

THIRD-ORDER LEVELING  
SEA LEVEL DATUM OF 1929

*NEIC*

MAHANOY QUADRANGLE  
119 PENNSYLVANIA  
N4045-W7600/15  
DIAGRAM NO. 18-10  
HARRISBURG

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Columbia, Luzerne and Schuylkill Counties

Final adjustment of 1971

Edition of 5/8/72

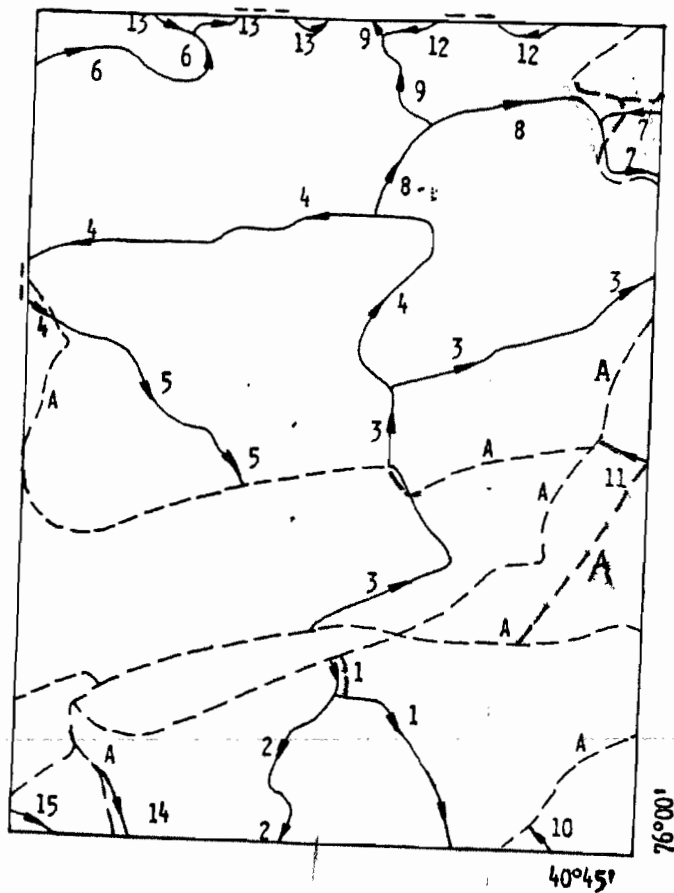
PR: GWK/jyk

Only the permanent marks  
are listed for lines  
run more than 25 years  
before edition date

SHICKSHINNY  
(143)

CATAWISSA  
(120)

HAZLETON  
(118)



POTTSVILLE  
(96)

NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 400761

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1942

LINE 1.Feet

|  |          |
|--|----------|
| A. L. Moore, 1942; Book B 9566   |          |
| "G 40 1934" (NGS)  | 1227.819 |
| U.E., Mahanoy City, 0.8 mi SE. of; 25 ft NE. of Y-rd. junction; 25 ft SW. of B. T. Co. pole 16; 20 ft E. of rd.; on boulder; chiseled square   | 1491.41  |
| U.E., Mahanoy City, 1.4 mi SE. of; at SE. point of fork of Y-rd.; on catch basin; chiseled square  | 1687.10  |
| Mahanoy City, 2.4 mi SE. of; 125 ft SW. of Y-rd. fork; 65 ft SW. of catch basin; 35 ft NW. of rd.; in boulder; standard tablet stamped "1 M 1942" (Reported destroyed, 1958)   | 1639.393 |
| Reference mark; 65 ft NE. of tablet; on catch basin; chiseled square   | 1639.01  |
| Mahanoy City, 4.0 mi SE. of; 250 ft SW. of crossroad; 20 ft S. of SW. corner of Walburn School; in boulder; flush with ground; standard tablet stamped "2 M 1942"  | 1300.142 |
| Reference mark; 200 ft NE. of tablet; 120 ft SE. of crossroad; 25 ft N. of P. P. & L. Co. pole 13743; on catch basin; chiseled square  | 1285.91  |
| U.E., Mahanoy City, 4.7 mi SE. of; 3.2 mi NW. of Moss Glen Hotel at Brocton (formerly known as Patterson); on NE. corner of bridge over Locust Creek; chiseled square  | 1163.74  |
| Brocton, 2.3 mi NW. of; 12.5 ft S. and 15.5 ft W. from junction of second-class rd. W. to fire tower and State Route 234 (Legislative Route 53038) N.-S.; 33.3 ft S. of 18-in. pine tree with triangular blaze; in small rock outcrop; Pennsylvania Department of Highways standard disk stamped "TS 53 26 K 1941" | 1387.067 |
| U.E., Brocton, 1.9 mi NW. of; 25 ft N. of high-power line; 15 ft E. of rd.; on boulder; chiseled square  | 1388.66  |
| U.E., Brocton, 1.4 mi NW. of; 40 ft SE. of junction of private rd. W.; 15 ft SW. of rd.; at edge of ditch; on boulder; chiseled square   | 1233.39  |
| U.E., Brocton; 0.6 mi NW. of Moss Glen Hotel; 65 ft SW. of crossroad; W. rd. barred by several posts; 12 ft W. of rd.; in ditch; on boulder; chiseled square   | 916.89   |
| Brocton (formerly known as Patterson); 39 ft S. and 42 ft W. from junction of State Route 234 (L. R. 53038) NW. and U. S. Highway 209 (L. R. 162 (SW.-NE.)); 47.2 ft from telegraph pole 245; on concrete platform of Moss Glen Hotel; 19.9 ft from NW. corner; PDH standard disk stamped "TS 53 27 K 1941"        | 786.973  |

