

THIRD-ORDER HORIZONTAL CONTROL  
NORTH AMERICAN DATUM OF 1927

41-075-43  
TUNKHANNOCK QUADRANGLE  
191 PENNSYLVANIA  
N4130-W7545/15  
DIAGRAM NK 18-8  
SCRANTON

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Final adjustment of 1971

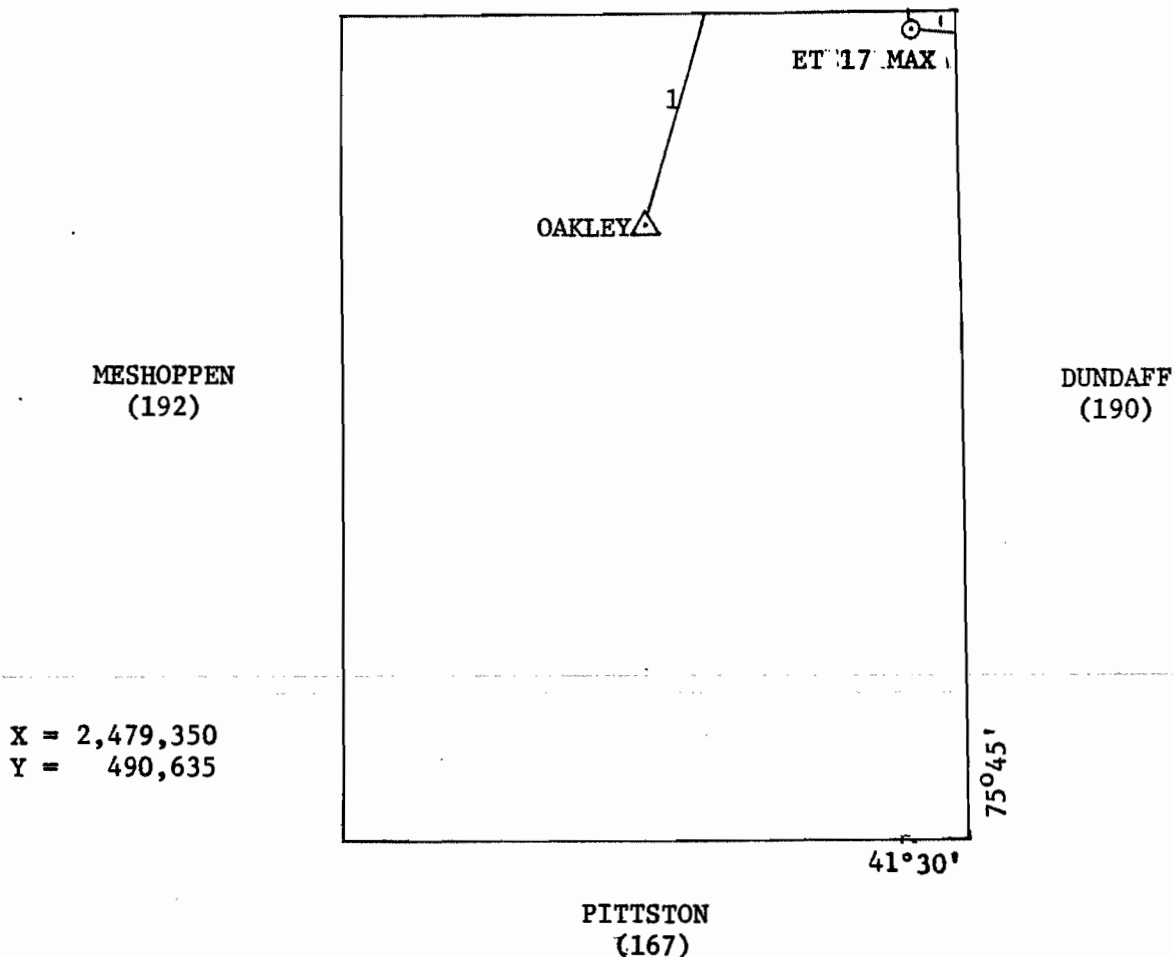
Edition of 10/19/73

PR: GWK/jyk

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

MONTROSE  
(214 PA.-58A N.Y.)



INDEX OF PERMANENT MARKS

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STATION	DESCRIPTION	LATITUDE			LONGITUDE		
		O	'	"	O	'	"
	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.

