

...ICAL DATUM OF 1929

35-081-41  
LENOIR QUADRANGLE  
NORTH CAROLINA  
N3545-WB130/15  
DIAGRAM HI 17-2  
CHARLOTTE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Burke and Caldwell Counties

Final adjustment of 1975

Edition of 4/9/75

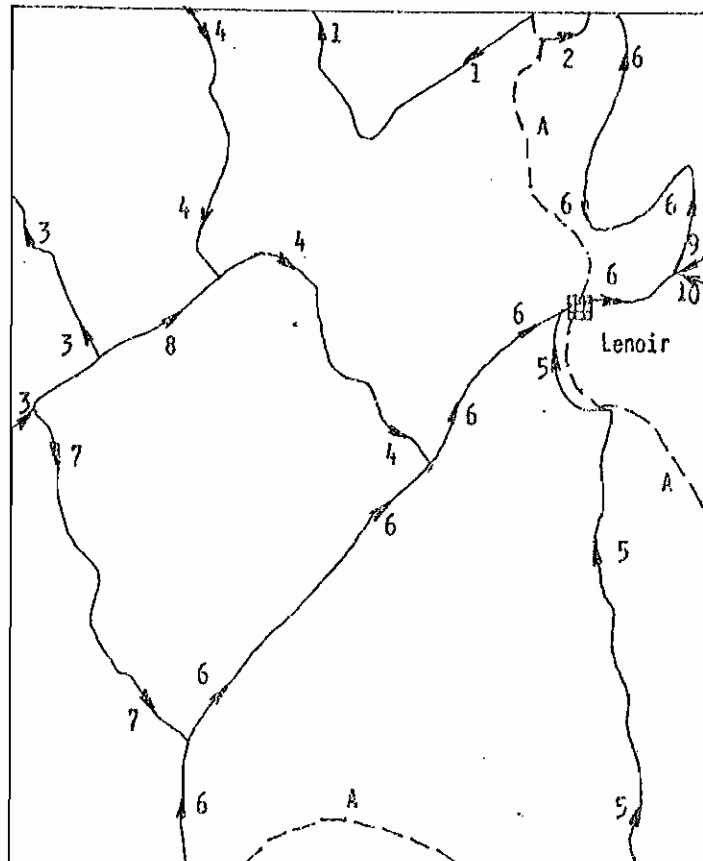
PR: WSM/rmc

NGVD 29  
Elevations

BOOMER  
(22)

LIRVILLE FALLS  
(192)

GRANITE FALLS  
(190)



VALDESE  
(157)

NGS (USCRGS) VERTICAL CONTROL DATA

A. Quadrangle 350814

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>	<u>MARK (USGS)</u>	<u>PAGE NO.</u>
1182	3	103 ATA 1950 1108	4
1193	3	104 ATA 1950 1037	8
1078 ASH	3	105 ATA 1950 1113	8
1098 ASH	3	106 ATA 1950 1127	8
1195 ASH	3	107 ATA 1950 1105	7
K 18 1934 RESET 1951	3	108 ATA 1950 1169	7
K 19 1934	3	1 ATA 1951 1164	7
K 20 1934	3	2 ATA 1951	7
TT 5 TWC 1947 1033	6	3 ATA 1951 1174	7
TT 7 TWC 1947 1080	5	4 ATA 1951	7
TT 8 TWC 1947 1152	5	5 ATA 1951 1204	7
TT 9 TWC 1947 1337	4	6 ATA 1951 1249	5
TT 10 TWC 1947 1107	4	7 ATA 1951 1013	5
25 WSM 1948 1070	4	8 ATA 1951 1216 RESET 1951	5
26 WSM 1948 1073	4	9 ATA 1951 1323	5
27 WSM 1948 1257	4	10 ATA 1951 1312	6
95 ATA 1950 1033	6	11 ATA 1951 RESET 1968	6
96 ATA 1950 1013	6		
97 ATA 1950 1076	6	<u>NGS</u>	
98 ATA 1950 (Reset 1960)	5,6	1130.447 LENOIR 1933	7
99 ATA 1950 1087	6	PATTERSON 1933	3
101 ATA 1950 1202	4		
102 ATA 1950 1209	4		

