

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

37-082-12
MATEWAN QUADRANGLE
19 W. VA.-111 KY.-140 VA.
N3730-W8200/15
DIAGRAM NJ 17-7
JENKINS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Logan, Mingo, Counties, West Virginia;
Pike County, Kentucky; Buchanan County, Virginia

Final adjustment of 1974

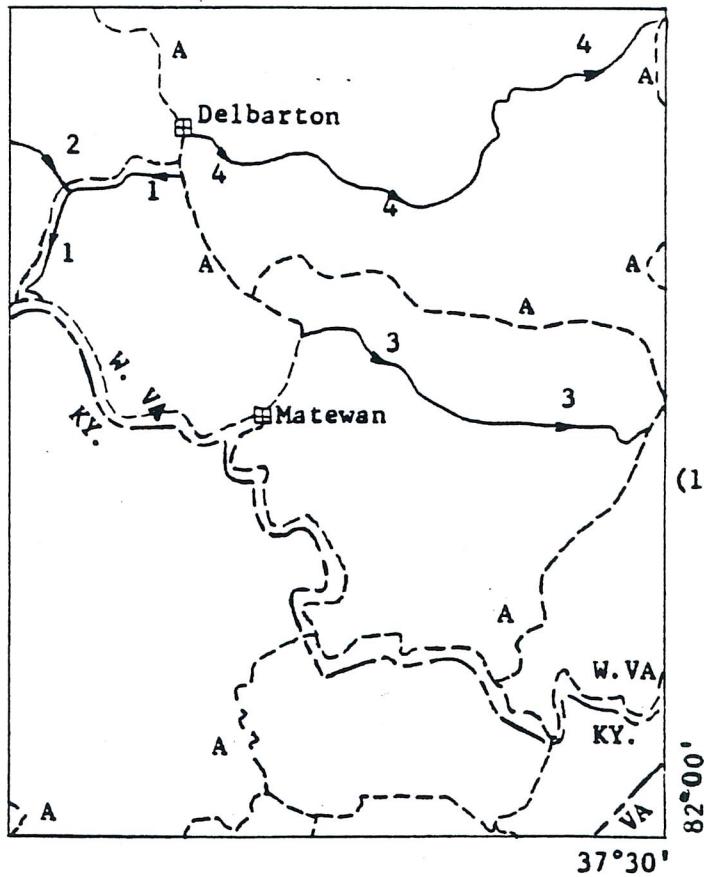
Edition of 6/13/77

PR: WSM/sws

HOLDEN
(29)

WILLIAMSON
(112 KY.-20 W. VA.)

GILBERT
(18 W. VA.-139 VA.-110 KY.)



HURLEY
(118 VA.-83 KY.)

NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370821

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MATEWAN QUADRANGLE

19 W. VA.-111 KY.-140 VA.

37-082-12

3

ISOLATED BENCH MARKS (By T. A. Green, 1909, S. R. Archer, 1915, G. W. Lucas, 1915; Books A8158, A8145, A9404, A9580, A9587)

Feet

Merrimac, W. of; 50 ft N. of RR.; on N. side of wagon rd.; in sandstone ledge; standard tablet stamped "677 1909"

676.621

Sycamore, 3.0 mi N. of; at summit at head of Lick Creek; on W. side of rd.; 40 ft S. of divide; in sandstone ledge; standard tablet stamped "1436 W VA 1909"

1435.173

Rockhouse; at junction of Pigeon and Rockhouse Creeks; 50 ft NW. of footbridge over Pigeon Creek; in sandstone ledge; standard tablet stamped "740 1909"

739.447

Ragland, 0.2 mi E. of; on S. side of wagon rd.; 20 ft N. of creek; 100 ft E. of rd. N. to Elk Creek; in sandstone boulder; standard tablet stamped "860 W VA 1909"

859.681

Ragland, 3.1 mi E. of; 75 ft S. of rd.; on S. side of creek; 50 ft E. of hollow leading S. at Harley Curry's place; in large flat sandstone rock; standard tablet stamped "1025 W VA 1909"

1024.305

Ragland, 6.1 mi NE. of; S. side of rd.; 300 ft E. of Victor Curry's house; in large sandstone boulder; standard tablet stamped "1384 W VA 1909"

1383.450

Oilville, 0.3 mi E. of; on S. side of rd.; 5 ft N. of fence; 150 ft W. of residence of Dave Robertson; in sandstone rock; standard tablet stamped "947 W VA 1909"

946.750

Oilville, 2.5 mi E. of; 0.5 mi S. of junction of Cow and Island Creeks; on E. side of rd.; 350 ft N. of residence of Lewis Chofin; in large sandstone boulder; standard tablet stamped "859 W VA 1909"

858.351

Calico, 2.0 mi SW. of; 150 ft E. of old church; 50 ft S. of rd.; on S. side of creek; in sandstone outcrop; standard tablet stamped "1269 W VA 1909"

1268.738

Calico, 4.8 mi SW. of; 40 ft S. of rd.; 50 ft E. of small stream running S.; in sandstone rock; standard tablet stamped "1119 W VA 1909"

1118.124

Varney, 0.9 mi W. of; on S. side of rd.; 75 ft W. of 6-by 6-by 7 ft sandstone boulder; in S. end of sandstone outcrop crossing rd.; standard tablet stamped "959 W VA 1909"

958.162

Varney, 3.8 mi W. of; 5 ft S. of rd.; on N. side of creek; 400 ft E. of rd. SW. to Matewan; at residence of Mary Taylor; in sandstone rock; standard tablet stamped "860 W VA 1909"

858.986

Red Jacket; at NE. corner of pumping station at mine; in N. face; standard tablet stamped "739 W VA 1909"

738.915

ISOLATED BENCH MARKS (Cont'd.)