L. E. Allen, 1929; Book C8898 and C. B. Kendall, 1931; Book D 59

Oakley; 24 ft S. and 24 ft E. of crossroad; 335 ft W. of rd. tunnel under RR.; 3 ft S. of fenceline; 28 ft W. of Lackawanna Trail; in concrete post; standard tablet stamped "TT STA NO 19 A 1929"

X = 2,544,874      Y = 578,161      41 44 10.56      75 45 12.61

Dimock, 0.8 mi E. of, thence 2.0 mi S.; at Parkvale; near SW. corner of frontyard of residence of Harry Moore; 72 ft N. and 18 ft E. of junction of T-rd. N.; 18 ft E. of centerline of rd.; level with ground; in top of large flat boulder; standard tablet stamped "TT 1 K 1931"

X = 2,511,581      Y = 570,764      41 43 04.85      75 52 33.74

Dimock; 320 ft E. of intersection of E.-W. rd. and State Highway 29; 250 ft SW. of Dimock School; on S. side of rd.; at NW. corner of community building; in N. face of concrete foundation of porch pillar; standard tablet stamped "TT 2 K 1931" (Reported destroyed, 1966)

X = 2,505,439      Y = 580,841      41 44 45.69      75 53 51.87

Dimock, 2.5 mi W. of; 2.5 mi W. of Brooklyn; about 0.2 mi NW. of Meshoppen Creek crossing; 240 ft W. of junction of Dimock-Brooklyn Road and Meshoppen Road; 220 ft N. of old residence of Walter Lord; in pasture field; 150 ft NW. of barn; in top of large boulder; standard tablet stamped "TT 6 K 1931"

X = 2,517,474      Y = 582,430      41 44 58.81      75 51 12.69

E. M. Thompson, 1942; Book D4858

North Eaton; 6 ft N. and 17 ft W. of junction of T-rd. E.; in concrete walk leading to Bryden residence; standard tablet stamped "TT 72 TH 1942"

X = 2,482,902      Y = 507,840      41 32 49.24      75 59 08.72

Eatonville, 2.0 mi W. of, along township rd. 377; in Luckenbach pasture field; 30 ft N. of barn; 17 ft N. of centerline of rd.; in sandstone boulder; standard tablet stamped "TT 73 TH 1942"

X = 2,482,413      Y = 494,735      41 30 39.89      75 59 18.66

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

Nicholson, 0.7 mi E. of, along Nicholson-Glenwood Road (State Highway 92);  
in N. face of concrete bridge over small stream; Pennsylvania Department  
of Highways standard disk not stamped

X = 2,541,776      Y = 539,060      41 37 45.05      75 46 05.25

Factoryville, 1.7 mi NE. of; in NW. abutment of concrete bridge over Delaware,  
Lakawanna & Western Railroad; standard tablet stamped "TT 69 TH 1942"

X = 2,544,297      Y = 519,886      41 34 35.09      75 45 37.87

La Plume; 90 ft E. of junction of U. S. Highway 11 and T-rd. E. to Wallsville;  
in SE. base of concrete bridge over small stream; standard tablet stamped  
"TT 70 TH 1942"

X = 2,545,890      Y = 512,692      41 33 23.67      75 45 19.09

West Nicholson, 1.4 mi N. of; at residence of Clarence Park; 39 ft S. and  
40 ft E. of crossroad; in large stone step at front entrance; standard  
tablet stamped "TT 60 TH 1942"

X = 2,513,847      Y = 548,264      41 39 22.11      75 52 10.31

West Nicholson, 1.3 mi S. of; 2.5 mi N. of East Lemon; 38 ft E. of centerline  
of rd.; 15 ft N. of stone fence; in SW. corner of pasture field; in large  
sandstone boulder; standard tablet stamped "TT 61 TH 1942"

X = 2,514,543      Y = 536,200      41 37 22.80      75 52 04.60

East Lemon; 0.2 mi S. of crossroad; 6.4 mi along State Highway 92 NE. of  
intersection of Bridge and Tioga Streets at Tunkhannock, thence 0.2 mi  
S. along dirt rd.; 9 ft E. of centerline of rd.; in top of S. abutment  
of bridge; standard tablet stamped "38 WE 1942"

X = 2,515,996      Y = 521,984      41 35 02.07      75 51 49.55

Bardwell; in NE. abutment of iron bridge over S. branch of Tunkhannock  
Creek; standard tablet stamped "TT 62 TH 1942"

X = 2,515,302      Y = 513,531      41 33 38.72      75 52 01.09

Lake Winola, 1.1 mi N. of; 300 ft S. of rd. fork; in pasture field of  
John Thomas; 9 ft W. of fence; in large sandstone boulder; standard  
tablet stamped "TT 63 TH 1942"

X = 2,516,876      Y = 502,420      41 31 48.63      75 51 43.58

STATION	DESCRIPTION	LATITUDE			LONGITUDE		
		0	'	"	0	'	"

