

THIRD-ORDER LEVELING  
SEA LEVEL DATUM OF 1929

PITTSFORD QUADRANGLE  
167 PENNSYLVANIA  
N4115-47545/15  
DIAGRAM NK 18-8  
SCRANTON

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Lackawanna, Luzerne and Wyoming Counties

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

Final adjustment of 1971

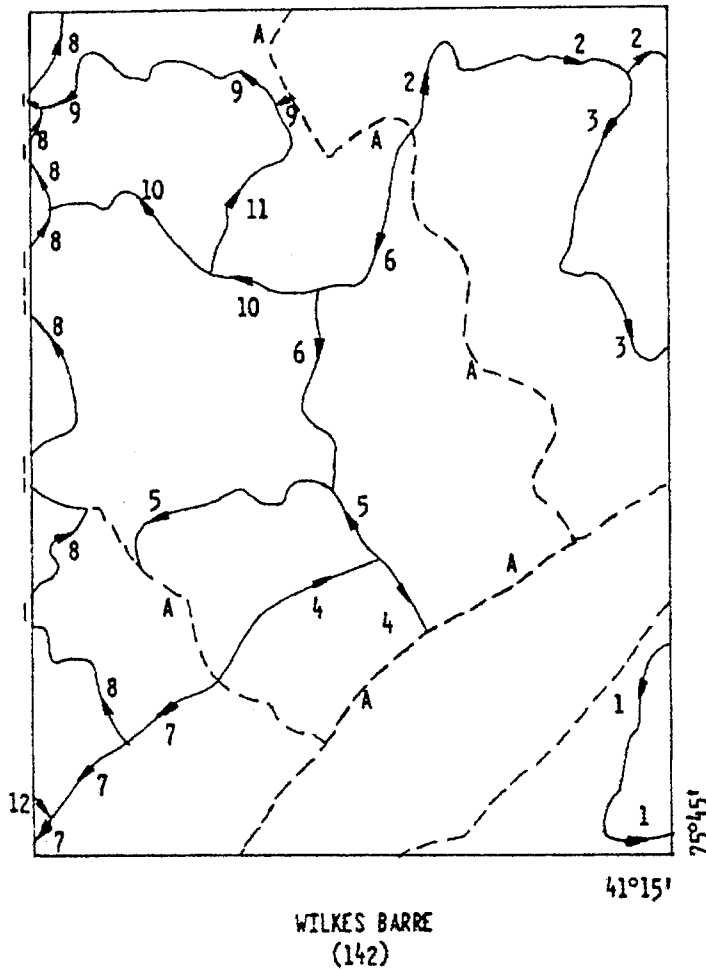
Edition of 8/14/72

PR: GWK/jyk

TUNKHANNOCK  
(191)

HARVEYS LAKE  
(168)

SCRANTON  
(166)



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 410753

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1942

LINE 1.Feet

J. P. Nielson, 1942; Book B 9774

U.E., Dupont; 1.0 mi SW. of intersection of State Highways 315 and 215; 425 ft NE. of crossroad; 27 ft SE. of, and about level with State Highway 315; on top of masonry catch basin; chiseled square	864.50
U.E., Dupont; 1.9 mi SE. of junction of State Highways 315 and 215, along State Highway 315; at underpass of Erie RR.; 15 ft SE. of, and about 2 ft higher than center of State Highway 315; on lower step of SE. retaining wall; chiseled square	908.41
Dupont, 2.5 mi S. of, along Lehigh Valley RR.; 0.13 mi S. of overhead bridge on State Highway 315; 55 ft W. of southbound track; in rock ledge; standard tablet stamped "TT 70 I 1932 927"	926.840
Reference mark; 84 ft N. of tablet; 35 ft W. of, and 2 ft higher than track; on rock outcrop; chiseled square	935.02
U.E., Dupont, 2.9 mi SW. of; at junction of rd. SE. to Westminster; on NW. headwall of small concrete bridge over branch of Mill Creek; chiseled square	876.97
U.E., Dupont, 3.0 mi SW. of, along State Highway 315, thence 0.4 mi SE. along tarvia rd. to second small masonry bridge over Mill Creek; on NW. corner; 12 ft SW. of, and 8 in. higher than rd.; chiseled square	901.76
U.E., Dupont, 3.0 mi SW. of, along State Highway 315, thence 1.3 mi SE. along tarvia rd.; 15 ft NW. of, and level with rd.; on masonry catch basin; chiseled square	994.98
Dupont, 3.0 mi SW. of, along State Highway 315, thence 2.0 mi SE. along tarvia rd. to large masonry bridge under L. V. RR.; at intersection of rd., RR., and creek; 130 ft E. of bridge; 125 ft S. of rd.; on S. bank of creek; about 5 ft above level of creek; in large outcrop; standard tablet stamped "27 JPN 1942 1035"	1035.450
Reference mark; 150 ft NW. of tablet; on E. side of bridge; on top of retaining wall between rd. and creek; chiseled square	1032.19

LINE 2.