NGVD 29  
Elevations

	<u>Feet</u>
ISOLATED BENCH MARKS (By W. A. Hall, and W. S. Moore, 1897, and 1899; Books 5024; 7630)	
Drexel, 15 ft N. of N. rail; 0.1 mi E. of milepost 74; on iron post; standard cap stamped "1193" (Tied by NGS, 1935) (Reported destroyed, 1950)	1191.796
Collettsville, 1.5 mi E. of SE. corner of Moore's Store; on iron post; standard cap stamped "1098 ASH" (Reported not found, 1951)	1096.907
Lenoir, W. front face of county courthouse; in brick water table 2.5 ft above ground and 7 ft N. of SW. corner of building; standard tablet stamped "1182" (Tied by NGS, 1933)	1182.117
Gamewell, on opposite side of rd. from former post office; 2 ft W. of NW. corner of building; on iron post; standard cap stamped "1078 ASH" (Reported not found, 1951)	1077.000
Hartland, 0.2 mi W. of former post office, in angle of Courtney store building; on iron post; standard cap stamped "1195 ASH" (Reported not found, 1951)	1194.379

LINE 1.

By R. P. Willingham, 1936; Book B 6910	
"PATTERSON 1933" (NGS)	1252.862
Patterson, 2.8 mi W. of; 11 ft W. of drive to barnyard of Willie C. Coffee; 25 ft NW. of center of rd.; 27 ft S. of gatepost; 1 ft E. of barbed-wire fence; in concrete post; standard tablet stamped "K 18 1934 RESET 1951"	1269.911
Reference mark; 115 ft SSW. of tablet; on NE. end of top step leading down to residence of W. C. Coffee; chiseled square	1269.74
Patterson, 5.0 mi NW. of; 150 ft E. of Y-rd. forks; 3 ft E. of SE. corner of old corncrib; 30 ft NE. of center of rd.; in concrete post; standard tablet stamped "K 19 1934" (Reported not found, 1956)	1164.112
Reference mark; 50 ft W. of tablet; at SE. corner of shed; in root on W. side of 14 in. walnut tree; copper nail and washer	1159.78
Rufus, 0.3 mi S. of post office; 60 ft S. of S. end of barn belonging to Lawrence Moore; 20 ft W. of center of rd.; 6 ft S. of apple tree, in concrete post; standard tablet stamped "K 20 1934"	1219.202
Reference mark; 35 ft N. of tablet; in root on N. side of 16 in. apple tree; copper nail and washer	1219.29

LINE 2.

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

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

NGVD 29  
Elevations

1948

LTN

LINE 3.

Feet

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

Smyrna Baptist Church, 2.9 mi E. of; at junction of rd. NE. to Collettsville and rd. S. to Worry; 30 ft N. of rd.; 10 ft W. of drive to farmhouse, in concrete post; standard tablet stamped "25 WSM 1948 1070" 1069.572

Smyrna, 5.2 mi E. of Baptist Church; at junction of old Wilkesboro Road and rd. N. to Brown Mt. Beach, 65 ft E. of SE. corner of wooden bridge over Wilson Creek; 40 ft SE. of rd. junction; 20 ft E. of rd.; 4 ft N. of telephone pole; in concrete post; standard tablet stamped "26 WSM 1948 1073" 1073.004

Reference mark; 65 ft W. of tablet; on concrete abutment; chiseled square 1068.77

Brown Mt. Beach, 1.2 mi N. of; 6.6 mi S. of Mortimer; at Wet Weather Water Falls; 15 ft N. of center of water falls; 5 ft E. of railroad bed; in rock boulder; standard tablet stamped "27 WSM 1948 1257" (Reported not found, 1956) 1256.603

LINE 4.

By A. T. Adams, 1950; Book AV 232

Collettsville, 5.7 mi N. of, along State Highway 90; 42 ft ESE. of junction of private drive NE.; 25 ft NE. of center of rd.; 7 ft NE. of ditch; in concrete post; standard tablet stamped "101 ATA 1950 1202" 1202.155

Reference mark; 30 ft NW. of tablet; on NW. end of concrete pipe culvert; chiseled square 1201.31

Collettsville, 3.4 mi N. of, along State Highway 90; 27 ft E. of junction of rd. NE.; 4 ft NW. of ditch; in concrete post; standard tablet stamped "102 ATA 1950 1209" (Reported not found, 1956) 1208.452

