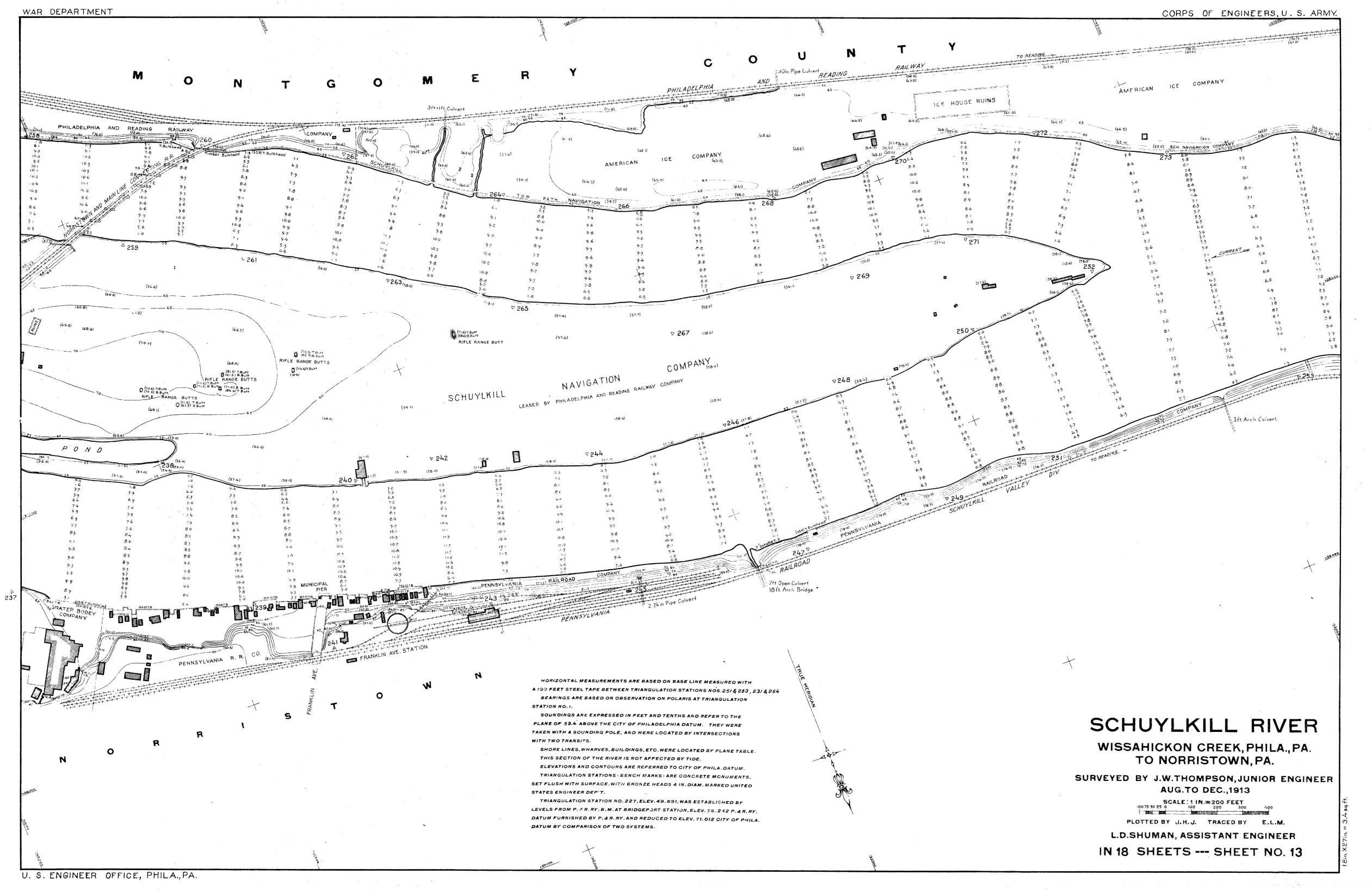
HUYLKILL NAVIG

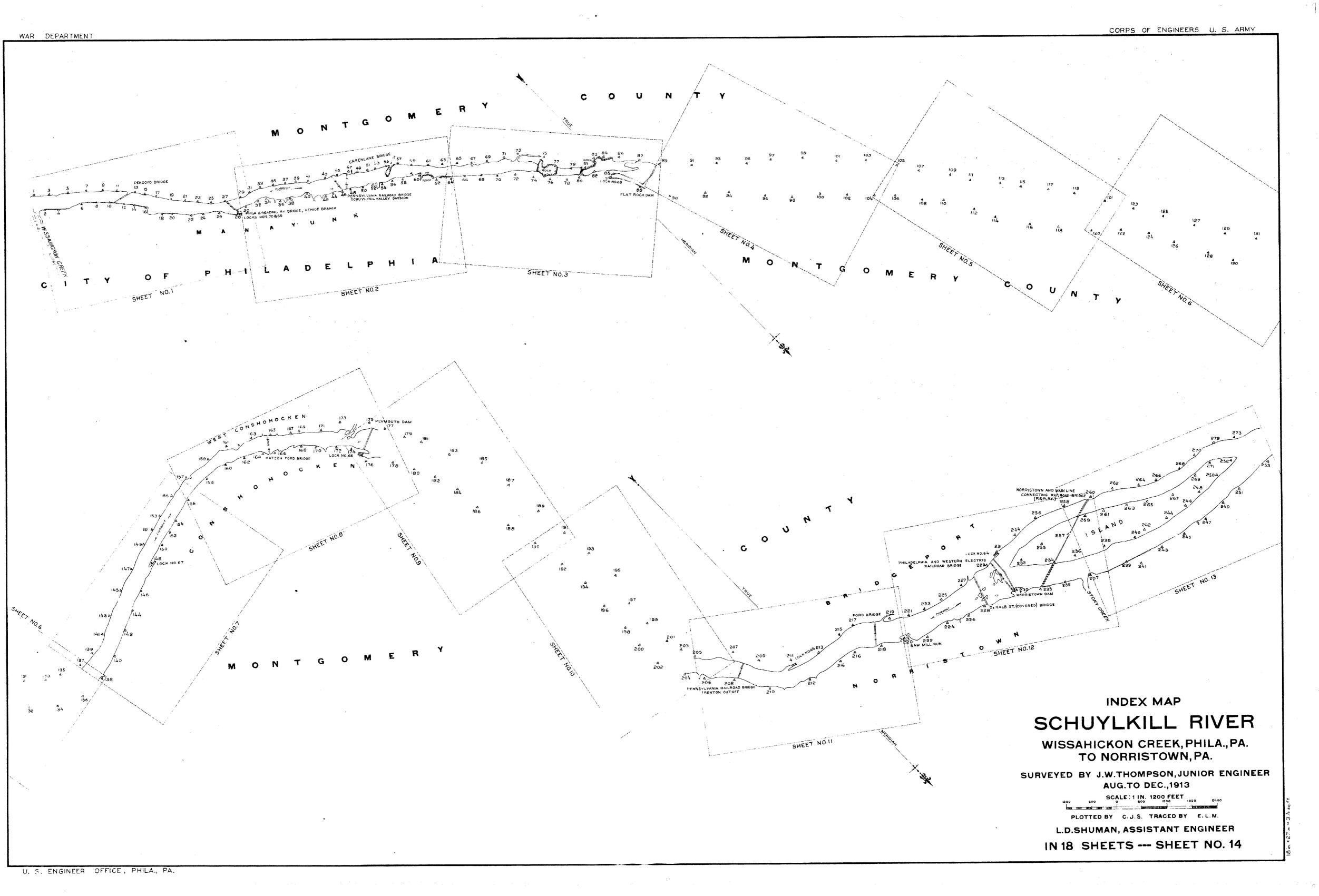


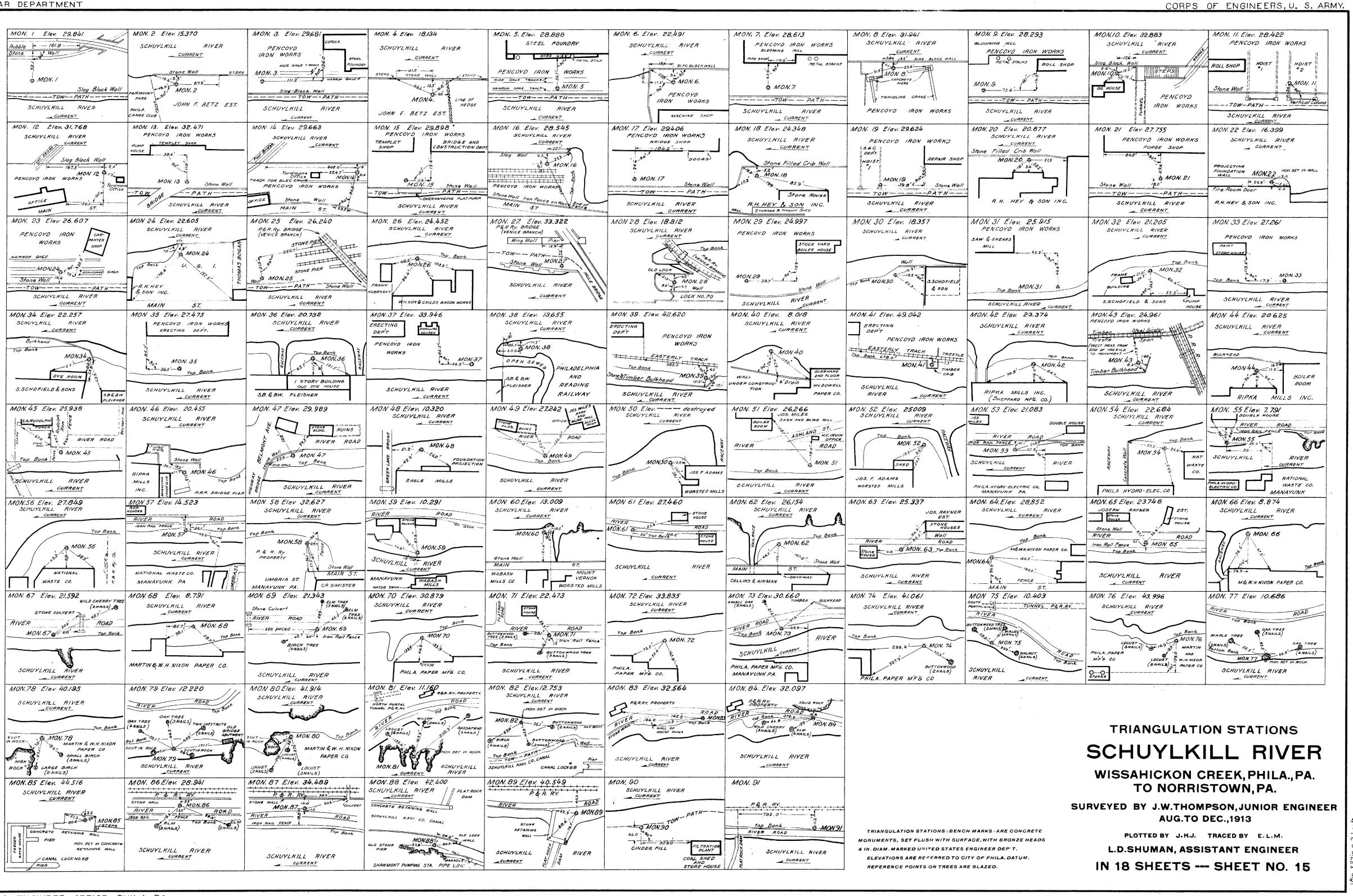












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U. S. ENGINEER OFFICE, PHILA., PA.

