

OFFICE COPY HOLD

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

40-075-14
WIND GAP QUADRANGLE
116 PENNSYLVANIA
N4045-W7515/15
DIAGRAM NK 18-11
NEWARK

Carbon, Monroe and Northampton Counties

Final adjustment of 1971

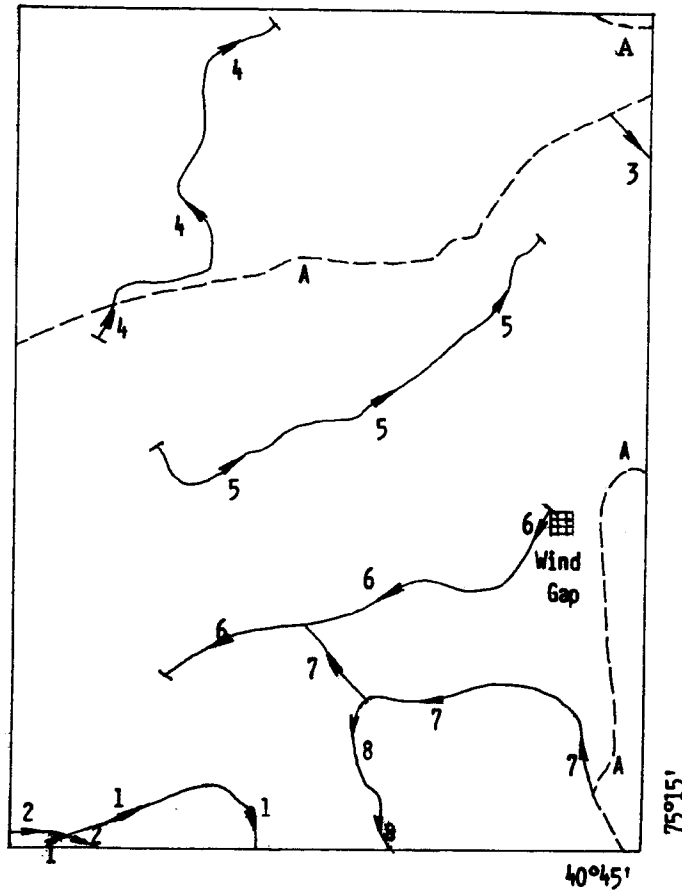
Edition of 6/2/77

RR: GWK/jyk

POCONO
(140)

LENHIGHTON
(117)

DELAWARE WATER GAP
(115 PA.-46 N.J.)



ALLENTOWN
(93)

NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 400751

WIND GAP
Books A 9519 and B1170

PENNSYLVANIA

C. E. Mills, 1914
R. G. Clinite, 1921

ISOLATED BENCH MARKS (By C. E. Mills, 1914; Book A 9519, R. G. Clinite, 1921; Book B 1170)	<u>Feet</u>
"734" (Destroyed, 1941)	734.085
Wind Gap; at Citizens Bank of Wind Gap; in seventh brick below water table; at W. end of side of bank building; standard tablet stamped "RESET 1941"	752.048
"665" (Destroyed, 1956)	665.140
Neola, 1.3 mi SE. of; 0.8 mi W. of Sandhill; 25 ft W. of rd.; in small grove of pine trees; on large flat boulder 1 ft above ground; standard tablet stamped "619"	619.447
Appenzell, 0.8 mi S. of; 1.7 mi NW. of Neola; 30 ft N. of NE. corner of Ford Heller's Mill; on W. side of rd.; in top of boulder; standard tablet stamped "858"	858.164
McMichael, 0.25 mi E. of; on N. side of rd. under wire fence; opposite NW. corner of woods; in top of boulder; standard tablet stamped "1059" (Reported destroyed, 1957)	1059.081
Mervinsburg, 0.25 mi NE. of Gould's Hotel; in top of S. end of concrete wall of Antlers Rod and Gun Club dam across Pohopoco Creek; standard tablet stamped "984" (Reported not found, 1960)	984.929
Mervinsburg, 2.3 mi S. of; on Kunkletown Road; in SE. corner of crossroads; in large boulder; standard tablet stamped "871" (Reported not found, 1960)	871.132
Kunkletown, 1.4 mi SE. of; 22 ft E. of, and 2.5 ft higher than centerline of Legislative Route 45002; 125 ft N. of intersection of Legislative Routes 45002 and 45052; in SE. corner of bridge parapet wall over Aquashicola Creek; Pennsylvania Department of Transportation standard disk stamped "535.117" (Replaces USGS b.m. "524")	535.117
Point Phillip, 1 mi N. of; at rd. crossing of L. and N. E. RR.; 20 ft S. of RR.; 10 ft W. of rd.; in sandstone boulder; standard tablet stamped "799" (Reported not found, 1957)	799.607
Carbon; in NW. angle of rd. forks; at SE. corner of Trachs Hotel; in bottom concrete step at E. end of porch; standard tablet stamped "C 4 PA 1922"	947.651
Kresgeville; 100 ft E. of rd. forks; on N. side of hwy.; at NW. corner of steel bridge; in top of wingwall; standard tablet stamped "C 5 PA 1922"	697.912
<u>LINE 1.</u>	
M. A. Roudabush, 1933; Book B 4861	
Beersville, 0.7 mi NE. of; 0.6 mi S., thence 0.1 mi W. of Emanuelsville; 120 ft N. of W. end of bridge at E. end of Frank Kremsner's pasture; 7 ft W. of fenceline; in top of large boulder; standard tablet stamped "8 MR 1933 576"	576.057

