

THIRD-ORDER LEVELING  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

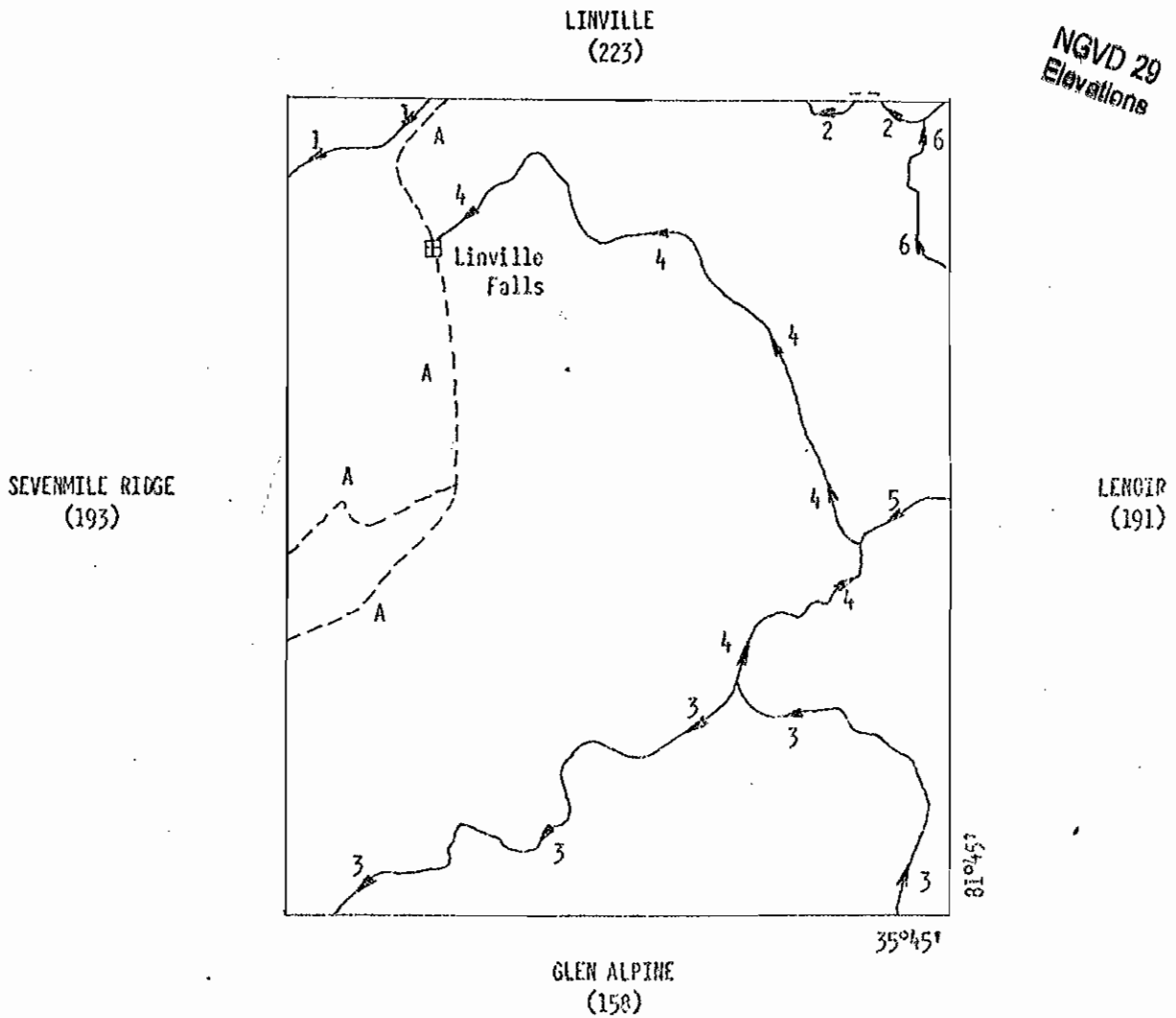
192  
35-081-44  
LINVILLE FALLS QUADRANGLE  
~~192 NORTH CAROLINA~~  
N3545-48145/15  
DIAGRAM NI 17-2  
CHARLOTTE