Norman Array 8

MON. 92 Elev.	MON. 93 Elev.	MON. 94 Elev.	MON. 95 Eler.	MON. 96 Elev. SCHUYLKILL RIVER	MON. 97 Eler.
Current SCHUYLKILL RIVER		JUN SCHUYLKILL RIVER	Bridge Aver Poed		MON. 97 LICY. MON. 97 VIrack 20.8 Stone Apytment of Arch Wirack 20.8 Bridge over Road
	MON. 93 @	should stone Retaining Wall	WestTrack	Current Stone Retaining Wall	P.&.R.Y. TO Read
Tow Path	P.& R. Ry. 137/0 29.5'	Top of Bank MON.94	East Track To Reading	144.0'	E.Trach 201.97
MON.92	Top of Bank	ò .	MON + 9.5' 95 3.5' 783.4' 9	Tow Path	
- 27.0 - 0 - 1.4 GUARD	RIVER ROAD	Tow Path & 3.5.	3.5' Top of Bank of Ry. 5	New Services	ROAD ROAD
ASH PIT	Dan		Current	Elm Tree Tree	
	SCHUYLKILL RIVER	READING TRAC. CO. POWER PLANT	SCHUYLKILL RIVER	(2 nails in blaze) (3 nails in blaze	Currant SCHUYLKILL RIVER
FILTRATION PLANT					
	MON. 104 Eler.	MON.105 Elev. stone Abutment	MON.106 Elev.	MON. 107 Elev.	MON.108 Eler.
Siding Wast Track	Current SCHUYLKILL RIVER	MON. 105 Siding	<u>Current</u> SCHUYLKILL RIVER	Stone Abutment Siding West Track	Gurrent SCHUYLKILL RIVE
73.6' P.&R. Ry. East Track		P&R.Ry. To Reading	Whorf MON. 106	P.&.R.Ry. To Reading - East Track	
Siding 1136.0' to south side of bridge obutment	MON. 104	E. Track II II 376.2' Siding]]		siding	Tow Path
	93.4 1		Tow Path 18 41.0'	/38.7' 4.7'	150
ROAD	Tow Path 90 43.0	ROAD	32.4'	MON.107	@ MON 108
Bottom of Bank	Club House	Gurrent	Stone Wall Passuge Way	ROAD	1.000
		SCHUYLKILL RIVER		Current SCHUYLKILL RIVER	62.0'
<u>Current</u> SCHUYLKILL RIVER			Club House	30/10/2/022	Bungalow
MON. 114 Elev.	MON. 115 Elev.	MON. 116 Elev.	MON. 117 Elev.	MON. 118 Elev. <u>Current</u> SCHUYLKILL RIVER	MON. 119 Elev.
Current SOHUYLKILL RIVER	siding	SCHUYLKILL RIVER Current	Siding W.C. TELEGRAPH	COFFERE SCHUYLKILL RIVER	
CONCRETE HEAD WALL	P & R. Ry.	Tow Path MON 116 0	0.& R Ry.		<u>ABR.Ry:</u> 40370
MON.114 0 200	3idings	TOW Path MON. 116 0	sidings 2	MON. 118	Signal Tower
	Signal Post	\$7.52		?/	6 MON.119
3. Top Bank	toROAD	410-7 5	7004		0-0
3790	0 MON. 115	Phila. & Norristown R.R.	MONY 117 0 TOP BONK	Phila. & Morristown R.R.	Top Bank
Phila. & Norristown RR	lee House			LAFAYETTE	
SEWER OUFICH HAVILLON PAPER MILL LAFAYETTE DEPOT	Current SCHUYLKILL RIVER	LAFAYETTE DEPOT	Current SCHUYLKILL RIVER	DEHOT	Correct SCHUYLKILL RIVER
	MON. 126 Elev.	MON. 127 Elev.	MON 128 Fley	MON. 129 Elev.	MON. 130 Elev.
PBLR.Ry.	SCHUYLKILL RIVER Current	R & R. Ry.	Current SCHUYLKILL RIVER	WOODLANE DEPOT	SCHUYLKILL RIVER
1029.5		1077.0		R&R. RY. 285.5	TOW PATH
Signal Tower	TON Path	a Signal		TELEGRAPH &	
0 MON. 125	MON. 126 9		TOP BONK MON.128	MON.129 SIGNAL TOWER	700 BANK (MON. 130
30 TSO Bank	في فو	0 MON. 127	32643	, oz	39036 4 12297 -
	24/2.4	Top Bonk	Dhila & Norristown R.R.	TOP BANK	PHILA. & NORRISTOWN R.K.
SCHUYLKILL RIVER	Phila Phila & Norristown R. R.	SCHUYLKILL RIVER	Phila.		PHILA STONE QUARK
Current	Machine Co.	Current	Co.	SCHUYLKILL RIVER	CO. RESIDENCE
MON. 136 Elev.	MON. 137 Elev.	MON. 138 Elev. 45.174	MON. 139 Elev. 53.514	MON. 140 Elev. 39.996	MON. 141 Elev. 52.419
SCHUYLKILL RIVER		SCHUYLKILL RIVER		SCHUYLKILL RIVER	
LOW SHATPY WOODLAND	RIVER ROAD	CURRENT	P. & R. RY.	CURRENT	R. B. R. RY. 1. 2837.3 TO WATER 3POUT.
		TON PATH . BRIDGE	67 3346.5 TO WATER SPOUT	10,0	6.9
TOW PATH	P 3 R , RY 84 3727.7 YO WATER SPOUT		\$ MON. 139 50' TOP BANK	MON. 140 1080 (paced)	\$ MON. 141