	<u>FEET</u>
Devon, 0.7 mi W. of; in N. end of W. abutment of RR. bridge No. 924 over Beech Creek; standard tablet stamped "753 1909" (Tied by NGS, 1952)	758.706
Walker's mill; 2.5 mi NE. of; 115 ft N. of mouth of Grapevine Fork; on E. side of rd.; 60 ft NE. of store kept by Smith Hatfield; in sand- stone rock; standard tablet stamped "904 W VA 1909"	903.875
Hinch, 250 ft E. of residence of Bill Kennedy; on E. side of rd.; 350 ft W. of forks of rd.; 30 ft N. of 36-in. elm tree; in sandstone rock; standard tablet stamped "1212 W VA 1909"	1211.516
Hinch, 2.9 mi NE. of; 30 ft E. of rd.; on E. side of creek; in sand- stone outcrop; standard tablet stamped "1496 W VA 1909"	1495.385
Wharncliffe, 0.5 mi S. of; at corner of State line between Kentucky, Virginia, and West Virginia; on iron post; standard cap stamped "825"	826.697
Glenalum, 2.0 mi W. of; in N. end of bridge seat of W. abutment of RR. bridge 922; standard tablet stamped "790" (Not found, 1953)	789.248
Lindsey, 1.4 mi W. of; 730 ft W. of milepost 444; on N. side of RR.; in sandstone ledge; standard tablet stamped "778" (not found, 1953)	777.860
Cedar, 0.4 mi W. of; at RR. junction; in NE. corner of N. abutment of RR. bridge 2,141 over Tug River; standard tablet stamped "743" (Not found, 1953) (Tied by NGS, 1952)	743.201
Vulcan, 1.1 mi W. of; at Freeborn's station; in N. end of E. abutment of RR. bridge over Tug River; standard tablet stamped "727" (not found, 1953)	727.062
Thacker, 644 ft NW. of station; in N. end of W. abutment of RR. bridge 927; standard tablet stamped "712" (Not found, 1953)	711.715
Thacker, 3.4 mi NW. of; in W. end of bridge seat of N. abutment of Pike Collier electric RR. bridge over Tug River; standard tablet stamped "701" (Disturbed, 1953)	700.312
Merrimac, 0.2 mi NW. of; at coal tipple; in SW. foundation of water tank; standard tablet stamped "680" (Not found, 1953)	679.879
Merrimac, 2.2 mi NW. of; 300 ft E. of milepost 467; 75 ft N. of RR.; on N. side of county rd.; in sandstone ledge; standard tablet stamped "677"	676.621
Woodman, 0.2 mi N. of; 500 ft N. of mouth of Lone Elk Creek; in con- crete foundation of chimney of mill; standard tablet stamped "790" (Not found, 1953)	789.722
Mantwan, 1.6 miles NW. of; in N. end of W. abutment of RR. bridge 930 (State line bridge over Tug River) standard tablet stamped; "691" (not found, 1953)	690.507

ISOLATED BENCH MARKS (Cont'd.)Feet

McCarr station, 2.94 mi SW. of; 100 ft SE. of rd. forks at junction of Anderson Creek, Hatfield Branch, and Blackberry Creek; on right bank of creek; in 5-by 10-by 2 ft blue limestone rock; standard tablet stamped "749 1915" (Not found, 1953)	748.856
Ransom Post Office, 2.08 mi SW. of; at forks of Blackberry Creek; 25 ft S. of Aly Farrell's store; in 3-by 5-by 2 ft limestone boulder; standard tablet stamped "873 1915" (Destroyed, 1953)	873.323
Ransom Post Office, 4.79 mi W. of; 0.22 mi N. of gap between Rockhouse Creek and May Fork of Pond Creek; 30 ft NE. of turn in rd.; in 10-by 8-by 4 ft sandstone boulder; standard tablet stamped "1532 1915" (Destroyed, 1953)	1531.518
Stone, 150 ft NE. of Williamson & Pond Creek RR. station; in W. guardrail of small stone culvert; standard tablet stamped "782 1915"	781.702
Freeburn, 3.06 mi S. of; 140 ft S. of residence of Larcum McCoy (on E. side of rd.); 500 ft N. of residence of Perry Daniels (on W. side of rd. and Peter Creek); 500 ft E. of mouth of Robinett Branch W.; at intersection of rd. and Peter Creek (rd. to N. leaves creek); on E. side of rd. and creek; in rock ledge; standard tablet stamped "762 KY" (Not found, 1954)	762.285
Phelps Post Office, 850 ft N. of; 325 ft S. of SW. fence corner of Missionary School lot; opposite and 50 ft N. of residence of J. H. Charles; on E. bank of Peter Creek at water's edge; in face of large sandstone rock; standard tablet stamped "831 KY" (Not found, 1953)	830.748

LINE 1.

