

THIRD-ORDER LEVELING  
NATIONAL GEODETTIC VERTICAL DATUM OF 1929

41-075-14  
STARRUCCA QUADRANGLE  
212 PA.-47 N.Y.  
N4145-W7515/15  
DIAGRAM NK 18-8  
SCRANTON

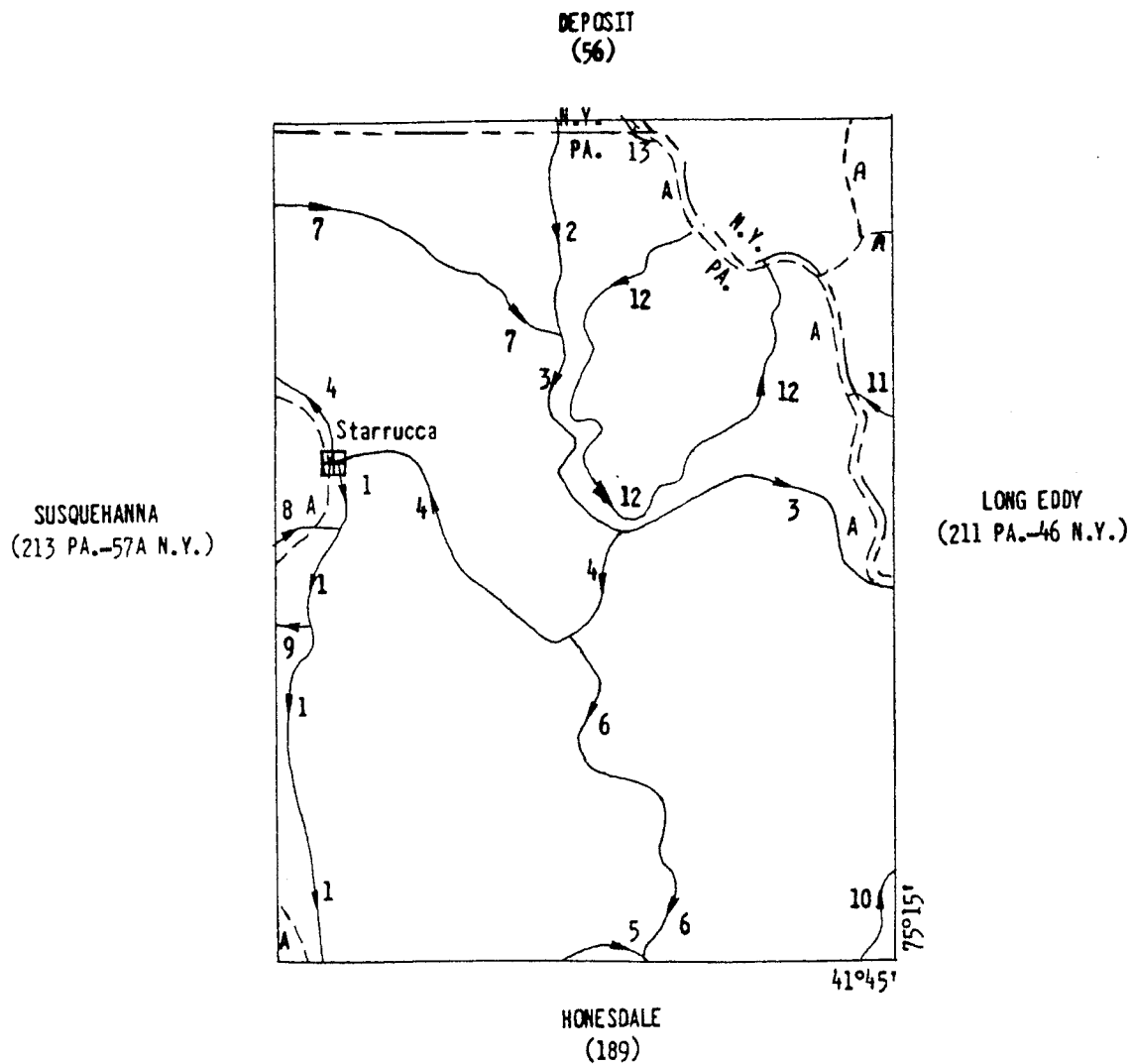
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Susquehanna and Wayne Counties, Pa.;  
Broome and Delaware Counties, N.Y.