LINE 2.

|  |         |
|--|---------|
| A. L. Moore, 1942; Book B 9566   |         |
| U.E., Mahanoy City, 3.3 mi S. of, along St. Clair Road; about 200 ft SW. of sharp curve; 15 ft NW. of rd.; on stone catch basin; chiseled square | 1732.96 |

1942

LINE 2 (Cont'd.)Feet

- Mahanoy City, 4.6 mi S. of, along St. Clair Road; 5.4 mi NE. of St. Clair; 270 ft NW. of junction of hwy. and dirt rd.; 35 ft SE. of W. point of triangle; 3 ft SW. of dirt rd.; flush with ground; in boulder; standard tablet stamped "3 M 1942" (Reported not found, 1954) 1649.322
- Reference mark; 290 ft NW. of tablet; on E. side of rd.; on stone catch basin; chiseled square 1659.87
- U.E., St. Clair, 4.5 mi NE. of; 100 ft S. of T-rd. E.; 35 ft E. of rd. at sharp curve to NW.; on E. edge of old rd.; on boulder; chiseled square 1669.87

LINE 3.

A. L. Moore, 1942; Book B 9566

- "RV 66" (NGS) 1256.028
- U.E., Mahanoy City, 1.5 mi NE. of, along rd. to Delano; 20 ft N. and 15 ft E. from junction of T-rd. N.; 10 ft S. of 20-in. oak tree; on small boulder; chiseled square 1403.69
- Mahanoy City, 2.7 mi NE. of, along rd. to Delano; 100 ft SW. of Y-rd. fork; 50 ft S. of hwy.; 10 ft N. of dirt rd.; in SE. corner of 35- by 40-ft concrete foundation; standard tablet stamped "6 M 1942" 1623.517
- Reference mark; 34 ft N. of tablet; on NE. corner of same foundation; chiseled square 1623.58
- U.E., Mahanoy City, 3.4 mi NE. of, along rd. to Delano; 40 ft W. of T-rd. N. to Park Place; 20 ft S. of hwy.; on NE. corner of concrete foundation of old ruins; chiseled square 1717.72

SPUR LINE LEVELED TWICE

- Mahanoy City, about 4 mi NE. of; 1.0 mi SW. of Delano; 26.5 ft N. and 59 ft W. from junction of twp. rd. 481 SW. and State Route (L.R. 53041) E.-W.; in 4- by 4-ft boulder; PDH standard disk stamped "TS 53 4 K 1941" (Reported not found, 1950) 1707.151
- U.E., Mahanoy City, 3.3 mi along Delano Road NE. of, thence 0.9 mi along dirt rd. N.; at Park Place; 0.8 mi SE. of Park Place Air Beacon; 55 ft S. and 20 ft W. from T-rd. junction; 100 ft SE. of P. P. & L. Co. pole 10250; on large boulder; chiseled square 1592.89
- Park Place; at Air Beacon 61-A; in SW. corner of concrete base of beacon tower; standard tablet stamped "7 M 1942" 1930.545
- Reference mark; about 0.13 mi E. of tablet; 130 ft NW. of Y-rd. junction; 60 ft W. of rd.; on unused woods rd.; on small boulder; chiseled square 1879.39
- U.E., Park Place; 0.7 mi N. of Air Beacon 61-A; 0.8 mi S. of Girard Manor RR. crossing; 50 ft N. and 25 ft W. from junction of T-rd. W.; about 3 ft higher than rd.; on large boulder; chiseled square 1665.14