By R. H. Paine, 1959; Book AV 806

7 29 0.00	"X 142 1957" (NGS)	776.216
7 29 0.38	Delbarton, 0.5 mi S. of; 46 ft W. of U. S. Highway 119; 104 ft SW. of, and 6 ft lower than centerline of intersection of U. S. Highways 119 and 52 and State Highway 65 S.; 2 ft E. of SE. corner of Dolly's Service Station; in concrete post; NGS and State Survey disk stamped "Q 52"	768.302
7 34 1.84	Delbarton, 0.5 mi S. of, thence 1.8 mi W.; 150 ft NW. of crest of Buffalo Mountain; 16 ft NE. of U.S. Highways 119 and 52; 5 ft higher than centerline of old tram rd.; 3 ft lower than hwy.; in N. end of W. concrete abutment of small bridge over old tram rd.; standard tablet stamped "128 RHP 1959 1459"	1458.536

LINE 1 (Cont'd.)Feet

7 34	1.84	Reference mark; 80 ft S. of tablet; 4 ft lower than centerline of hwy. at crest; 11 ft higher than tram rd.; on SE. end of SW. concrete headwall of small bridge over old tram rd.; chiseled square	1463.86
7 37	3.11	U.E., 50 ft NE. of, and 8 ft higher than centerline of U.S. Highways 119 and 52 at curve and trail N.; 10 ft higher than hwy. at drain; in base on S. side of 18-in. walnut tree; rail spike	1061.45
7 39	3.79	Delbarton, 0.5 mi S. of, thence 3.8 mi W.; 4.2 mi E. of Chataroy; 282 ft NE. of intersection of U.S. Highways 119 and 52 and Buffalo Creek rd.; 6 ft lower than centerline of Y-rd. fork; at small concrete bridge over Buffalo Creek; in SE. end of NE. concrete abutment of bridge (between concrete railing of bridge and rock guard wall); standard tablet stamped "129 RHP 1959 936"	936.398
7 38	3.79	Reference mark; 67 ft W. of tablet; on SW. end of NW. concrete wheelguard of bridge; chiseled square	937.80
7 42	5.49	Delbarton, 0.5 mi S. of, thence 3.8 mi W., thence 1.7 mi SW.; 1.9 mi SE. and 1.8 mi NE. of Williamson; 0.4 mi NE. of rd. to Cinderella; 13 ft NW. of, and 3 ft higher than centerline of U.S. Highways 119 and 52; NW. of Cinderella School; in line with dirt rd. past school extended; in SE. face of large rock cut; standard tablet stamped "130 RHP 1959 859"	858.495
7 42	5.49	Reference mark; 20 ft NE. of tablet; on rock ledge below large rock cut; chiseled square	857.42
7 44	6.40	U.E., 245 ft NE. of, and 2 ft higher than centerline of grade crossing; 0.4 ft lower than centerline of rd. at drain; on NE. end of SE. concrete headwall of culvert; nail head in chiseled square	708.29
7 46	7.27	"C 34 1935" (NGS)	669.802

LINE 2.

By R. H. Paine, 1959; Book AV 806

7 54	3.21	U.E., Chataroy, 3.1 mi E. of; at dirt rd. N.; 1 ft higher than centerline of rd. at drain; on N. concrete headwall of culvert; chiseled square	825.84
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LINE 2 (Cont'd.)Feet

7 55 3.61	U.E., Chattaroy, 3.5 mi E. of, 1 ft higher than center-line of rd.; on S. concrete headwall of culvert; chiseled square	861.62
7 56 4.28	"Chiseled square" (Described in line 1)	937.80
7 56 4.28	"129 RHP 1959 936" (Described in line 1)	936.398

LINE 3.

By R. H. Paine, 1959; Book AV 806

8 2 0.00	"T 145 1957" (NGS)	782.469
8 2 0.14	U.E., Red Jacket, 0.4 mi W. of; 80 ft E. of, and 0.2 ft lower than centerline of Y-rd. junction; on S. concrete headwall of culvert; chiseled square	790.38
8 3 0.58	U.E., near post office at Red Jacket; 35 ft SE. of, and 0.5 ft higher than centerline of T-rd. junction; on S. concrete headwall of culvert chiseled square	806.45
8 4 1.69	Red Jacket, 1.1 mi E. of post office; 2.4 mi W. of post office at Newtown; 100 ft SE. of, and 3 ft higher than centerline of grade crossing; 65 ft E. of paved rd.; at Island Creek Coal Company; set vertically in SW. face of concrete base of coal bin of Red Jacket Junior Tipple; standard tablet stamped "132 RHP 1959 861"	860.718
8 5 2.78	U.E., Red Jacket, 2.2 mi E. of; 85 ft SE. of, and 2 ft higher than centerline of T-rd. fork; 1 ft higher than centerline of rd.; on SW. concrete headwall of culvert; chiseled square	921.80
8 8 4.34	Newtown, 0.25 mi SE. of post office; 55 ft SE. of and 1 ft higher than centerline of Y-rd. junction; 10 ft S. of paved rd.; in SE. stone wingwall of small concrete bridge; standard tablet stamped "133 RHP 1959 1037"	1036.670
8 10 5.39	U.E., Newtown, 1.3 mi E. of; 25 ft SE. of, and 1 ft higher than centerline of Y-rd. junction; on SW. concrete wingwall of culvert; chiseled square	1141.74