Final adjustment of 1971

Edition of 6/9/77

PR: GWK/jyk



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 410751

## INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>	<u>MARK (USGS)</u>	<u>PAGE NO.</u>
882 ALBANY 1900	3	83 WDK 1963 1236	7
924 ALBANY 1900	8	84 WDK 1963 1769	7
TT STA NO 13 A 1929	3	85 WDK 1963 1714	7
TT STA NO 14 A 1929	5	91 WDK 1963 1048	8
TT STA NO 28 A 1929	3		
TT STA NO 29 A 1929	3	<u>PDH</u>	
TT STA NO 35 A 1929	5	86 WDK 1963	8
TT STA NO 36 A 1929	4	87 WDK 1963	8
TT STA NO 37 A 1929 1382	4,8	88 WDK 1963	8
TT STA NO 38 A 1929	4	89 WDK 1963	8
TT STA NO 39 A 1929 RESET 1940	4	90 WDK 1963	8
1 MAR 1930	3	92 WDK 1963	8
2 MAR 1930	3		
3 MAR 1930	4	<u>N.Y. DEPT. OF PUBLIC WORKS</u>	
4 MAR 1930	5	9 C 63	7
5 MAR 1930	6		
6 MAR 1930	5	<u>NGS</u>	
7 MAR 1930 1514	6	E 128 1941	9
8 MAR 1930	6	H 128 1941	7
82 WDK 1963 1018	7	M 128 1941	7

STARRUCCA  
Books 7999, 8911, A 9434 and B 1828

PA.-N.Y.

41-075-14  
Semper  
1900

ISOLATED BENCH MARKS (By Semper, 1900; Book 7999)

feet

Stockport, 1.1 mi S. of bridge 17; at W. abutment of S. side; in top of second step; standard tablet stamped "882 ALBANY 1900"

882.904

LINE 1.

M. A. Roudabush, 1930; Book B 3903

Herrick Corners, 3.0 mi N. of; at end of stone fence in orchard of John Mathalona; 230 ft N. of farmhouse; 22 ft W. of hwy.; in concrete post; standard tablet stamped "TT STA NO 28 A 1929" (Reported not found, 1966)

1952.631

Starrucca, 1.7 mi SW. of; 25 ft W. of centerline of Callender Road S.; 3 ft E. of iron hwy. marker; 16 ft S. of Thompson Road; in concrete post; standard tablet stamped "TT STA NO 13 A 1929" (Reported destroyed, 1966)

1383.213

Thompson, 3.3 mi SE. of; 0.6 mi S. of Wrighter Corner; 14 ft S. and 13 ft E. of junction of hwy. and private rd. to Martin Vitkus farmhouse; 121 ft N. of stone bridge over outlet of Dunn Pond; 18 ft E. of centerline of hwy.; in concrete post; standard tablet stamped "TT STA NO 29 A 1929"

1982.237

LINE 2.

Leveled twice by M. A. Roudabush, 1930; Book B 3903

U.E., Scott Center, 3.4 mi N. of; 1.1 mi S. of New York-Pennsylvania State line; in front of farmhouse of H. C. Hackett; 12 ft W. of rd.; on SW. corner of second concrete step; chiseled square

1212.02

Scott Center, 2.9 mi N. of; 180 ft E. of hwy. at small dam; in large flat rock; standard tablet stamped "1 MAR 1930"

1339.774

Scott Center; 0.14 mi W. of crossroad; 450 ft SW. of school; 25 ft S. of rd. W.; 150 ft SE. of forks of rd. NW.; in fenced pasture; in embedded boulder; standard tablet stamped "2 MAR 1930"

1497.958

LINE 3.

M. A. Roudabush, 1930; Book B 3903

U.E., Scott Center, 1.0 mi S. of; 70 ft E. of forks of rd. to Hiawatha; on boulder in pasture; chiseled square

1730.94

U.E., Scott Center, 2.0 mi S. of; 1.6 mi N. of Shehawken; 50 ft SW. of Austin Haynes farmhouse; 20 ft E. of rd.; in top of ledge; chiseled square

1894.62

U.E., Shehawken, 0.8 mi N. of; opposite rd. W. at township line; on ledge; chiseled square

