

THIRD-ORDER LEVELING  
SEA LEVEL DATUM OF 1929

SCRANTON QUADRANGLE  
166 PENNSYLVANIA  
N4115-W7530/15  
DIAGRAM NK 18-8  
SCRANTON

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

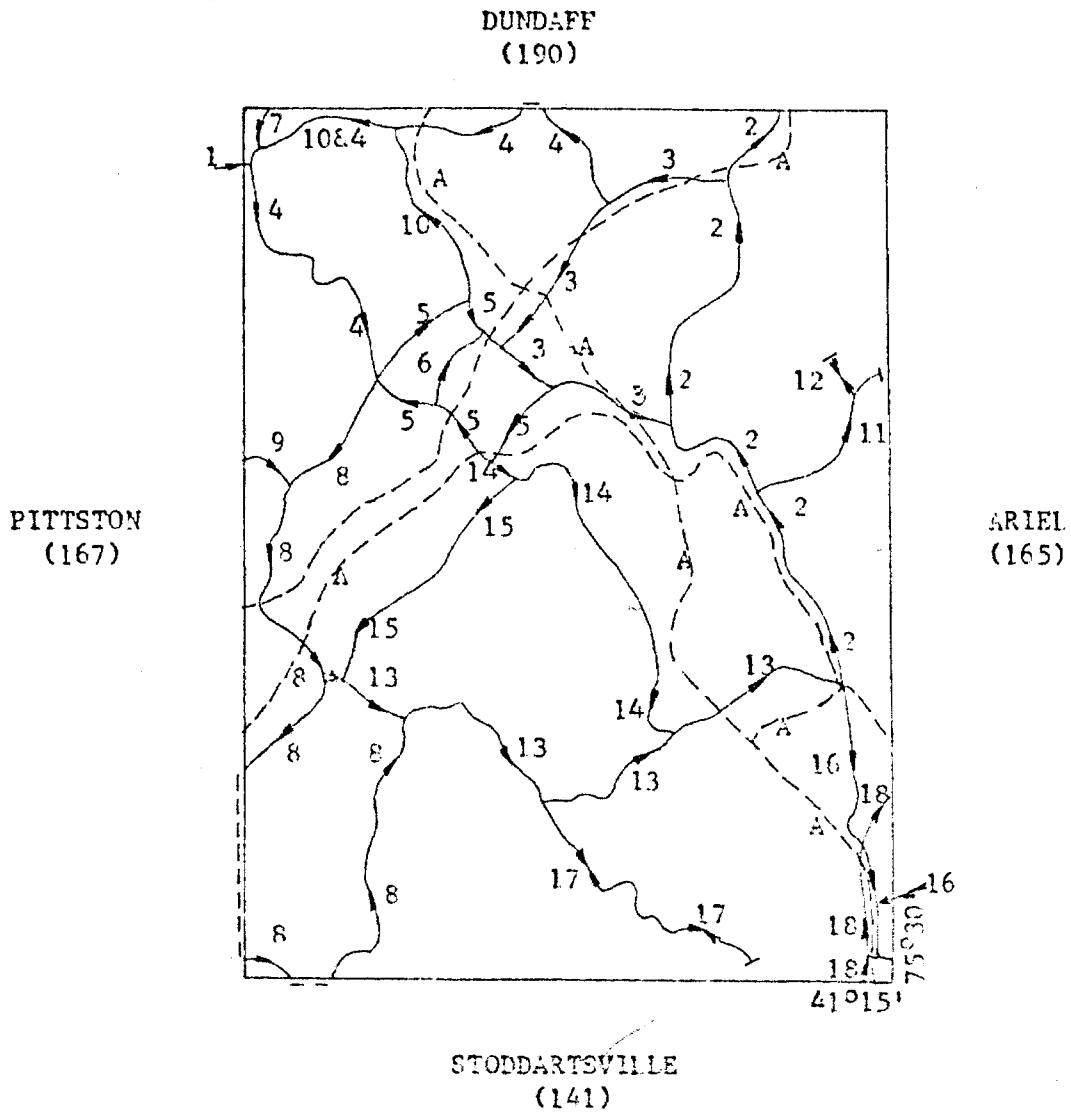
Lackawanna and Luzerne Counties

Final adjustment of 1971

Edition of 8/18/72

PR: GWK/jyk

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



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 410753

1942

LINE 1.Feet

E. B. Benson, 1942; Book B 9774

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

LINE 2.

