

THIRD-ORDER LEVELING  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

OFFICE COPY HOLD

41-075-23  
POCONO QUADRANGLE  
140 PENNSYLVANIA  
N4100-7515/15  
DIAGRAM NK 18-8

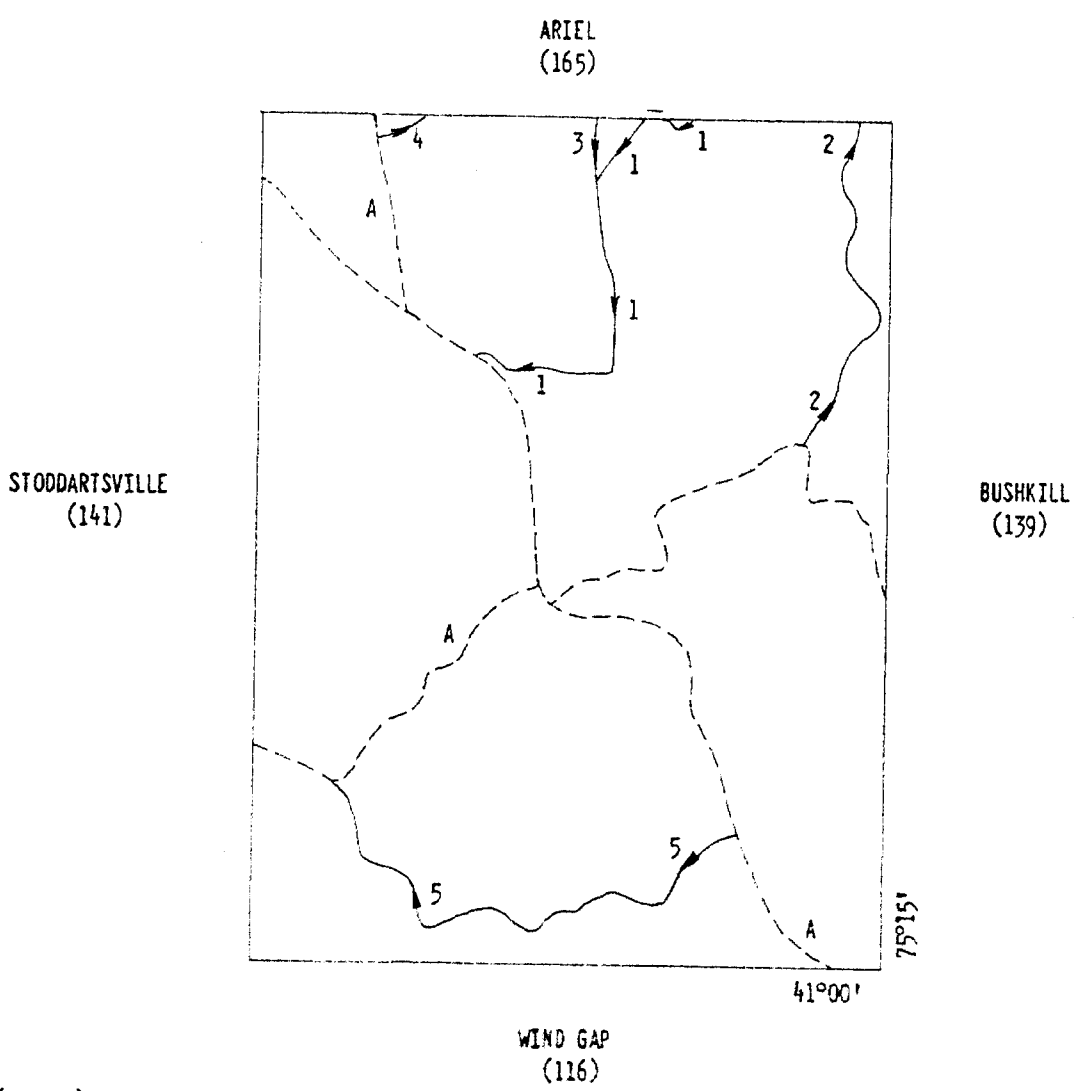
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Lackawanna, Monroe, Pike and Wayne Counties

