

THIRD-ORDER HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

41-075-31
SCRANTON QUADRANGLE
166 PENNSYLVANIA
N4115-07530/15
DIAGRAM NK 18-8
SCRANTON

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Lackawanna and Luzerne Counties

Final adjustment of 1974

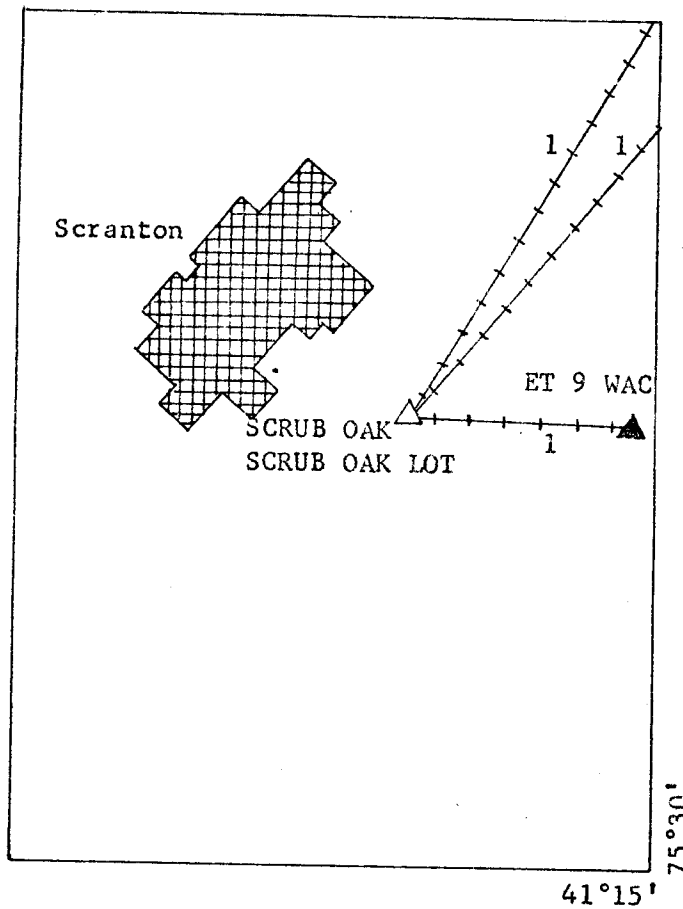
Edition of 1/23/75

PR: GWK/sws

Plane coordinates are based on
Lambert projection, Pennsylvania,
North Zone

Only the permanent marks are
listed for lines run more
than 25 years before edition
date and are not shown on
sketch

DUNDAFF
(190)



PITTSTON
(167)

ARIEL
(165)

X = 2,549,920
Y = 401,054

STODDARTSVILLE
(141)

DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

INDEX OF PERMANENT MARKS

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<u>NGS</u>		

STATION	DESCRIPTION	LATITUDE			LONGITUDE		
PLANE COORDINATES, FEET		°	'	"	°	'	"

Obsolete control established more than 25 years prior to edition date. To be used only to locate permanent marks in the field.

By Oscar Jones, 1926; Book C7815

Daleville, 2.0 mi S. of; 30 ft E. of State Highway 168; between telephone poles 4425 and 4426; in rock outcrop; standard tablet stamped "TT STA NO 1 J 1926"

X = 2,616,474 Y = 412,215 41 16 34.14 75 30 25.21

Moscow, 0.2 mi S. of overhead crossing of Delaware, Lackawanna & Western RR.; 40 ft W. of hwy.; 40 ft S. of concrete steps to St. Catherine Church; in rock outcrop; standard tablet stamped "TT STA NO 2 J 1926"

X = 2,613,476 Y = 433,201 41 20 02.19 75 30 57.38

By C. A. Turner, 1932; Book D354, D356, D357, D401, D403

Rendham, 1.8 mi N. of, along mountain rd. to Milwaukee; 800 ft W. of Glen-Aldon Colliery; 63 ft N. of New York, Ontario & Western RR. crossing; on RR. property in concrete post; standard tablet stamped "TT 40 T 1932"

