

THIRD-ORDER LEVELING  
SEA LEVEL DATUM OF 1929

HAZLETON QUADRANGLE  
118 PENNSYLVANIA  
N4045-W7545/15  
DIAGRAM NK 18-11  
NEWARK

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Carbon, Luzerne and Schuylkill  
Counties

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

Final adjustment of 1971

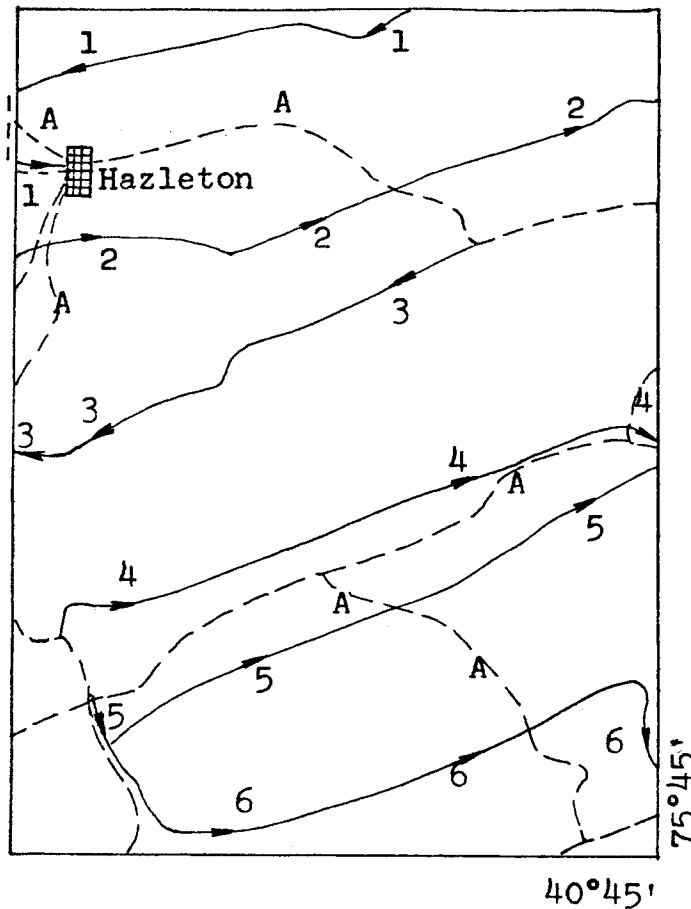
Edition of 5/10/72

PR: GWK/jyk

WILKES BARRE  
(142)

MAHANOY  
(119)

LEHIGHTON  
(117)



HAMBURG  
(95)

NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 400754

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HAZLETON  
Book A 7537

PENNSYLVANIA

H. M. Gillman, Jr.

1908

ISOLATED BENCH MARKS (By H. M. Gillman, Jr., 1908;  
Book A 7537)

Feet

Andreas; 1.3 mi NE. of station; 0.1 mi N. of rd.  
crossing; in N. face of NW. wingwall of county bridge  
over Lizard Creek; standard tablet stamped "564 1908"

564.128

LINE 1.

E.W. Smith, 1942; Book B 9605

Eckley; on S. side of Main Street; 105 ft SE. of SE.  
corner of Catholic Church; 60 ft SE. of B. T. Co.  
pole 205; 60 ft from hwy.; on third step of Eckley  
Township School; standard tablet stamped  
"19 EWS 1942"

1705.716

Reference mark; 105 ft NW. of tablet; on E. side of  
Catholic Church; on curbstone near side entrance;  
45 ft from hwy.; 40 ft NW. of P. P. & L. Co. pole 8367;  
chiseled square

1704.02

U.E., Jeddo, 1.1 mi NE. of; 60 ft SE. of SE. corner of  
engine house of Highland Colliery No. 5; 24 ft S. of  
powerline; on N. side of Sandy Valley Road; on  
property of Jeddo-Highland Coal Company; on large  
congolmerate boulder; chiseled square