4

WIND GAP
Book B 4861

PENNSYLVANIA

M. A. Roudabush

1933

LINE 1 (Cont'd.)Feet

Reference mark; 120 ft SW. of tablet; on boulder; square cut	574.45
Gravers School, 0.3 mi E. of; 0.5 mi NW. of Chapman Quarries; 15 ft S. and 35 ft W. from crossroad; in top of wingwall of concrete culvert; standard tablet stamped "9 MR 1933 744"	743.830
Reference mark; 0.11 mi S. of tablet; in NW. angle of T-rd. W.; on SW. end of concrete headwall; square cut	724.26
Chapman Quarries; near SW. end of dumps; on top of NE. wingwall of concrete culvert; Pennsylvania Department of Highways standard disk stamped "581"	581.194
Chapman Quarries; S. line of boro; 200 ft N. of depot; in top of SE. wingwall of concrete culvert; PDH standard disk stamped "556" (Reported destroyed, 1957)	556.191
U.E., Chapman Quarries; 100 ft NE. of depot; on N. end of NW. concrete wingwall of RR. bridge; iron bolt head (L. and N.E. RR. BM)	551.74

LINE 2.

W. H. Clarkson, 1962; Book AV 922

There are no permanent marks on this line in this quadrangle.

LINE 3.

R. G. Clinite, 1936; Book B 6737

U.E., Stormville, 1.8 mi NW. of, along dirt rd.; 0.4 mi S. of State Highway 209; at junction of T-rd. W.; at SE. corner of iron bridge over McMichael Creek; on E. corner of concrete cap of masonry approach wall; chiseled square	474.85
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LINE 4.

C. H. Ackerson, 1957; Book AV 528

2	2	0.00	Gilbert, 0.7 mi S. of, thence 1.4 mi W.; 0.4 mi S. of intersection of U. S. Highway 209 and Polk Township Road No. 352; at NW. corner of concrete bridge over Pohopoco Creek; in concrete wingwall; standard tablet stamped "683 RESET 1971"	690.554
2	4	2.09	Gilbert; in SW. corner of SW. wingwall on cement bridge over Pohopoco Creek; PDH standard disk stamped "9 CA 1957 USGS"	712.474

LINE 4 (Cont'd.)Feet

2	10	6.07	Effort, 1.3 mi N. of; 1.2 mi E. and 20 ft S. of, 60 ft W. and about level with T-rd. SE.; in rock in place; standard tablet stamped "10 CA 1957 1014"	1014.375
2	15	9.04	U.E., at NW. corner of Brover McMichael Creek; on top of concrete wall; chiseled square	1004.280

LINE 5.

