

THIRD-ORDER HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

41-075-42
DUNDAFF QUADRANGLE
190 PENNSYLVANIA
N4130-W7530/15
DIAGRAM NK 18-8
SCRANTON

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Lackawanna, Susquehanna, and
Wyoming Counties

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

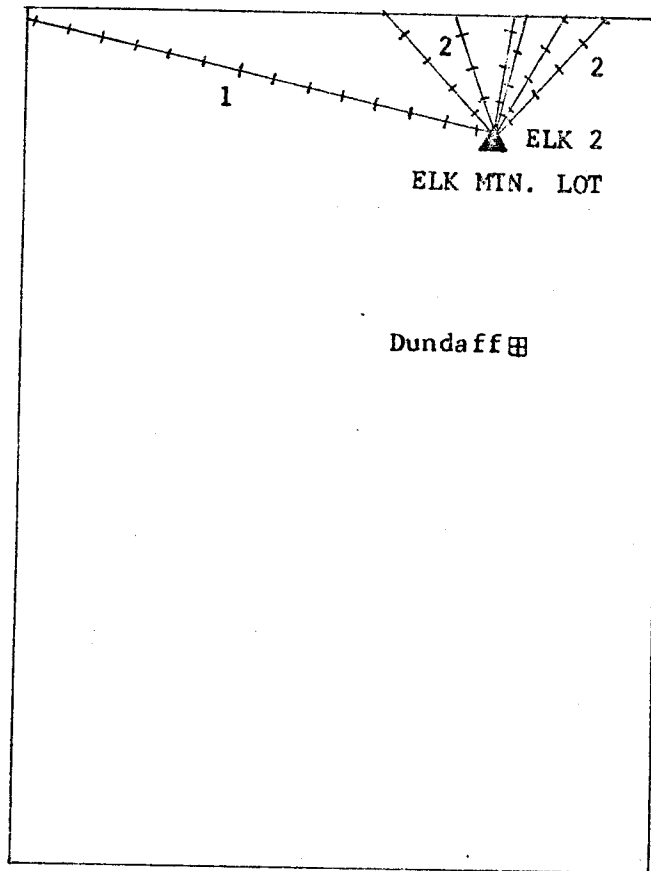
Final adjustment of 1974

Edition of 11/1/74

PR: GWK/sws

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

SUSQUEHANNA
(213)



TUNKHANNOCK
(191)

HONESDALE
(189)

X = 2,547,817
Y = 492,118

41°30'

75°30'

SCRANTON
(166)

INDEX OF PERMANENT MARKS

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| TT STA NO 22 A 1929 | 3 | |
| TT STA NO 23 A 1929 | 3 | |
| TT STA NO 25 A 1929 | 3 | |
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| <u>PDH</u> | | |
| NOT STAMPED | 6 | |
| NOT STAMPED | 6 | |
| <u>NGS</u> | | |
| ELK MOUNTAIN LOOKOUT TOWER | 6,7 | 1,2 |

| 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 L. E. Allen, 1929; Book C8898

Kingsley, 3.5 mi SE. of; 0.3 mi NW. of, and on top of hill above Acre Pond; 47 ft N. and 43 ft W. of centerline of crossroads; 25 ft S. of centerline of U.S. Highway 106; in concrete post; standard tablet stamped "TT STA NO 20 A 1929"

X = 2,556,712 Y = 577,135 41 43 57.70 75 42 36.82

South Gibson, 2.1 mi SW. of; 47 ft E. of center of grassy triangle at fork of rd. NE. to Gibson; 38 ft N. of centerline of State Highway 92; on steep bank above rd.; in concrete post; standard tablet stamped "TT STA NO 21 A 1929"

X = 2,570,087 Y = 572,792 41 43 11.66 75 39 41.85

South Gibson, 1.7 mi SE. of; 22 ft S. and 105 ft E. of center of grassy triangle formed by junction of T-rd. S. to Carbondale; at foot of steep slope; 18 ft E. of centerline of South Gibson-Union Dale rd.; in concrete post; standard tablet stamped "TT STA NO 22 A 1929"

X = 2,583,436 Y = 571,986 41 43 00.48 75 36 46.14

South Gibson, 5.2 mi SE. of, along South Gibson-Elkdale rd.; on W. side of rd.; in NE. corner of orchard of Marietta Watkins; in concrete post; standard tablet stamped "TT STA NO 23 A 1929"