F. J. MaMaugh, 1932; Book B 4320

- Moscow; 0.8 mi NW. of station, along Delaware, Lackawanna and Western Railroad; on top of N. corner of NW. concrete base of two which formerly supported an overhead signal tower (tower removed); 5.2 ft SW. of SW. rail and about level with track; square cut (Tied by NGS, 1935) 1510.318
- U.E., Moscow; 2.7 mi N. of station; on W. side of dam of Scranton Reservoir; on W. corner of stone; square cut (Tied by NGS, 1934; possibly disturbed) 1418.101
- Elmhurst; 200 ft SE. of junction of U. S. Highway 611 and State Highway 590; in top of SE. bridge seat of Erie RR. bridge 2165 over U. S. Highway 611; standard tablet stamped "TT 3 T 1932" 1388.301
- U.E., Elmhurst, 0.6 mi N. of; at hwy. station 1995+40; on S. end of W. side of concrete bridge; square cut 1346.95
- U.E., Elmhurst, 1.3 mi N. of, along hwy.; on W. side of rd. at junction of hwy. with rd. to Moosic Lake; on concrete culvert; square cut 1370.64
- U.E., Elmhurst, 2.0 mi N. of, along hwy.; at hwy. station 2029+20; on W. side of concrete bridge; square cut 1329.83
- Elmhurst, 2.25 mi NW. of; 4.6 mi SE. of Dunmore; on U. S. Highway 611; at big horseshoe bend in hwy.; 140 ft S. of front door of service station; 225 ft NW. of concrete bridge over small stream; between hwy. and Erie RR.; 51 ft N. of center of track; in concrete post; standard tablet stamped "TT 4 T 1932" 1287.105
- Reference mark; on concrete bridge; Pennsylvania Department of Highways standard disk 1297.40
- Reference mark; 0.15 mi from bridge; on S. side of; on concrete culvert; square cut 1297.83
- U.E., Elmhurst, 3.5 mi N. of; 3.4 mi SE. of Dunmore; on W. side of U. S. Highway 611; at small reservoir; on top of N. end of concrete wall; square cut 1308.37

LINE 2 (Cont'd.)

1932

Feet

U.E., Nay Aug; near station; S. of RR. water tank; at curve in hwy.; on top of concrete culvert at end of stone wall; square cut	1200.48
Dunmore, 1.4 mi SE. of, along U. S. Highway 611; 165 ft SE. from crossing of D. L. & W. RR. and U. S. Highway 611; 55 ft S. of hwy.; 3.5 ft W. of fence; on RR. property; in concrete post; standard tablet stamped "TT 5 T 1932"	1147.247
Reference mark; 500 ft N. of RR. crossing; top of SE. corner of concrete culvert; square cut	1146.89
Reference mark; 140 ft SE. of tablet; on ledge outcrop; square cut	1151.60
U.E., Dunmore; at intersection of Allen, Drinker and Warren Streets; on concrete porch of building at corner of Allen and Warren Streets; 18 in. from face of building; on W. end of porch; chiseled square	1167.18
U.E., Dunmore, 0.7 mi N. of; on E. side of D. L. & W. RR.; on large stone; chiseled square	1126.13
U.E., Dunmore, 1.0 mi N. of; 150 ft W. of mine entrance; top of E. end of N. wall of culvert; chiseled square	1110.09
U.E., Dunmore, 1.8 mi N. of; on top of W. end of S. abutment of culvert over old rd.; chiseled square	1066.14
U.E., Dunmore, 2.3 mi N. of; 500 ft S. of Underwood Colliery; on top of N. end of W. side of concrete culvert; chiseled square	1036.93
Dunmore, 4.1 mi NE. of; 2.7 mi N. of crossing of U. S. Highway 611 and D. L. & W. RR.; 1.9 mi SW. of Jessup; 0.14 mi NE. of Underwood Colliery; 100 ft SE. of track; in top of large rock; standard tablet stamped "TT 6 T 1932"	1036.479
U.E., Dunmore; 3.4 mi N. of RR. crossing; near powder plant of Dupont Co.; on N. end of W. wall of culvert over creek; chiseled square	989.22
U.E., Jessup; 0.4 mi N. of Church Street crossing; top of W. end of S. abutment; chiseled square	922.83
U.E., Riverside; 1.4 mi SE. of RR. crossing, along D. L. & W. RR.; on W. side of N. abutment of overhead bridge; square cut	892.45
Riverside; in S. corner of frontyard of Riverside Public School No. 8; 42 ft N. of center of rd.; in concrete post; standard tablet stamped "TT 7 T 1932"	922.430

1932

LINE 3 (Cont'd.)Feet

Reference mark; on NW. corner of lowest step of entrance to school; chiseled square	925.93
U.E., Riverside, 0.4 mi N. of; at NE. corner of T-rd. N. to Eynon; on NE. side of concrete culvert; chiseled square	950.81
U.E., Archbald; 1.1 mi N. of Riverside; in center of bridge over Lackawanna River and opposite First Presbyterian Church; chiseled square	889.94
U.E., Archbald; 0.2 mi N. of First Presbyterian Church; at Atlantic service station; on concrete base of sign; chiseled square	894.04

LINE 3.

F. J. McMaugh, 1932; Book B 4320

U.E., Riverside, 0.9 mi SW. of; at intersection of Main and Bridge Streets; 70 ft NW. of RR. crossing; on N. side of track; on NE. corner of concrete base of RR. signal box; chiseled square	825.85
U.E., Peckville, 0.3 mi SW. of; at entrance to Peckville National Bank; on extreme NW. corner of granite sill; chiseled square	808.52
U.E., Peckville, 1.3 mi SW. of; SW. of hwy. junction; at Mid Valley Hospital; on S. corner of first step from street level to walk leading to main entrance of hospital; chiseled square (NOTE: Buildings in immediate vicinity have recently settled due to mine caves)	801.70
U.E., Blakely; 2.3 mi SW. of Peckville; at SE. corner of Main Street and Lackawanna Avenue; 15 ft N. of W. side of small brick building of service station; on concrete pavement; chiseled square	773.53
Dickson City; 0.4 mi S. of Blakely; in S. corner of frontyard of Lafayette Grade School No. 3; 41 ft NW. of Main Street; in concrete post; standard tablet stamped "TT 44 T 1932" (Tied by MGS, 1934)	783.007
Reference mark; at front entrance of school; on SW. corner of doorsill; chiseled square	784.19
U.E., Dickson City; at N. entrance of National Bank building; on extreme NE. corner of first step; chiseled square	769.22