1942

LINE 3 (Cont'd.)

|   | <u>Feet</u> |
|---|-------------|
| "G 50 1934" (NGS) (NOTE: Post leans and is loose, about 1 ft out of ground)   | 1409.597    |
| "RV 269" (NGS)  | 1422.527    |
| U.E., Girard Manor; in village of; 30 ft N. and 27 ft E. from junction of Township Road 818 N. and State Route (L.R. 53070) E.-W.; on 6-in. iron corner marker 29 of Stephen Girard estate; centered triangle   | 1327.30     |
| U.E., Girard Manor; 1.3 mi N. of RR. crossing; on E. side of rd.; near center of bridge over Catawissa Creek; on wheelguard; chiseled square  | 1037.48     |
| Girard Manor, 2.3 mi N. of; 1.2 mi SE. of Sheppton; 100 ft N. of Y-rd. junction; 30 ft NW. of rd. to Sheppton; in ledge; standard tablet stamped "8 M 1942" (Reported disturbed, 1955)  | 1365.480    |
| Reference mark; 15 ft E. of tablet; 15 ft NW. of rd. to Sheppton; on edge of bank; on boulder; chiseled square  | 1365.12     |
| U.E., Sheppton, 1.3 mi SE. of; 0.1 mi E. of paved rd., along rd. to Audenried; 40 ft W. of rd. NW.; top of 6-in. square iron post; Girard Estates marker 31   | 1410.73     |
| U.E., Sheppton, 1.9 mi SE. of; 150 ft W. of Y-rd. junction; 125 ft W. of spring; 50 ft W. of junction of T-rd. S.; 10 ft N. of rd.; on boulder; chiseled square   | 1309.77     |
| Sheppton, 2.9 mi SE. of; 4.9 mi SW. of Audenried Post Office; 60 ft S. of mouth of drainage tunnel; 20 ft N. of rd.; 45 ft NW. of pole 3460; on E. side of drainage ditch; in concrete wall; standard tablet stamped "9 M 1942" <i>7-6-99 Reported in good shape</i>                              | 1176.981    |
| Reference mark; 35 ft S. of tablet; on S. concrete headwall of culvert; chiseled square   | 1176.67     |
| U.E., Audenried, 4.6 mi SW. of; near center of N. wheelguard of concrete bridge; chiseled square  | 1189.80     |
| U.E., Audenried, 4.0 mi SW. of; 80 ft E. of pole 3501; 20 ft N. of Y-rd. junction; about 1 ft lower than top of bank; on boulder; chiseled square   | 1371.54     |
| U.E., Audenried, 3.4 mi SW. of; 12 ft SE. of rd.; 5 ft N. of 10- by 10-ft boulder about 5 ft higher than rd.; on boulder; about 1 ft higher than rd.; chiseled square   | 1594.20     |
| Audenried, 2.6 mi SW. of; 1.4 mi SW. of locked gate across rd. near RR. crossing; 0.2 mi NE. of Luzerne-Schuylkill County line post; 15 ft S. and 10 ft E. from crossroad; 4.5 ft NE. of 14-in. cast iron standpipe 1-ft high; flush with ground; in boulder; standard tablet stamped "10 M 1942" | 1747.669    |
| Reference mark; 30 ft NW. of tablet; 15 ft N. and 10 ft W. from crossroad; 25 ft E. of telephone pole; flush with ground; on boulder; chiseled square   | 1747.23     |

1942

LINE 3 (Cont'd.)Feet

U.E., Audenried, 1.3 mi SW. of; at locked gate across rd.; 50 ft W. of RR. track; 6 ft N. of gate; on SE. wingwall of concrete bridge; chiseled square 1695.86

LINE 4.