Avery, Burke, Caldwell, McDowell, and Mitchell Counties

Final adjustment of 1975

Edition of 4/10/75

PR: WSM/rmc



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 350814

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NGVD 29  
 Elevations

## ISOLATED BENCH MARKS (By W. D. D. Moore, 1899; Book 7630)

feet

North Cove, 2.5 mi NE. of; 200 ft S. of fork of Linville Falls and Morganton Roads; 10 ft W. of center of rd.; on iron post; standard cap stamped "1596 ASH" (Reported destroyed prior to 1935)	1595.188
Altamont, 1.0 mi SW. of; at rd. fork near Pisgah Church; on iron post; standard cap stamped "3407 ASH" (Reported not found, 1956)	3407.149
Linville Store, 250 ft W. of; 15 ft N. of center of rd.; on iron post; standard cap stamped "1365 ASH"	1363.795
Joy; 1.0 mi NE. of post office; in NW. angle of crossroads; on iron post; standard cap stamped "1198 ASH" (Reported destroyed, 1959)	1197.079
Piedmont Springs, 0.25 mi S. of hotel; 10 ft W. of rd.; 90 ft S. of ford of Upper Creek; standard tablet stamped "1217 ASH" (Reported not found, 1956)	1216.439

LINE 1.

By R. W. Goebel, 1934; Book B 5321

U.E., Altamont, 0.5 mi N. of; 2.5 mi S. of Crossnore; 65 ft W. of centerline of State Highway 28; on rock ledge; square cut (Tied by NGS, 1934)	3271.696
Altamont, 2.1 mi S. of; 300 ft SW. of junction of State Highway 194 and rd.; 10 ft below surface of rds.; in rock ledge; standard tablet stamped "GL 11 1934 3356"	3355.048
Reference mark; 16 ft E. of tablet; on rock ledge; square cut	3360.42

LINE 2.

By R. P. Willingham, 1936; Book B 6910

Edgemont, 2.0 mi E. of; 100 ft NW. of T-rd. S. to Mortimer; 120 ft NE. of rd. N.; at E. edge of C. C. C. camp grounds; 30 ft N. of centerline of rd.; in concrete post; standard tablet stamped "K 28 1934 1518"	1517.500
Reference mark; 30 ft SE. of tablet; in SW. base of 24 in. pine tree; copper nail and washer	1513.53
Edgemont, 0.4 mi S. of post office; 100 ft W. of intersection of T-rd. W. to Pineola; 20 ft NW. of NW. corner of residence; 30 ft SE. of RR. crossing; 12 ft S. of centerline of rd.; in concrete post; standard tablet stamped "K 29 1934"	1562.630
Reference mark; 120 ft E. of tablet; in SW. root of 6 in. sycamore tree; copper nail and washer	1553.82

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Elevations

1948-49

LINE 3.

Feet

By W. S. Monk, 1948-49; Book AV 48

Glen Alpine, 2.3 mi N. of; at Willow Tree School; 32 ft N. of State Highway 126; 70 ft E. of rd. N. to Oak Hill School; 295 ft W. of rd. S. to Glen Alpine; in concrete post; standard tablet stamped "1 WSM 1948 1201"	1200.591
Oak Hill, in centerline with T-rd. S. to Glen Alpine; 20 ft N. of State Highway 181; 15 ft E. of power pole; in concrete post; standard tablet stamped "2 WSM 1948 1327"	1326.416
U.E., Oak Hill, 0.6 mi N. of; at Quaker Meadows Methodist Church; 235 ft W. of NW. corner of church; 15 ft E. of State Highway 181; on N. end of concrete headwall of culvert; chiseled square	1266.06
U.E., Oak Hill, 1.2 mi N. of; at intersection of State Highway 181 and rd. to Worry Crossroads; 25 ft W. of hwy.; 35 ft SE. of SE. corner of Bud Orders Store, on concrete retaining wall; chiseled square	1294.77
Oak Hill, 2.1 mi N. of, at Table Rock Baptist Church; 40 ft E. of State Highway 181; 60 ft W. of SW. corner of church; 20 ft S. of power pole, in concrete post; standard tablet stamped "3 WSM 1948 1295"	1294.683
Zion Baptist Church, 0.9 mi W. of; 3.1 mi. E. of Mt. View Church, 20 ft S. of Pearidge rd.; 10 ft E. of field rd. S.; in concrete post; standard tablet stamped "4 WSM 1948 1309"	1308.231
Mount View Church, 1.3 mi E. of; 3.1 mi S. of Table Rock Post Office, at intersection of Pearidge rd. and rd. N. to State Highway 181; 22 ft N. of Pearidge rd.; 30 ft E. of rd. N.; 40 ft S. of SW. corner of farmhouse; in concrete post; standard tablet stamped "5 WSM 1948 1360"	1359.915
Mount View Church, 0.5 mi W. of, at intersection of Pearidge rd. and rd. NE. to Table Rock Post Office; 30 ft N. of rd.; 60 ft E. of rd. N.; 4 ft E. of R.E.A. power pole No. 98-81; in concrete post; standard tablet stamped "6 WSM 1948 1276"	1275.698
U.E., Rock Hill School, 3.6 mi E. of; 0.5 mi W. of intersection of Pearidge rd. and State Highway 126, on SW. corner of concrete headwall of culvert; chiseled square	1209.74
Rock Hill School, 2.6 mi E. of, at intersection of State Highway 126 and rd. N. to Shortoff Mountain; 35 ft N. of hwy.; 100 ft W. of rd. N., in concrete post; standard tablet stamped "7 WSM 1948 1231"	1230.808
U.E., Rock Hill School, 1.4 mi E. of; at steel girder bridge over Linville River; at NE. corner of bridge; on concrete abutment; chiseled square	1220.64
Rock Hill School; 1.4 mi S. of Linville River; 30 ft E. of State Highway 126; 90 ft N. of NW. corner of school; 130 ft S. of rd. intersection (drive to school and State Highway 126); 5 ft S. of 20 in. pine tree, in concrete post; standard tablet stamped "8 WSM 1948 1410" (Reported destroyed, 1956)	1409.303
Longtown, at intersection of State Highway 105 and rd. W. by way of South Mt. Institution; 20 ft S. of rd. E.; 80 ft E. of hwy.; 15 ft E. of rd. S. to farmhouse; in concrete post; standard tablet stamped "9 WSM 1948 1326"	1325.287