E. B. Benson, 1942; Book B 9774

"Q 57 1934" (NGS)	585.776
U.E., Falls, 0.8 mi NE. of, along tarvia rd. to Mill City; 18 ft S. and 74 ft W. from junction of rd. NW.; on embedded rock; chiseled square	749.43
U.E., Falls, 1.6 mi NE. of, along tarvia rd. to Mill City; 1.8 mi SW. of Mill City, along U. S. Highway 6 and dirt rd.; 24 ft N. and 42 ft E. from junction of rd. E.; on embedded rock; chiseled square	763.73

1942

LINE 2 (Cont'd.)Feet

U.E., Mill City, 0.8 mi SE. of, along U. S. Highway 6; 260 ft SE. of junction of rd. S.; 12 ft N. of center of hwy.; on NW. wingwall to concrete bridge; chiseled square	764.95
Mill City, 0.1 mi SE. of; 40 ft N. and 50 ft E. from junction of rd. NE.; in S. wingwall in new concrete bridge; standard tablet stamped "43 B 1942 807"	807.541
Reference mark; 30 ft W. of tablet; on NW. wingwall of bridge; chiseled square	807.71
U.E., Mill City, 0.8 mi NE. of, along tarvia rd.; 260 ft SW. of junction of rd. SE.; 15 ft NW. of center of rd.; on SW. end of masonry headwall of culvert; chiseled square	843.90
Schultzville, 1.5 mi NW. of, along gravel rd.; about 150 ft S. of center of wooden bridge; 33 ft NW. of center of rd.; in top of embedded rock; standard tablet stamped "44 B 1942"	1045.408
Schultzville, 0.3 mi SE. of, along tarvia rd.; near E. corner of Scranton Airport; 130 ft N. and 40 ft W. from crossroad; in top of embedded rock; standard tablet stamped "45 B 1942 1123"	1122.678
Reference mark; 145 ft nearly S. of tablet; 6 ft S. and 30 ft W. from crossroad; on top of masonry headwall of culvert; chiseled square	1123.46

LINE 3.

E. B. Benson, 1942; Book B 9774

U.E., Newton Center, 1.0 mi NE. of, along State Highway 629; 30 ft N. and 20 ft W. from junction of rd. NW.; on NW. end of masonry headwall of culvert; chiseled square	1200.09
Newton Center, 0.4 mi NE. of, along State Highway 629; at Newton-Ransom High School; 220 ft W. of center of hwy.; on SW. side of new school building; in top of concrete step to basement entrance of school; standard tablet stamped "46 B 1942 1166"	1165.948
Reference mark; 122 ft nearly S. of tablet; on N. corner of concrete doorstep to basement entrance of old school building; chiseled square	1162.41
U.E., Newton Center, 0.4 mi S. of, along State Highway 629; 90 ft S. and 32 ft W. from junction of rd. W.; on NE. corner of concrete porch at basement entrance of church; chiseled square	1189.94
Milwaukee, in village of; about 250 ft E. of forks of rd. SE. to Taylor; 40 ft S. of center of rd.; in W. end of first concrete step of main entrance to Methodist Church; standard tablet stamped "47 B 1942 916"	916.403

Book B 9774

1942

LINE 3 (Cont'd.)Feet

Reference mark; 190 ft W. of tablet; on SE. corner of concrete bridge; chiseled square	907.86
U.E., Milwaukee, 1.0 mi SE. of, along tarvia rd. to Taylor; 9 ft S. and 30 ft W. from S. end of masonry retaining wall; 12 ft W. of center of rd.; on S. end of masonry headwall of culvert; chiseled square	1133.65
Mountain View School and Church, 0.26 mi SE. of; 3.5 mi NW. of Old Forge; 137 ft NE. of junction of rds.; in boulder; standard tablet stamped "TI 39 T 1932 1518"	1518.135
Reference mark; 85 ft S. of tablet; on embedded rock; chiseled square	1520.81

LINE 4.