A. L. Moore, 1942; Book B 9566

U.E., Sheppton, 0.6 mi SE. of; 100 ft SE. of Y-rd. junction; 40 ft NE. of rd.; on large boulder; chiseled square 1637.60

U.E., Sheppton; 80 ft N. of post office; at SE. corner of cross streets; on corner of curb; chiseled square 1640.16

Sheppton, about 1 mi N. of; at Oneida; 100 ft E. of St. John Catholic Church; 60 ft N. of rd.; in conglomerate boulder; standard tablet stamped "11 M 1942" (Reported destroyed, 1955) 1715.434

Reference mark; 105 ft W. of tablet; 2 ft E. of SE. corner of church entrance; on boulder; chiseled square 1708.93

U.E., Sheppton, 1.8 mi NE. of, along State Highway 924; 30 ft S. and 10 ft W. from RR. crossing; on large boulder; chiseled square 1722.10

Sheppton, 2.1 mi NE. of, along State Highway 924; in NW. wingwall of concrete bridge; PDH standard disk not stamped (Reported destroyed, 1955) 1686.724

Sheppton, 2.2 mi NE. of, along State Highway 924; at 45° angle; in NE. wingwall of concrete bridge; PDH standard disk not stamped (Reported destroyed, 1955) 1695.315

Sheppton, 2.2 mi NE. of, along State Highway 924, thence 0.6 mi along dirt rd. N.; 100 ft NE. of woods rd. SE.; 30 ft NW. of rd.; in large ledge outcrop; standard tablet stamped "12 M 1942" 1804.313

Reference mark; 40 ft NE. of tablet; 20 ft NW. of rd.; 5 ft NW. of 6-in. pine tree; on boulder; chiseled square 1806.30

U.E., Sheppton, 2.2 mi NE. of, thence 1.2 mi N.; 0.5 mi S. of fire tower 915; 30 ft N. of 6-in. pine tree; 5 ft W. of rd.; on boulder; chiseled square 1960.34

Sheppton, 2.2 mi NE. of, thence 2.0 mi N. along dirt rd.; 0.4 mi NW. of fire tower 915; 2.9 mi E. of Weston; 260 ft W. of T-rd. S.; 20 ft N. of rd.; in boulder; standard tablet stamped "13 M 1942" 1882.369

Reference mark; 58 ft W. of tablet; 15 ft N. of rd.; flush with ground; on small boulder; chiseled square 1878.76

U.E., Weston, 1.7 mi E. of; 30 ft S. and 20 ft E. from Y-rd. junction; 12 ft E. of telephone pole; on top of 5-ft bank; on boulder; chiseled square 1497.44

Weston, 0.4 mi SE. of; 365 ft W. of cemetery; 45 ft S. of rd.; 25 ft SW. of 28-in. white oak tree; in boulder; standard tablet stamped "14 M 1942" ("reported destroyed, 1976") 1230.648

1942

LINE 4 (Cont'd.)Feet

|   |          |
|---|----------|
| Reference mark; 50 ft NW. of tablet; 25 ft S. of rd.; 6 ft SW. of 24-in. maple tree; on boulder; chiseled square  | 1225.87  |
| U.E., Weston, 1.1 mi SW. of; 0.8 mi SE. of Nuremberg (New London) Post Office; 0.1 mi E. of sharp curve in hwy.; 180 ft SW. of rd. N.; 25 ft SE. of rd.; 6 ft S. of 28- n. oak tree; on S. end of large boulder; chiseled square                            | 1093.16  |
| U.E., Nuremberg; 0.3 mi SE. of post office; at North Union Township High School; 25 ft NE. of rd.; on second concrete step at entrance to schoolhouse; chiseled square  | 1061.39  |
| Nuremberg, 1.3 mi SW. of; 0.5 mi W. of paved rd. SW.; 80 ft SE. of woods T-rd.; 50 ft SW. of rd.; in large boulder; standard tablet stamped "15 M 1942"   | 1286.128 |
| Reference mark; 63 ft NE. of tablet; 15 ft NE. of and about 2 ft higher than rd.; on boulder; chiseled square   | 1290.84  |
| U.E., Nuremberg, 2.3 mi SW. of; 100 ft NE. of woods T-rd. S.; 100 ft NW. of small house painted green; 50 ft N. of rd.; on large boulder; chiseled square   | 1294.79  |
| Nuremberg, 3.3 mi SW. of; 0.9 mi NE. of State Highway 44; 140 ft E. of woods T-rd. S.; 40 ft N. of rd.; about 2 ft above ground; in 4- by 8-ft boulder; standard tablet stamped "16 M 1942"   | 1245.087 |
| Reference mark; 60 ft W. of tablet; 35 ft N. of rd.; on boulder; chiseled square  | 1242.52  |
| U.E., Nuremberg, 4.2 mi SW. of; 0.5 mi SE. of Davis Chapel; 20 ft E. of State Highway 44; 15 ft S. of dirt rd.; at NW. corner of garage; on boulder; chiseled square  | 970.95   |
| Shuman; 4.0 mi SE. of post office; about 8 mi N. of Ringtown; on State Highway 44; in frontyard of Davis Chapel; 23 ft S. and 35 ft W. from junction of rd. S.; 4.3 ft E. of NE. corner of chapel; in concrete post; standard tablet stamped "TT 22 T 1942" | 980.251  |
| Reference mark; 14 ft NW. of tablet; on NE. corner of entrance platform to Davis Chapel; chiseled square  | 982.18   |
| U.E., Davis Chapel, 0.8 mi SW. of; at SE. corner of concrete bridge over Catawissa Creek; on wheelguard; chiseled square  | 777.97   |