Reference mark; 50 ft SW. of tablet; on SE. side of rd.; on SE. end of concrete pipe culvert; chiseled square 1206.44

Collettsville, 1.0 mi NW. of, along State Highway 90; 100 ft NW. of junction of rd. W.; 4 ft N. of sign post; in concrete post; standard tablet stamped "103 ATA 1950 1108" 1107.216

Reference mark; 60 ft ESE. of tablet; on N. end of concrete base of gas pumps; chiseled square 1104.48

Collettsville, 1.0 mi NE. of post office, along State Highway 90; 14 ft NW. of center of hwy.; 9 ft NE. of powerline pole; 6 ft N. and 12 ft W. of T-rd. S.; in concrete post; standard tablet stamped "11 10 TWC 1947 1107" 1107.190

Reference mark; 90 ft NE. of tablet; on SW. end of concrete base of gas pumps; chiseled square 1107.022

Gamewell School, 5.7 mi NW. of, along Collettsville Road; 6 ft NW. of center of woods rd.; about 0.2 mi NW. of Y-rd.; at foot of hill; in concrete post; standard tablet stamped "11 9 TWC 1947 1337" 1336.163

NGVD 29  
Elevations

LINE 4 (Cont'd)Feet

- Reference mark; 27 ft NE. of tablet; on SW. side of 16 in. poplar tree; copper nail and washer 1337.92
- Gamewell School 4.3 mi NW. of, along Collettsville Road; 15 ft SW. of center of rd.; 18 ft SE. of center of driveway of G. C. Hauck; 32 ft E. of center of wooden bridge over stream; in concrete post; standard tablet stamped "TT 8 TWC 1947 1152" 1151.555
- Reference mark; 36 ft NW. of tablet; on W. edge of creek; on center of large conglomerate rock; chiseled square 1148.66
- Gamewell School, 2.1 mi NW. of, along Collettsville Road; 17 ft SE. of wooden bridge over stream; 23 ft NE. of mailbox of L. D. McLean; in concrete post; standard tablet stamped "TT 7 TWC 1947 1080" 1079.903
- Reference mark; 4 ft N. of tablet; on SE. wooden wingwall of bridge; copper nail and washer 1080.08
- Lenoir, 4.6 mi SW. of, along State Highway 18; 75 ft N. of centerline of hwy.; 41 ft NW. of stop sign in traffic island in County Road No. 1143; NW. quadrant of State Highway 18 and County Road No. 1183; in concrete endwall; standard tablet (Replaces "98 ATA 1950 1050 ") (Reset in 1960) 1059.791

LINE 5.

By A. T. Adams, 1951; Book AV 232

- Connelly Springs, 1.0 mi W. of, along U. S. Highway 70, thence 1.2 mi N. along rd. to Lenoir; 120 ft N. of junction of rd. E.; 6 ft N. of NW. corner of Rutherford College Baptist Church; 12 ft SE. of telephone pole; in concrete post; standard tablet stamped "6 ATA 1951 1249" (Reported destroyed, 1956) 1248.793
- Reference mark; 42 ft SE. of tablet; on SW. corner of steps to Rutherford College Baptist Church; chiseled square 1249.85
- Connelly Springs, 1.0 mi W. of, along U. S. Highway 70, thence 3.1 mi N. along rd. to Lenoir; 30 ft SE. of junction of rd. to boat club; 12 ft E. of telephone pole supporting danger sign; 18 ft SW. of center of hwy.; in concrete post; standard tablet stamped "7 ATA 1951 1013" 1013.052
- Reference mark; 380 ft SE. of tablet; on W. concrete abutment of bridge; chiseled square 1008.48
- Connelly Springs, 1.0 mi W. of, along U. S. Highway 70, thence 5.2 mi N. along rd. to Lenoir; at Baton Elementary School; in W. end of second step of main entrance to school; standard tablet stamped "8 ATA 1951 1216 RESET 1951" 1215.792
- Reference mark; 75 ft NW. of tablet; on SW. end of steps to school; chiseled square 1215.26
- Connelly Springs, 1.0 mi W. of, along U. S. Highway 70, thence 7.6 mi N. along rd. to Lenoir; 125 ft W. of junction of rd. SW.; in Bradshaw baseball field; 33 ft N. of center of rd.; 10 ft NE. of telephone pole; in concrete post; standard tablet stamped "9 ATA 1951 1323" 1323.410
- Reference mark; 120 ft SE. of tablet; on N. end of concrete base of gas pumps; chiseled square 1328.49