LINE 3 (Cont'd.)Feet

8	11	6.15	Newtown, 2.1 mi E. of post office; 200 ft S. of small cemetery; 80 ft N. of, and 4 ft higher than centerline of paved rd.; 35 ft S. of dirt rd.; 80 ft E. of 34 in. sycamore tree; 4 ft E. of gas well; in concrete post; standard tablet stamped "134 RHP 1959 1249"	1248.760
8	13	7.32	U.E., Newtown, 3.2 mi E. of; 135 ft W. of, and 6 ft lower than centerline of T-rd. junction; on N. concrete headwall of culvert; chiseled square	1448.69
8	16	8.30	Newtown, 4.2 mi E. of post office; 300 ft SE. of, and 13 ft lower than centerline of rd. at saddle; 22 ft NE. of paved rd.; 4 ft higher than centerline of rd.; set vertically in S. face of rock cut; standard tablet stamped "135 RHP 1959 1742"	1742.543
8	20	10.24	"G 161 1957" (NGS)	1207.819

LINE 4.

By R. H. Paine, 1959; Book AV 806

8	22	0.00	"Y 142 1957" (NGS)	751.514
8	23	1.09	U.E., 0.5 ft lower than centerline of bridge floor; on E. stone wingwall of concrete bridge over Rockhouse Fork; chiseled square	775.73
8	24	1.85	Delbarton, 1.9 mi E. of; 300 ft E. of Lando School; 24 ft S. of paved rd.; 3 ft higher than centerline of rd.; 4 ft S. of telephone pole; set vertically in N. face of rock cut; standard tablet stamped "136 RHP 1959 805"	804.552
8	34	1.85	Reference mark; 65 ft NW. of tablet; on N. stone headwall of culvert; chiseled square	801.46
8	26	2.69	U.E., 28 ft NW. of, and 3 ft higher than centerline of T-rd. junction; on S. end of W. concrete railing of bridge; chiseled square	838.11
8	28	3.86	Delbarton, 3.9 mi E. of; at Ragland; 150 ft NE. of post office; 80 ft NE. of, and 4 ft higher than centerline of T-rd. junction; 5 ft higher than centerline of dirt rd. under bridge; in S. concrete wingwall of RR. overpass; standard tablet stamped "137 RHP 1959 890"	889.616

LINE 4 (Cont'd.)

			<u>Feet</u>
8 29	4.34	U.E., 2 ft higher than centerline of rd.; opposite Island Creek Mine No. 24; at drain; on S. stone headwall of culvert; chiseled square	926.40
8 31	5.61	Delbarton, 5.6 mi E. of; 1.75 mi E. of Ragland Post Office; 40 ft S. of paved rd.; 100 ft E. of drive to parking area; 2 ft N. of NW. corner of fence around swimming pool; in concrete post; standard tablet stamped "138 RHP 1959 996"	995.588
8 31	5.56	Reference mark; about 280 ft NW. of tablet; in centerline of paved rd. at dirt rd. SW.; nail head	984.54
8 32	6.22	U.E., 45 ft SE. of, and 0.7 ft lower than centerline of Y-rd. fork; on S. concrete headwall of culvert; chiseled square	1029.53
8 33	7.23	Delbarton, 7.2 mi E. of; 7.8 mi SW. of ^{Barnabas} Barabas; 147 ft SW. of, and 5 ft lower than centerline of grade crossing; 1 ft higher than centerline of bridge floor; in center of NW. concrete bridge over Rockhouse Fork; standard tablet stamped "139 RHP 1959 1105"	1105.048
8 33	7.23	Reference mark; 26 ft E. of tablet; on NE. end of SE. wheelguard of concrete bridge; chiseled square	1105.13
8 34	7.66	U.E., 20 ft SE. of, and 2 ft higher than centerline of rd. at telephone line crossing; in base on W. side of telephone pole; rail spike	1268.51
8 37	8.70	Barnabus, 6.3 mi SW. of; 8.7 mi E. of Delbarton; at Logan - Mingo County line; 130 ft W. of, and 7 ft higher than centerline of rd. at saddle; 6 ft S. of jeep trail; in rock outcrop; standard tablet stamped "140 RHP 1959 1699"	1698.592
8 37	8.70	Reference mark; 80 ft E. of tablet; on ledge rock; chiseled square	1696.44
8 39	9.62	U.E., opposite Chamber's Lake; 25 ft W. of, and 5 ft lower than centerline of rd.; on large concrete tile culvert; chiseled square	1389.84
8 41	10.93	Barnabus, 4.1 mi SW. of; 17 ft N. of, and 2 ft higher than centerline of graded rd.; in rock ledge outcrop; standard tablet stamped "141 RHP 1959 1217"	1216.725

