

THIRD-ORDER LEVELING  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

122 akers  
35-082-21  
LAKE LURE QUADRANGLE  
NORTH CAROLINA  
N3515-W8200/15  
DIAGRAM NI 17-1  
KNOXVILLE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

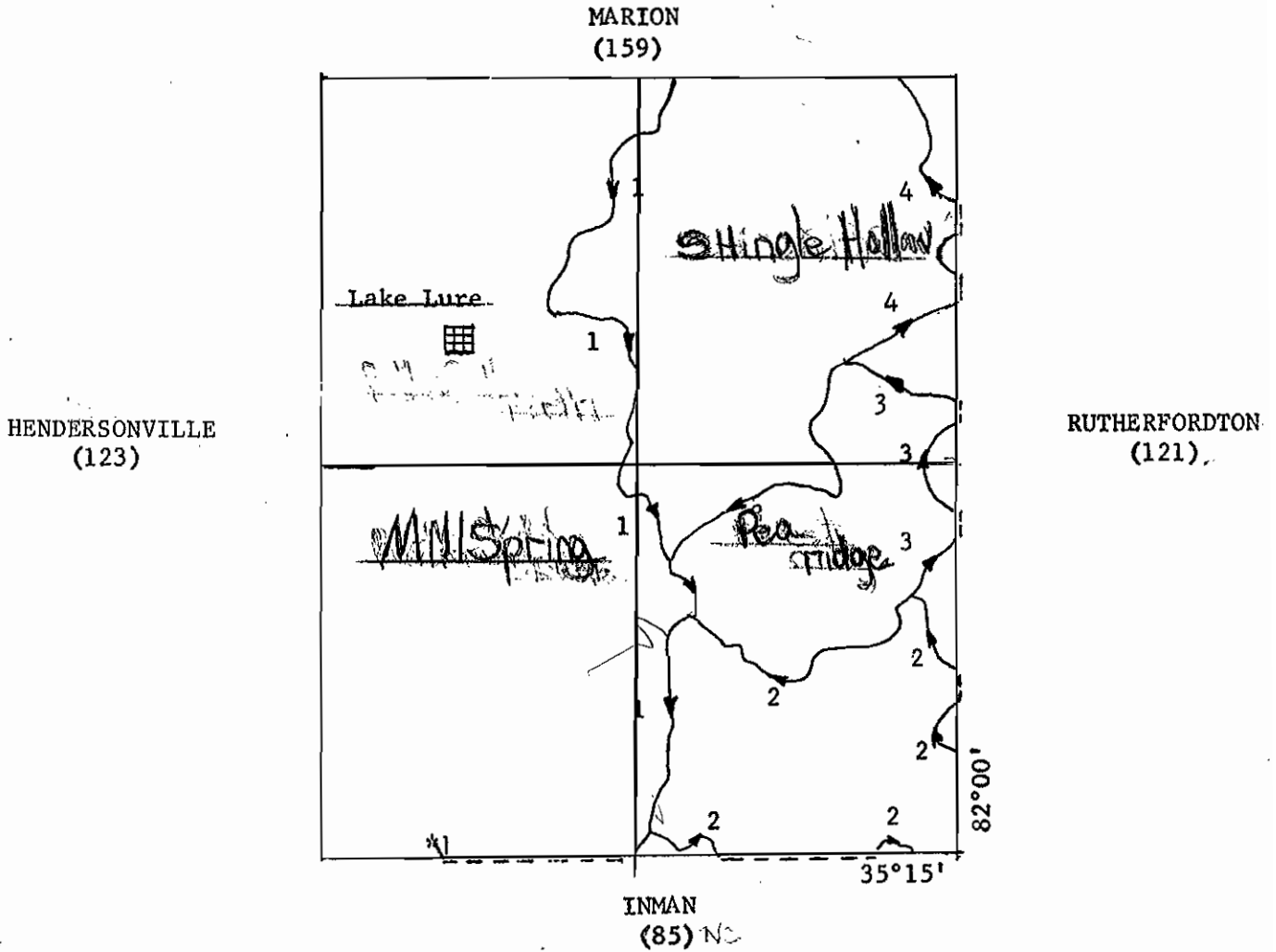
Buncombe, Polk, Rutherford Counties

Final adjustment of 1978

Edition of 7/27/78

PR: JRS/stc

NGVD 29  
Elevations



\*Tied to isolated mark

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NGVD 29  
Elevations

ISOLATED BENCH MARKS (By K.S. Parker, 1903; F.L. Foust, 1904;  
Bulletin 646)