TOP BANK OMON. 136	MON. 137	MON. 138	- FOR SMIL	· · · · · · · · · · · · · · · · · · ·	TOP BANK
58955 25.6 PHILA. & NORRIGTOWN R.R.	G./	40.9 H		50 MAPLE (2NAILS)	
ANDORA	TOP BANK	STORAGE	SCHUYLKILL RIVER	55 BIRCH PHILA	CURRENT
PHILA. NURSERIES	ISLAND GUARENT SCHUYLKILL RIVER	CATTERY HOUSES PHILA & HORRISTOWN R.R.	GURRENT	(3NAILO) TERRA-COTTA	SCHUYLKILL RIVER
MON. 147 Elev. 52.149	MON. 148 Elev. 42.839	MON. 149 Elev. 52.212	MON. 150 Elev. 45.732	MON. 151 Elev. 52.753	MON. 152 Elev. 44.897
P. & R. Ry.	SCHUYLKILL RIVER	P. & R. Ry.	SCHUYLKILL RIVER	R. A. R. RY.	SCHUYLKILL RIVER
15 1093.1 TO WATER SPORT	CURRENT	69 4407 TO WATER SPOUT	CURRENT	MON 80	CURRENT
MON. 147		\$ MON. 149	BIRCH MAPLE MHITE OAK (2NAILS) (3NAILS) (4NAILS)	151 50 R.R. WATER SPOUT	MAPLE & MAPLE (2NAILS) : (3NAILS)
TO TOP BANK	TOP BANK	6.0 TOP BANK	(2NAILS) (2NAILS) (2NAILS) (3NAILS) (3 South States)	TOP BANK	(2101123) 2. (011120)
			is the		PIER-C 231 AI.8
	0. 10 d	SCHUYLKILL RIVER			MON. 152
SCHUYLKILL RIVER	STONE WALL			CURRENT	SCH. NAV. CO. CANAL
CURRENT	CANAL LOCK 67	CURRENT	TOCK SCH. NAV. CO. CANAL	SCHUYLKILL RIVER	BRIDGE FOR PIPE LINE
MON. 158 Elev. 51.561	MON. 159 Elev. 53.017	MON. 160 Elev. 51.095	MON. 161 Elev. 42.087	MON, 162 Elev. 46.085	MON. 163 Elev. 49.976
SCHUYLKILL CURRENT RIVER	J. HALL (CARPET)	SCHUYLKILL RIVER	R & R. Ry.	SCHUYLKILL RIVER	RON OF
MON. 158	RIVER ROAD	CURRENT	TOP BANK E	CURRENT	STONE WALL
TOP BANK - 1580 00-1046-53	R. & R. Ry.		007. 84.W		
90 - 5; (2NAILS)	MON. 159 633.5		BUNGALOW	MON. 162 TOP BANA	MON. 163 TOP BATH
SCH. NAV. STALLON	TOP BANK & STONE CULVERT	MON. 160 0 2014	108.0	SIDING	
CO. CANAL	SCHUYLMILL ARROWANN CR.	204 735.5	SCHUYLKILL 90	63.1 CHERY	SCHUYLKILL RIVER
NARE TOW PATH	RIVER	JOHN WOOD	CURRENT	ROOM ROOM	LOWER STACH-J. WOOD & DROS.
ALAN WOOD . IRON & STEEL CO.	CURRENT	MFG CO. ROOM	MFG. CU SHIPPING & TESTING	MOULDING ROOM JCHIN WOOD MFG. CC.	SHEET IRON FOUNDRY
	MON. 170 Elev. 46.665	MON, 171 Elev. 40.919	MON. 172 Elev. 39.183	MON.173 Elav. 52.955	MON. 174 Elev. 55.270
MERION WORTED & MILLS	SCHUYLKILL RIVER	, P. & R. Ry.	3CHUYLKILL RIVER		SCHUYLKILL RIVER
A I	CURRENT	681.0 -24" IRON DRAIN	CURRENT	- A & R. Ry. 11320 + 82	
		WORSTED CLUMP MAPLES	(JNAPLE B 21'S MAPLE OU	MON. 173	AT A
(8 ⁰ /1 ⁹ /2 ⁵ / ₂₅)/10N.169	TOP BANK MON 170	134	(3NAILS) 215 NAPLE 0(4NAILS)	WORSTED MILLS BOT BANK	(2 NAILS)
TOP PANK STONE WALL	See 1	CLUMP MAPLES	5	-	SIDING AST AST MAPLE
	SIDING	(2NAILS) A5. 250 76 (SNAILS)	E NAVIGATION (2 NAILS)		MON/74
SCHUYLKILL RIVER	RANKER BRARADISE	SCHUYLKILL RIVER	CO.	SCHUYLKILL RIVER	TOP BANK BEECH (ANATTA)
CURRENT	FREIGHT DEPOT	CURRENT	121	CURRENT	SCH. MAV. CO. CANAL
MON IZE FLAM	MON. 177 Elev.	MON 179 Elan	MADAL 179 Flow	MON. 180 Elev.	MON. 181 Elev.
MON. 176 Elev.		MON. 178 Elev.	MON. 179 Elev. WALNUT (2NAILS) AREA		MAPLE
SCHUYLKILL	MON.177 36.6 - 31.6 (3 MAILS)	SCHUYLKILL RIVER		SCHUYLKILL RIVER SIGNAL	(2 MAILS)
LOCK RIVER	AN BERNARD	MON 178 TOP BANK	MON. 179 - 135 - 8.	TOWER	6 - 14.0 0 (INAIL
TON TON	aus aus	1000	SHALL WHITE CAR	MON. 180 TOP DANK -	(3NN: 5 MON. 181
WALL TOP BANK	RUTTONWOOD HOUSE	SZE TO SIGNAL TOWER GJ.	STALL DAR ((3NAILS)	3920	AT WOSSED AREA
-Siding		PHILA. & HORRISTOWN R. R.			
PHILA. 3 NORR STOWN R. R.	FURDERAT	A THE A TOTAL OF TOTAL K. K.	CURRENT	PHILA. & NORRISTOWN R.R.	
647 <u>510/176</u>	SCHUYLKILL RIVER		SCHUYLKILL RIVER		SCHUYLKILL RIVER
- 84.4 - & MON. 176				L	CONCIENCE RIVER
			-		