Final adjustment of 1971

Edition of 8/74

PR: GwK/jyk



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 410752

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>	<u>MARK (USGS)</u>	<u>PAGE NO.</u>
1889 DLW	6		
1774 TBY	3	75 HLZ 1964 1073 Destroyed 11/30/93	7
1830 TBY	3	76 HLZ 1964 1089	7
1930 TBY	3	77 HLZ 1964 1182	7
1932	5	78 HLZ 1964 1263	7
1989 TBY	3	79 HLZ 1964 1400	7
2062 TBY	3	80 HLZ 1964 1640	8
2092 TBY	3	81 HLZ 1964 1895	8
2214 TBY	3	82 HLZ 1964 1846	8
C 62 PA 1921	3	83 HLZ 1964 1874	8
C 63 PA 1921	3	<u>PDH</u>	
C 64 PA 1921 (Reset 1933)	3	NOT STAMPED (785.770)	4
C 65 PA 1921	3	NOT STAMPED (830.033)	4
C 66 PA 1921	3	NOT STAMPED (891.566)	4
C 67 PA 1921	4	NOT STAMPED (1027.036)	4
C 69 PA 1921	4	NOT STAMPED (1067.788)	4
C 70 PA 1921	3	NOT STAMPED (1149.857)	4
C 72 PA 1921	4	37 HBC 1964 USGS	4
36 HBC 1964 1705	4	47 HBC 1964 USGS	5
38 HBC 1964 1835	4	49 HBC 1964 USGS	6
39 HBC 1964 1949	4	51 HBC 1964 USGS	6
40 HBC 1964 2099	5,6	52 HBC 1964 USGS	6
41 HBC 1964 2067	5	62 HBC 1964 USGS	6
42 HBC 1964 2039	5	72 HLZ 1964 USGS	7
43 HBC 1964 2088	5	74 HLZ 1964 USGS	7
44 HBC 1964 2075	5	<u>NGS</u>	
45 HBC 1964 2069	5	L 59 RESET	5
46 HBC 1964 1957	5	D 224 1958	7
48 HBC 1964 1245	5	P 225 1958	8
50 HBC 1964 1129	6	J 288 1961	5
53 HBC 1964 1657.4	6		
54 HBC 1964 1819	6		
61 HBC 1964 2027	6		
<del>73 HLZ 1964 986 Destroyed 11-30-93</del>	7		