Book B 4320

LINE 3 (Cont'd.)Feet

U.E., Scranton; at Marvine Colliery of the D. & H. Coal Co.; 150 ft S. of office building; 20 ft E. of rd.; on concrete manhole block; on S. corner; chiseled square	751.10
Scranton; at frontentrance of North Scranton Junior High School; 13 ft N. of lower step of front door; in granite block; 1.1 ft E. of face of building; standard tablet stamped "TT 43 T 1932"	760.952
U.E., Scranton; Green Ridge Section; on Boulevard Avenue; on NW. corner of first step of entrance to Robert Morris School; chiseled square	740.05
U.E., Scranton; at W. driveway entrance to Pennsylvania State Oral School; at end of S. curbstone; chiseled square	827.83
U.E., Dunmore; at entrance to First National Bank; on NE. corner of sill; chiseled square	993.50
Dunmore; at junction of West Warren and North Blakely Streets; in S. corner of Dunmore Cemetery; in concrete post; standard tablet stamped "TT 45 T 1932"	1000.662

LINE 4.

F. J. McMaugh, 1932; Book B 4320

Montdale, 2.7 mi S. of; 2.0 mi N. and W. of Olyphant on State Highway 347; 232 ft NE. of fork of rd. N.; at Willow Marsh store; on E. side of N.-S. rd.; on E. side of small creek; in boulder; standard tablet stamped "TT 32 T 1932"	1379.199
U.E., Montdale, 2.7 mi E. of; 200 ft SW. of junction of rd. SW.; on large boulder; chiseled square	1396.67
Justus, in SW. part of; 14 ft N. and 46 ft W. from T-rd. NW., leading to Griffin Reservoir; in concrete post; standard tablet stamped "TT 46 T 1932"	1473.094
Reference mark; 125 ft SW. of tablet; in center of E. wall of bridge over drain; chiseled square	1472.13
U.E., Clarks Summit, 2.0 mi E. of; on stone at NW. corner of bridge over outlet of Griffin Reservoir; chiseled square (probably Water Co. BM)	1360.31
Clarks Green; 20 ft S. and 25 ft E. from forks of rd. E. to Montdale with old Philadelphia-Great Bend Turnpike; on property of Dr. Ben F. Evans; in concrete post; standard tablet stamped "TT 36 T 1932" (Reported destroyed, 1967)	1377.135

LINE 4 (Cont'd.)

1932

Feet

Reference mark; 125 ft NW. of tablet; in frontyard of dwelling of Dr. Evans; on stone block; chiseled cross (NOTE: Probably a BM of PDH)	1383.62
U.E., Clarks Summit; at N. boundary; on NW. side of rd.; on S. side of concrete pillar; chiseled square	1225.29
U.E., Clarks Summit, 1.25 mi by rd. NW. of; 300 ft W. of summit of rd.; at W. corner of T-rd. S.; near Three Winds farm; on stone; chiseled square	1375.35
Clarks Summit, 2.5 mi W. and S. of; at junction of U. S. Highways 6 and 11; on rd. to Scranton poor farm; at S. end of Gravel Pond; 9 ft N. and 28 ft W. from T-rd. NE.; 2 ft E. of fence; on hwy. property; in concrete post; standard tablet stamped "TT 37 T 1932"	1211.829
U.E., Clarks Summit, 3.4 mi by rd. W. and S. of; 500 ft N. of power plant of Scranton poor farm; on N. side of U. S. Highway 6; 250 ft E. of junction of State Highway 629; on E. end of concrete culvert; chiseled square	1302.94
U.E., Clarks Summit, 3.6 mi SW. of; at junction of U. S. Highway 6 and State Highway 629; on S. side of V; on top of concrete culvert; chiseled square	1269.72
U.E., Clarks Summit, 3.9 mi by rd. SW. of; 0.35 mi S. of hwy. junction; 250 ft E. of dairy barn; at NW. corner of crossroad; on culvert; chiseled square	1347.66
U.E., Clarks Summit, 4.0 mi by rd. SW. of; 370 ft S. of preceding bench mark; at SE. corner of T-rd. E.; on concrete culvert; chiseled square	1352.72
U.E., Clarks Summit, 4.9 mi by rd. SW. of; at crossroad; signboards read "Scranton 7 mi., Providence 5 mi."; in grass triangle at intersection of rds.; in rock outcrop; chiseled square	1347.37
Clarks Summit, 3.0 mi SW. of; 3.0 mi NE. of Milwaukee; on Newton Turnpike leading over Bald Mountain; 27 ft S. of crossroad; rd. SW. abandoned; on property of Carson Estate; in concrete post; standard tablet stamped "TT 38 T 1932"	1487.460

LINE 4 (Cont'd.)

1932

Feet

Reference mark; 0.4 mi E. of tablet; 75 ft NE. of rd. fork; on NE. side of dirt rd. E. to Scranton; on S. point of ledge; chiseled square	1491.05
U.E., Clarks Summit, 3.4 mi SW. of; 50 ft E. of preceding reference mark; on limestone outcrop; chiseled square	1496.95

LINE 5.