PLANE COORDINATES, FEET

Lake Winola, 1.3 mi SW. of; 118 ft SE. of T-rd. S.; in pasture field of E. W. Carter; in large sandstone rock; standard tablet stamped "TT 64 TH 1942"

X = 2,511,992      Y = 492,301      41 30 09.72      75 52 50.65

W. P. Scales, 1942; Book D4753

Meshoppen, about 4.0 mi E. of; 0.2 mi S. of Kaiserville; about 100 ft W. of Tunkhannock-Kaiserville Road; about 30 ft N. of Township Road 493; about 2 ft N. of fence; in rock outcrop; standard tablet stamped "TT 1 WPS 1942"

X = 2,482,982      Y = 528,831      41 36 16.58      75 59 02.04

Meshoppen, about 3 mi NE. of; at E. end of Township Road 502; 150 ft NW. of junction of rd. to Auburn Four Corners; in prominent boulder; standard tablet stamped "TT 2 WPS 1942"

X = 2,478,514      Y = 538,829      41 37 56.23      75 59 58.18

Meshoppen, about 5.0 mi NE. of; on Kaiserville-Auburn Four Corners Road; about 175 ft S. of T-rd. E.; 12 ft W. of centerline of rd.; in rock ledge; standard tablet stamped "TT 3 WPS 1942"

X = 2,479,948      Y = 547,056      41 39 17.21      75 59 37.11

Auburn Four Corners, 1.6 mi N. of, along Township Road 340; about 0.1 mi N. of T-rd. E.; 100 ft E. of rd.; 35 ft N. of E.-W. woods line; in center of rock outcrop; standard tablet stamped "TT 4 WPS 1942"

X = 2,481,550      Y = 578,793      41 44 30.38      75 59 07.49

LINE 1.

M. K. Weber, 1966; Book AH 952

NGS standard triangulation station disk stamped "OAKLEY 1929"

X = 2,511,744.73      Y = 558,893.79      41 41 07.562      75 52 34.967

Hopbottom, 2.8 mi N. of; 2.1 mi SW. of Kingsley; 0.05 mi N. of post office in Brooklyn, thence E. (right) 2.2 mi to point where main rd. turns left; continue straight ahead 0.2 mi to gate on right; go through gate and up hill on field rd. 0.1 mi; 135 ft NW. of 30-in. hickory tree; 34 ft W. of centerline of field rd.; on high part of large rock outcrop; in drill hole; standard tablet stamped "ET 17 MAX 1966". Grid azimuth to Elk Mountain Lookout Tower 10.7 mi distant: 279°48'43" (Pa. N.)

X = 2,541,668      Y = 581,345      41 44 42.74      75 45 53.92

Quad 191 Penn.

**DESCRIPTION**

**HORIZONTAL CONTROL STATION**

Triangulation

Electronic - Distance Traverse

Intersected Object

Station CLIFF ET 1968 County Wyoming State Pennsylvania  
Established by USGS Year 1968 Project Laporte

Check one:

New Station: Write full description below

Recovery of Old Station: Recovered by \_\_\_\_\_ Year \_\_\_\_\_ Project \_\_\_\_\_

Object	Bearing	Distance		Directions
		Feet	Meters	
EVANS ET 1968	SE			00 00 00.00
Reference Mark No. 1	W	48.10	14.661	134 28 53
Reference Mark No. 2	N	35.96	10.961	222 06 03
MICROWAVE TOWER	SE	about 4.0 miles		359 50 14.38

Station is located about 8.0 miles north of Harveys Lake and about 4.5 miles southwest of Tunkhannock.

To reach from junction of state highways 309 and 292 near Evans Falls, go north on state highway 309 for 2.7 miles to T-road leading to Mehoopany, turn left on black top road and go for 1.4 miles to T-road, turn right and go for 1.0 mile on gravel road to farm buildings and station on left.

The station mark is a standard tablet stamped " CLIFF ET 1968 " set in a drill hole in a large rock ledge. It is 420 feet northwest of northwest corner of main barn, 360 feet northeast of northeast corner of single story house, 350 feet north of centerline of road, 102 feet south of a 30 inch oak, 41.6 feet southwest of powerpole No. 9550301 and 16 feet northeast of a 30 inch elm.

Reference mark No. 1 is a standard reference mark tablet stamped " CLIFF ET 1968 RM 1 " set in a drill hole in a 6 by 12 foot boulder projecting about 3 feet. It is 72 feet southwest of a 30 inch oak and 30 feet northeast of a 6 by 6 foot rock.