X = 2,592,539 Y = 566,532 41 42 04.37 75 34 47.96

South Gibson, 3.8 mi E. of; 37 ft N. and 8 ft E. of junction of private T-rd. NW. to residence of B. R. Swingle; on N. side of South Gibson-Herrick Center rd.; in valley N. of Elk Mountain Fire Tower; in concrete post; standard tablet stamped "TT STA NO 25 A 1929"

X = 2,595,429 Y = 580,330 41 44 19.94 75 34 05.29

C. A. Turner, 1932; Books D354, 355, 356

Archbald, 2.0 mi N. of; 0.9 mi S. of crossing of U.S. Highway 6 at New York, Ontario and Western Railroad in Jermyn; at S. end of town limits; in line with W. sidewalk running N.; 63 ft W. of centerline of hwy.; in concrete post; standard tablet stamped "TT 8 T 1932"

X = 2,602,209 Y = 501,653 41 31 21.16 75 33 02.24

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

OBSOLETE MARKS (Cont'd.)

Mayfield, 1.4 mi NE of; 1.6 mi SW. of Carbondale, along U.S. Highway 6; on W. side of hwy.; between hwy. and Delaware and Hudson Railroad tracks; 44 ft N. and 19 ft W. of Powderly Colliery coal track running under RR. tracks to coal dump; on RR. property; in concrete post; standard tablet stamped "TT 9 T 1932"

X = 2,609,584 Y = 512,983 41 33 11.20 75 31 21.48

Carbondale, 2.8 mi N. of; 2.9 mi SE. of Crystal Lake, along old turnpike rd.; 60 ft N. of junction of third-class rd. N.; at W. end of cultivated field; 25 ft E. of centerline of main rd.; in concrete post; standard tablet stamped "TT 25 T 1932"

X = 2,613,620 Y = 532,196 41 36 19.94 75 30 21.87

Crystal Lake, 0.5 mi SE. of; 0.5 mi N. of Crystal Lake School; 85 ft NW. of S. end of triangle at junction of rd. SE. to Simpson; on W. side of Crystal Lake Road; in boulder 2 ft above ground; standard tablet stamped "TT 26 T 1932"

X = 2,607,966 Y = 542,476 41 38 02.91 75 31 32.79

Dundaff, 2.5 mi S. of; 74 ft E. of junction of State Highway 147 and U.S. Highway 106; in frontyard of Finch Hill Church; in concrete post; standard tablet stamped "TT 27 T 1932"

X = 2,599,247 Y = 534,396 41 36 45.30 75 33 30.27

Clifford Corners, 2.0 mi S. of; 2.7 mi N. of Tompkinsville; 0.6 mi NW. of Clifford High School; 0.3 mi NW. of intersection of State Highway 647; 95 ft ENE. of fork of rd. SW.; on property of W. J. Bell; in top of rock outcrop; standard tablet stamped "TT 28 T 1932"

X = 2,586,003 Y = 538,780 41 37 31.88 75 36 23.14

Tompkinsville; 121 ft NW. of junction of State Highways 107 and 647; 39 ft N. of centerline of Highway 107; in top of rock outcrop; standard tablet stamped "TT 29 T 1932"

X = 2,584,003 Y = 526,010 41 35 26.24 75 36 53.62

Scott, 0.5 mi SE. of; 2.3 mi NW. of Montdale, along State Highway 247; 120 ft W. of centerline of hwy. at long flat curve; on property of James Rhody; in large rock outcrop; standard tablet stamped "TT 30 T 1932" (Reported not found, 1942)

X = 2,581,087 Y = 515,889 41 33 46.98 75 37 35.24

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

OBSOLETE MARKS (Cont'd.)