MATEWAN QUADRANGLE

19 W. VA.-111 KY.-140 VA.

37-082-12

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LINE 4 (Cont'd.)Feet

8	44	13.22	Barnabus, 1.8 mi SW. of; at concrete bridge over Cow Creek; in W. end of N. concrete abutment of bridge; standard tablet stamped "142 RHP 1959 957"	956.675
8	44	13.22	Reference mark; 38 ft SE. of tablet; on E. end of S. concrete abutment of bridge; chiseled square	956.46
8	45	13.83	U.E., 0.5 ft higher than centerline of bridge floor on W. concrete wheelguard of bridge; chiseled square	914.64
8	46	14.40	U.E., on N. end of E. concrete abutment of bridge over Cow Creek; chiseled square	876.52
8	47	14.99	"A 35 1935" (NGS)	843.043

411 Ky.

#19 - Matewan Cd. W.Va.

H19WV

Bull. 496, p. 128

Station: TAYLOR

County: King

State: W.Va.

Observer: E. L. McRair

Year: 1909

Datum: 1927 F.S.D. by graph

Description:

On cleared knot at head of Sugar Camp Branch of Pigeon Creek, and is about 2.5 miles north of Matewan, W.Va., north of Horseshoe Bend of Tug River. It may be seen from a point a short distance below west end of first tunnel west of Matewan on Norfolk and Western Railroad.

Signal: Quadripod of usual form.

Station mark: A bronze triangulation tablet cemented in large rock, at east edge of knob flush with surface of ground.

Reference marks: No. 1 is a 26-inch chestnut oak tree, distant 34 feet, true azimuth $161^{\circ}08'$.

Latitude 37° 39' 45.53"

Longitude 82° 10' 51.06"

To Station	Azimuth	Back Azimuth	Distance Log. Meters	Miles
Dick	13° 00' 54"	192° 59' 11"	4.264579	
Canada	65° 05' 04"	244° 58' 28"	4.243748	
Chestnut camp	140° 31' 21"	320° 28' 45"	3.984499	
Bunyon	173° 50' 55"	353° 44' 53"	4.362789	
Rattlesnake	215° 02' 35"	35° 03' 16"	4.44895	
Browning	258° 22' 45"	95° 25' 37"	4.222959	
Elk	322° 26' 12"	142° 32' 39"	4.408003	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

THIRD-ORDER TRANSIT TRAVERSE
North American Datum of 1927

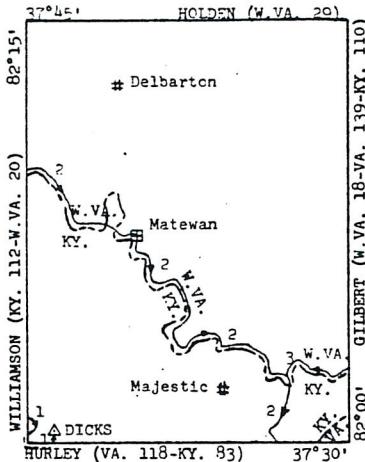
MATEWAN QUADRANGLE
W. VA. 19-KY. 111-VA. 140
N3730-W8200/15

Logan and Mingo
Counties, West
Virginia; Pike
County, Kentucky;
Buchanan County,
Virginia

Edition of 2/21/68
Supersedes edition
of 4/19/55

Plane coordinates are
based on Lambert
projection, West
Virginia, South Zone
and Kentucky, South
Zone

Azimuths to reference
points are geographic
azimuths reckoned
clockwise from true
south



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TT 101 TWC 1952	1	2	3137A
TT 54 CWH 1953	3	3	177A

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

LINE 1.

T. W. Cayce, 1952; Book AH 270 a
2542+. Centerline of rd. over
culvert at drain

W.Va. S.) X = 1,638,440 Y = 186,929 37 30 24.06 82 14 47.09
Ky. S.) X = 3,016,073 Y = 446,038

2547a. Centerline of rd. over drain

W.Va. S.) X = 1,637,803 Y = 185,955 37 30 14.35 82 14 54.83
Ky. S.) X = 3,015,490 Y = 444,932

↳ Jogs into Regina and Hurley quadrangles

2652+. Center of lookout tower

W.Va. S.) X = 1,643,854 Y = 184,733 37 30 03.07 82 13 39.54
Ky. S.) X = 3,021,591 Y = 444,118

2654. USCAGS standard triangulation station disk stamped
"DICKS 1933"

W.Va. S.) X = 1,643,850 Y = 184,856 37 30 04.279 82 13 39.618
Ky. S.) X = 3,021,580 Y = 444,240

LINE 2.