X = 2,553,303 Y = 454,238 41 23 44.58 75 43 59.52

Taylor, in front yard of Taylor High School; 74 ft S. and 3 ft W. from U.S. Highway 11, directly opposite front walk to school building; in concrete post; standard tablet stamped "TT 41 T 1932"

X = 2,558,142 Y = 448,534 41 22 47.12 75 42 57.80

Taylor, near West Scranton City line; on property of Glen-Aldon Coal Co.; 380 ft SE. from junction of Loomis and South Main Avenues; in line with Loomis Avenue; in large rock outcrop overlooking South Scranton; standard tablet stamped "TT 42 T 1932"

X = 2,565,471 Y = 454,016 41 23 39.55 75 41 19.97

North Scranton, at front entrance to North Scranton Junior High School; at front door; 13 ft N. of lower step; in top of granite block; 1 ft E. of face of building; standard tablet stamped "TT 43 T 1932"

X = 2,572,432 Y = 468,643 41 26 02.39 75 39 44.05

Dickson City, in S. corner of front yard of Lafayette Grade School 3; 41 ft NW. of center of Main Street; in concrete post; standard tablet stamped "TT 44 T 1932"

X = 2,585,419 Y = 481,252 41 28 03.80 75 36 49.51

STATION	DESCRIPTION	LATITUDE			LONGITUDE		
PLANE COORDINATES, FEET		°	'	"	°	'	"

OBSOLETE MARKS (Cont'd.)

Justus, at SW. end of; 14 ft N. and 46 ft W. of junction of T-rd. NW. to Griffin Reservoir; in concrete post; standard tablet stamped "TT 46 T 1932"

X = 2,577,367	Y = 492,384	41 29 55.71	75 38 31.69
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"TT 36 T 1932" (Destroyed, 1967)

X = 2,562,861	Y = 491,236	41 29 47.81	75 41 42.63
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Scranton, in front yard of public school 17; 125 ft SE. of junction of Jackson Street and South Keyser Avenue; in concrete post; standard tablet stamped "TT 47 T 1932" Note: In 1939 tablet reported defaced but not to be moved.

X = 2,562,489	Y = 463,855	41 25 17.44	75 41 56.04
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Moscow, 25.0 ft S. of D.L. & W. RR. station; in NE. corner of wall of RR. underpass; standard tablet stamped "R 4 1927"

X = 2,612,864	Y = 433,991	41 20 10.15	75 31 05.13
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Old Forge, opposite Cinderella Hotel and Restaurant; 95 ft S. of W. end of iron bridge over Lackawanna River; 25 ft E. of center of rd.; in top of large rock outcrop; standard tablet stamped "TT 48 T 1932"

X = 2,550,531	Y = 440,435	41 21 28.87	75 44 40.07
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Moosic, 3.6 mi NE. of, along highways and Erie RR.; 0.7 mi E. of milepost 10; 0.2 mi W. of Stafford Meadow Brook crossing; at exposed rock outcrop on S. side of track; about 20 ft above RR. bed; in rock outcrop; standard tablet stamped "TT 49 T 1932"

X = 2,568,007	Y = 443,448	41 21 54.57	75 40 50.02
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South Scranton, 185 ft SE. of corner of Meadow Avenue and Brook Street; 230 ft NW. of Erie RR. track; in large rock outcrop; standard tablet stamped "TT 50 T 1932"

X = 2,573,273	Y = 451,309	41 23 10.97	75 39 38.49
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Moosic, 1.8 mi SE. of, along State Highway 502; 0.2 mi SE. of Lackawanna-Luzerne County line marker; 20 ft S. and 5 ft E. of rd. tangents NW. and SW.; 10 ft N. and 35 ft E. of N. abutment of abandoned bridge over Spring Brook; 12 ft S. and 8 ft W. of center of iron gate across woods rd. SE.; 3 ft inside fenceline; on E. side of Spring Brook; in concrete post; standard tablet stamped "TT 51 T 1932"

X = 2,561,250	Y = 434,338	41 20 26.17	75 42 21.44
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STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

Moosic, 5.4 mi SE. of, along State Highway 502, between dams 1 and 2 of Scranton Spring Brook Water Supply Co.; 0.4 mi NW. of dam 2; at hwy. station 751; 50 ft E. of center of hwy.; in top of rock outcrop; standard tablet stamped "TT 52 T 1932"