F. J. McMaugh, 1932; B 4320

U.E., Dunmore; Short and South Blakely Streets at Erie RR. underpass; at N. corner of E. abutment; on second course of masonry above grade; chiseled square	918.59
U.E., Scranton; at NE. corner of Harrison Avenue bridge over RR. and Roaring Brook; on retaining wall; chiseled square	863.35
U.E., Scranton; on N. side of Crown Avenue; opposite E. side of Elm Street; on first stone in curbing in front of house; chiseled square	862.00
South Scranton; 185 ft SE. of corner of Meadow Avenue and Brook Street; 230 ft NW. of Erie RR. tracks; in large rock outcrop; standard tablet stamped "TT 50 T 1932"	919.048
U.E., South Scranton; S. entrance to Laurel Line RR. tunnel; at SE. corner; on top of retaining wall; chiseled square	831.55
U.E., Scranton; at Elm Street crossing of Delaware and Hudson RR.; on E. side of track; on SE. corner of concrete base of gate; chiseled square	682.69
U.E., Scranton; junction of South Main and East Luzerne Streets; on NW. corner of first step on S. end and 4 in. from face of building; chiseled square	816.32
U.E., Scranton; at underpass of Luzerne Street under D. L. & W. RR.; on W. end of center supporting pier on W. side; at street level; chiseled square	786.94
Scranton; 125 ft SE. of junction of Jackson Street and South Keyser Avenue; in frontyard of School No. 17; in concrete post; standard tablet stamped "TT 47 T 1932" (possibly disturbed)	855.550

LINE 5 (Cont'd.)

1932

Feet

U.E., Scranton; Keyser Avenue crossing of New York, Ontario and Western Railway; 350 ft S. of end of pavement; on E. side of track; on NW. corner of concrete base of automatic signal block; top of bolt	885.93
U.E., Scranton; North Keyser Avenue overhead bridge of D. L. & W. RR.; at SE. corner of E. abutment; 2.5 ft from W. end and 1 ft from sound end; chiseled square	893.61
U.E., Scranton; at junction of North Keyser Avenue and West Market Street; on SW. corner of base of gasoline pump; chiseled square	828.00

LINE 6.

F. J. McMaugh, 1932; Book B 4320

U.E., Scranton; at junction of North Main Avenue and Gram Street; on first step of entrance to house No. 820; 5 in. from N. end and 2.5 in. from side facing street; chiseled square	855.03
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LINE 7.

R. E. Wells, 1942; Book B 9650

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

LINE 8.

J. P. Nielson, 1942; Book B 9774

Scranton; at city line on S. Keyser Avenue; 240 ft N. of T-rd. W. to Milwaukee; on E. headwall of small masonry bridge over creek; standard tablet stamped "29 JPN 1942 836"	836.487
Reference mark; 240 ft S. of tablet; 20 ft N. and 15 ft W. from junction of Keyser Avenue and T-rd. W.; on top of masonry catch basin; chiseled square	831.42
U.E., Scranton, 1.1 mi S. of, along South Keyser Avenue from city line and junction of rd. to Milwaukee; 36 ft W. of rd.; at large gray frame church; on concrete doorstep; chiseled square	930.72
Scranton, 2.3 mi S. of, along South Keyser Avenue from junction of rd. W. to Milwaukee; at beginning of Old Forge borough; in NW. wingwall of small concrete bridge over wooden flume, and about level with surface of rd.; standard tablet stamped "30 JPN 1942 763"	763.422



1942

LINE 8 (Cont'd.)Feet

Reference mark; 60 ft E. of tablet; 36 ft E. of rd.; on S. retaining wall of flume and about level with rd.; chiseled square	762.12
U.E., Old Forge; at intersection of Main Street and Sibley Avenue; 1 ft N. of fire hydrant; on stone curbing; chiseled square	787.16
U.E., Old Forge; 55 ft SW. of SW. corner of town hall; 25 ft S. and 30 ft E. from intersection of Main and Alicia Streets; on 8-in. concrete curb; chiseled square	727.43
Reference mark; 75 ft NW. of tablet; 21 ft N. of rd.; on top of 6-in. stone sidewalk curbing; chiseled square	620.73
Old Forge; on W. side of Lackawanna River; 36 ft S. of W. end of iron hwy. bridge over river; 32 ft E. of N.-S. rd.; about 5 ft below level of rd.; in large outcrop of rock on river bank; standard tablet stamped "31 JPN 1942 614"	614.293
U.E., Moosic; at crossing of D. & H. RR. and Spring Street; 45 ft S. of S. track; 15 ft E. of center of street; on 6-in. curbing; chiseled square	646.59
U.E., Moosic, about 1.0 mi S. of; 0.17 mi N. of W. signal to tower No. 200.3 which is 3 ft E. of E. track; on top of stone wall about 3 ft higher than level of track; chiseled square	677.51
U.E., Dupont; 1.8 mi S. of Moosic, along D. & H. RR.; directly under overhead bridge on U. S. Highway 11; on SE. corner of plate girder bridge; chiseled square	716.79
Dupont; on State Highway 315; at store building owned by Kalis A. Nasser on Main Street; in NE. end of concrete porch; standard tablet stamped "TT 55 T 1932 735 RESET 1948"	734.506
Reference mark; 300 ft S. of tablet; at junction of State Highways 215 and 315; 15 ft W. of State Highway 315; on 6-in. curb on NW. corner; chiseled square	735.66
Dupont, 5.9 mi SE. of, along State Highway 215; 450 ft S. of small concrete bridge; 85 ft W. of hwy.; in embedded boulder 1 ft above surface of ground; standard tablet stamped "28 JPN 1942 1896"	1896.253
Reference mark; 100 ft E. of tablet; 15 ft E. of hwy.; on masonry catch basin; chiseled square	1899.41