ISOLATED BENCH MARKS (By E. C. Burt, 1917; Book B 82, R. G. Clinite, 1921; Book B 1170)	<u>Feet</u>
Tobyhanna, 0.6 mi N. of; at Camp Summerall; 15 ft S. of S. corner of power plant; 72 ft SW. of high red tank; on N. side of rd. at N. point of triangle; in rock; standard tablet stamped "1989 TBY"	1990.944
Tobyhanna, 4.4 mi NE. of; 35 ft N. of junction of North and South Pike and rd. SW. to Tobyhanna; on E. side of pike; in 24-in. boulder; standard tablet stamped "2092 TBY" (Reported not found, 1966)	2093.440
Tobyhanna, 4.4 mi NE. of; on about highest point of bare rocky ridge known as Kistler Ledge; about 225 ft NE. of point where trail crosses rock ledge; in large flat solid rock; standard tablet stamped "2214 TBY"	2215.826
Tobyhanna, 3.4 mi NW. of; 0.4 mi NW. of crossing of Frame Cabin Run; at crossing of Lackawanna Trail and telephone line; on NE. side of hwy.; in E. end of 3- by 20-ft boulder; standard tablet stamped "1930 TBY"	1931.290
Tobyhanna, 5.7 mi NW. of; on S. side of Monroe-Wayne County line; 2.7 mi SW. of Gouldsboro; 80 ft E. of junction of Lackawanna Trail and State Highway 507; in rock; standard tablet stamped "1830 TBY"	1831.001
Gouldsboro, about 1.4 mi SW. of; on bare rock summit known as Prospect Rock; just N. of Monroe-Wayne County line; about 1.0 mi NE. of Lackawanna Trail; in 6- by 5- by 2-ft rock; standard tablet stamped "2062 TBY"	2063.645
Warnertown; 90 ft S. of W. end of bridge over Tobyhanna Creek; on E. side of hwy.; in 2-ft boulder; standard tablet stamped "1774 TBY"	1775.228
Bartonsville, about 635 ft SW. of intersection of U. S. Highway 611 and State Highway 12; in top of stone wingwall of old bridge over Pocono Creek; standard disk stamped "C 70 PA 1921"	765.301
Mountain Home; on W. side of State Highway 90; 60 ft N. of NE. corner of grammar school; in rock in place; standard tablet stamped "C 62 PA 1921"	1208.088
Paradise Valley, 1.6 mi NW. of; 200 ft W. of NE. corner of Korner School; on S. side of State Highway 615; in cleared uncultivated field; in boulder; standard tablet stamped "C 63 PA 1921"	1129.570
Mount Pocono; 0.3 mi NW. of post office; at Pocono Hay-Ven; in base of left front column of porte cochere; standard tablet stamped "C 64 PA 1921" (Reset 1933) (Reported not found, 1966) (Elevation doubtful)	1814.244
Pocono Summit; across County Road 940 from Delaware, Lackawanna and Western Railroad Station; at Pocono Summit Post Office and General Store; on top of W. end of top step leading to post office; 1 1/2 ft above ground; standard tablet stamped "C 65 PA 1921" (Tied by NGS, 1934)	1828.868
Naomi Pines; 160 ft NE. of RR. and hwy. crossing; near N. right-of-way line of RR.; in rock in place; standard tablet stamped "C 66 PA 1921"	1800.668

ISOLATED BENCH MARKS (Cont'd.)

	<u>Feet</u>
Pocono Lake; 130 ft SW. of station; 110 ft S. of rd. crossing; in rock in place; standard tablet stamped "C 67 PA 1921"	1688.932
Merwinsburg, 3.2 mi NW. of; in N. angle of junction of Wilkes-Barre and Easton Pike and rd. NE. to Long Pond; in rock in place; standard tablet stamped "C 69 PA 1921"	1850.817
Swiftwater; in center of lower stone step of Swiftwater Valley Memorial; Pennsylvania Department of Highways standard disk not stamped	1149.857
Swiftwater; in stone floor of Swiftwater Valley Memorial; in front of Navy gun; standard tablet stamped "C 72 PA 1921"	1150.397
Scot Run, 0.3 mi N. of; on W. side of concrete bridge; at S. end of coping; PDH standard disk not stamped	1067.788
Scot Run; near post office; on W. side of concrete bridge; at S. end of coping; PDH standard disk not stamped	1027.036
Tannersville; about 120 ft S. of post office; in E. coping of concrete bridge; PDH standard disk not stamped	891.566
Tannersville; 1.2 mi SE. of post office; 1.7 mi NE. of Bartonsville; in NE. wingwall of concrete hwy. bridge over Cranberry Creek; PDH standard disk not stamped	830.033
Bartonsville, 0.8 mi NE. of; in E. end of N. coping of concrete culvert; PDH standard disk not stamped	785.770

LINE 1.