E. B. Benson, 1942; Book B 9774

"C 57 1934" (MS)	889.404
U.E., Trucksville, 0.6 mi NE. of, along Carverton Road; 200 ft W. of junction of rd. S.; 18 ft N. of center of rd.; on E. end of concrete headwall of culvert; chiseled square	1045.87
U.E., Trucksville, 1.5 mi NE. of, along Carverton Road; 9 ft N. and 30 ft W. from crossroad; on concrete headwall of culvert; chiseled square	1084.01
Carverton, 2.2 mi SW. of; 2.3 mi NE. of Trucksville; on Carverton-Trucksville Road; 270 ft W. of farmhouse of H. F. Heffitt; at S. edge of orchard; 70 ft N. of rd.; in rock outcrop; standard tablet stamped "TI 63 T 1932 1147"	1147.145
Reference mark; 130 ft E. of tablet; 15 ft NW. of center of rd.; on NE. end of concrete headwall of culvert; chiseled square	1133.92
U.E., Carverton, 1.2 mi SW. of, along rd. to Trucksville; 430 ft W. of forks of rd. NW.; 15 ft S. of center of rd.; on W. end of concrete headwall of culvert; chiseled square	1074.80
Carverton; 2.5 mi NW. of junction of Wyoming Avenue and West Eighth Street; in Wyoming; on Orange-Wyoming Highway; 50 ft S. and 50 ft E. from concrete bridge over Abraham Creek; on property of Scranton Spring Brook Water Supply Company; on W. side of Abraham Creek; in top of large rock outcrop; standard tablet stamped "TI 60 T 1932 874"	873.881
Reference mark; 95 ft NE. of tablet; 18 ft N. of center of hwy.; on embedded rock; chiseled square	867.05
U.E., Carverton, 1.0 mi SE. of, along hwy. to Wyoming; 35 ft S. and 20 ft W. from junction of rd. NE.; on SW. wingwall of concrete bridge over Abraham Creek; chiseled square	681.13
U.E., Carverton, 1.5 mi SE. of; at West Wyoming; 90 ft S. and 33 ft W. of intersection of West Eighth and Main Streets; on E. corner of concrete base of flagpole; chiseled square	598.58
"C 55 1934" (MS)	552.971

Book B 9774

1942

LINE 5.feet

E. B. Benson, 1942; Book B 9774

U.E., Carverton, 1.2 mi NW. of, along Orange-Wyoming Highway; 33 ft N. and 16 ft E. from junction of rd. NE.; on SW. end of masonry headwall of culvert; chiseled square 1103.56

Carverton, 1.8 mi NW. of, along Orange-Wyoming Highway; 190 ft S. and 70 ft E. of junction of rd. W.; at NW. corner of flagstone porch to memorial shrine; standard tablet stamped "30 B 1942 1303" 1302.760

Reference mark; 90 ft NW. of tablet; 18 ft E. of center of rd.; on S. end of masonry headwall of catch basin; chiseled square 1296.10

Carverton, 1.1 mi SW. of, along tarvia rd. to Trucksville, thence 2.0 mi NW. along gravel rd.; 4.0 mi NE. of Dallas; 30 ft S. and 12 ft W. from junction of rd. NE.; in flagstone walk leading to farmhouse; standard tablet stamped "31 B 1942 1239" 1239.087

U.E., Dallas, 3.1 mi NE. of, along tarvia rd.; 50 ft S. and 45 ft E. from junction of rd. NE.; on W. end of embedded rock; chiseled square 1188.92

Goss School, 2.7 mi NE. of; 0.48 mi NE. of Fern Brook-Denonds Crossroad; at Methodist campground; 294 ft NE. of T-rd. SE.; in pasture owned by Emery Koszoru; in top of flat boulder; standard tablet stamped "T1 58 T 1932 1303" 1303.304

U.E., Dallas, 2.1 mi NE. of, along tarvia rd.; 12 ft S. and 50 ft W. from crossroad; on concrete foundation of corner fencepost; chiseled square 1277.53

U.E., Dallas, 0.6 mi N. of, along tarvia rd.; 53 ft W. of intersection of U. S. Highway 309 and tarvia rd. to Dallas; on concrete headwall of culvert; chiseled square 1221.85

LINE 6.