U. S. ENGINEER OFFICE, PHILA., PA.

17 Eler.	MON. 98 Eler.	MON.99 Elev. MON.99	MON. 100 Elev.	MON.101 Eleviding	MON. 102 Elev.
20.8 Stone Acutment of Arch Bridge over Road	SCHUYLKILL RIVER	To Reading Siding	SCHUYLKILL RIVER	W.Track	SCHUYLKILL RIVER
Bridge over Road		P&R.Ry. West Track East Track		E.Track P.&R.Ry. To Reading	River shore
mol Bank			River shore MON.100	5'-+ 1827.4' to south side Bridge Abutment	TOP OF Bonk MON. 102
ROAD ROAD	Tow Path MON.98		Top of Banks 90° Tow Path	2.0' DMON.IOI Bridge Abutment Top of R.R. Bank	Top of Bonk prov. No.
	18.5' 260' 55.0'	GLADWYNE DEPOT	2	ROAD	
CANT SCHUYLKILL RIVER	+ Elm Tree	Current_	"IDEAL" CLUB HOUSE	Bottom of Bank	Club House
	Buttonwood Tree Buttonwood Tree (2 mars) (4 nails) (3 nails)	SCHUYLKILL RIVER		Current SCHUYLKILL RIVER	Club House
08 Elar.	MON.109 Elay	MON.110 Elev.	MON.III Eler.	MON. 112 Elev. Corrent SCHUYLKILL RIVER	MON. 113 Elev.
SCHUYLKILL RIVER	Siding WALL	Gurrant SCHUYLKILL RIVER	Siding nearest East Track	SCHUYLAILL RIVER	BBR Ry: ETTOCKA Siding J
	West Trock	Wharf			B MON, 113
Tow Path	East Track R Siding	Tow Path	ROAD	TOW PATH	ROAD 40 St
@ MON 108	MON. 109 63.3' Point of Switch	MON. 110	MON III & Fence	MON.1/2 0 PATH	
125 (B)		A13 660'	Funce 308' 301' 80.1'	CLUB & OLD LUNCH HOUSE STAND	ICE MOUSE RUINS
62.0'	Cottaga	"The Lonaly" Old Stone House	Porch-	¥	
Bungalow	Current SCHUYLKILL RIVER	Club House	CUTTER SCHUYLKILL RIVER	P. & R. Ry.	Current SCHUYLKILL RIVER
19 Elev.	MON. 120 Elev. Schuylkill River	MON. 121 Elev.	MON. 122 Elev. SCHUYLKILL RIVER	MON. 123 Elev.	MON, 124 Elev. Current
28 R. Ry: 4037.0	Current	P. & R. R. 3283.5	Current	2562.6	SCHUYLKILL RIVER
Signal Tower		t Signal Tower		Signal	
10N.119		, O MON. 121 30-1 Top Bank	TOW Dath	3	Tow Dath
TOP Bank	Tow Poth		Top Bank MON.1220	ф МОН. 123	Top Bank MONIDA
			<u> </u>		
A SCHUYLKILL RIVER	Phila. Machine Co. MON. 120	SCHUYLKILL RIVER	- Phila Machine	Current SCHUYLKILL RIVER	Phila. Machine Co.
30 Elev.	MON. 131 Elev.	MON. 132 Elev. RIVER	MON. 133 Elev.	MON, 134 Elev. RIVER	MON. 135 Elev.
YLKILL RIVER	WOODLANE DEPOT	SCHUYLKILL LOW SWAMPY	N WOOD AND OFOT	Cuparaz	
PATH	P&R.Ry	Acct	2636	SCHUYLKILL LOW SWAMPY WOODLAND	RIVER ROAD
ANK DMON. 130	TELEGRAPH 449.1	TOP BANK MON.132	D TELEGRAPH & 300 300	TON PATH	D SIGNAL POIT #173
9 72	9 SIGNAL TOWER 0 99	70 56.7	SIGNAL TONER BAN	TOP BANK	C. My. Do A264.9 TO MATER SPOUL
39036 + 122	MON. 131	NY TRACK PHILA & MORRISTOWN R. R.	MON. 133 8	MON. 134 Q, 52373' 73 3600	TOD anime MON. 135
HILA STONE QUARRY		PHILA.		PHILA. & NORRISTOWN R. R.	