[Joins into Catawissa quadrangle]

|  |          |
|--|----------|
| U.E., Raricks; 0.9 mi NW. of station; about 150 ft W. of rd.; 110 ft N. of pole 128 and 30; 80 ft N. of watchman's shack; 7 ft E. of E. rail of Reading Company Railway; 1 ft lower than top of rail; in rock cut; on ledge; chiseled square | 1010.24  |
| "Q 45 1934" (NGS)  | 1039.890 |

1942

LINE 5.Feet

A. L. Moore, 1942; Book B 9567

- Zion Grove, 0.8 mi W. of; 3.6 mi N. of Ringtown; 32 ft S. and 30 ft W. from crossroad; 5.5 ft N. and 3 ft W. from high-tension line pole marked "P. P. & L. Co. 12754"; in concrete post; standard tablet stamped "TT 24 T 1942" 1068.495
- U.E., Zion Grove; 0.13 mi N. of post office; on State Highway 44; on NW. corner of bridge over Catawissa Creek; 10 ft S. of N. end of wingwall; chiseled square 831.80
- Zion Grove, 0.5 mi E. of, thence 1.0 mi SE. of post office; 55 ft N. of junction of rd. W.; 30 ft E. of rd.; 20 ft N. of private driveway E.; 1 ft above ground; in 3- by 6-ft boulder; standard tablet stamped "17 M 1942" (Reported destroyed, 1955) 1093.580
- Reference mark; 100 ft S. of tablet; 20 ft E. of rd.; 2 ft W. of twin 10-in. white oak trees; on boulder; chiseled square 1089.87
- U.E., Zion Grove, 0.5 mi E. of, thence 2.1 mi SE.; 2.3 mi NW. of Brandonville Post Office; 80 ft E. of rd. S.; 20 ft S. of rd.; 20 ft NE. of NE. corner of house; on bottom step leading to house; chiseled square 1149.56
- Brandonville, 1.8 mi NW. of; at Horn School; 35 ft NW. of rd.; in entrance platform of brick schoolhouse; standard tablet stamped "18 M 1942" (Reported destroyed, 1955) 1157.345
- Reference mark; 30 ft NW. of tablet; 15 ft W. of NE. corner of schoolhouse; 1 ft N. of foundation wall; on boulder; chiseled square 1156.23
- U.E., Brandonville, 0.9 mi NW. of; on concrete bridge over Catawissa Creek; on top near center of SE. rail; chiseled square 911.30
- U.E., Brandonville; 0.1 mi N. of post office; at NE. corner of crossroads; on angular culvert headwall; chiseled square 1124.39

LINE 6.