E. B. Benson, 1942; Book B 9774

"Q 57 1934" (NGS) (Also in line 2) 585.776

U.E., Falls, 1.0 mi SW. of, along State Highway 92; 18 ft NW. of center of hwy.; on NE. end of concrete headwall of culvert; chiseled square 606.71

Falls, 1.8 mi SW. of, along State Highway 92; 0.14 mi SW. of intersection of State Highways 92 and 292; 15 ft N. of center of hwy.; in E. end of N. parapet wall of new concrete bridge; standard tablet stamped "32 B 1942 595" 595.530

U.E., Falls, 1.7 mi SW. of, along State Highway 92, thence 1.1 mi SW. along State Highway 292; at break of hill; 400 ft NE. of junction of rd. N.; 75 ft SE. of center of hwy.; on rock outcrop; chiseled square 936.29

LINE 6 (Cont'd.)Feet

Falls, 3.5 mi SW. of, along State Highways 92 and 292, thence 0.2 mi SW. along old tarvia rd.; 2.9 mi SE. of Center Moreland; 30 ft N. and 18 ft E. from center of bridge; on E. side of stream; in top of rock outcrop; standard tablet stamped "33 B 1942 878"	878.477
U.E., Center Moreland, 2.5 mi SE. of; 2.0 mi NE. of Orange; 20 ft N. and 75 ft E. from crossroad; on embedded rock; chiseled square	1014.426
U.E., Orange, 1.5 mi NE. of; 27 ft S. and 28 ft W. from rd. intersection; on embedded rock; chiseled square	1116.94
U.E., Orange, 0.8 mi NE. of, along tarvia rd.; 16 ft N. and 48 ft W. from crossroad; on E. end of wingwall on concrete box culvert; chiseled square	1019.49
Orange, in village of; 20 ft S. and 27 ft E. from center of culvert; in N. end of concrete retaining wall in front of dwelling of H. C. Sicler; standard tablet stamped "34 B 1942 1130"	1130.294
Reference mark; 42 ft NW. of tablet; on N. end of W. headwall of concrete culvert; chiseled square	1127.05
U.E., Orange, 0.8 mi SE. of, along tarvia rd.; 25 ft S. and 37 ft E. from crossroad; on masonry headwall of culvert; chiseled square	1009.04
U.E., Orange, 1.3 mi SE. of, along tarvia rd.; 10 ft S. and 15 ft W. of forks of rd. E.; on embedded rock; chiseled square	1153.98

LINE 7.

E. B. Benson, 1942; Book B 9774

"C 57 1934" (MGS) (Also in line 4)	889.404
Hillside; 100 ft NW. of junction of State Highway 115 and U. S. Highway 309; about 0.5 mi S. of Trucksville; 25 ft N. of State Highway 115; in top of capstone at W. end of stone dam of Wilkes-Barre Water Company filter plant; 5 ft W. of W. corner of valve house; standard tablet stamped "TT 47 K 1932 813"	812.722
Reference mark; 30 ft NW. of tablet; 20 ft NE. of center of hwy.; on SW. edge of capstone to retaining wall of reservoir; chiseled square	812.65
U.E., Trucksville, 0.6 mi SE. of, along U. S. Highway 309, thence 1.2 mi SW. along State Highway 115; 20 ft S. and 35 ft W. from junction of rd. SW.; on NW. end of headwall of masonry bridge; chiseled square	916.95
U.E., Trucksville, 0.6 mi SE. of, along U. S. Highway 309, thence 1.2 mi SW. along State Highway 115, thence 1.0 mi SW. along tarvia rd.; 50 ft N. and 110 ft E. from Chase Crossroads; on masonry headwall of culvert; chiseled square	1067.38
Chase Crossroads, about 0.8 mi SW. of; 275 ft S. of Rome School; 35 ft N. and 60 ft W. from junction of rd. N.; on property of Lewellen Lozer and 250 ft E. of his dwelling; 8 ft NW. of 7-in. hickory tree; at edge of field; in rock ledge; standard tablet stamped "TT 42 K 1932 1111"	1111.192

Book B 9774

1942

LINE 7 (Cont'd.)Feet

- Reference mark; 25 ft SE. of tablet; on rock outcrop; chiseled square 1107.43
- West Manticoke, 3.0 mi N. of; 0.9 mi S. of Ceasetown; on edge of State Highway 139; 85 ft N. and 45 ft W. from center of stone arch hwy. bridge over East fork of Harvey Creek; at junction of public rd. NE. to Truckville; in small shoulder in sandstone ledge and about 15 ft higher than rd.; standard tablet stamped "TT 41 K 1932" 799.540

LINE 8.