T. W. Cayce, 1952; Book AH 270 a

3016. Williamson, 2.3 mi SE. of station, along Norfolk and
Western Railway; near E. end of freight yards; 23 ft N. of N.
rail of N. track; in NE. corner of concrete foundation of
floodlight; USCAGS standard disk stamped "Z 46 1935"

W.Va. S.) X = 1,639,741 Y = 243,590 37 39 44.38 82 14 40.39
Ky. S.) X = 3,014,511 Y = 502,691

STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET	PLANE COORDINATES, FEET	° ' "	° ' "
3026+. Centerline of E. track at rd. crossing	W.Va. S.) X = 1,645,763 Y = 238,502 Ky. S.) X = 3,020,782 Y = 497,913	37 38 54.87	82 13 24.68
3028+. Centerline of E. track at rd. crossing to ballpark	W.Va. S.) X = 1,646,221 Y = 237,122 Ky. S.) X = 3,021,310 Y = 496,558	37 38 41.29	82 13 18.76
3032+. Centerline of W. track at rd. crossing	W.Va. S.) X = 1,647,823 Y = 234,519 Ky. S.) X = 3,023,041 Y = 494,040	37 38 15.77	82 12 58.41
3034. Williamson, 5.0 mi SE. of station, along N. & W. Ry.; at Merrimac; in NE. corner of concrete porch at entrance to Harold Thompson Grocery store; standard tablet stamped "TT 97 TWC 1952"	W.Va. S.) X = 1,647,791 Y = 234,347 Ky. S.) X = 3,023,018 Y = 493,866	37 38 14.06	82 12 58.77
3037+. Centerline of W. track under powerline crossing	W.Va. S.) X = 1,647,256 Y = 232,608 Ky. S.) X = 3,022,571 Y = 492,102	37 37 56.80	82 13 05.14
3042+. Centerline of W. track at rd. crossing to tipple	W.Va. S.) X = 1,654,634 Y = 230,648 Ky. S.) X = 3,030,039 Y = 490,517	37 37 38.37	82 11 33.12
3053a. Centerline of eastbound track at NE. tunnel entrance	W.Va. S.) X = 1,648,978 Y = 230,263 Ky. S.) X = 3,024,409 Y = 489,847	37 37 33.84	82 12 43.36
3058. Sprigg, 600 ft E. of station, along N. & W. Ry.; 30 ft S. or S. rail at rd. crossing; 9 ft NW. of telephone pole; in concrete post; standard tablet stamped "TT 98 TWC 1952". Azimuth to E. gable of Sprigg RR. station: 109°49'00"	W.Va. S.) X = 1,656,652 Y = 230,870 Ky. S.) X = 3,032,042 Y = 490,841	37 37 40.82	82 11 08.08
3058. Matewan, 1.3 mi NW. of station, along N. & W. Ry.; 700 ft SE. of tunnel entrance; 3 ft NW. of power pole; 2 ft E. of signal switch base; in concrete post; standard tablet stamped "TT 99 TWC 1952". Azimuth to center of first No. 1 in date "1914" marked on entrance to tunnel: 145°53'30"	W.Va. S.) X = 1,657,987 Y = 229,592 Ky. S.) X = 3,033,441 Y = 489,633	37 37 28.36	82 10 51.28
3062+. Centerline of N. track at dim rd. crossing	W.Va. S.) X = 1,659,373 Y = 227,730 Ky. S.) X = 3,034,919 Y = 487,842	37 37 10.12	82 10 33.76
3065a. Centerline of hwy. at spur track crossing	W.Va. S.) X = 1,661,257 Y = 228,871 Ky. S.) X = 3,036,743 Y = 489,077	37 37 21.64	82 10 10.53
3068a. Matewan; 354 ft SE. of SE. corner of station, along N. & W. RR.; at State Highway 49 underpass; 12 ft N. of centerline of hwy.; 20 ft SW. of SW. rail; in SW. corner of NW. abutment; USCAGS standard tablet stamped "F 47 1935"	W.Va. S.) X = 1,662,989 Y = 228,557 Ky. S.) X = 3,038,489 Y = 488,851	37 37 18.75	82 09 48.95
3072+. Centerline of westbound track at dim rd. crossing	W.Va. S.) X = 1,662,163 Y = 225,933 Ky. S.) X = 3,037,797 Y = 486,189	37 36 52.21	82 09 58.80
3081a. Matewan, 1.8 mi SE. of station, along N. & W. Ry.; 550 ft SE. of milepost N 459; 51 ft W. of centerline of eastbound track; in N. gate entrance to one-story white frame house; in concrete post; standard tablet stamped "TT 100 TWC 1952"	W.Va. S.) X = 1,665,295 Y = 223,626 Ky. S.) X = 3,041,041 Y = 484,043	37 36 30.29	82 09 19.52