CHINE OLO STONE	SCHUYLKILL RIVER	CO. O STONE	SCHUYLHILL RIVER	MACHINE STONE CO. CULVERT	SCHUYLKILL RIVER
41 Elev. 52.419	MON. 142 Elev. 38.697	MON. 143 Elev. 51.370	MON. 144 Elev. 38.546	MON. 145 Elev. 51.879	MON. 146 Elev. 39,189
a B R	SCHUYLKILL RIVER	8 <u>y</u> .	SCHUYLKILL RIVER	P. & R. Ry.	SCHUYLKILL RIVER
28373 TO WATER SPOUT.	CURRENT	P & R, RY. P & R, RY. P & C321.4 +0 WA-ER 3ROOT 19		5 1666.8 TO WATER SPOUT	CURRENT
10N. 141	TOW PATH	MON. 143 TOP BANA	95	6.0 	TON PATH
TOP BANK	261.0 (paced) MON. 142	RIVER	SMALL 50 MAPLE CLUB		MON. 146 1830
	MAPLE (JNAILS) (2NAILS)		(3 NAILO) (ETAILO)		A MARLE CLUS (MARLE) CLUS (Sinalls) CLUS (Znalls) CLUS (Znalls) CLUS
CURRENT	PHILA. TSRRA-COTTA	SCHUYLKILL CURRENT	ROAD	SCHUYLKILL RIVER	RAIL FENCE
52 Elev. 44.897	WORKS MON. 153 Elev. 52.776	MON. 154 Elev. 45.391	MON. 155 Elev. 52.487	MON. 156 Elev. 45.278	MON, 157 Elev, 52.656
SCHUYLKILL RIVER	WION. ISS LIEV. SL. TTO	SCHUYLKILL RIVER	WIOW, ISS LIEV. SZ.401	SCHUYLKILL CURRENT RIVER	RIVER ROAD
UNTAKE CURRENT	B. R. Ry.	MAPLE MAPLE (S) (SNAILS) MAPLE	P B R. RY	MAPLE (ZNAILS) ASH [](SNAILS)	STONE WALL?
(2NAILS) A. (JNAILS)	6	(4 NAILS) 364 241 (2NAILS) () (4 NAILS) 364 241 25.4	205.3 6.7	5- 34.1 LOCUST (ANAILS)	P. O. R. RY.
41.8	90- TOP BANK	MON. 154 TOP BANK	TOP DANK MON. 155	MON. 156 0 41.8	4.5- 0 1.4.3 TOP BANK
-231-0- MON. 152		SCH. NAV. CO. CANAL		TOW PATH I	MON. 157
SCH. NAV. CO. CANAL	SCHUYLKILL RIVER	TOW PATH STONE WALL	SCHUYLKILL RIVER	STONE WALL WARE	SCHUYLMILL RIVER
BRIDGE FOR PIPE LINE	CURRENT	LONGMEAD IRON & STEEL CO.	CURRENT	ALAN WOOD IRON & HOUSE	CURRENT
63 Elev. 49.976	MON. 164 Elev. 48.812	MON. 165 Elev. 37.593	MON. 166 Elev. 44.654 SCHUYLKILL RIVER	MON. 167 Elev. 42.412 MERION WORSTED MILLS	MON. 168 Elev. 38.197 MERION WORSTED MILLS
ROW OF STONE WALL	SCHUYLKILL RIVER	BRIDGE MERION WORSTED MILLS	CURRENT	BLACKSMITH SHOP	SCHUYLKULL RIVER
		BEECH STOCK ROOM		TOP BANK	CURRENT MON.168
MON.163 TOP BATT	MON. 164 0	((3NAILS) TOP DAVIN-	TOP BANK W TOP BANK	62.5°	TOP DANK (Daced)
	34.7 /31.4 Han 23 0	550 BEECH 92 - 92 - 51 - 3 (4NAILS)	MON. 166	MON. 167	
YLKILL RIVER	ASSEMBLY	ENTERNINGOD MON. 165	2	SCHUYLKILL RIVER	COAL SIDING
CH-J. WOOD & BROS. HEET IRON FOUNDRY	ROOM 3" JOHN WOOD Mifg. CO	SCHUYLKILL RIVER	FOUNDRY ROOM	CURRENT	720 8 SIDING
KEN CATHOLIC CHURCH Q STEEPLE	/		JOHN 14000 & BROS. CO.		FREIGHT DEPOT
174 Elev. 55.270 UYLKILL RIVER	MON. 175 Elev, 52.908				
CURRENT S	1832.2 MON. 175 5.8		r.		
HICKORY	MERION WORSTED MILLS BOT BANK				
(2 MAILS)				TRIANGULAT	ION STATIONS
BO AST ONALLS)					
BEECH ANATED	SCHUYLKILL RIVER		·	SCHUYLK	ILL RIVER
		1 ×			