1942

LINE 8 (Cont'd.)Feet

U.E., Dupont, 5.1 mi SE. of, along hwy.; 330 ft N. of junction of rd. W.; 18 ft E. of, and about 1 ft lower than level of hwy.; on headwall of masonry culvert; chiseled square	1918.13
U.E., Dupont, 4.5 mi E. of, along hwy.; 360 ft S. of rd. NE.; 40 ft W. of hwy.; about 1 ft above level of ground; on embedded boulder; chiseled square	1766.63
Dupont, 4.0 mi SE. of; 0.7 mi S. of old Sheep Ranch; 0.11 mi N. of fork of rd. on ridge; 50 ft W. of N. and S. ridge rd.; on property of Mrs. Winters; in clearing at angle in rd. forks; in top of boulder; standard tablet stamped "TT 56 T 1932 1668"	1668.082
Reference mark; 40 ft E. of tablet; 20 ft W. of rd.; on large boulder; chiseled square	1668.62
U.E., Dupont, 4.0 mi SE. of, along State Highway 215, thence 0.9 mi N. along second-class woods rd. to old Sheep Ranch; 75 ft N. and 60 ft E. from NE. corner of abandoned basement; 6 ft W. of, and level with rd.; on large area of exposed bedrock; chiseled square	1595.75
Dupont, 5.5 mi SE. of, on Liby Road; 3.9 mi SE. of crossing of Liby Road and branch of Erie RR.; 0.17 mi NW. of crossing of Monument Creek; 85 ft N. of fork of rd. S. to old Sheep Ranch; in rock outcrop flush with ground; standard tablet stamped "TT 57 T 1932 1410"	1409.802
Reference mark; 50 ft S. of tablet; 40 ft E. of rd.; on large boulder flush with ground; chiseled square	1411.39
U.E., Moosic, 3.3 mi SE. of, along State Highway 502, thence 1.0 mi S. along Monument Creek to intersection of 36-in. water main; 225 ft E. of, and about 50 ft higher than level of creek; 6 ft N. of manhole; on large boulder; chiseled square	1131.75

LINE 9.

E. B. Benson, 1942; Book B 9774

U.E., Mountain View Church and School, 1.0 mi SE. and E. of, along tarvia rd.; 60 ft W. of junction of rd. SW. to Taylor; on NW. masonry wall of catch basin; chiseled square	1460.84
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LINE 9 (Cont'd.)

1942

Feet

U.E., Scranton, 2.0 mi S. of, along South Keyser Avenue, thence  
0.8 mi NW. along dirt rd.; 10 ft N. of rd.; on W. end of concrete  
headwall to large culvert; chiseled square 1093.82

LINE 10.

J. P. Nielson, 1942; Book B 9774

"B 56 1934" (NGS) 709.920

U.E., Scranton; at intersection of Yard Avenue and Market Street,  
U. S. Highways 611 and 11; 20 ft N. and 16 ft E. from intersection;  
on top of stone catch basin; level with sidewalk; chiseled  
square 785.40

U.E., Scranton; at NW. entrance to traffic rotary of U. S. Highways  
6, 11 and 611 from Clarks Summit; 40 ft NE. of center; about  
3 ft higher than level of hwy.; on top of conglomerate boulder;  
flush with ground; chiseled square 904.68

Scranton; about 0.7 mi NW. of traffic rotary on U. S. Highways 6  
and 11; in SE. edge of village of South Chinchilla; 90 ft SE. of  
T-rd. NE.; 27 ft NE. of rd.; about 3 ft higher than level of rd.;  
in rock ledge; standard tablet stamped "32 JPN 1942 997" 997.107

Reference mark; 150 ft NW. of tablet; 27 ft NE. of rd.; on concrete  
catch basin; chiseled square 993.50

U.E., Scranton; 1.8 mi NW. of traffic rotary on U. S. Highways  
6 and 11; in village of Chinchilla; 165 ft NW. of junction of  
rd. SW.; 27 ft NE. of rd.; at concrete bridge over creek near  
Griffin Intake; on NE. corner of sidewalk; chiseled square 1066.56

U.E., Chinchilla, 1.0 mi NW. of, along U. S. Highways 6 and 11; about  
0.7 mi SE. of intersection of hways. and Grove Street in Clarks  
Summit; on headwall of small concrete culvert; about 0.5 ft  
higher than level of ground; chiseled square 1131.59

Clarks Summit; in frontyard of Clarks Summit-Clarks Green High School;  
75 ft SW. of boys entrance; 36 ft SE. of center of Grove Street;  
in concrete curbing around 30-in. tree; standard tablet stamped  
"33 JPN 1942 1302" 1302.381

Reference mark; 340 ft SW. of tablet; 24 ft N. of intersection of  
Grove Street, and U. S. Highways 6 and 11; on top of stone curbing;  
chiseled square 1285.78

LINE 10 (Cont'd.)