Montdale; in frontyard of Montdale School; 14 ft S. and 2 ft W. of SW. corner of school building; in large rock outcrop; standard tablet stamped "TT 31 T 1932"
(Probably reset in same position, 1942)

X = 2,585,810 Y = 504,517 41 31 53.50 75 36 36.83

Jermyn, 3.6 mi NW. of; 3.6 mi SE. of Tompkinsville; 135 ft SSE. of junction of Tompkinsville-Carbondale rd.; in top of rock outcrop; standard tablet stamped "TT 33 T 1932"

X = 2,599,377 Y = 519,023 41 34 13.43 75 33 33.68

Montdale, 1.7 mi SE. of; 3.0 mi NW. of junction of U.S. Highway 6 and State Highway 247 at Peckville; in saddle at top of mountain; 26 ft NE. of centerline of hwy.; in large rock outcrop; standard tablet stamped "TT 34 T 1932"

X = 2,592,289 Y = 500,278 41 31 10.05 75 35 13.06

By E. M. Thompson, 1942; Book D4753

West Lenox, 2.5 mi W. of; about 600 ft W. of Lomis Lake; 740 ft N. of junction of T-rd. E.; 155 ft E. of centerline of rd.; in pasture field of Ray Bennett; in large boulder; standard tablet stamped "TT 65 TH 1942"

X = 2,547,436 Y = 572,768 41 43 16.71 75 44 40.47

Glennwood, 2.0 mi NW. of, along Township Road 416; 27 ft S. and 15 ft W. of junction of second-class rd. W. through barnyard of P. J. McAloon; in sandstone boulder; flush with ground; standard tablet stamped "TT 66 TH 1942"

X = 2,549,539 Y = 558,105 41 40 51.40 75 44 17.24

Nicholson, 3.5 mi NE. of, along Legislative Route 57122; 25 ft E. of centerline of rd.; in stone base of water pump of M. D. Jerauld; standard tablet stamped "TT 67 TH 1942"

X = 2,547,608 Y = 547,058 41 39 02.72 75 44 46.04

Fleetville, 2.0 mi NW. of; 0.4 mi N. of Lake Sheridan (Sheik Pond); 110 ft E. of middle stream flowing into Lake Sheridan; 20 ft S. of centerline of rd.; in pasture field; in sandstone boulder; standard tablet stamped "TT 68 TH 1942"

X = 2,547,902 Y = 530,158 41 36 15.73 75 44 47.32

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

OBSOLETE MARKS (Cont'd.)

Dalton; near underpass at crossing of U.S. Highway 11 and State Highway 77; in center of E. wall of hwy. bridge; Pennsylvania Department of Highways standard disk not stamped

X = 2,550,764 Y = 504,892 41 32 05.51 75 44 17.39

Dalton, 1.1 mi S. of, along U.S. Highway 11; in NE. wingwall of concrete bridge at underpass rd. crossing; standard tablet stamped "TT 71 TH 1942"

X = 2,553,246 Y = 499,840 41 31 15.03 75 43 46.31

Royal, 1.4 mi N. of, along U.S. Highway 106; 0.1 mi N. of crossroads at West Clifford; 160 ft S. of Scranton Electric Company pole No. 430; 45 ft E. of centerline of hwy.; in field; in large boulder; standard tablet stamped "27 ETL 1942"

X = 2,582,075 Y = 560,683 41 41 09.17 75 37 07.75

Royal; 78 ft W. of junction of U.S. Highway 106 and rd. W. to Glennwood; in SE. headwall of bridge; PDH standard disk not stamped

X = 2,582,589 Y = 553,646 41 39 59.54 75 37 03.27

Lenoxville, 1.7 mi SE. of community hall; 1.0 mi W. of Clifford Corners; 200 ft SW. of junction of State Highway 247; 55 ft S. of E.-W. stone fence; in field; in large boulder; standard tablet stamped "28 ETL 1942"

X = 2,583,988 Y = 546,518 41 38 48.80 75 36 47.16

Crystal Lake, 1.6 mi NE. of, along Crystal Lake-Union Dale rd.; 50 ft W. of centerline of rd.; 200 ft S. of residence of Allen Wedeman; in rock outcrop; standard tablet stamped "TT 76 TH 1942"

X = 2,610,674 Y = 551,877 41 39 35.07 75 30 53.95

LINE 1.

By M. K. Weber, 1966; Book AH 952

NGS intersected triangulation station designated "ELK MOUNTAIN LOOKOUT TOWER"

X = 2,597,566.51 Y = 571,677.45 41 42 53.944 75 33 39.986

190 PENNSYLVANIA
DUNDAFF QUADRANGLE

41-075-42
7

STATION DESCRIPTION
 PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

LINE 2.

By D. C. Barnett, 1966; Book AH 968

NGS intersected triangulation station designated "ELK MOUNTAIN LOOKOUT TOWER"
(Also in line 1)

X = 2,597,566.51 Y = 571,677.45

41 42 53.944 75 33 39.986