WISSAHICKON CREEK, PHILA., PA. TO NORRISTOWN, PA.

SURVEYED BY J.W.THOMPSON, JUNIOR ENGINEER • AUG.TO DEC.,1913

PLOTTED BY C.J.S. TRACED BY J.H.J.

L.D.SHUMAN, ASSISTANT ENGINEER

IN 18 SHEETS --- SHEET NO. 16

TRIANGULATION STATIONS (BENCH MARKS) ARE CONCRETE MONUMENTS, SET FLUSH WITH SURFACE, WITH BRONZE HEADS 4 IN. DIAM. MARKED UNITED STATES ENGINEER DEP'T. ELEVATIONS ARE REFERRED TO CITY OF PHILA, DATUM. REFERENCE POINTS ON TREES ARE BLAZED.

MAPLE

(INAIL)

RIVER

MON. 182 0 TOP BANK

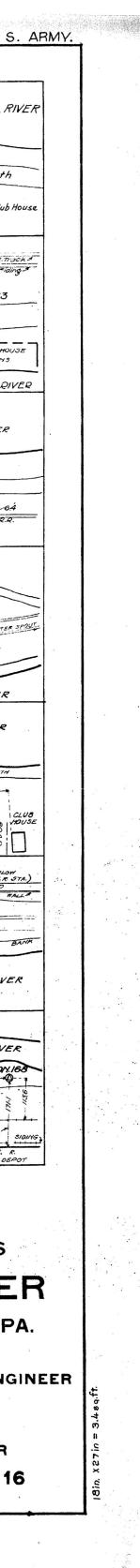
P 94

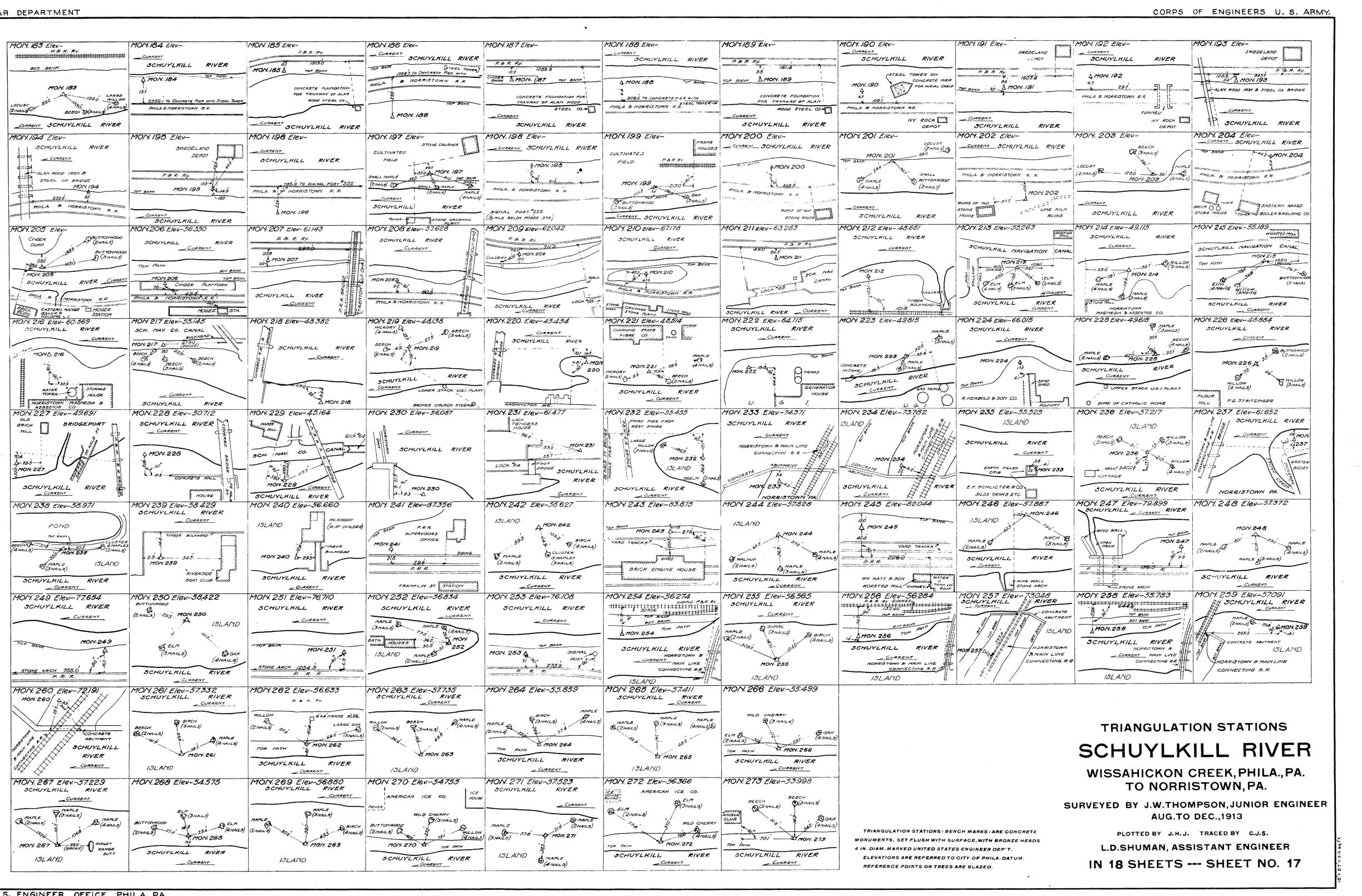
MON. 182 Elev.

SCHUYLKILL

SIGNAL TOWER C.J."

PHILA. & NORRISTOWN R. R.





U. S. ENGINEER OFFICE, PHILA., PA.

1 A 1

have been

LOCALITY	DATE OF FRESHET	ELEV.	SOURCE OF IMFORMATION	DATE OBTAILIE
Mon.10	3-1-1-202	26.40	Chas.Mehlhorn, Employee Pencoyd Steel Co., Mark on gage on Toll Br	11-18-13
Monayunk	1869	,	Chas. McDowell-Data of District Surveyor Sundstrom.	1+17-13
Pencoyd		31.97		~
	10-4 1869	34.50	Schuylkill Navigation Co.	12-2-13
		31.20	Lock Tender Gikes - Mark on steps.	11-17-13
		e	Schuylkill Novigation Co.	12-2-13
4		,	J	11-17-13
	1902	30.70	Lock Tender Giles - by comparison with 1869 mark.	12-2-13
	3-1-1902	,	Schuylkill Navigation Co.	12-2 N
	12-12-1902		<u> </u>	-
.	3-8-1904	21.50	a a n	"
*	1912	26.30	Chas. McDowell-Data of District Surveyor Sundstrom.	11-17-13
Mon. 32	1869	32.20	., ¥	"
Mon.40	1850	30.10	η	"
*	1869	28.20	* * * * * * *	"
p.	1902	27.10	······································	"
đ	1904	2550	р с на ч н н	"
11	19/2	24.30	ш н н а а ч н	"
Man.45	1902	32.60	Mrs. C.A. Rudolph - Mark on door Frame of residence.	"
Mon.48	1869	32.23	Chas McDowell-Data of District Surveyor Sundstrom.	.//
Mon.58	1912	26.57		"
Mon.85	3-15-1912	40.80		1
Below Dam Mon88889	3-10-1901	¥15.50		12-2-13
1000003	3-23-1901			
	12-16-1901			
	12-29-1901			<i>n</i>
	2-22-1902		w 0 U	"
4	3-1-1902	* 27.00	N 6 6	"
	12-22-1902	* 18:00	a 4	"
4	1-23-1904	*17.00 [′]	d	"
•	3-8-1904	<i>₹15.00</i>	<i>N A N</i>	"
	6-7-1904	*1083	······································	"
4	9-15-1904	*17.00		"
	1-7-1905	¥17.50	<u> </u>	u
#	2-22-1906	* 10.50		
	3-4-1906		· · · ·	N
	4-10-1905			"
<i>a</i>	1-1-1907	1		"
<u>F</u>	1	,		н
Above Dam	3-13-1907	1		
Mon.88889	10-4-1869		# 4 d	
	5-2-1894		*	
2	3-10-1901		<i>• • • •</i>	*
	3-23-1901	35.97	<u>a</u> <u>n</u> <u>a</u>	
<i>h</i>	12-16-1901	37.80	4	"
*	12-29-1901	39.30		
	2-22-1902	37.30	R A A	4
4	3-1-1902	44.30	* * *	1
~	12-22-1902	40.13	* * * ·	"
,	1-23-1904	41.50		<i>u</i>
	3-8-1904	37.42	* * *	"
R	6-7-1904		н 11 ц	
<u>к</u>	9-15-1904		N 4 2	,
<u> </u>	1-7-1905	T .		
*	1	T		
<i>r</i>	2-22-1906	1		
	34-1906	T		
<u>u</u>	4-10-1906			<i>n</i>
#	1-1-1907	1		
	3-13-1907	1 1000		