1942

Feet

U.E., Clarks Summit, at N. limits of; on NW. side of rd.; on S. side of concrete pillar; chiseled square	1206.27
U.E., Clarks Summit, 1.2 mi NW. of, by rd.; 300 ft W. of summit of rd.; 170 ft W. of driveway to Three Winds Farm; 9 ft S. and 36 ft E. from junction of T-rd. S.; on top of stone catch basin about level with rd.; chiseled square	1374.50
<u>LINE 11.</u>	
J. P. Nielson, 1942; Book B 9774	
"W 58 1934" (NGS)	1426.273
U.E., Elmhurst, 1.0 mi SE. of, along State Highway 590; at junction of T-rd. N.; 125 ft W. of intersection of T-rd. S. to Aberdeen; 15 ft N. of hwy.; on top of masonry catch basin; chiseled square	1454.23
U.E., Elmhurst, 1.9 mi SE. of, along hwy.; 115 ft E. of intersection of T-rd. S.; directly N. of reservoir dam of Scranton Water and Gas Co.; 16 ft N. of center of rd.; on top of concrete culvert headwall; chiseled square	1497.93
Elmhurst, 3.0 mi E. and N. of; on N. and S. rd.; 22 ft N. and 23 ft W. from T-rd. N. leading to Mt. Cobb Road; in corner of field owned by Joseph Noruillas; in concrete post; standard tablet stamped "TT 2 T 1932 1529"	1529.679
Reference mark; 60 ft E. of tablet; 15 ft N. and 30 ft E. from junction of T-rd. N.; on N. masonry headwall of culvert; chiseled square	1529.54
U.E., Elmhurst, 3.0 mi E. and N. of, along hwy., thence 1.0 mi N. along second-class rd.; 100 ft N. of S. edge of large open clearing on W. side of rd.; 12 ft E. of center of rd.; in root on NW. side of 10-in. maple tree; copper nail and washer	1746.46
Elmhurst, 3.0 mi E. and N. of, along hwy., thence 2.0 mi N. along second-class rd. to intersection of State Highway 348; 0.6 mi SW. of Mt. Cobb; 480 ft N. of junction of State Highways 248 and 348; 33 ft E. of center of State Highway 248; on boulder about level with hwy.; standard tablet stamped "34 JPN 1942 1721"	1721.056
Reference mark; 180 ft NW. of tablet; 45 ft E. of center of hwy.; on large boulder; chiseled square	1718.78

1942

LINE 12.Feet

Spur line leveled twice by J. P. Nielson, 1942; Book B 9774	
U.E., Mt. Cobb, 0.6 mi W. of, along State Highway 348, thence 0.7 mi N. along State Highway 248; 20 ft E. of center of hwy.; on top of catch basin; chiseled square	1953.45
Moosic Lake; 420 ft S. of outlet; 24 ft S. and 19 ft W. from actual intersection of rd. junction at former toll gate to lake; in concrete post; standard tablet stamped "TT 1 T 1932 2010"	2010.555
<u>LINE 13.</u>	
J. P. Nielson, 1942; Book B 9774	
"V 55 1934" (NGS)	622.945
U.E., Moosic; 15 ft NE. and 18 ft NW. from intersection of Spring Street and U. S. Highway 11; on 6-in. concrete curb; chiseled square	636.088
U.E., Moosic, about 1.0 mi SE. of, along State Highway 502 at underpass under Erie and Wyoming Valley RR.; 15 ft NE. of rd.; on low step of SE. masonry wingwall; chiseled square	734.87
Moosic, 1.8 mi SE. of, along State Highway 502 up Spring Brook; 20 ft S. and 5 ft E. from rd. tangents NW. and SW.; 0.22 mi SE. of Lackawanna-Luzerne County line marker; 10 ft N. and 35 ft E. from N. abutment of abandoned bridge over Spring Brook; 12 ft S. and 8 ft W. from iron gate across woods rd. SE.; 3 ft inside fence; on E. side of "Spring Brook"; in concrete post; standard tablet stamped "TT 51 T 1932 773"	773.316
Reference mark; 210 ft SW. of tablet; on top of S. end of E. railing of concrete bridge over Spring Brook; chiseled square	777.17
Moosic, 3.3 mi SE. of, along Highway 502; 3.5 ft W. of Lackawanna-Luzerne County line marker; at small concrete bridge over Trout Brook; in top of E. end of N. headwall; standard tablet stamped "21 JPN 1942 890"	890.335
U.E., Moosic, 4.3 mi SE. of; 24 ft S. of State Highway 502; on W. one of two catch basins; chiseled square	1128.18
Moosic, 5.3 mi SE. of, along State Highway 502; 400 ft W. of junction of rd. N. to Nesbitt Dam; 50 ft S. of hwy.; about 5 ft higher than level of hwy.; on embedded boulder projecting about 0.2 ft above ground; standard tablet stamped "22 JPN 1942 1208"	1208.241

1942

LINE 13 (Cont'd.)Feet

Reference mark; 400 ft E. of tablet; 12 ft S. of hwy.; directly opposite rd. N. to dam; on top of concrete catch basin; chiseled square	1215.69
U.E., Moosic, 6.3 mi SE. of, along State Highway 502; 15 ft S. of hwy.; on third culvert E. of large masonry wall; on S. headwall; chiseled square	1182.77
Moosic, 7.3 mi SE. of, along State Highway 502; 0.6 mi SE. of bridge over Spring Brook; 0.11 mi E. of junction of rd. SE.; 43 ft NE. of hwy.; about 5 ft higher than rd.; in top of large boulder projecting about 1.5 ft. above ground; standard tablet stamped "23 JPN 1942 1339"	1338.697
Reference mark; 60 ft SW. of tablet; 21 ft N. of rd.; on masonry catch basin; chiseled square	1326.73
U.E., Moosic, 8.0 mi SE. of, along State Highway 502; 30 ft N. of junction of hwy. with rd. NE.; on top of large boulder; chiseled square	1565.10
U.E., Moosic, 8.0 mi SE. of, along hwy., thence 0.8 mi NE. along second-class rd.; 12 ft S. and 30 ft W. from rd. forks; on small boulder beside rd. NE.; chiseled square	1428.67
Moosic, 7.9 mi SE. of, along State Highway 502 to junction of township rd. 312, thence 0.8 mi N. to junction of township rd. 321, formerly State Highway 502, thence 0.2 mi NW. to junction of township rd. 319 (abandoned Moosic-Moscow Road); 250 ft SE. of rd. junction along S. bank of Rattlesnake Creek; 30 ft N. of township rd. 319; in sandstone boulder; standard tablet stamped "TT 53 T 1932 1313"	1313.400
Reference mark; 50 ft S. of tablet; 18 ft S. of rd.; on small boulder about 1 ft higher than rd.; chiseled square	1319.44
Moscow, 3.2 mi W. of, along State Highway 690; 0.3 mi E. of Maple Lake School; 160 ft NE. of Maple Lake Church; 80 ft N. of hwy.; on property of Joseph Papiernick; in boulder; standard tablet stamped "TT 54 T 1932 1730"	1729.612
Reference mark; 21 ft SE. of tablet; 66 ft N. of hwy.; on large boulder; chiseled square	1729.94