NGVD 29  
Elevations

LINE 5 (Cont'd)

Feet

Connelly Springs, 1.0 mi W. of, along U. S. Highway 79, thence 10.2 mi N. along rd. to Lenoir; about 300 ft SW. of junction of rd. W.; 19 ft NE. of center of private rd. to church; 42 ft E. of S. corner of brick church; 4 ft NW. of wooden curb; 5 ft E. of telephone pole; in concrete post; standard tablet stamped "10 ATA 1951 1312"	1311.908
Reference mark; 110 ft NE. of tablet; on NE. end of top step leading to basement of church; chiseled square	1313.92
Lenoir, 2.7 mi S. of station, along Carolina and Northwestern Railroad; in top of NE. wingwall of concrete structure; standard tablet stamped "11 ATA 1951 RESET 1968"	1258.698
Reference mark; 69 ft from Rt. Sta. 4 + 81 NC Highway Project No. 6.7320019; in root of 24 in. oak tree; RR. spike	1249.89

LINE 6.

By A. T. Adams, 1950 Book AV 232

Morganton, 2.6 mi N. of, along State Highway 18; on N. concrete wingwall of Catawba River Bridge; standard tablet stamped "95 ATA 1950 1033"	1032.715
Reference mark; 40 ft SE. of tablet; on E. guardrail of Catawba River Bridge; chiseled square	1033.72
Morganton, 4.5 mi N. of, along State Highway 18; on E. concrete wingwall of Johns River Bridge; standard tablet stamped "96 ATA 1950 1013"	1012.972
Reference mark; 24 ft NW. of tablet; on N. concrete wingwall of Johns River Bridge; chiseled square	1012.98
Morganton, 7.3 mi N. of, along State Highway 18; 33 ft S. of junction of woods rd. SE.; 3 ft NW. of telephone pole; 15 ft SE. of mailbox of R. E. McCall, in concrete post; standard tablet stamped "97 ATA 1950 1076"	1076.008
Reference mark; 42 ft NW. of tablet; on NW. side of State Highway 18, on SW. end of concrete pipe culvert under rd. N.; chiseled square	1078.19
Morganton, 8.8 mi NE. of, along State Highway 18; 15 ft NW. of center of rd.; 22 ft N. of junction of woods rd. W.; in concrete culvert; standard tablet stamped "11 5 TWC 1947 1033"	1033.500
Reference mark; 4 ft NE. of tablet; on NW. side of rd.; on NE. end of concrete headwall of culvert; chiseled square	1033.49
"98 ATA 1950 1058" (Described in line 4) (Reset in 1960)	1059.791
Reference mark; 8 ft NE. of tablet; on W. end of concrete pipe culvert; chiseled square	1055.42
Lenoir, 2.0 mi SW. of, along State Highway 18; at SW. end of triangular plot of ground formed by intersection of State Highways 18A and 18; 21 ft E. of rd. sign; 3 ft N. of stop sign, in concrete post; standard tablet stamped "99 ATA 1950 1087"	1087.226

NGVD 29  
Elevations

ZONE 6 (Cont'd)