E. B. Benson, 1942; Book B 9774

- U.E., Huntsville, 1.0 mi SW. of, along township rd.; 50 ft S. and 5 ft W. from junction of rd. S.; on embedded rock; chiseled square 1108.47
- Huntsville; about 0.1 mi N. of store and crossroad; on NE. edge of State Highway 115; at W. end of dam of Huntsville Reservoir of Scranton Spring Brook Water Supply Company; in top of SW. corner of capstone; standard tablet stamped "TT 43 K 1932 1137" 1137.107
- Reference mark; 95 ft N. of tablet; 8 ft W. of waters edge; on top of shelf of rock outcrop; chiseled square 1133.85
- U.E., Huntsville, 0.9 mi NW. of, along State Highway 115; 130 ft N. of junction of rd. N.; 15 ft E. of center of rd.; on top of masonry headwall of culvert; chiseled square 1194.69
- U.E., Huntsville, 0.9 mi NW. of, along State Highway 115, thence 1.0 mi NW. along tarvia rd.; 18 ft E. of center of rd.; in center of SE. masonry wingwall of concrete bridge; chiseled square 1144.58

[Jogs into Harveys Lake quadrangle]

- Dallas, 1.5 mi W. of; 2.0 mi in airline S. of Dallas triangulation station and fire tower; 2.0 mi nearly N. of Huntsville; on W. edge of Trucksville-Idetown Road; at point 225 ft N. of its junction with rd. to Lehman; 200 ft N. of dwelling of Joe Ransom and 40 ft N. of his barn; in large sandstone boulder in place; standard tablet stamped "TT 44 K 1932 1169" 1168.907
- U.E., Dallas, 1.7 mi NW. of, along State Highway 115 to crossroad, thence 0.1 mi N. along tarvia rd. to concrete hwy.; 30 ft N. and 145 ft E. from junction of rd. SE.; on W. end of N. headwall of concrete culvert; chiseled square 1268.96
- U.E., Dallas, 2.0 mi NW. of, along tarvia rd.; 24 ft N. and 3 ft W. from junction of rd. SW.; on embedded rock; chiseled square 1315.68

[Jogs into Harveys Lake quadrangle]

LINE 8 (Cont'd.)feet

U.E., Kunkle, 0.4 mi SW. of, along tarvia rd.; 21 ft N. and 6 ft W. from junction of rd. S.; on E. end of masonry headwall of culvert; chiseled square	1096.84
Kunkle, 0.3 mi NE. of; 2.2 mi SE. of Beaumont; 20 ft W. of center of U. S. Highway 309; at concrete bridge over Leonard Creek; 5 ft N. of S. end of W. parapet wall; standard tablet stamped "35 B 1942 1073"	1072.693
Reference mark; 60 ft W. of tablet; on N. end of E. parapet wall; chiseled square	1072.36
U.E., Beaumont, 1.1 mi SE. of, along U. S. Highway 309; 15 ft S. and 20 ft W. from crossroad; on top of angular concrete headwall of culvert; chiseled square	1026.63
Beaumont, in village of; 445 ft NW. of junction of rd. W.; 50 ft NE. of center of U. S. Highway 309; 8 ft lower than hwy.; in E. corner of concrete steps to main entrance of church; standard tablet stamped "36 B 1942 984"	984.463
Reference mark; 110 ft W. of tablet; on SE. end of concrete headwall of culvert; chiseled square	987.32
[Jogs into Harveys Lake quadrangle]	
Beaumont, 1.2 mi NW. of, along U. S. Highway 309, thence 1.6 mi NE. along dirt rd.; 2.4 mi SW. of Vernon; 80 ft N. and 15 ft W. from junction of rd. SE.; in ledge of rock; standard tablet stamped "37 B 1942 1414"	1414.066
U.E., Vernon, 2.4 mi SW. of, thence 0.7 mi N. along dirt rd.; 60 ft S. and 40 ft E. from junction of rd. W.; on top of rock outcrop; chiseled square	1331.13
[Jogs into Harveys Lake quadrangle]	
U.E., Rosengrant, 2.1 mi SW. of; 0.8 mi NE. of hwy. junction; 50 ft N. and 2 ft E. from junction of U. S. Highway 309 and private driveway NE.; on N. end of concrete headwall of culvert; chiseled square	841.91
Rosengrant, 0.7 mi SW. of; at concrete hwy. bridge over Bowman Creek; 18 ft SE. of center of hwy.; in N. end of S. concrete wingwall; PDH standard disk not stamped	677.168
<u>LINE 9.</u>	
E. B. Benson, 1942; Book B 9774	
"R 57 1934" (NGS) (Commonwealth of Pa. disk)	593.988
U.E., Whites Ferry; at W. landing; 45 ft nearly S. of SW. corner of Whites Store; 24 ft E. of center of rd.; on W. end of concrete retaining wall; chiseled square	584.30
U.E., Whites Ferry, 1.3 mi NW. of, along gravel rd.; 50 ft N. and 35 ft E. from junction of rds. SW. and NW.; on embedded rock; chiseled square	814.30