LINE 13 (Cont'd.)

1942

Feet

U.E., Moscow, 2.1 mi W. of, along hwy.; 45 ft W. of driveway to farmhouse on N. side of rd. near apple orchard; 12 ft S. of rd.; on tip of masonry catch basin; chiseled square	1752.50
U.E., Moscow, 1.1 mi W. of, along hwy.; 66 ft W. of driveway to farm on N. side of rd.; 15 ft N. of rd. on masonry catch basin; chiseled square	1719.21
Moscow; about 300 ft SE. of D. L. & W. RR. station; at 30-ft reinforced concrete span over State Highway 690; in NE. corner, about 6 ft NE. of westbound track; about 6 in. higher than top of rail; standard tablet stamped "4 R 1927"	1560.089
"X 58 1934" (NGS)	1561.982

LINE 14.

J. P. Nielson, 1942; Book B 9774

U.E., Scranton; on State Highway 307 at Erie and Wyoming Valley RR. and Laurel Line overhead plate girder bridges; 150 ft along hwy. SE. of E. & W. V. RR. bridge; 18 ft NE. of hwy.; on small concrete culvert headwall about level with pavement; chiseled square	1000.41
Scranton; about 1.0 mi SE. of E. & W. V. RR. overhead bridge over State Highway 307; 420 ft W. of intersection of hwy. and rd. to Scranton Spring Brook Water Co. reservoir; 40 ft NE. of rd.; in top of large rock outcrop about 4 ft higher than level of rd.; standard tablet stamped "24 JPN 1942 1318"	1318.169
Reference mark; 18 ft W. of tablet; 30 ft NE. of rd.; about 4 ft higher than level of rd.; on top of outcrop; chiseled square	1317.87
U.E., Scranton; 2.0 mi SE. of overhead crossing of E. & W. V. RR. over State Highway 307; NW. of concrete dam of Scranton Spring Brook Water Co.; 24 ft N. of rd.; on top of masonry catch basin; chiseled square	1402.53
Scranton; 3.1 mi SE. of overhead crossing of E. & W. V. RR. over State Highway 307; about 0.5 mi along hwy. E. of entrance to reservoir; 32 ft SW. of hwy.; in SW. wingwall of small concrete bridge; standard tablet stamped "25 JPN 1942 1434"	1423.972
U.E., Scranton; 4.2 mi SE. of overhead crossing of E. & W. V. RR. over State Highway 307; 36 ft SE. of hwy.; on top of SW. headwall of masonry culvert over small brook; chiseled square	1543.87

1942

LINE 14 (Cont'd.)Feet

- Scranton; 5.2 mi SE. of overhead crossing of E. & W. V. RR. over State Highway 307; 150 ft NW. of junction of hwy. and rd. S.; 36 ft SE. of hwy.; directly opposite two-story farmhouse; in SW. headwall of small masonry bridge over creek; standard tablet stamped "26 JPN 1942 1926" 1626.572
- Reference mark; 140 ft SE. of tablet; 36 ft SW. of hwy.; on masonry catch basin; chiseled square 1632.54
- U.E., Scranton, 5.2 mi SE. of, along State Highway 307 from E. & W. V. RR. overhead bridge, thence 1.1 mi S. along rd.; in root on E. side of 16-in. maple tree; copper nail and washer 1636.44

LINE 15.

J. P. Nielson, 1942; Book B 9774

- U.E., South Scranton; intersection of Meadow Avenue and Brook Street, 1.0 mi SW. of, along Erie RR.; on large outcrop; 12 ft W. of W. rail and about level with track; chiseled square 919.68
- Moosic, 3.6 mi NE. of; 0.65 ft NE. of milepost 10; 0.2 mi W. of crossing of Stafford Meadow Brook; at exposed rock outcrop on S. side of track; about 20 ft higher than roadbed; in rock outcrop; standard tablet stamped "TT 49 T 1932" 885.488
- Reference mark; 25 ft NE. of tablet; about 10 ft lower than tablet; on same outcrop; chiseled square 876.12
- U.E., Moosic, 2.5 mi NE. of; 0.41 mi SW. of milepost 10; 160 ft SW. of powerline crossing; 10 ft SE. of E. rail and about level with track; on rock outcrop; chiseled square 819.84

LINE 16.