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Elevations

LINE 3 (Cont'd)Feet

South Mount Institution, 1.0 mi W. of; 140 ft W. of creek; 20 ft N. of rd.; 10 ft W. of field rd. N.; in granite ledge; standard tablet stamped "10 WSM 1948 1266"	1265.309
U.E., South Mount Institution, 2.2 mi W. of, at wooden bridge over creek; at NE. corner of bridge; on concrete abutment; chiseled square	1258.93
South Mount Institution, 3.2 mi SW. of; at wooden bridge over creek; at SE. corner of bridge; in E. end of concrete retaining wall; standard tablet stamped "11 WSM 1948 1236" (Reported destroyed, 1956) destroyed, 1956)	1235.142
U.E., South Mount Institution; 4.2 mi SW. of, at wooden bridge over creek; 30 ft N. of rd.; 25 ft W. of woods rd. N.; on E. edge of creek; on flint rock; chiseled square	1267.12
South Mount Institution, 4.7 mi SW. of; 355 ft W. of rd. to Mill Power Co. clubhouse; 90 ft E. of creek; 20 ft N. of rd.; 10 ft E. of woods rd.; in concrete post; standard tablet stamped "12 WSM 1948 1218"	1217.355

LINE 4.

By W. S. Monk, 1948; Book AV 48

"5 WSM 1948 1360" (Described in line 3)	1359.915
Table Rock Post Office, 0.6 mi W. of, at Mt. Grove Methodist Church; 20 ft N. of rd.; 55 ft E. of rd. N. to Table Rock Mtn.; 45 ft W. of rd. to farmhouse; 450 ft W. of drive to church; in concrete post; standard tablet stamped "14 WSM 1948 1279"	1278.680
Table Rock Post Office, 2.0 mi NE. of; 0.8 mi S. of Smyrna Baptist Church; at intersection of State Highway 181 and rd. SW. to Table Rock Post Office; 30 ft W. of hwy.; 40 ft N. of rd.; in concrete post; standard tablet stamped "15 WSM 1948 1126" <i>CAP MISSING 1999 N=907.</i>	1125.152
U.E., Smyrna Baptist Church, at steel girder bridge over Upper Creek; at SE. corner of bridge; on rock abutment; chiseled square	1093.65
Smyrna Baptist Church, 1.0 mi N. of, 30 ft E. of State Highway 181; 90 ft NE. of NE. corner of two-story house on W. side of hwy.; 30 ft N. of woods rd. E.; in concrete post; standard tablet stamped "16 WSM 1948 1196"	1195.217
Reference mark; 15 ft S. of tablet; on SE. corner of concrete headwall of culvert; chiseled square	1193.16
Smyrna Baptist Church, 3.0 mi N. of; 1.6 mi S. of forest rd. NE. to Mortimer; 20 ft E. of State Highway 181; 10 ft N. of blazed 15 in. oak tree; in concrete post; standard tablet stamped "17 WSM 1948 1536"	1536.160
U.E., Smyrna Baptist Church, 4.0 mi N. of; 0.6 mi S. of rd. NE. to Mortimer; 15 ft E. of State Highway 181; on S. end of concrete headwall of culvert; chiseled square	1677.31
Smyrna Baptist Church, 4.6 mi N. of, at intersection of State Highway 181 and forest rd. NE. to Mortimer; 80 ft N. of hwy.; 30 ft N. of rd.; 130 ft NW. of rd. intersection; in concrete post; standard tablet stamped "18 WSM 1948 1661"	1660.959