Book B 9774

LINE 9 (Cont'd.)Feet

Whites Ferry, 2.3 mi NW. of, along gravel and dirt rd.; at farm of Paul Corby; in SE. corner of concrete platform of well; standard tablet stamped "39 B 1942 1172"	1172.446
Reference mark; 70 ft W. of tablet; on top of concrete apron at garage entrance; chiseled square	1177.28
Tunkhannock, 5.0 mi SW. of; about 0.7 mi S. of crossing of U. S. Highway 309 and Bowman Creek; 10 ft N. and 60 ft E. from fork of rd. E. to Corby Hill; in rock ledge; standard tablet stamped "TT 75 TH 698"	698.088
Reference mark; 27 ft SW. of tablet; on SW. end of flat sandstone rock; chiseled square	692.48

LINE 10.

E. B. Benson, 1942; Book B 9774

U.E., Center Moreland, 2.5 mi SE. of; 2.0 mi N. of Orange; 20 ft N. and 75 ft E. from crossroad; on embedded rock; chiseled square	1014.426
U.E., Center Moreland, 1.2 mi SE. of, along tarvia rd.; 50 ft S. and 45 ft W. from crossroad; on embedded rock; chiseled square	1029.85
Center Moreland, in village of; about 470 ft NW. of crossroad; 21 ft NE. of center of rd.; 12 ft NW. of W. corner of dwelling of Carrie Schrader; in ledge outcrop; standard tablet stamped "41 B 1942 1275"	1274.763
Reference mark; 36 ft N. of tablet; 5 ft S. of W. corner of garage; on rock outcrop; chiseled square	1275.31
U.E., Center Moreland, 0.7 mi NW. of, along tarvia rd. to Vernon; 40 ft S. and 40 ft E. from junction of rd. E.; on embedded rock; chiseled square	1262.86
U.E., Center Moreland, 1.5 mi NW. of, along tarvia rd. to Vernon; 0.8 mi SE. of Vernon; 35 ft E. of junction of private field rd. E.; on rock outcrop; chiseled square	1191.00
Vernon, in village of; 65 ft N. and 48 ft E. from junction of rd. NE.; in SW. corner of concrete doorstep to Union Church; standard tablet stamped "40 B 1942 1082"	1081.621
Reference mark; 170 ft nearly S. of tablet; 24 ft E. of center of rd.; on top step of concrete steps to store; chiseled square	1081.70
U.E., Vernon, 1.0 mi SW. of, along dirt rd.; about 240 ft E. of rd.; 12 ft S. of center of rd.; on top of flat embedded rock; chiseled square	1325.27
U.E., Vernon, 1.7 mi NW. of, along gravel and dirt rd.; 15 ft S. and 50 ft W. from center of stone culvert; on embedded rock; chiseled square	1161.82

1942

LINE 10 (Cont'd.)LINE 11.feet

E. B. Benson, 1942; Book B 9774

Center Moreland, 2.5 mi NE. of, along tarvia rd.; 2.2 mi SW. of Whites Ferry; 80 ft N. and  
40 ft E. from junction of rd. NW.; 12 ft lower than rd. junction; in embedded rock;  
standard tablet stamped "42 B 1942 835"

834.616

Reference mark; 115 ft E. of tablet; 14 ft SE. of center of rd.; on NE. end of masonry  
headwall of culvert; chiseled square

831.50

U.E., Whites Ferry, 1.4 mi SE. of, along gravel rd.; 205 ft N. of junction of rd. W.; 15 ft  
E. of center of rd.; on S. end of E. headwall to large concrete culvert; chiseled square

610.53

U.E., Whites Ferry, 0.7 mi SE. of, along gravel rd.; opposite cottage; 15 ft W. of center of  
rd.; on S. end of masonry headwall of culvert; chiseled square

584.52

LINE 12.

B. B. Chamblin, 1942; Book B 9743

There are no permanent marks on this line in this quadrangle.