X = 2,574,291 Y = 431,058 41 19 50.69 75 39 31.56

Moscow, 3.2 mi W. of, along Moscow-Moosic rd.; 0.3 mi E. of Maple Lake School; 160 ft NE. of Maple Lake Church; on property of Joseph Papiernik; 80 ft N. of center of rd.; in boulder; standard tablet stamped "TT 54 T 1932"

X = 2,599,195 Y = 430,151 41 19 35.66 75 34 05.53

Dupont, on Route 315 (Main Street); in NE. end of concrete porch of store building owned by Kalil A. Nasser; standard tablet stamped "TT 55 T 1932"

POSITION LOST

Dupont, 4 mi SE. of; 0.7 mi S. of Old Sheep Ranch; 600 ft N. of rd. fork on ridge; 50 ft W. of N. and S. ridge rd.; on property of Mrs. Winters; in clearing at angle in rd. fork; in boulder; standard tablet stamped "TT 56 T 1932"

X = 2,562,298 Y = 415,139 41 17 16.28 75 42 13.65

Dupont, 5.5 mi SE. of; on Liby rd.; 3.9 mi SE. of Liby rd. crossing branch of Erie RR.; 900 ft NW. of Monument Creek crossing; 85 ft N. of rd. S. to Old Sheep Ranch; in top of rock outcrop flush with ground; standard tablet stamped "TT 57 T 1932"

X = 2,564,545 Y = 422,208 41 18 25.58 75 41 42.03

Moosic Lake, 420 ft S. of outlet; 24 ft S. and 19 ft W. from centerline intersection at rd. junction at tollgate to Moosic Lake; in concrete post; standard tablet stamped "TT 1 T 1932 2010"

X = 2,613,140 Y = 467,280 41 25 38.89 75 30 50.24

Elmhurst, 3 mi NE. of; on Route 590 (N. and S. Turnpike); 22 ft N. and 23 ft W. of junction of T-rd. N. to Mount Cobb rd.; in corner of field owned by Joseph Norvilas; in concrete post; standard tablet stamped "TT 2 T 1932"

X = 2,616,029 Y = 451,222 41 22 59.54 75 30 17.80

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 Highway 611; standard tablet stamped "TT 3 T 1932"

X = 2,605,121 Y = 449,016 41 22 40.52 75 32 41.58

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET+	° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

Elmhurst, 2.2 mi NW. of; 4.6 mi SE. of Dunmore; in big horseshoe bend in U.S. Highway 611; 140 ft SW. from front door of service station; 225 ft NW. from 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"

X = 2,599,146 Y = 459,020 41 24 20.83 75 33 56.63

Dunmore, 1.4 mi SE. of, along U.S. Highway 611; 165 ft SE. from D. L. & W. RR. crossing; 55 ft S. of center of hwy.; 3.5 ft W. of fence on RR. property; in concrete post; standard tablet stamped "TT 5 T 1932"

X = 2,588,092 Y = 462,064 41 24 53.62 75 36 20.65

Dunmore, 4.1 mi NE. of; 2.7 mi N. of D. L. & W. RR. crossing of U.S. Highway 611; 1.9 mi SW. of Jessup, along D. L. & W. RR.; 750 ft NE. of Pittston Coal Co. breaker; 100 ft SE. of track; in large rock; standard tablet stamped "TT 6 T 1932"

X = 2,593,016 Y = 474,940 41 26 59.60 75 35 11.83

Riverside, in front yard of Riverside public school 8; in S. corner of schoolyard; 42 ft N. of center of U.S. Highway 6; in concrete post; standard tablet stamped "TT 7 T 1932"

X = 2,600,999 Y = 488,878 41 29 15.28 75 33 22.39

Montdale, 2.7 mi S. of; 2 mi NW. of Olyphant; on State Highway 347; 232 ft NE. from junction of rd. N. to Montdale; near William Marsh Cash Store on E. side of N.-S. rd.; on E. side of small creek; in boulder; standard tablet stamped "TT 32 T 1932"