Feat

Reference mark; 350 ft E. of tablet; on SE. side of State Highway 18; on SW. end of concrete head-wall of culvert; chiseled square	1072.86
"1130.447 LENOIR 1933" (NGS)	1130.300
Lenoir, 0.9 mi E. of, along U. S. Highway 321A; 78 ft N. of intersection of U. S. Highway 321A and State Highway 18; 9 ft N. of telephone pole; in concrete post; standard tablet stamped "107 ATA 1950 1105"	1104.824
Reference mark; 12 ft SE. of tablet; on center of concrete headwall of culvert; chiseled square	1102.77
Lenoir, 2.8 mi NE. of, along State Highway 18 from intersection with U. S. Highway 321; 33 ft SE. of SE. corner of Lower Creek Baptist Church; 12 ft W. of E. sidewalk into church; on W. side of creeping juniper bush; in concrete post; standard tablet stamped "108 ATA 1950 1169"	1169.159
Reference mark; 24 ft NE. of tablet; on SE. end of concrete curb; on NW. side of sidewalk leading to parking space; chiseled square	1169.35
Lenoir, 3.3 mi NE. of, along State Highway 18, thence 2.1 mi N. along rd. to Zachs Fork Road; 18 ft NW. of junction of Zachs Fork Rd. and rd. S.; 12 ft S. of gate to barnyard; 2 ft W. of SE. corner fence post; in concrete post; standard tablet stamped "1 ATA 1951 1164"	1164.243
Reference mark; 5 ft S. of tablet; on N. side of rd.; on W. end of corrugated iron pipe under drive to farmyard; chiseled cross	1162.98
Lenoir, 1.0 mi NE. of, along Zachs Fork Road; 90 ft SSW. of junction of Zachs Fork Road and U. S. Highway 321; 2 ft E. of N. corner of field; 8 ft E. of stop sign; in concrete post; standard tablet stamped "2 ATA 1951"	1215.308
Reference mark; 65 ft E. of tablet; on SW. side of U. S. Highway 321; on NW. end of concrete head-wall of culvert; chiseled square	1209.62
Lenoir, 1.0 mi NE. of, along Zachs Fork Road, thence 1.8 mi N. along U. S. Highway 321; 60 ft NE. of stop sign; 14 ft NW. of center of dirt rd.; 6 ft SE. of fence; in concrete post; standard tablet stamped "3 ATA 1951 1174" (Reported not found, 1956)	1174.185
Reference mark; 190 ft SE. of tablet; on NW. end of NE. concrete culvert headwall under U. S. Highway 321; chiseled square	1167.55
Patterson, 6.5 mi SE. of, along State Highway 268 and Indian Grave Road; 13 ft NE. of center of rd. at top of hill; 3 ft NW. of SW. fence corner of yard; 6 ft SW. of telephone pole, in concrete post; standard tablet stamped "4 ATA 1951"	1568.327
Reference mark; 320 ft NE. of tablet; on SE. side of rd.; on SE. end of concrete pipe culvert; chiseled square	1555.02
Patterson, 0.6 mi S. of, thence 3.1 mi E. along State Highway 268 and Indian Grave Road; 27 ft SW. of center of dirt rd.; 10 ft N. of telephone pole; in concrete post; standard tablet stamped "5 ATA 1951 1204"	1204.519

NGVD 29  
Elevation

LINE 6 (Cont'd)

feet

Reference mark; 0.3 mi SE. of tablet; on N. concrete wingwall of wooden bridge; chiseled square

1178.14

LINE 7.

By A. I. Adams, 1951; Book AV 232

Arneys Store, 2.8 mi N. of, along dirt rd.; 50 ft NW. of junction of rd. and private drive W.; 12 ft NE. of NE. gatepost; 4 ft SE. of fence; in concrete post; standard tablet stamped "104 ATA 1950 1037"

1037.186

Reference mark; 57 ft E. of tablet; on SE. edge of rd.; on SW. side of 24 in. white pine tree; copper nail and washer

1035.04

Arneys Store, 60 ft NW. of crossroads; 3 ft W. of stop sign; in concrete post; standard tablet stamped "105 ATA 1950 1113"

1112.256

Reference mark; 50 ft E. of tablet; on N. end of masonry headwall of culvert; chiseled square

1111.42

Arneys Store, 1.9 mi SE. of, along rd. to State Highway 18; 55 ft SE. of junction of rds.; 21 ft NW. of 6 in. white pine tree; 14 ft ESE. of stop sign; in concrete post; standard tablet stamped "106 ATA 1950 1127"

1126.983

Reference mark; 100 ft WSW. of tablet; on SE. side of rd.; on NE. end of masonry headwall of culvert; chiseled square

1124.90

LINE 8.

By A. I. Adams, 1951; Book AV 232

U. E., Collettsville, 1.8 mi SW. of; on SE. side of rd.; on SE. end of 5 ft corrugated iron pipe culvert; chiseled cross

1106.23

Collettsville, on NW. concrete wingwall of bridge; chiseled square

1105.38

LINE 9.

By A. I. Adams, 1951; Book AV 232

there are no permanent marks in this line in this quadrangle.

LINE 10.

By A. I. Adams, 1951; Book AV 246

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

NOVD 29  
Elevations