1697.31

Jeddo; 24 ft from hwy.; 12 ft NW. of electric line,  
telephone, and street light pole; on N. side of  
Broad Street; on top step of entrance to Jeddo  
Borough School; standard tablet stamped "20 EWS 1942"

1602.608

Reference mark; 22 ft SE. of tablet; 12 ft N. of hwy.;  
10 ft NW. of light pole; on SW. corner of cement  
around manhole cover of steampipe line; chiseled square

1600.73

U.E., Jeddo; 1.6 mi W. of post office; 400 ft S. of  
junction of Stockton Road and State Highway 940; 132  
ft S. of Lehigh Valley Railroad crossing; 18 ft W.  
of hwy.; on W. side of rd.; on culvert; chiseled  
square

1562.96

Ebervale; 150 ft S. of State Highway 940; 93 ft W.  
of W. side of coal mine ventilator shaft; 48 ft N. of  
N. rail of L. V. RR.; in field in front of Ebervale  
School; in boulder; standard tablet stamped  
"21 EWS 1942"

1541.940

1942

LINE 2 (Cont'd.)Feet

Reference mark; 48 ft W. of tablet; 15 ft SW. of SW. corner of abandoned RR. station; 4 ft NW. of N. rail; in concrete post; chiseled square	1558.48
U.E., Beaver Meadows, 2.0 mi NE. of, along abandoned L. V. RR. bed; 96 ft NW. of State Highway 93; 69 ft NW. of B. T. Co. of Pa. pole 31; 18 ft S. of RR. bed; at NW. corner of bridge over small brook (bridge on 100-ft dirt rd. connecting RR. and State Highway 93); on boulder; chiseled square	1507.07
"U 48 1934" (NGS)	1318.446
U.E., Weatherly, 2.3 mi NW. of; 1.2 mi NE. of Hazle Creek Junction, along L. V. RR. track; 12 ft SE. of rail; 14 ft NE. of hwy.; on E. corner of concrete foundation of warning signal at RR. crossing; chiseled square	1408.48
U.E., Buck Mountain, 0.9 mi NE. of; on S. side of Carbon Township Road; 105 ft E. of P. P. & L. Co. pole 10988; 13 ft W. of W. rail of L. V. RR.; 12 ft S. of hwy.; on SE. corner of concrete foundation of warning signal at RR. crossing; chiseled square	1384.15
Buck Mountain; on W. side of Eckley Road; 10 ft S. of S. rail of L. V. RR. track; 25 ft above rd. level; 18 ft W. of hwy.; in S. side of W. abutment of RR. bridge over hwy.; standard tablet stamped "25 EWS 1942"	1352.866
Reference mark; 15 ft S. of tablet; 25 ft S. of S. rail of L. V. RR. track; 28 ft above rd. level; 18 ft W. of hwy.; on S. end of SW. abutment of RR. bridge over hwy.; chiseled square	1355.42
U.E., Buck Mountain, 1.7 mi E. of, along L. V. RR.; on W. side of Buck Mountain Road; 10 ft N. of N. rail; 9 ft W. of hwy.; on S. corner of concrete foundation block of warning signal at RR. crossing; chiseled square	1295.94
U.E., Buck Mountain, 1.7 mi E. of, thence 0.7 mi S.; on N. side of Buck Mountain Road; 14 ft N. of hwy.; 2.5 ft above level of rd.; on boulder; chiseled square	1174.83