Reference mark No. 2 is a standard reference mark tablet stamped " CLIFF ET 1968 RM 2 " set in a drill hole in point of rock outcrop. It is 34 feet northeast of a 30 inch elm and 9.7 feet south of power pole No. 9550301.

The azimuth mark is the centerline of The AT&T microwave tower next to station " EVANS ET 1968 " and is visible from ground.

Lat. 41° 30' 42.42"  
Long. 75° 59' 21.06"

SKETCH

Station .....

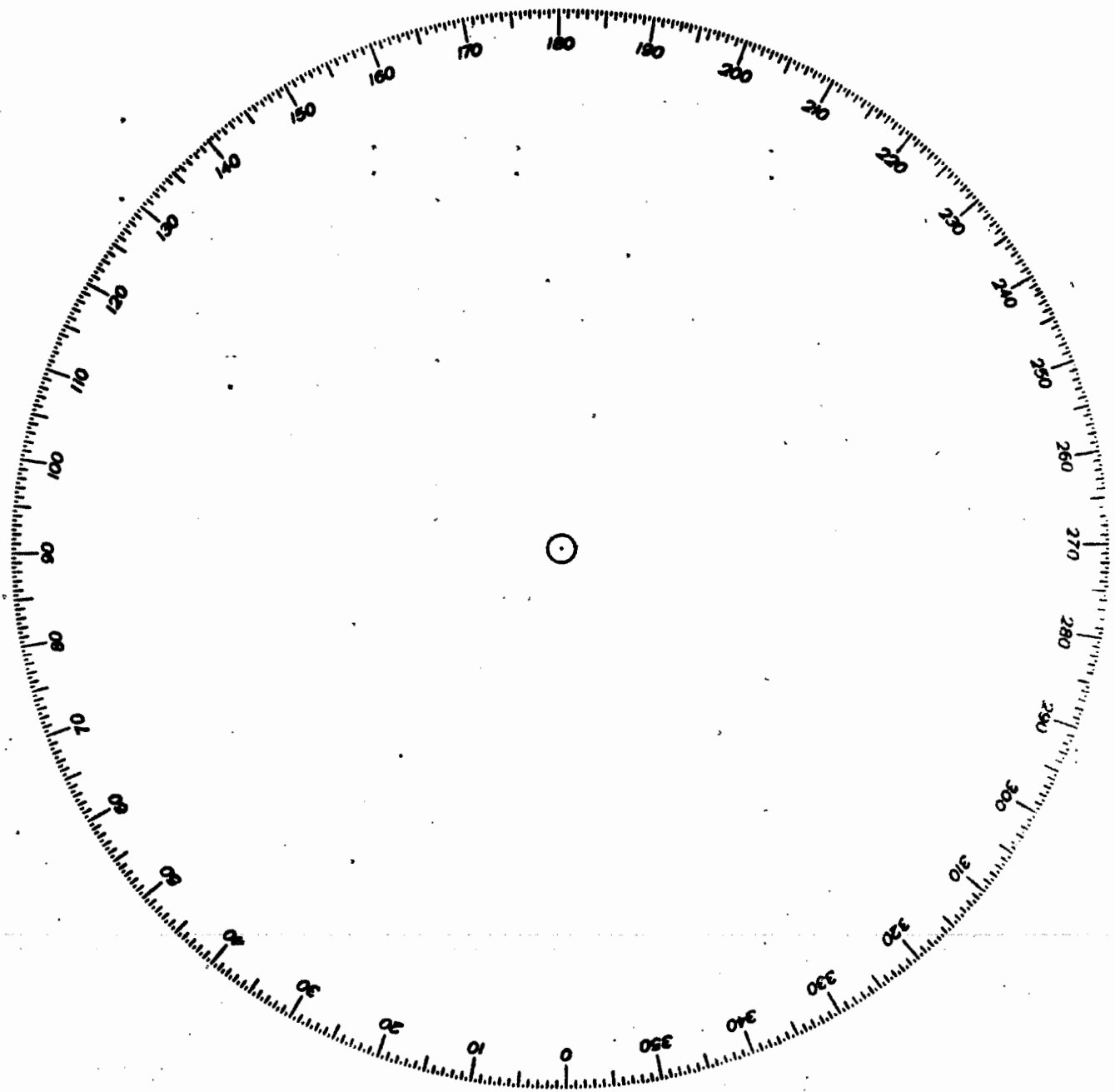
Observer .....

Field Book .....

Year .....

Page .....

Plotted by .....



Symbols:

- Instrument Position
- Signal
- Station Mark
- All Concentric