1871.06

1930

LINE 3 (Cont'd.)Feet

Shehawken; 0.11 mi NE. of crossroad; 190 ft W. of Shehawken Lake; 100 ft E. of rd. to Scott Center; in large boulder; standard tablet stamped "3 MAR 1930"	1816.868
Reference mark; 0.12 mi SE. of tablet; 150 ft SW. of lake; 160 ft N. of state rd.; on large flat boulder; chiseled square	1810.81
U.E., Shehawken; 0.2 mi E. of crossroad; in E. angle of rd. forks near S. inlet of lake; on S. end of stone ledge; chiseled square	1809.08
U.E., Shehawken, 1.1 mi SE. of; 0.6 mi NW. of Preston Park; in SW. angle of junction of rd. W.; on large flat boulder; chiseled square	1778.65
U.E., Preston Park; 0.1 mi NW. of station and post office; 30 ft N. of junction of hwy.; on W. end of lowest concrete step of Curtis farmhouse; chiseled square	1646.46
U.E., Preston Park; 250 ft S. of station; on E. corner of hwy. bridge over New York, Ontario and Western Railroad; on top of backwall; chiseled square	1612.02
Preston Park, 1.2 mi E. of; in old Whittaker settlement; 100 ft SE. of wooden culvert over Shehawken Creek; 10 ft E. of driveway to barn of Morris Reasoner; 27 ft S. of hwy.; in fenced yard; in concrete post; standard tablet stamped "TT STA NO 37 A 1929 1382"	1381.726
Reference mark; 0.1 mi NE. of tablet; 70 ft NE. of rd.; on large flat boulder; chiseled square	1379.16
U.E., Starlight, 1.3 mi SW. of; 50 ft W. of rd. forks; 60 ft NE. of white house on knoll; on embedded boulder; chiseled square	1451.76
Stockport, 1.5 mi W. of; 26 ft E. of private driveway to barn of Corbett Smith; in W. corner of orchard; 15 ft S. of hwy.; in concrete post; standard tablet stamped "TT STA NO 38 A 1929" (Reported disturbed, 1963)	1395.592
Stockport, 1.8 mi SE. of; 150 ft S. of dwelling of R. B. Stevens; 74 ft W. of well; 30 ft E. of center of hwy.; 7 ft from frame barn; in concrete post; standard tablet stamped "TT STA NO 39 A 1929 RESET 1940"	892.792

LINE 4.

M. A. Roudabush, 1930; Book B 3903

U.E., Lakewood; at E. end of village; 50 ft N. and 30 ft E. from center of crossroad; on SW. corner of concrete base of gasoline pump; chiseled square	1741.70
Lakewood; at W. side of village; 21 ft N. and 8 ft E. from intersection of private rd. to farm buildings of Dean M. Howell; 23 ft N. of hwy.; in concrete post; standard tablet stamped "TT STA NO 36 A 1929" (Reported destroyed, 1965)	1857.211
Reference mark; 170 ft W. of tablet; 20 ft S. of rd.; on ledge; chiseled square	1865.87

1930

LINE 4 (Cont'd.)Feet

U.E., Lakewood, 1.0 mi W. of; 0.6 mi E. of Preston Center; on NE. corner of stone culvert at forks of rd. N.; chiseled square	1998.37
U.E., Preston Center; 100 ft SE. of forks of rd. W.; 450 ft E. of church; on ledge; chiseled square	2028.68
U.E., Preston Center, 0.7 mi NW. of; 0.3 mi S. of quarry; 180 ft SE. of farmhouse; on SW. side of rd.; on top of ledge; chiseled square	1886.26
Preston Center, 1.8 mi NW. of; 0.16 mi N. of public rd. E.; 20 ft N. and 20 ft W. from entrance of private rd., (northernmost of three used) W. into Matthew Strzalka's farm; 110 ft SE. of farmhouse; in concrete post; standard tablet stamped "TT STA NO 35 A 1929" (Not found, 1968)	1837.044
Reference mark; 460 ft SW. from tablet; on high ledge; 9 ft W. of NE. corner; in depression; chiseled square	1833.28
U.E., Starrucca; 0.2 mi N. of S. boundary of borough; 2.4 mi NW. of Preston Center; 30 ft NW. of rd. forks at Maplehurst Stock Farm; on large flat boulder; chiseled square	1758.38
U.E., Starrucca; on top of King Hill; 130 ft SE. of forks of rd. to Coxton Lake; 35 ft NW. of well; on flat ledge; chiseled square	1873.68
U.E., Starrucca; on SW. corner of concrete porch of Glovers Store; chiseled square	1309.59
U.E., Starrucca; 200 ft NW. of post office; at junction of State Highways 470 and 570; at Koehler Refreshment Stand; at NW. corner of rd. forks; on SE. corner of stone walk; chiseled square	1312.42
Starrucca, 0.9 mi N. of; on Susquehanna-Wayne County line; 7.3 ft N. and 2.6 ft W. from county line marker; 20 ft E. of private rd. along county line to abandoned house; 20 ft NE. of State Highway 470; in concrete post; standard tablet stamped "TT STA NO 14 A 1929" (Tied by NGS, 1935) (Reported disturbed, 1966)	1309.236
U.E., Starrucca, 1.4 mi N. of; on N. end of concrete apron at base of Simrell's steps; E. of rd.; chiseled square	1269.89
U.E., Starrucca, 2.1 mi N. of; 1.0 mi SE. of Melrose; 70 ft NE. of hwy.; 10 ft N. of Slocum Hill Road; on flat boulder; chiseled square	1252.79

LINE 5.