LOCALITY	DATE OF FRESHET	ELEV.	SOURCE OF IMFORMATION	DATE OBTAINE
Mon 88 & 89	1869	44.60	Chas. McDowell,-Data of District Surveyor Sundstrom.	11-17-13
"	1902	43.10	n p 4 /s 4 11 1	"
"	2-28-1902	/	Lock Tender Giles- From certain rock.	"
	1904	43.60		"
	1912	42.60		
" Mon.138	1902	51.05	P.R.R. Agent at Spring Mill - Elevation above track	11-18-13
11011.100		1		"
it	<u>1912</u>	45.83		
"	"	45.82		"
Mon. 48	3-1-1902	· · · · · ·	Wife of Lock Tender Wright - Mark on tender's house.	"
Mcn 163		,	Sch. Nav. CoDavis & Bro. Coal Yard, West. Conshohocken.	12-2-13
Mon. 165	10-4-1869	56.40	", "-P.& R. Depat "	"
μ	3-1-1902	55.51	<u>n n n - </u>	<u>n</u>
Mon. 166	10-4-1869	57.64	at Supplee Flour Mill	"
"	2-28-1902	54.56	Geo. Hummel, Employee of John Wood Mig. CoMark an pillar	11-17-13
"	3-1-1902	55.58	Sch. Nov. Co at Supplee Flour Mill	12-2-13
¥	*	5465	" " " " " Wood & Bro Mill	4
Below Dam Mon.174	, w	*23.33	A	4
	12-22-1902			
<i>y</i>	<u>12-22-1902</u> 3-8-1904			
Above Dam		· ,	**	
Mon. 174	9-2-1850		, Elev from marks on NE Cor. Lock House, Lock 66	"
4	10-4-1869	,	<u> </u>	· · · · · · · · · · · · · · · · · · ·
	5-22-1894	54.30	<u> </u>	и
<i>H</i>	1896	52.40		*
P	3-1-1902	55.90		
p	,	56.50	ч . <i>ч</i> н н н л п с	
н	12-22-1902	50.92	• " "	
n	3-8-1904	49.58		ö
Mon.226			BF Stritzinger, & A.C. Thomas - Mark on post	11-18-13
		1	, from data by MDPatterson, former Boro. Engr.	"
			, Mark on post.	"
			, from data by M.D. Patterson, former Boro. Engr	*
		7		<i>u</i>
Above Dam Mon.230		,	s n p y n s p i n y p n n n n n n n n n n n n n n n n n	" Dec 1913
Mon.230			Schuylkill Navigation Co. & U.S. Weather Bureau	Decisi
· · · · · · · · · · · · · · · · · · ·	:0-4-1869	,		
,	"	T .	U.S. Weather Bureau.	<u>n</u>
н	8-3,4,-1885	56,57	<u> </u>	"
	8-1-1889	60.90	<u> </u>	
<i>b</i>	9-17,18-89	58.82	• • • • · · ·	•
4	5-21,22-94	60.90		
ŋ	1-21,22-02	6198	<u> </u>	
<u>i</u>	3-1-1902	"	Schuylkill Novigation Co.	"
н			U.S. Weather Bureau.	"
,	12-15,16-02			
	12-22-1902	+		~
9 			· · · · · · · · · · · · · · · · · · ·	
<u>µ</u>	9-15-1904			
2	1-6,7-1905			"
n	34,5-1900		<u>n</u> <i>H H</i> <u>n</u>	
;	3-13,14-07		a » " " " "	<i>n</i>
H		Į –	· · · · · · · · · · · · · · · · · · ·	"
8	2-26,27-08	59.57	· · · · · · · · · · · · · · · · · · ·	
4	1-22,23-10	58.90	<u> </u>	"
"	8-30,31-11	58,48		4
4	12-31-1911			•
μ	3-15,16-12			"
	3-26,27-13			
	12-201210	1.574.57		

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CORPS OF	ENGINEER	5, U.S.,
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NOTE

A considerable amount of data was collected by the Schuylkill Navigation Co.and the U.S. Weather Bureau(that of the Neather Bureau was derived from the Sch. Nav. Co.) at Norristown Dam, Plyinsath Dam, and Flat Rock Dam in the shape of neight of freshets above normal.

Where possible the elevations of these freshets were determined by levels to monuments, or by reference to the normal elevation of the water surface in the locality as determined auring the survey.

Mon. means triangulation station and B.M. monument of the 1913 survey. The approximate elevation of normal water surfaces at the different localities is as follows:

Norristown stretch below the dam ---- 43.5ft.

Above Flat Rock « ____320ft: Directly below Flat Rock Dam___ Not known; Crest of dom___31.8ft. to 1904; since 1904___32Jft:

Below Mon 72____7.5 Ft.

* Elevation here represents height above normal.

Elevations are based on datum of City of Philadelphia.

FRESHET DATA

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WISSAHICKON CREEK, PHILA., PA. TO NORRISTOWN, PA.

SURVEYED BY J.W.THOMPSON, JUNIOR ENGINEER AUG.TO DEC., 1913

PLOTTED BY J.W.T. TRACED BY JHJ.

L.D.SHUMAN, ASSISTANT ENGINEER

IN18 SHEETS --- SHEET NO. 18

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