STATION	DESCRIPTION	LATITUDE	LONGITUDE	STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	• ′ ″	• ′ ″		PLANE COORDINATES, FEET	• ′ ″	• ′ ″
3081a.	Centerline of middle track at driveway crossing			3152A.	Cedar, 1.1 mi SE. of station, along N. & W. Ry.; 5 rails W. of milepost N 449; 17 ft E. of concrete base of bridge 480; 11 ft N. of N. rail; in face of sandstone cliff; USC&GS standard disk stamped "P 47 1935"		
W.Va. S.) X = 1,665,354 Ky. S.) X = 3,041,100	Y = 223,623 Y = 484,044	37 36 30.27	82 09 18.79	W.Va. S.) X = 1,684,300 Ky. S.) X = 3,060,990	Y = 204,456 Y = 465,888	37 33 23.05	82 05 20.56
3083+.	Centerline of westbound track at rd. crossing			3153+.	Centerline of westbound track at hand-car crossing and shed		
W.Va. S.) X = 1,665,138 Ky. S.) X = 3,041,006	Y = 221,223 Y = 481,635	37 36 06.51	82 09 21.10	W.Va. S.) X = 1,685,634 Ky. S.) X = 3,062,323	Y = 204,428 Y = 465,897	37 33 22.92	82 05 04.00
3087+.	Centerline of westbound track at driveway crossing			3162A.	Devon, 0.7 mi NW. of station, along N. & W. RR.; 7 ft NE. of NE. rail; 2 ft SW. of NE. headwall of RR. bridge over Beech Creek; in NE. end of NW. abutment of bridge; standard tablet "753 1909 W VA"		
W.Va. S.) X = 1,665,485 Ky. S.) X = 3,041,518	Y = 217,921 Y = 478,355	37 35 33.91	82 09 16.28	W.Va. S.) X = 1,691,204 Ky. S.) X = 3,068,065	Y = 200,787 Y = 462,540	37 32 47.56	82 03 54.32
3096+.	Centerline of eastbound track over trestle			3166+.	Centerline of main track at Buchanan spur line		
W.Va. S.) X = 1,671,921 Ky. S.) X = 3,047,915	Y = 218,552 Y = 479,310	37 35 40.93	82 07 56.41	W.Va. S.) X = 1,691,562 Ky. S.) X = 3,068,590	Y = 197,482 Y = 459,257	37 32 14.93	82 03 49.40
3097.	Thacker; 105 ft NW. of station, along N. & W. Ry.; at NW. end of section-house line; 26 ft NE. of NE. rail; 20 ft S. of S. rail of spur track; 1 ft SE. of fenceline; in concrete post; USC&GS standard disk stamped "H 47 1935"			3168.	Devon, 1.23 ft SE. of E. corner of station, along N. & W. RR.; 60 ft E. of mail crane; 23 ft NE. of NE. rail; in face of sandstone cliff; USC&GS standard disk stamped "T 47 1935"		
W.Va. S.) X = 1,672,135 Ky. S.) X = 3,048,133	Y = 218,456 Y = 479,225	37 35 40.01	82 07 53.74	W.Va. S.) X = 1,691,805 Ky. S.) X = 3,068,836	Y = 197,398 Y = 459,185	37 32 14.12	82 03 46.38
3099+.	Point of switch on westbound track at Thacker yard limits			3182.	Devon, 1.4 mi SE. of station, along N. & W. Ry.; 0.3 mi W. of milepost N 445; 9 ft N. of N. rail of spur track across Tug Fork; 30 ft S. of S. rail of siding; in N. corner of W. abutment of RR. bridge; USC&GS standard disk stamped "V 47 1935"		
W.Va. S.) X = 1,673,199 Ky. S.) X = 3,049,308	Y = 216,247 Y = 477,073	37 35 18.30	82 07 40.19	W.Va. S.) X = 1,696,354 Ky. S.) X = 3,073,544	Y = 194,180 Y = 456,202	37 31 42.83	82 02 49.44
3103+.	Centerline of eastbound track over trestle			3184a.	Centerline of track at N. end of tunnel		
W.Va. S.) X = 1,674,241 Ky. S.) X = 3,050,523	Y = 212,789 Y = 473,672	37 34 44.24	82 07 26.72	W.Va. S.) X = 1,696,418 Ky. S.) X = 3,073,629	Y = 193,756 Y = 455,782	37 31 38.64	82 02 48.58
3105.	Delorme, 1.5 mi NE. of station, along N. & W. Ry.; 0.2 mi N. of milepost N 455; 69 ft W. of centerline of State Highway 49; 6 ft W. of W. rail; in W. corner of N. abutment of bridge No. 926; USC&GS standard disk stamped "J 47 1935"			3190+.	Center of RR. trestle		
W.Va. S.) X = 1,674,225 Ky. S.) X = 3,050,505	Y = 212,828 Y = 473,711	37 34 44.63	82 07 26.93	W.Va. S.) X = 1,695,431 Ky. S.) X = 3,072,849	Y = 189,700 Y = 451,682	37 30 58.44	82 03 00.25