M. A. Roudabush, 1930; Book B 3903

Niagara, 1.3 mi E. of; 0.6 mi W. of Rudes Corner; 30 ft N. of centerline of macadam rd.; 8 ft W. of wire fence along woods rd. N.; in ledge; standard tablet stamped "6 MAR 1930 1511"	1511.299
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LINE 6.

M. A. Roudabush, 1930; Book B 3903

Lakewood, 2.5 mi SE. of; 2.7 mi SW. of Lake Como; 160 ft W. of rd. forks; in Tully's woods; in ledge; standard tablet stamped "4 MAR 1930"	1529.275
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LINE 6 (Cont'd.)

1930

Reference mark 2; 270 ft N. of tablet; 100 ft NE. of Lakewood Road; on lowest ledge in pasture; chiseled square

Feet

1500.34

Lakewood, 5.1 mi SE. of; 0.6 mi NW. of Rock Lake Church; 0.35 mi S. of Mount Pleasant-Preston Township line; 0.2 mi NW. of crossroad; 100 ft SW. of T-rd.; in solid ledge; standard tablet stamped "5 MAR 1930"

1534.716

U.E., Rock Lake Church, 200 ft N. of; on foundation stone at SW. corner of church hall; chiseled square

1758.59

LINE 7.

M. A. Roudabush, 1930; Book B 3903

Stevens Point, 4.2 mi E. of; 4.0 mi W. of Scott Center; 430 ft E. of farmhouse; 180 ft N. of rd.; 40 ft E. of brook; in pasture; near center of top of 7-ft embedded boulder; standard tablet stamped "8 MAR 1930"

1571.669

Reference mark; 35 ft SE. of farmhouse; 2 ft N. of poplar tree; on foundation stone of retaining wall; chiseled circle

1564.47

U.E., Scott Center, 1.6 mi W. of; 80 ft N. of Maple Grove Crossroad; on large flat boulder; chiseled square

1813.29

U.E., Scott Center, 0.8 mi NW. of; 50 ft NE. of milkhouse; in drain at bend S.; at N. edge of rd.; on ledge; chiseled square

1636.36

LINE 8.

C. E. Walker, 1931; Book B 4645

U.E., Thompson, 1.0 mi E. of; on State Highway 470; 15 ft N. and 120 ft E. from forks of secondary rd.; opposite culvert; on SW. corner of large flat rock; chiseled square

1505.73

LINE 9.

C. E. Walker, 1931; Book B 4645

U.E., Thompson, 2.0 mi SE. of; 40 ft W. of hwy.; in line with rd. E.; on large rock in place; chiseled square

1970.56

LINE 10.

M. A. Roudabush, 1930; Book B 3903

Cold Spring, 4.0 mi NE. of; 130 ft N. of forks of rd. E. in "The Notch"; 85 ft E. of log trail NW.; in ledge; standard tablet stamped "7 MAR 1930 1514"

1514.308

1963

LINE 11.Feet

W. D. Kelly, 1963; Book AV 974

9	55	9.65	Hancock (junction of State Highways 17 and 97), 3.2 mi SE. of, along Highway 97; 30 ft N. and 54 ft W. of, and 5 ft lower than Y-rd.; in concrete post; New York State Department of Public Works standard disk stamped "9 C 63"	1275.029
9	59	10.94	"M 128 1941" (NGS)	895.277

LINE 12.