H. W. Clarkson, 1964; Book AV 1302

8 32 15.69	LaAnna, 0.1 mi NE. of, along graded rd.; 13 ft W. of, and 0.5 ft lower than center of N. end of bridge; in NW. wingwall; standard tablet stamped "36 HBC 1964 1705"	1704.868
8 34 16.75	LaAnna, 1.0 mi NW. of; at South Sterling; 124 ft N. and 21 ft W. of, and 10 ft lower than centerline of rd. at junction of Y-rd. SW.; in SE wingwall of bridge; PDH standard disk stamped "37 HBC 1964 USGS"	1593.318
8 36 17.63	South Sterling, 0.9 mi S. of, along State Highway 490; 21 ft N. and 27 ft W. of, and 3 ft higher than centerline of rd. at private drive N.; in bottom step leading to house; standard tablet stamped "38 HBC 1964 1835"	1834.858
8 38 18.48	South Sterling, 1.7 mi S. of, along State Highway 490; 20 ft N. and 54 ft W. of, and 7.5 ft higher than centerline of powerline crossing; in NE. corner of step to telephone power house; standard tablet stamped "39 HBC 1964 1949"	1949.124

1964

LINE 1 (Cont'd.)

Feet

8	40	19.25	South Sterling, 2.5 mi S. of, along State Highway 490; 21 ft S. and 92 ft W. of, and 8 ft higher than centerline of rd. at junction of Y-rd. W.; in boulder; standard tablet stamped "40 HBC 1964 2099"	2098.660
8	42	20.38	South Sterling, 2.5 mi S. of, along State Highway 490, thence 1.2 mi S. along State Highway 196; 36 ft S. and 67 ft E. of, and 6 ft lower than centerline of rd. at drive E.; in NW. concrete foundation to ruined house; standard tablet stamped "41 HBC 1964 2067"	2067.259
8	44	21.41	South Sterling, 2.5 mi S. of, along State Highway 490, thence 2.3 mi S. along State Highway 196; 12 ft S. and 11 ft E. of NE. corner of Centennial Hotel; 12 ft W. of centerline of rd. opposite; in NE. corner of concrete walk to hotel; standard tablet stamped "42 HBC 1964 2039"	2039.188
8	45	22.53	South Sterling, 2.5 mi S. of, along State Highway 490, thence 3.4 mi S. along State Highway 196; 22 ft N. and 37 ft W. of NW. corner of small service station; in NW. corner of concrete gasoline pump base; standard tablet stamped "43 HBC 1964 2088" <i>Destroyed, 1978</i>	2088.108
8	47	23.40	South Sterling, 2.5 mi S. of, along State Highway 490, thence 3.8 mi S. along State Highway 196, thence 0.5 mi W. along graded rd.; 0.8 mi NE. of Tobyhanna Fire House, thence 1.7 mi E. along graded rd.; 23 ft N. and 11 ft W. of, and level with centerline of woods rd. NE.; in concrete post; standard tablet stamped "44 HBC 1964 2075"	2075.246
8	49	24.33	Tobyhanna Fire House, 0.8 mi NE. of, thence 0.8 mi E. along graded rd.; 25 ft S. and 17 ft E. of, and 3 ft higher than centerline of rd. at woods rd. S.; in large boulder; standard tablet stamped "45 HBC 1964 2069"	2068.473
8	51	25.41	Tobyhanna Fire House, 0.4 mi NE. of; 15 ft E. of power pole No. B-19007; 18 ft S. and 60 ft E. of, and level with centerline of rd. at private drive S.; in S. concrete abutment; standard tablet stamped "46 HBC 1964 1957"	1957.107
8	52	26.24	Tobyanna; 50 ft SE. of station platform; at base of switch tower; in coping facing tracks; standard tablet stamped "1932"	1934.237
8	54	27.85	"J 288 1961" (NGS)	1966.194

LINE 2.