X = 2,582,954 Y = 491,112 41 29 41.79 75 37 18.70

Dupont, 5.9 mi SE. of; 2.7 mi SE. of Old Sheep Ranch; on old ridge rd. to Meadow Run Ponds; 350 ft SE. of stone arch bridge over small stream; on W. side of rd.; 37 ft S. of center of rd.; in large boulder; standard tablet stamped "TT 73 T 1932"

X = 2,566,596 Y = 405,946 41 15 44.46 75 41 20.23

Dunmore, at S. corner of Dunmore Cemetery; at junction of West Warren and Blakley Streets; in concrete post; standard tablet stamped "TT 45 T 1932"

X = 2,581,877 Y = 465,400 41 25 28.09 75 37 41.12

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

North Scranton, 2.6 mi NW. of junction of North Main Avenue and West Market Street; 2.8 mi SE. of Clarks Summit; on U.S. Highways 6 and 11; at South Chinchilla; 300 ft NW. of power plant; 20 ft N. and 36 ft E. from fork of rd. NE.; 20 ft N. of streetcar track; in concrete post; standard tablet stamped "TT 35 T 1932"

X = 2,569,933 Y = 480,786 41 28 02.92 75 40 13.01

Clarks Summit, 2.5 mi SW. of junction of U.S. Highways 6 and 11; on Poor Farm rd.; at S. end of Gravel Pond; 9 ft N. and 28 ft W. of junction of T-rd. NE. at Abington-Newton Township line; 2 ft E. of fence on hwy. property; in concrete post; standard tablet stamped "TT 37 T 1932"

X = 2,549,099 Y = 488,811 41 29 27.05 75 44 44.16

Clarks Summit, 3 mi SW. of; 3 mi NE. of Milwaukee; on Newton turnpike over Bald Mountain; 27 ft S. of crossroads (rd. SW. abandoned); on property of Corson estate; in concrete post; standard tablet stamped "TT 38 T 1932"

X = 2,553,894 Y = 477,170 41 27 30.96 75 43 44.74

Hudson, 7 mi E. of; 1.2 mi E. of Bald Mountain School; directly N. of Bald Mountain; 175 ft E. of summer home of Dr. J. F. Mayoock; 65 ft S. of rd.; in boulder; standard tablet stamped "TT 71 T 1932"

X = 2,550,058 Y = 402,547 41 15 14.72 75 44 57.75

Moosic, 7.9 mi SE. of, along State Highway 502 to junction of Township Road 312, thence 0.8 mi N. to junction of Township Road 321 (formerly State Highway 502), thence 0.2 mi NW. to junction of Township Road 319 (abandoned Moosic-Moscow Road); 250 ft SE. of rd. junction, along S. bank of Rattlesnake Creek; 30 ft N. of Township Road 319; in sandstone boulder; standard tablet stamped "TT 53 T 1932 1313"

X = 2,585,675 Y = 424,780 41 18 45.94 75 37 04.41

Moosic, 7.2 mi SE., along State Highway 502 from junction of U.S. Highway 11; 0.6 mi SE. of bridge over Spring Brook; 570 ft E. of junction of Township Road 310 SE.; 43 ft NE. of rd.; about 5 ft higher than rd.; in top of S. end of large boulder projecting about 1.5 ft above ground; standard tablet stamped "23 JPN 1942 1339"

X = 2,581,074 Y = 421,674 41 18 16.37 75 38 05.68

Moosic, 8.3 mi SE. of, along hwy., rds., and trail to chlorination plant of Scranton Spring Brook Water Supply Co., thence along W. side of Spring Brook Creek; 8 ft S. and 11 ft E. of SE. corner of plant (single story white concrete block building); in top near N. end of large boulder; standard tablet stamped "TT 1 H 1943"

STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE ° ' "	LONGITUDE ° ' "
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OBSOLETE MARKS (Cont'd.)