1942

LINE 3 (Cont'd.)Feet

- U.E., Hudsondale, 4.2 mi W. of; on N. side of Hudsondale Road; 36 ft N. of hwy.; 46 ft NW. of B. T. Co. of Pa. pole 196; on first step of church school; chiseled square 1327.95
- U.E., Hudsondale, 5.1 mi W. of; on W. side of Hudsondale Road; 300 ft S. of crossroad; 14 ft NW. of hwy.; on NW. abutment of bridge over Quackade Creek; chiseled square 1212.10
- MacAdoo, 3.7 mi S. of, thence 3.9 mi E.; 6.3 mi W. of Hudsondale; on S. side of Hudsondale Road; 57 ft W. of NW. corner of farmhouse; 36 ft SW. of B. T. Co. of Pa. pole 264; 30 ft E. of E. rail of L. V. RR.; 15 ft S. of hwy.; on culvert; standard tablet stamped "30 EWS 1942" 1279.931
- U.E., Hudsondale, 7.2 mi W. of; on N. side of Hudsondale Road; 45 ft S. of S. rail of L. V. RR.; 24 ft W. of B.T. Co. of Pa. pole 292; 15 ft N. of hwy.; on culvert; chiseled square 1279.35
- U.E., Hudsondale, 9.1 mi W. of; on N. side of Hudsondale Road; 51 ft E. of junction of dirt rd. N.; 18 ft N. of hwy.; 10 ft E. of P. P. & L. Co. pole 10854; on culvert; chiseled square 1220.23
- Hudsondale, 10.0 mi W. of; 3.7 mi S., thence 1.4 mi E. from MacAdoo; on N. side of Hudsondale Road; 170 ft N. of hwy.; 33 ft N. of T.W.P. pole 4176; 21 ft N. of N. rail of L. V. RR.; in conglomerate outcrop; standard tablet stamped "29 EWS 1942" 1299.757
- Reference mark; 75 ft E. of tablet; 170 ft N. of hwy. centerline; 21 ft N. of N. rail of L. V. RR.; on boulder; chiseled square 1299.25

LINE 4.

E. W. Smith, 1942; Book B 9605

"N 40 1934" (NGS) *at 8195 Hall* 874.936

U.E., Tamaqua, 2.0 mi N. of; 86 ft NE. of intersection of State Highway 45; 32 ft E. of State Highway 29; on culvert; chiseled square 1136.04

Hauto, 4.5 mi W. of; 2.0 mi N., thence 1.0 mi E. from Tamaqua; 32 ft S. of State Highway 45; 12 ft S. of guardrail; in boulder; standard tablet stamped

1942

LINE 4 (Cont'd.)Feet

Nesquehoning; on N. side of Catawissa Street; 56 ft N. of hwy.; in first step of Nesquehoning High School; standard tablet stamped "35 EWS 1942"	819.779
Reference mark; 141 ft SE. of tablet; 45 ft SE. of intersection of Catawissa and Almond Streets; 42 ft S. of hwy.; on catch basin; chiseled square	821.68
U.E., Nesquehoning, 1.2 mi E. of, along C.R.R. of N.J.; about 400 ft E. of overhead bridge; 15 ft S. of centerline of eastbound track; about 1 ft above top of S. rail; on boulder; chiseled square	707.92
Nesquehoning, 2.0 mi E. of; 1.0 mi W. of Nesquehoning Junction, along C.R.R. of N.J.; 10 ft S. of S. rail; 3.5 ft above top of rail; in shale outcrop; standard tablet stamped "36 EWS 1942"	656.181
Reference mark; 20 ft W. of tablet; 10 ft S. of S. rail; on shale outcrop; chiseled square	654.40

LINE 5.