A. L. Moore, 1942; Book B 9567

- Mountain Grove, 2.1 mi SW. of; 3.7 mi NE. of Shumans Post Office; at Bolinsky candy store; on N. side of E.-W. rd.; 19 ft N. and 7 ft W. from junction of rd. S.; 15 in. above ground; in large rock outcrop; standard tablet stamped "TT 19 T 1942" 975.786
- Reference mark; 38 ft E. of tablet; 20 ft N. of rd.; on boulder; chiseled square 976.24



1942

LINE 6 (Cont'd.)Feet

|  |          |
|--|----------|
| U.E., Mountain Grove, 1.0 mi SW. of; 100 ft SW. of T-rd. S.; 45 ft SW. of garage; 25 ft SE. of rd.; 12 ft W. of NW. corner of old stone wall; on boulder; flush with ground; chiseled square | 1010.45  |
| Mountain Grove; in SE. corner of frontyard of Mountain Grove School (abandoned); 22 ft N. and 62 ft W. from crossroad; in concrete post; standard tablet stamped "TT 18 T 1942"              | 1004.115 |
| U.E., Mountain Grove, 1.0 mi SE. of; 1.2 mi NW. of Rock Glen; 125 ft E. of T-rd. N.; 25 ft W. of P. P. & L. Co. pole 5530; on N. side of rd.; on stone catch basin; chiseled square          | 885.60   |
| U.E., Rock Glen, 1.1 mi N. of; 0.13 mi N. of T-rd. junction; on E. headwall of culvert; chiseled square  | 788.58   |
| Rock Glen, 2.0 mi N. of; 1.7 mi SW. along Pennsylvania RR. from Tank; in bottom step of NE. wingwall of RR. overhead bridge 8-87; standard tablet stamped "22 M 1942"                        | 735.659  |
| Reference mark; 63 ft S. of tablet; on bottom step of SE. wingwall of RR. bridge; chiseled square  | 736.60   |

LINE 7.

|  |          |
|--|----------|
| E. W. Smith, 1942; Book B 9605   |          |
| U.E., Hazleton; 3.0 mi NW. of post office; 1.1 mi E. of Oakbur Junction; 21 ft E. of State Highway 29; 51 ft S. of B. T. Company of Pa. pole 55; 12 ft N. of N. rail at L. V. RR. crossing; on culvert; chiseled square  | 1480.78  |
| Oakbur Junction; 1.2 mi S. of former Black Ridge Station; 0.11 mi SE. along track from watchman's shack; 4 ft E. of E. rail of L. V. RR.; in NE. abutment of bridge NBN 149 over Black Creek; standard tablet stamped "23 EWS 1942" (Reported disturbed, 1955) | 1462.246 |
| Reference mark; 18 ft NW. of tablet; 6 ft W. of W. rail of L. V. RR.; on NW. abutment; chiseled square   | 1462.41  |
| U.E., Oakbur Junction; 1.2 mi SE. of, along L. V. RR.; 2.8 mi NW. of Hazleton; 0.16 mi N. of electric line crossing; 12 ft E. of E. rail of track; on large conglomerate boulder; chiseled square  | 1529.56  |
| U.E., Hazleton; 1.6 mi NW. of L. V. RR. station; 8 ft NW. of track; on SW. abutment of RR. bridge NBN 147; chiseled square   | 1566.12  |

1942

LINE 8.Feet

A. L. Moore, 1942; Book B 9567

|   |          |
|---|----------|
| U.E., Weston, 2.6 mi NE. of; 1.5 mi SW. of Tomhicken; 90 ft NE. of rd. NW.; on SE. headwall of small bridge; chiseled square  | 1424.34  |
| U.E., Tomhickon, 0.5 mi S. of; 120 ft SW. of abandoned RR. crossing; 20 ft S. of rd.; on boulder; chiseled square   | 1250.51  |
| Tomhickon; 300 ft SW. of Sugarloaf Post Office; 125 ft S. of crossroad; 15 ft SE. of rd. at sharp curve; in large boulder; standard tablet stamped "20 M 1942"                  | 1332.029 |
| Reference mark; 100 ft NW. of tablet; 30 ft S. and 40 ft W. from crossroad; 20 ft E. of Atlantic gas pump; on boulder; chiseled square  | 1340.82  |
| U.E., Tomhickon; 0.8 mi E. of crossroad; in triangle at Y-rd. junction; on headwall of concrete culvert; chiseled square  | 1297.01  |
| Tomhickon; 2.0 mi E. of crossroad; 80 ft E. of Y-rd. junction; 20 ft N. of rd.; 4 ft N. of N. headwall of culvert; in conglomerate outcrop; standard tablet stamped "21 M 1942" | 1421.319 |
| Reference mark; 38 ft S. of tablet; on S. concrete headwall of culvert; chiseled square   | 1418.26  |
| U.E., Tomhickon; 2.9 mi E. of crossroad; 120 ft E. of T-rd. S. to former Black Ridge Station; on N. headwall of concrete culvert; chiseled square                               | 1468.09  |

LINE 9.