Moosic, 8.3 mi along hwy., rds., and trail SE. to chlorination plant of Scranton Spring Brook Water Supply Co., thence 1 mi along dim woods trail up N. side of Big Panther Creek and 1 mi along W. side of branch of Spring Brook S.; about 0.2 mi from point where foot trail enters timber at S. edge of abandoned field; 3 ft S. and 21 ft W. of 8-in. oak tree with triangular blaze; 4 ft N. and 19 ft E. of leaning 10-in. oak tree with triangular blaze; in center of foot trail; in top near center of large boulder; standard tablet stamped "TT 2 H 1943"

X = 2,583,452 Y = 411,421 41 16 34.52 75 37 37.82

Scranton, 6.8 mi SE. of post office, along State Highway 307 (4-lane); 78 ft N. and 98 ft W. of junction of Township Road 316 (dirt) S.; 11 ft N. and 57 ft W. from center of hwy. over 10-ft stone masonry arch over small stream; 36.7 ft SW. of and at right angles to center of hwy., opposite two-story farmhouse; in top of N. end of W. headwall of small masonry bridge over stream; standard tablet stamped "26 JPN 1942 1626"

X = 2,593,411 Y = 437,172 41 20 46.45 75 35 19.02

Scranton, 4.6 mi SE. of post office, along State Highway 307; 3.1 mi SE. of underpass under Erie & Wyoming Valley and Laurel Line RR.'s at Scranton; about 0.7 mi SE. of crossing of Township Road 323; 0.5 mi E. of entrance to Scranton Spring Brook Water Supply Co. reservoir; 0.2 mi SE. of rd. NE. to Scrub Oak fire tower; 20 ft N. and 54.5 ft W. from center of 30-by 5-ft concrete bridge over Stafford Meadow Brook; 40 ft N. and 109 ft W. from Pennsylvania Department of Highways bronze disk in top of W. end of SE. wingwall; 34.6 ft SW. of, and normal to center of hwy.; in top of E. end of NW. wingwall; standard tablet stamped "25 JPN 1942 1424"

X = 2,587,606 Y = 446,798 41 22 22.95 75 36 31.98

Scranton, 4.2 mi SE. of post office, along State Highway 307 (4-lane); 2.6 mi SE. of underpasses under Erie & Wyoming Valley and Laurel Line RR.'s; 0.2 mi SE. of crossing of Township Road 323; 37 ft N. and 11.5 ft E. from center of bridge mentioned in station 31; 34.6 ft NE. of and normal to center of hwy.; in top of S. end of NE. wingwall; PDH standard disk not stamped

X = 2,586,063 Y = 448,601 41 22 41.14 75 36 51.63

Scranton, 2.5 mi SE. of post office, along State Highway 307 (3-lane); 1.0 mi SE. of underpasses under Erie & Wyoming Valley and Laurel Line RR.'s; 133 ft N. and 408 ft W. from junction of rd. NE. and entrance SW. to Lake Scranton (Scranton Spring Brook Water Supply Co. reservoir); about 6 ft above roadway; in top of large rock outcrop; standard tablet stamped "24 JPN 1942 1318"

X = 2,582,343 Y = 455,847 41 23 53.61 75 37 38.08

STATION	DESCRIPTION	LATITUDE			LONGITUDE		
PLANE COORDINATES, FEET		°	'	"	°	'	"

LINE 1.

By W. A. Couse, 1963; Book AH 820

NGS triangulation station designated "SCRUB OAK LOOKOUT TOWER 1959"

X = 2,591,638.14	Y = 449,948.01	41 22 53.066	75 35 37.426
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Moscow, 0.2 mi E. of junction of U.S. Highway 611 and State Highway 690 (at RR. underpass), along Highway 690 to junction of County Road 35005, thence 2.0 mi straight ahead along Road 35005 (Market Street) to crossroads, thence 0.5 mi left to T-graveled rd., thence 0.7 mi right to T-rd.; in front yard of Mr. George Motichka; 62 ft S. of front door of house; 48 ft N. of centerline of rd.; 28 ft W. of pear tree; in stone flush with ground; standard tablet stamped "ET 9 WAC 1963"

X = 2,616,244	Y = 447,114	41 22 18.91	75 30 16.37
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PP 1. Center of T-rd. intersection

X = 2,616,390	Y = 447,105	41 22 18.78	75 30 14.63
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C 2. Centerline of rd. at fenceline N.

X = 2,615,778	Y = 446,884	41 22 16.76	75 30 22.56
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