Feet

Batcave, 3.2 mi E. of; 0.2 mi E. of Mountain View Inn; 400 ft E. of bridge over Broad River; N. side of rd.; in large granite boulder; standard tablet stamped "1040 ADJ" (Reported destroyed, 1956)	1040.072
McIntyre, 1.0 mi W. of former post office; 300 ft E. of cabin N. of rd.; 20 ft NE. of crossing Hickorynut Gap and Millspring rds.; on iron post; standard cap stamped "1000 ADJ" (Reported destroyed, 1956)	999.721
Poplar Grove; 0.2 mi N. of crossing of rd. and Walnut Creek; 100 ft W. of post office; 300 ft S. of rd. forks; at summit of long hill; on iron post; standard cap stamped "935 ADJ" (Reported destroyed, 1956)	934.480
Turners, 0.5 mi N. of former post office; 0.2 mi N. of residence of P. Brown; at summit of long hill; 10 ft W. of rd.; on iron post; standard cap stamped "1078 ADJ" (Reported destroyed, 1956)	1078.174
Turners, 2.0 mi N. of; 500 ft N. of rd. forks; 60 ft E. of store on hill; 15 ft W. of Dinsdale gristmill; in large granite boulder on edge of rd; standard tablet stamped "1031 ADJ" (Reported destroyed, 1956)	1030.678
Turners, 3.0 mi S. of; 1.4 mi S. of rd. crossing of Green River; 150 ft S. of residence of J. Jones; at summit of long hill; W. edge of rd.; on iron post; standard cap stamped "1053 ADJ"	1052.511
Millspring; 300 ft N. of former post office; 200 ft N. of rd. crossing; 50 ft S. of rd. forks; 50 ft N. of storehouse; on iron post; standard cap stamped "1017 ADJ" (Reported destroyed, 1956)	1016.522
Columbus; at SE. corner of courthouse; on iron post; standard cap stamped "1109 ADJ"	1110.277

LINE 1.

By W. D. Leech, 1956; Book AV 492

3	2	1.47	U.E., on SW. concrete wingwall of bridge; chiseled square	1070.50
3	3	1.90	White House, 3.8 mi SW. of; 60 ft SE. of rd. fork E. and woods rd. SE.; in concrete post; standard tablet stamped "78 WDL 1956 1228"	1228.097

NGVD 29  
ElevationsLINE 1 (Cont'd.)Feet

3	6	3.68	U.E., W. of rd.; on N. end of culvert; chiseled square	1197.66
3	7	3.93	Bills Creek Church, 2.0 mi N. of; 80 ft N. and 30 ft E. of T-rd. SE.; in concrete post; standard tablet stamped "79 WDL 1956 1266"	1266.317
3	7	3.96	Reference mark; 150 ft S. of tablet; in root of 8-in. oak tree; copper nail and washer	1260.84
3	8	4.59	U.E., W. of rd.; on N. end of concrete pipe; chiseled square	1186.37
3	10	6.02	Bills Creek Baptist Church, 1.0 mi S. of; 50 ft S. of stream crossing; 30 ft W. of rd.; in concrete post; standard tablet stamped "80 WDL 1956 1079"	1078.933
3	10	6.07	Reference mark; 280 ft S. of tablet; E. of rd.; on middle of culvert; chiseled square	1073.76
3	14	7.94	Chimney Rock, 4.0 mi E. of post office; 200 ft N. of second crossing of rd. and Broad River; 100 ft N. of residence of W. M. Flynn; 100 ft S. of store; N. edge of rd.; on iron post; standard cap stamped "882 ADJ"	883.027
3	15	9.27	U.E., 30 ft E. of W. end of high cut N. of rd.; 20 ft S. of rd.; on boulder; chiseled square	849.36
3	16	10.24	Rock Springs Church, 2.0 mi N. of; 150 ft S. of U.S. Highway 64-74; 30 ft S. of S. end of bridge over Broad River; 20 ft E. of rd.; in concrete post; standard tablet stamped "81 WDL 1956 841"	840.821
3	17	10.25	Reference mark, 30 ft N. of tablet; on SE. bridge seat; chiseled square	838.51
3	18	11.31	U.E., at SE. angle of woods rd. crossing; in root of 10-in. maple tree; copper nail and washer	992.92
3	20	12.24	Rock Springs Baptist Church; 50 ft S. of junction of rd. fork E.; in concrete post; standard tablet stamped "82 WDL 1956 1157" (Reported destroyed, 1959)	1157.618