A. L. Moore, 1942; Book B 9567

|  |          |
|--|----------|
| U.E., Tomhickon, 0.7 mi NW. of; on top of mountain; 20 ft E. of junction of woods rd. N.; 25 ft N. of rd.; on ledge; chiseled square   | 1522.65  |
| Tomhickon, 1.6 mi NW. of; on S. side of Sugarloaf Mountain; 62 ft NE. of T-rd. S.; 26 ft N. of centerline of rd.; in concrete headwall; standard tablet stamped "23 M 1942 RESET 1966"                     | 1163.183 |
| Reference mark; 55 ft SW. of tablet; 6 ft N. of walkway; 2 ft E. of hedge; on W. side of rd.; on boulder; chiseled square  | 1156.82  |
| Tomhickon, 2.6 mi NW. of; 3.6 mi S. of Cedar Grove School; 15 ft N. and 34 ft W. from junction of rd. N. (Route 332) and E.-W. rd. (L. R. 40010); in concrete post; standard tablet stamped "TT 29 T 1942" | 1022.728 |
| Reference mark; 32 ft SW. of tablet; 9 ft NW. of P. P. & L. Co. pole 11686; on catch basin; chiseled square  | 1022.96  |
| U.E., Tomhickon, 3.1 mi NW. of; about 1 mi W. of Sugarloaf Mountain; about 200 ft E. of rd. N.; 30 ft N. of rd. E.; on concrete apron at W. end of door to large barn; chiseled square                     | 905.48   |

11  
MAHANoy  
Book B 9567

PENNSYLVANIA

A. L. Moore

1942

LINE 9 (Cont'd.)

Feet

U.E., Tomhickon, 3.5 mi NW. of; 50 ft SW. of crossroad; on SE. wingwall of concrete bridge;  
chiseled square 819.01

LINE 10.

R. E. Wells, 1942; Book B 9549

U.E., Tuscarora; 0.4 mi S. of RR. station, along blacktop rd.; 15 ft SE. of rd.; on NE. end of  
rock culvert; chiseled square 1037.74

"T 40 1934" (NGS) 896.947

LINE 11.

E. S. Smith, 1942; Book B 9605

U.E., Lofty, about 1 mi SE. of; 12 ft N. of rd.; on conglomerate outcrop; chiseled square 1340.19

"B 50 1934" (NGS) 1593.721

LINE 12.

E. B. Benson, 1942; Book B 9646

Drums, 1.9 mi SW. of; 23 ft S. and 42 ft W. from and about 10 ft higher than junction of T-rd.  
N.; in embedded rock; standard tablet stamped "27 B 1942 1106" 1105.787

LINE 13.

J. P. Nielson, 1942; Book B 9646

U.E., Tank, 1.7 mi SW. of, thence 0.2 mi NW.; 8 ft W. of rd.; on large boulder; chiseled square 838.74

U.E., Tank, 0.9 mi SW. of, along RR.; 54 ft W. of milepost 8; 21 ft N. of N. rail; on large  
boulder about level with RR. grade; chiseled square 683.38

[Jogs into Shickshinny quadrangle]

Tank, 0.7 mi S. of, along tarvia rd.; 280 ft E. of junction of T-rd. E.; 190 ft E. of E. end  
of small truss bridge over Nescopeck Creek; 18 ft NE. of rd.; about 6 in. higher than rd.;  
in rock outcrop; standard tablet stamped "18 JPN 1942 650" 649.823

Reference mark; 190 ft W. of tablet; on top of NE. corner of E. abutment of truss bridge;  
chiseled square 648.76

LINE 14.

A. L. Moore, 1942; Book B 9566

"E 42 1934" (NGS) 1159.830

1942

LINE 14 (Cont'd.)Feet

Frackville, about 3 mi SE. of; near Wetherill Junction; 27 ft E. of centerline of northbound lane of super hwy.; 29 ft N. and 57 ft W. from S. abutment of abandoned RR. bridge; 4 ft W. of W. end of billboard; about 2 ft above surface of rd.; in concrete post; standard tablet stamped "TT 18 K 1942"

1102.054

LINE 15.

R. E. Wells, 1942; Book B 9549

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