H. W. Clarkson, 1964; Book AV 1302

8	61	0.00	"L 59 RESET" (NGS) <sup>1950</sup> <i>DISTURBED EXCEPT FOR STEM + center of tablet        ELEVATION should be BK 3/94 RLM</i>	1206.537
8	61	1.11	Mountainhome; 0.1 mi N. of post office, along State Highway 390; 23 ft N. of, and 1 ft lower than center of NE. end of bridge; in N. wingwall; PDH standard disk stamped "47 HBC 1964 USGS"	1169.352
8	62	1.97	Mountainhome; 1.0 mi N. of post office, along State Highway 390; 50 ft N. and 94 ft E. of, and 1 ft higher than centerline of rd. at junction of Y-rd. N.; in S. end of concrete gasoline pump base; standard tablet stamped "48 HBC 1964 1245"	1245.059

1964

LINE 2 (Cont'd.)Feet

8	65	3.11	Mountainhome; 2.2 mi N. of post office, along State Highway 390; 360 ft SW. of Canadensis, along State Highway 390; 18 ft N. and 3 ft E. of, and level with center of NE. end of bridge; in N. wingwall; PDH standard disk stamped "49 HBC 1964 USGS"	1001.606
8	67	4.16	Canadensis, 1.0 mi N. of, along State Highway 290; at N. end of pond; in top of concrete dam; standard tablet stamped "50 HBC 1964 1129"	1128.764
8	68	4.83	Canadensis, 1.7 mi N. of, along State Highway 290; 12 ft N. and 19 ft E. of, and 1 ft lower than center of S. end of bridge; in SE. wingwall; PDH standard disk stamped "51 HBC 1964 USGS"	1192.497
8	70	5.92	Canadensis, 2.9 mi N. of, along State Highway 290; 6 ft N. and 18 ft E. of, and level with center of SW. end of bridge; in SE. wingwall; PDH standard disk stamped "52 HBC 1964 USGS"	1370.082
8	72	6.69	Canadensis, 3.7 mi N. of, along State Highway 290; 47 ft E. of SE. corner of cabin; 85 ft S. and 71 ft W. of, and 2 ft higher than centerline of rd. at private drive SW.; in boulder; standard tablet stamped "53 HBC 1964 1657.4"	1657.373
8	75	7.60	Canadensis, 4.7 mi N. of, along State Highway 290; 3.6 mi SE. of Panther; 33 ft S. and 57 ft W. of, and 3.5 ft lower than center of bridge; in boulder; standard tablet stamped "54 HBC 1964 1819"	1819.183

LINE 3.

H. W. Clarkson, 1964; Book AV 1302

9	17	6.84	Angels, 2.0 mi S. of, along State Highway 196; 66 ft N. and 38 ft E. of, and 5 ft higher than centerline of rd. at woods rd. W.; in large boulder; standard tablet stamped "61 HBC 1964 2027"	2026.503
9	19	7.87	Angels, 3.1 mi S. of, along State Highway 196; 14 ft E. of, and level with center of N. end of bridge; in SE. wingwall; PDH standard disk stamped "62 HBC 1964 USGS"	1949.311
9	21	8.74	"40 HBC 1964 2099" (Described in line 1)	2098.660

LINE 4.

H. W. Clarkson, 1964; Book AV 1302

9	23	0.00	Gouldsboro; along D. L. & W. RR.; 4 rails SE. of, and across County Road 507 from station; 34.2 ft SE. of centerline of county rd.; 6.3 ft SW. of SW. rail; 5.4 ft NW. of NW. side of overhead signal No. 112.8; about level with track; in top of SE. corner of concrete base which formerly supported flagman house; standard tablet stamped "1889 DLW" (Tied by NGS, 1934)	1890.898
---	----	------	---	----------

1964

LINE 5.