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Elevations

LINE 4 (Cont'd)

Feet

U.E., Smyrna Baptist Church, 5.7 mi N. of; 50 ft S. of old rd.; 30 ft E. of State Highway 181; on S. end of concrete headwall of concrete culvert; chiseled square	2095.88
Smyrna Baptist Church, 6.7 mi N. of, at a turnout on State Highway 181 near crest of hill; 40 ft N. of hwy.; 15 ft N. of 10 in. blazed pine tree; in concrete post; standard tablet stamped "19 WSM 1948 2473"	2472.293
U.E., Smyrna Baptist Church, 7.6 mi N. of, at turnout on State Highway 181; 15 ft S. of culvert; on rock ledge 3 ft above ground; chiseled square	2729.99
Smyrna Baptist Church, 8.7 mi N. of, 2.0 mi SE. of Boiling Springs Hotel; at intersection of State Highway 181 and rd. to Upper Creek; 40 ft N. of hwy.; 10 ft W. of Upper Creek rd.; 10 ft S. of blazed 18 in. oak tree; in concrete post; standard tablet stamped "20 WSM 1948 2869"	2868.196
Boiling Springs Hotel, 130 ft N. of NE. corner of hotel; 45 ft N. of State Highway 181; 4 ft N. and 1 ft E. of corner fence post; in concrete post; standard tablet stamped "21 WSM 1948 3462"	3461.754
Boiling Springs Hotel, 0.5 mi NW. of, at concrete culvert over Upper Creek; 15 ft N. of State Highway 181; on E. end of headwall of concrete culvert; chiseled square	3438.98
U.E., Jonas Ridge, 1.3 mi S. of, 480 ft S. of rd. E. (Joe Pore rd.); 15 ft E. of State Highway 181; on N. end of concrete headwall of culvert; chiseled square	3642.78
Jonas Ridge, 40 ft S. of SE. corner of Jonas Ridge Methodist Church; 80 ft NE. of NE. corner of post office; 40 ft N. of rd.; 11 ft E. of 40 in. oak tree; in concrete post; standard tablet stamped "22 WSM 1948 3841"	3840.718
Jonas Ridge, 1.2 mi NW. of, at intersection of State Highways 181 and 183; 15 ft N. of State Highway 183; 100 ft W. of NW. corner of wooden bridge; 25 ft W. of trail to Scenic Highway; on granite outcrop; chiseled square	3506.82
Linville Post Office, 3.9 mi NE. of; 2.5 mi N. of Linville River; 38 ft E. of State Highway 183; 139 ft S. of rd. to Scenic Highway, in rock; standard tablet stamped "RESEI 1951" (Replaces 23 WSM 1948 3455)	
Linville Post Office, 1.3 mi NE. of, at steel girder bridge over Linville River; 75 ft N. of NE. corner of bridge; 25 ft E. of State Highway 183; 30 ft S. of field rd. E.; in concrete post; standard tablet stamped "24 WSM 1948 3184"	3184.078
"A 61 1934" (NGS)	3325.207

NGVD 29  
3464.942  
(1056.116 M.)  
1056.073-NGV  
88

LINE 5.

By W. S. Monk, 1948; Book AV 48	
U.E., chiseled square (Described in line 4)	1093.65

NGVD 29  
Elevations

1948

LINE 6.

Feet

By W. S. Monk, 1948; Book AV 48

Mortimer, 4.1 mi S. of, at intersection of forest rd. SW. to State Highway 181 and rd. S. to ford of Wilson Creek; 65 ft N. of rd. intersection; 20 ft W. of rd. to Mortimer; in rock outcrop; standard tablet stamped "28 WSM 1948 1410"	1410.008
Mortimer, 2.0 mi S. of, at concrete bridge over Harpers Creek; 90 ft N. of NE. corner of bridge; 130 ft N. of centerline of Harpers Creek; 45 ft W. of rd.; in concrete post; standard tablet stamped "29 WSM 1948 1464"	1464.097
Reference mark; 90 ft S. of tablet; at NE. corner of concrete bridge, on concrete abutment; chiseled square	1456.09
U.E., Mortimer, 1.0 mi S. of, 280 ft SW. of SE. corner of boiler room at abandoned mill; 10 ft W. of rd.; on rock outcrop; chiseled square	1481.38
"K 28 1934 1518" (Described in line 2)	1517.500

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Elevations