W. D. Kelly, 1963; Book AV 974

8	3	0.00	"M 128 1941" (NGS)	942.898
8	5	1.16	Winterdale, 3.5 mi W. of, along right bank of Delaware River; 0.8 mi SW. of Hancock; 50 ft N. and 12 ft E. of, and 2 ft higher than N. end of bridge over Balls Creek; in rock ledge; standard tablet stamped "82 WDK 1963 1018"	1017.791
8	6	1.59	U.E., on E. wingwall of concrete bridge; 1 ft higher than bridge; chiseled square	1049.40
8	7	1.92	U.E., 12 ft SE. of, and level with centerline of W. end of bridge; on W. concrete base; chiseled square	1087.15
8	10	3.34	Reference mark; 45 ft W. of creek; 142 ft NW. of tablet; on slanting boulder; chiseled square	1232.63
8	10	3.34	Hancock, 3.5 mi W. of, thence 3.0 mi SW. along Balls Creek; 1.7 mi SW. of Winterdale; opposite T-rd.; 40 ft N. and 18 ft NW. of wood bridge; in concrete post; standard tablet stamped "83 WDK 1963 1236"	1235.802
8	11	3.75	U.E., 16 ft E. and 1 ft higher than centerline of rd.; on flat rock; chiseled square	1367.61
8	12	4.13	U.E., 19 ft W. of, and 2 ft higher than centerline of rd.; on large boulder; chiseled square	1393.10
8	13	4.66	U.E., at centerline of crossroad; on rock; chiseled square	1508.79
8	15	5.21	Winterdale, 1.7 mi SW. of, thence 1.9 mi S.; 4.1 mi N. of Preston Park; 135 ft E. of T-rd. S.; in large boulder; standard tablet stamped "84 WDK 1963 1769"	1768.522
8	16	5.60	U.E., at centerline of rd.; on rock; chiseled square	1790.08
8	18	6.69	U.E., 10 ft S. of, and level with W. leg of triangular rd. fork; on rock in gutter; chiseled square	1630.90
8	19	6.97	Preston Park Post Office, 2.3 mi N. of; 1.2 mi NE. of Shehawken Lake; 165 ft S. of barn; 27 ft E. of centerline of rd.; in large boulder; standard tablet stamped "85 WDK 1963 1714"	1714.248

LINE 12 (Cont'd.)

1963

Feet

8	20	7.52	U.E., 19 ft N. and 6 ft E. of, and level with T-rd.; on flat rock in edge of rd.; chiseled square	1772.21
8	21	8.01	U.E., 50 ft S. and 15 ft E. of, and 4 ft higher than farm rd. crossing; on SW. corner of large concrete box; chiseled square	1658.12
8	22	8.46	U.E., 18 ft N. and 22 ft W. of, and level with centerline of private drive E.; on rock; chiseled square	1575.03
8	23	8.79	Preston Park Post Office, 0.6 mi N. of; 30 ft W. of, and level with centerline of hwy. bridge and former overhead RR. bridge; in NW. corner wingwall of hwy. bridge; PDH standard disk stamped "86 WDK 1963"	1544.092
8	24	9.29	Preston Park Post Office; 0.13 mi NW. of; 14 ft N. of, and level with centerline of abandoned hwy. bridge; in NW. wingwall; PDH standard disk stamped "87 WDK 1963"	1436.662
8	25	9.84	Preston Park Post Office, 0.4 mi NE. of, along State Highway 370; 15 ft E. of W. end of concrete bridge over Shehawken Creek; in SW. wingwall; PDH standard disk stamped "88 WDK 1963"	1378.741
8	25	9.84	"TT STA NO 37 A 1929 1382" (Described in line 3)	1381.726
8	26	10.59	Preston Park Post Office, 1.0 mi NE. of, along State Highway 370; 85 ft N. of crossroad; 15 ft E. of, and level with centerline of S. end of concrete bridge; in SE. wingwall; PDH standard disk stamped "89 WDK 1963"	1323.314
8	28	11.81	Preston Park Post Office, 2.3 mi NE. of; 1.5 mi S. and 3.2 mi SW. of Hancock; 48 ft N. and 15 ft E. of, and level with T-rd. N.; in SE. wingwall of bridge; PDH standard disk stamped "90 WDK 1963"	1204.134
8	31	13.30	Hancock, 1.5 mi S. of, thence 1.8 mi SW.; 15 ft W. of utility pole; 45 ft S. of, and level with centerline of rd.; in rock outcrop; standard tablet stamped "91 WDK 1963 1048"	1048.291
8	34	15.08	Hancock; 1.5 mi S. of RR. station; 66 ft N. of junction of State Highways 191 and 370; 12 ft E. of, and level with centerline of bridge over Shehawken Creek; PDH standard disk stamped "92 WDK 1963"	914.033
8	36	16.17	U.E., 15 ft W. of, and 1 ft higher than centerline of N. end of bridge over W. branch of Delaware River; chiseled square	918.87
8	37	16.79	Hancock; 0.7 mi NW. of station, along Erie Railroad; at steel bridge 163.67; in top of E. abutment; 6 ft S. of N. end; 8 ft N. of track; standard tablet stamped "924 ALBANY 1900"	924.690

9  
STARRUCCA  
Book AV 974

PA.-N.Y.

41-075-14

W. D. Kelly

1963

LINE 13.

Feet

By W. D. Kelly, 1963; Book AV 974

5 74 22.91 "E 128 1941" (NGS)

952.314