E. W. Smith, 1942; Book B 9606

"R 40 1934" (NGS) <i>NE 8/95 Well</i>	807.315
U.E., Tamaqua, 1.0 mi S. of; 54 ft N. of intersection of Owl Creek Road; 30 ft E. of State Highway 29; 20 ft W. of B. T. Co. of Pa. pole 1597; on culvert; chiseled square	773.80
Tamaqua, 1.0 mi S. of, thence 1.7 mi E.; 11.7 mi W. of Mauch Chunk; on N. side of Owl Creek Road; 32 ft N. of B. T. Co. of Pa. pole 65 B-2; 24 ft N. of hwy.; 12 ft N. of concrete wall; in first step of Owl Creek School; standard tablet stamped "37 EWS 1942"	1093.265
Reference mark; 30 ft NE. of tablet; 46 ft N. of hwy.; 39 ft N. of concrete wall; on concrete window casement of Owl Creek School; chiseled square	1095.72
U.E., Tamaqua, 1.0 mi S. of, thence 2.8 mi E. of; on S. side of Owl Creek Road; 55 ft S. of B.T. Co. of Pa. pole 108; 30 ft S. of hwy.; on culvert; chiseled square	1142.07

1942

LINE 5 (Cont'd.)Feet

Reference mark; 60 ft SE. of tablet; 55 ft NE. of  
B. T. Co. of Pa. pole 1763; 15 ft N. of hwy.; on culvert;  
chiseled square 1073.00

U.E., Mauch Chunk, 2.4 mi W. of; at junction of T-rd.  
N.; 18 ft N. of Lentz Trail Road; 49 ft N. of B. T.  
Co. of Pa. pole 1718; on culvert; chiseled square 1038.84

Mauch Chunk, 1.8 mi W. of; 12 ft N. of Lentz Trail  
Road; in NE. abutment of bridge over Mauch Chunk  
Creek; PDH standard disk stamped "Q 192 1942" 871.301

U.E., Mauch Chunk, on N. side of W. Broad Street; 33 ft  
W. of B. T. Co. of Pa. pole 1639; 23 ft N. of hwy.;  
in shale outcrop; chiseled square 667.46

LINE 6.

E. W. Smith, 1942; Book B 9606

Tamaqua, 2.0 mi S. of; 33 ft E. of State Highway 29;  
33 ft S. of rd. underpass; 3 ft above level of rd.;  
in concrete wall; standard tablet stamped  
"42 EWS 1942" 741.756

Reference mark; 55 ft S. of tablet; 66 ft S. of underpass;  
33 ft E. of hwy.; on concrete wall; chiseled square 742.18

Tamaqua, 3.3 mi SE. of; 24 ft E. of State Highway 29; on  
concrete bridge over small stream; PDH standard disk  
not stamped *NK 3/25 Hall* 714.884

U.E., Tamaqua, 4.4 mi SE. of; 180 ft S. of intersection  
with New Lower Mahoning Road; 21 ft E. of State  
Highway 29; 40 ft N. of P.P. & L. Co. pole 16721;  
on culvert; chiseled square 811.55

Tamaqua, 5.0 mi SE. of; 12.6 mi W. of Lehigh; 36 ft  
W. of New Lower Mahoning Road; in NE. abutment of  
concrete bridge over small stream; PDH standard disk  
not stamped *NK 3/25 Hall* 759.987

Lehigh, 12.2 mi W. of; 5.1 mi SE. of Tamaqua; 45 ft  
W. of intersection of dirt rd.; 33 ft S. of New  
Lower Mahoning Road; on SW. abutment of bridge over  
Mahoning Creek; PDH standard disk not stamped 736.161

1942

LINE 6 (Cont'd.)Feet

Leighton, 3.7 mi W. of; 22 ft S. of New Lower Mahoning Road; on SW. abutment of concrete bridge; PDH standard disk not stamped	514.458
Reference mark; 55 ft NE. of tablet; 22 ft N. of hwy.; on NE. abutment of bridge; chiseled square	514.26
U.E., Leighton, 3.0 mi W. of; on S. side of New Lower Mahoning Road; 21 ft S. of hwy.; on culvert; chiseled square	562.47
Leighton, 3.0 mi W. of, thence 1.0 mi S.; 2.0 mi N. of Germans; on W. side of Mertz farm rd.; 27 ft W. of hwy.; in concrete post; standard tablet stamped "44 EWS 1942"	848.671