Feet

H. L. Zohn, Jr., 1964; Book AV 1302

12	30	0.00	"D 224 1958" (NGS)	837.331
12	30	0.62	Tannersville; 0.6 mi SE. of post office, along U. S. Highway 611, thence 0.5 mi W. along macadam rd.; 17 ft S. and 70 ft W. of, and 0.7 ft higher than center of bridge over Interstate Highway 80; in SW. wingwall; PDH standard disk stamped "72 HLZ 1964 USGS"	929.674
12	32	1.56	Tannersville; 0.6 mi SE. of post office, along U. S. Highway 611, thence 1.3 mi W. along macadam rd., thence 0.1 mi SW. along State Highway 715 leading to Reeders; 15 ft NW. of, and level with centerline of rd. over 24-in. pipe culvert; in center of N. concrete rail; standard tablet stamped "73 HLZ 1964 986" <i>Destroyed see file</i>	986.337
12	34	2.41	Reeders; 0.1 mi NE. of Jackson Township School, along State Highway 715; 15 ft NE. of, and 0.3 ft lower than center of bridge over creek; in NE. wingwall; PDH standard disk stamped "74 HLZ 1964 USGS"	978.827
12	36	3.38	Reeders; 0.1 mi W. of Jackson Township School, along State Highway 715, thence 0.7 mi NW. along macadam rd.; 2 ft N. of witness post; 15 ft E. of power pole; 20 ft S. and 25 ft E. of, and 1 ft lower than centerline of rd. at junction of Y-rd.; in concrete post; standard tablet stamped "75 HLZ 1964 1073" <i>Destroyed see file</i>	1073.410
12	38	4.23	Reeders; 0.1 mi W. of Jackson Township School, along State Highway 715, thence 1.6 mi NW. and W. along macadam rd.; 40 ft N. and 18 ft W. of, and level with centerline of rd. at junction of Y-rd.; in rock outcrop; standard tablet stamped "76 HLZ 1964 1089"	1089.156
12	41	5.23	Reeders; 0.1 mi W. of Jackson Township School, along State Highway 715, thence 2.6 mi NW. and W. along macadam rd.; 1 ft S. of witness post; 25 ft N. of, and 0.5 ft lower than centerline of rd. at junction of Y-rd.; in boulder; standard tablet stamped "77 HLZ 1964 1182"	1181.834
12	44	6.27	Reeders; 0.1 mi W. of Jackson Township School, along State Highway 715, thence 3.6 mi NW. and N. along macadam and dirt rd.; 3 ft N. of witness post; 15 ft N. of, and level with centerline of rd. opposite large trash pile; in concrete post; standard tablet stamped "78 HLZ 1964 1263"	1262.587
12	47	7.29	Reeders; 0.1 mi W. of Jackson Township School, along State Highway 715, thence 4.6 mi NW. and W. along macadam and dirt rd.; 6 ft W. of witness post; 40 ft S. of, and 3 ft higher than centerline of rd. opposite; in large boulder; standard tablet stamped "79 HLZ 1964 1400"	1400.315

LINE 5 (Cont'd.)

1964

Feet

12	50	8.30	Reeders; 0.1 mi W. of Jackson Township School, along State Highway 714, thence 5.6 mi NW. and W. along macadam and dirt rd.; 2 ft N. of witness post; 15 ft S. of, and 1.3 ft lower than centerline of rd. opposite; in large boulder; standard tablet stamped "80 HLZ 1964 1640"	1639.855
12	53	9.50	Long Pond; 1.2 mi S. of post office, along macadam rd., thence 1.6 mi SE. along dirt rd.; 1 ft E. of witness post; 40 ft S. and 7 ft W. of, and level with centerline of rd. at woods rd. E.; in concrete post; standard tablet stamped "81 HLZ 1964 1895"	1895.392
12	55	10.40	Long Pond; 1.2 mi S. of post office, along macadam rd., thence 0.7 mi SE. along dirt rd.; 10 ft N. and 20 ft W. of, and 3 ft higher than center of bridge over Tunkhannock Creek; in W. end of N. rail; standard tablet stamped "82 HLZ 1964 1846"	1845.900
12	58	11.64	Long Pond; 0.6 mi S. of post office, along macadam rd.; 1 ft W. of witness post; 10 ft NE. of power pole; 30 ft S. and 26 ft E. of, and 1 ft higher than centerline of rd. at field rd. E.; in concrete post; standard tablet stamped "83 HLZ 1964 1874"	1874.404
12	60	12.55	"P 225 1958" (NGS)	1875.390