C. H. Ackerson, 1957; Book AV 528

2	17	0.00	Kunkletown, 1.6 mi N. of; 300 ft S. of crossroad; in top; 6 ft N. of S. end of E. wall of stone arch bridge over Princess Creek; standard tablet stamped "644"	644.745
2	17	0.91	U.E., Kunkletown, 0.7 mi N. of; on NE. corner of concrete bridge over Princess Creek; about 9 ft above water; chiseled square	577.60
2	20	2.10	Kunkletown, 1.7 mi NE. of, along Saylorsburg Road; 18 ft S. and 85 ft W. of, and about 1 ft lower than T-rd. S.; 8 ft above water; in center of S. wall of concrete bridge; standard tablet stamped "11 CA 1957 635"	635.141
2	24	4.73	Kunkletown, 4.3 mi NE. of; Saylorsburg, 3.5 mi SW. of; at small concrete bridge; 22 ft S. of and about 1 ft lower than centerline of rd.; 115 ft E. of SE. corner of barn; in W. end of S. headwall; standard tablet stamped "12 CA 1957 628"	628.426
2	26	6.78	Saylorsburg, 1.5 mi SW. of; 32 ft S. and 40 ft W. of, and about 1 ft lower than T-rd. S.; in SW. wingwall of concrete bridge #3-22+51; standard tablet stamped "13 CA 1957 677"	676.495
2	27	8.23	Saylorsburg; at Schicks General Store; 18 ft S. and 20 ft W. of, and about 1 ft lower than T-rd. W.; on NE. corner of bottom step; chiseled square	670.34
2	29	9.70	Saylorsburg; 2.0 mi NE. of post office, along State Highway 12; at small concrete bridge on N. end of W. wingwall; standard tablet stamped "14 CA 1957 598"	597.725
2	32	11.43	Kellersville, 1.1 mi S. of; in NE. corner of rd. forks E.; in rock outcrop; standard tablet stamped "592"	591.720

LINE 6.

C. H. Ackerson, 1957; Book AV 528

2	34	0.00	Wind Gap; at Citizens Bank; in seventh brick below water table; at W. end of side of bank building; standard tablet stamped "RESET 1941 752.048"	752.048
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LINE 6 (Cont'd.)Feet

2	37	3.12	Wind Gap, 3.1 mi SW. of; 15 ft S. and 250 ft W. of I-rd. N.; 80 ft W. of I-rd. S.; on SE. corner of steel bridge; in concrete guard post; 16 ft above water; standard tablet stamped "15 CA 1957 694"	693.650
2	40	5.60	Wind Gap, 5.6 mi SW. of; 50 ft NE. and 22 ft N. of, and about 3 ft higher than I-rd. N.; in SW. corner of triangle formed by rd. and abandoned RR. grade; in SE. corner of well curb; standard tablet stamped "16 CA 1957 746"	745.949
2	41	6.40	U.E., 20 ft S., 20 ft W. of rd. and old RR. grade E. and rd. on old RR. grade W.; in SW. root of 10-in. shagbark hickory tree; copper nail and washer	798.92
2	46	12.19	Arndts, 0.4 mi W. of; at rd. crossing; 20 ft S. of track; 60 ft E. of rd.; in large boulder; iron bolt	731.980

LINE 7.

C. H. Ackerson, 1957; Book AV 528

2	48	0.00	"S 11 1932" (NGS)	429.264
2	48	0.80	"U 11 RESET 1949" (NGS)	428.808
2	50	2.35	Belfast, 1.2 mi N. of, along State Highways 12 and 115; 60 ft N. and 30 ft E. of, and about level with I-rd. W.; in S. end of E. retaining wall of concrete culvert; standard tablet stamped "17 CA 1957 639"	639.358
2	52	3.70	U.E., 40 ft S., 27 ft W. of I-rd. W.; in S. root of 12-in. twin oak trees; copper nail and washer	651.66
2	53	4.15	U.E., at stone arch bridge over creek; center of S. guardrail; chiseled square	539.03
2	54	5.06	Bushkill Center; 40 ft N. and 22 ft W. of, and about 4 ft higher than crossroad; on top of lawn retaining wall; standard tablet stamped "18 CA 1957 695"	695.350
2	58	7.49	Newton, 1.0 mi S. of; Haynes Mill, 0.4 mi NW. of; on State Highway 515; about 0.2 mi W. of I-rd. W.; on NW. wingwall of concrete bridge over Bushkill Creek; about 8 ft above water; PDH standard disk stamped "19 CA 1957 USGS"	617.018
2	62	10.41	U.E., copper nail and washer (Described in line 6)	798.92

LINE 8.

C. H. Ackerson, 1957; Book AV 528

2	63	0.00	"19 CA 1957 USGS" (PDH) (Described in line 7)	617.018
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WIND GAP

PENNSYLVANIA

C. H. Ackerson

Book AV 528

1957

LINE 8 (Cont'd.)Feet

2	63	0.79	U.E., at Moorestown; 20 ft S. and 20 ft W. of, and about 1 ft higher than crossroad; on E. curbing; chiseled square	771.99
2	66	3.29	U.E., 20 ft S., 12 ft E. of and about 3 ft higher than I-rd. S.; on retaining wall; chiseled square	627.09