NGVD 29  
ElevationsLINE 1 (Cont'd.)Feet

3	20	12.25	Reference Mark, 30 ft SW. of tablet; in root of 10-in. oak tree; copper nail and washer	1157.28
3	24	14.50	Rock Springs Church, 2.3 mi S. of; 30 ft W. and 25 ft N. of T-rd. N.; in concrete post; standard tablet stamped "83 WDL 1956 1060"	1060.137
3	24	14.52	Reference mark, 130 ft NE. of tablet; in root of 8-in. poplar tree; copper nail and washer	1057.57
3	26	15.51	U.E., on S. end of culvert W. of rd.; chiseled square	919.57
3	28	16.82	Pea Ridge, 1.6 mi N. of; 4.6 mi S. of Rock Springs Church; 25 ft W. of junction of rd. fork NE.; in concrete post; standard tablet stamped "84 WDL 1956 797"	796.789
3	29	16.83	Reference mark, 40 ft S. of tablet; W. of rd.; on concrete pipe; chiseled square	794.60
3	29	17.24	U.E., NE. corner of bridge over Green River; on retaining wall; chiseled square	809.55
3	31	18.38	Pea Ridge; 170 ft N. of T-rd. N.; 25 ft W. of rd.; in concrete post; standard tablet stamped "85 WDL 1956 1031"	1031.582
3	31	18.40	Reference mark, 140 ft SE. of tablet; at SW. corner of concrete porch floor; chiseled square	1030.16
3	35	20.53	Pea Ridge, 2.1 mi SE. of; 70 ft N. of top; 15 ft E. of junction of poor rd. SE.; in concrete post; standard tablet stamped "86 WDL 1956 963"	963.249
3	35	20.54	Reference mark, 40 ft S. of tablet; in root of 8-in. oak tree; copper nail and washer	966.19
3	37	21.48	U.E., in E. side of bridge; copper nail and washer	876.50
3	37	21.78	U.E., 50 ft E. of junction of T-rd. S.; S. of hwy., on center of headwall of culvert; chiseled square	914.94

NGVD 29  
ElevationsLINE 1 (Cont'd.)Feet

3	38	22.39	Pea Ridge, 4.0 mi S. of; 50 ft S. and 25 ft E. of center of bridge over creek; in concrete post; standard tablet stamped "87 WDL 1956 852"	852.151
3	39	22.40	Reference mark, 70 ft S. of tablet; in root of 8-in. poplar tree; copper nail and washer	856.02
3	40	23.25	U.E., 100 ft SW. of house E. of rd.; 15 ft E. of rd.; in E. root of 10-in. oak tree; copper nail and washer	1012.55
3	41	24.16	Pea Ridge, 5.8 mi S. of; 2.5 mi W. of Sandy Plains; 5.8 mi NE. of Columbus; 70 ft SW. of rd. fork NW.; 60 ft W. of rd. to Sandy Plains; just E. of fenceline; in concrete post; standard tablet stamped "88 WDL 1956 1057"	1057.450

/Jogs into Inman quadrangle/

3	48	30.09	"1109 ADJ" (Described in isolated bench marks)	1110.277
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LINE 2.