J. P. Nielson, 1942; Book B 9774

- U.E., Moscow, 0.8 mi S. of, along State Highway 611; 69 ft SE. of SE. corner of two-story frame house; 24 ft S. and 15 ft W. from intersection of driveway W. to farm; on headwall of concrete culvert; chiseled square 1696.68



	1942	<u>Feet</u>
<u>LINE 16 (Cont'd.)</u>		
U.E., Moscow, 1.6 mi S. of, along State Highway 611; 0.3 mi N. of junction of State Highway 502 at Daleville; 470 ft S. of small concrete dam; 15 ft W. of, and about 1 ft lower than level of hwy.; on headwall of concrete culvert; chiseled square		1750.00
Daleville; 0.5 mi S. of hwy. junction; at summit of hill; 145 ft NE. of NE. corner of cement block house; 30 ft E. of rd.; in large flat outcrop; standard tablet stamped "35 JPN 1942 1927"		1927.456
Reference mark; 55 ft W. of tablet; 24 ft W. of rd.; on large outcrop; chiseled square		1926.99
U.E., Daleville; 1.3 mi S. of hwy. junction; 0.10 mi NE. of junction of State Highways 307 and 611; 40 ft S. of stone steps to frame house; 12 ft SE. of hwy.; on concrete headwall of culvert; chiseled square		1874.18
Daleville, 2.2 mi S. of; 75 ft N. and 120 ft E. from junction of State Highways 611 and 307 and rd. E.; in embedded boulder; standard tablet stamped "36 JPN 1942 1918"		1918.402
Reference mark; 90 ft SW. of tablet; 30 ft E. of hwy.; on masonry catch basin; chiseled square		1913.09
U.E., Daleville, 3.0 mi S. of; 200 ft S. of driveway to two-story frame house on E. side of hwy.; 44 ft E. of hwy.; on masonry headwall of culvert; chiseled square		1866.71
Daleville, 3.8 mi S. of; 132 ft S. and 120 ft W. from crossroad; in top of boulder projecting 1 ft above ground; standard tablet stamped "37 JPN 1942 1819"		1819.082
Reference mark; 100 ft N. of tablet; 25 ft S. of rd. to Clifton; on top of boulder; chiseled square		1821.87

LINE 17.

J. P. Nielson, 1942; Book B 9774

U.E., Moosic, 8.5 mi SE. of; 255 ft E. of junction of State Highways 502 and 690; 21 ft S. of hwy.; on headwall of concrete culvert; chiseled square		1547.23
U.E., Moosic, 8.5 mi SE. of, along hwy., thence 1.0 mi SE. along dirt rd.; 90 ft E. of bridge over creek; 15 ft S. of rd.; on top of small boulder; chiseled square		1484.21

LINE 17 (Cont'd.)

1942

Feet

Moosic, 8.5 mi SE. of, along hwy., thence 1.6 mi SE. along dirt rd.; 36 ft S. and 15 ft E. from junction of rd. S.; on large boulder in stone fence; standard tablet stamped "38 JPN 1942 1592"	1592.329
Reference mark; 50 ft S. of tablet; 9 ft E. of rd.; on top of boulder; chiseled square	1589.87
U.E., Moosic, 8.5 mi SE. of, along hwy., thence 2.6 mi SE. along second-class rd.; 0.3 mi S. of Lincoln Rod and Gun Club; in trail; 12 ft W. of rd.; on top of boulder; chiseled square	1506.28
U.E., Moosic, 8.5 mi SE. of, along hwy., thence 3.6 mi SE. along dirt rd.; 55 ft S. of junction of rd. and abandoned RR. bed.; on small boulder; chiseled square	1678.09
Moosic, 8.5 mi SE. of, along hwy., thence 4.2 mi SE. along dirt rd. and trail; 75 ft SE. and 60 ft NE. of crossing of trail and small brook; in embedded boulder projecting about 0.5 ft above ground; standard tablet stamped "39 JPN 1942 1813"	1812.856
Reference mark; 27 ft S. of tablet; on small boulder; chiseled square	1814.46

LINE 18.

H. L. Zohn, 1964; Book AV 1302

12	13	4.37	Clifton Beach, 21 ft N. and 22 ft E. of, and 0.8 ft higher than center of bridge over creek; in NE. wingwall; PDH standard disk stamped "67 HLZ 1964 1807"	1807.322
12	15	5.61	Daleville; 2.8 mi S. of Daleville Methodist Church, along U. S. Highway 611; 1.2 mi S. of junction (U. S. Highway 611 and State Highway 307); 10 ft SE. of power pole; 40 ft E., and 1.2 ft higher than center of 1 ft rock culvert under hwy.; in base of Sinclair Gas sign; standard tablet stamped "68 HLZ 1964 1883"	1882.782
12	18	6.42	Daleville; 2.0 mi S. of Daleville Methodist Church, along U. S. Highway 611; 0.4 mi S. of junction of (U. S. Highway 611 and State Highway 307); 26 ft E. of, and 1 ft higher than center of 1 ft rock culvert under hwy.; in N. end of E. rail; standard tablet stamped "69 HLZ 1964 1894"	1893.330

LINE 18 (Cont'd.)

1964

Feet

12	19	6.86	"T 281 1961" (NGS)	1880.328
12	21	7.67	Daleville; 0.7 mi S. of Daleville Methodist Church, along U. S. Highway 611; 2 ft SW. of power pole; 35 ft W. of, and 2 ft lower than junction of T-rd. NE. leading to Jubilee; in concrete post; standard tablet stamped "70 HLZ 1964 1851"	1850.764