3115+.	Centerline of westbound track at hwy. crossing			3194+.	Centerline of track opposite swinging bridge		
W.Va. S.) X = 1,669,079 Ky. S.) X = 3,045,547	Y = 209,240 Y = 469,867	37 34 08.53	82 08 30.30	W.Va. S.) X = 1,694,809 Ky. S.) X = 3,072,302	Y = 188,235 Y = 450,187	37 30 43.88	82 03 07.76
3121A.	Delorme, 0.4 mi SE. of station, along N. & W. Ry.; on W.Va.-Ky. State line; 150 ft SW. of SW. rail of main track; 8 ft N. of N. rail of spur track; in N. end of E. concrete pier of bridge 925 over Tug Fork; USC&GS standard disk stamped "M 47 1935"			3203a.	Centerline of track at NE. end of trestle		
W.Va. S.) X = 1,670,319 Ky. S.) X = 3,046,870	Y = 207,565 Y = 468,256	37 33 52.12	82 08 14.64	W.Va. S.) X = 1,691,915 Ky. S.) X = 3,069,516	Y = 186,181 Y = 447,990	37 30 23.25	82 03 43.38
3124+.	Centerline of middle track under powerline crossing			3205A.	Cross in top of large bolt in SE. concrete headwall of trestle No. 2503; stamped "BM RR"		
W.Va. S.) X = 1,671,452 Ky. S.) X = 3,048,111	Y = 205,386 Y = 466,138	37 33 30.72	82 08 00.25	W.Va. S.) X = 1,691,590 Ky. S.) X = 3,069,206	Y = 185,878 Y = 447,671	37 30 20.22	82 03 47.38
3128+.	Centerline of westbound track at sled crossing			3206+.	Center of RR. bridge		
W.Va. S.) X = 1,672,962 Ky. S.) X = 3,049,733	Y = 203,106 Y = 463,936	37 33 08.35	82 07 41.16	W.Va. S.) X = 1,691,562 Ky. S.) X = 3,069,209	Y = 185,273 Y = 447,065	37 30 14.23	82 03 47.64
3135+.	Centerline of westbound track at sled crossing			<u>Enters Hurley quadrangle</u>			
W.Va. S.) X = 1,675,820 Ky. S.) X = 3,052,448	Y = 205,866 Y = 466,837	37 33 35.98	82 07 06.08	<u>LINE 3.</u>			
3137A.	Vulcan, 1.0 mi E. of, along N. & W. Ry.; at Sands Siding; 100 ft S. of centerline of eastbound track; 12 ft E. of N. end of swinging bridge over Tug Fork; 3 ft W. of wire fence; in concrete post; standard tablet stamped "TT 101 TWC 1952"			C. W. Haas, 1953; Book AH 316 a			
W.Va. S.) X = 1,676,734 Ky. S.) X = 3,053,369	Y = 205,722 Y = 466,741	37 33 34.66	82 06 54.71	314A.	Glen Alum, 0.3 mi NW. of station, along N. & W. Ry.; 45 ft W. of switch box; 6 rails SW. of semaphore 4403; 6 rails NW. of semaphore 4406; 9 ft NE. of NE. rail; in face of sandstone cliff; USC&GS standard disk stamped "Y 47 1935"		
3144+.	Centerline of westbound track at cross-walk directly in front of Cedar RR. station			W.Va. S.) X = 1,709,424 Ky. S.) X = 3,086,371	Y = 198,614 Y = 461,290	37 32 28.09	82 00 07.80
W.Va. S.) X = 1,680,220 Ky. S.) X = 3,056,921	Y = 204,307 Y = 465,503	37 33 21.09	82 06 11.20	159+.	Centerline of track at drain		
3150+.	Centerline of westbound track directly opposite tool shed			W.Va. S.) X = 1,707,317 Ky. S.) X = 3,084,303	Y = 195,953 Y = 458,520	37 32 01.54	82 00 34.83
W.Va. S.) X = 1,681,765 Ky. S.) X = 3,058,489	Y = 203,808 Y = 465,082	37 33 16.34	82 05 51.95	167+.	Centerline of track at drain		
				W.Va. S.) X = 1,704,676 Ky. S.) X = 3,081,639	Y = 198,473 Y = 460,909	37 32 26.18	82 01 06.72

STATION	DESCRIPTION	LATITUDE ° ; "	LONGITUDE ° ; "
	PLANE COORDINATES, FEET		
177A.	Lindsey; 75 ft NE. of N. rail of N. & W. Ry.; in W. end of SE. stone abutment of abandoned bridge over Grant Branch; standard tablet stamped "TT 54 CWH 1953"		
W.Va. S.)	X = 1,700,206 Y = 199,160 37 32 32.49 82 02 02.32		
Ky. S.)	X = 3,077,138 Y = 461,370		
185+	Centerline of track at drain		
W.Va. S.)	X = 1,697,752 Y = 201,442 37 32 54.78 82 02 33.10		
Ky. S.)	X = 3,074,573 Y = 463,526		
201=3182.	"V 47 1935" (Described in line 2)		
W.Va. S.)	X = 1,696,354 Y = 194,180 37 31 42.83 82 02 49.44		
Ky. S.)	X = 3,073,544 Y = 456,202		

3
MATEWAN QUADRANGLE
W. VA. 19-KY. 111-VA. 140
N3730-W8200/15