By W. D. Leech, 1956; Book AV 492

4	1	0.00	"88 WDL 1956 1057" (Described in line 1)	1057.450
4	3	1.70	U.E., NW. of Y-rd. forks; in angle of junction; on SW. corner of culvert; chiseled square	1094.69

/Jogs into Inman quadrangle/

4	8	5.47	U.E., 70 ft E. of rd. fork NE.; 30 ft NW. of rd.; in root of double oak tree; copper nail and washer	945.33
4	10	6.68	Sandy Plains, 0.5 mi NE. of, thence 3.8 mi E.; 60 ft W. and 20 ft S. of stream crossing; in concrete post; standard tablet stamped "94 WDL 1956 750" (Not found, 1959 & 1977)	749.830
4	10	6.67	Reference mark, 70 ft N. of tablet; on rock ledge; chiseled square	753.62

/Jogs into Inman quadrangle/

NGVD 29  
ElevationsLINE 2 (Cont'd.)Feet

4	21	13.00	McGinnis Crossroads, 6.4 mi N. of; 2.1 mi NE. of Rodd Store; at junction of old Cox Road and Cox Road; 70 ft N. and 35 ft E. of junction; in concrete post; standard tablet stamped "97 WDL 1956 858"	857.979 ?
4	21	13.00	Reference mark; 12 ft NE. of tablet; in root of 8-in. oak tree; copper nail and washer	856.99
4	23	13.77	U.E., E. of rd.; on culvert; chiseled square	838.32
4	24	14.63	U.E., at Hill Grocery; NE. angle of rd. SE.; on culvert; chiseled square	769.77
<u>Jogs into Rutherfordton quadrangle</u>				
4	27	17.20	U.E., SW. of rd.; in base of 10-in. black walnut tree; spike	859.57
4	28	18.04	Pea Ridge, 7.6 mi NE. of; 11.4 mi N. of McGinnis Crossroads; 0.2 mi SE. of Highway 108; 100 ft SW. of crossroads; 30 ft SE. of rd.; 2 ft N. of power pole; in concrete post; standard tablet stamped "99 WDL 1956 857"	856.634
4	29	18.06	Reference mark; 110 ft N. of tablet; in NW. angle of crossroads; on culvert; chiseled square	856.72
4	29	18.83	U.E., on NE. bridge seat of bridge over creek; chiseled square	770.31
4	31	19.94	Pea Ridge, 5.7 mi NE. of; 30 ft S. and 30 ft E. of junction of T-rd. S.; in concrete post; standard tablet stamped "100 WDL 1956 826"	825.925
4	31	20.02	Reference mark; 400 ft W. of tablet; N. of rd.; on steel pipe; chiseled square	829.34
4	31	20.66	U.E., 60 ft SW. of crossroads; in base of 10-in. pine tree; spike	918.11
4	33	21.56	U.E., S. end of W. pier of bridge over Green River; chiseled square	775.96

LINE 2 (Cont'd.)Feet

4	33	22.28	Pea Ridge, 3.3 mi E. of; 25 ft SE. of junction of Y-rd. forks and private rd. N.; in concrete post; standard tablet stamped "101 WDL 1956 777"	777.391
4	34	22.88	U.E., opposite house NW. of rd.; SE. bank of rd.; on boulder; chiseled square	880.38
4	35	23.53	Pea Ridge, 2.1 mi E. of; 70 ft W. of drain crossing at sharp turn; 25 ft S. of rd. at woods rd. NE.; in concrete post; standard tablet stamped "102 WDL 1956 920"	920.326
4	36	23.54	Reference mark; 80 ft NE. of tablet; in base on W. side of 8-in. poplar tree; spike	920.69
4	37	24.71	U.E., 60 ft SE. of SE. corner of church; in root of 14-in. oak tree; spike	1054.40
4	38	25.65	"85 WDL 1956 1031" (Described in line 1)	1031.582

LINE 3.

By W. D. Leech, 1956; Book AV 492

4	39	0.00	"99 WDL 1956 857" (Described in line 2)	856.634
4	39	0.69	U.E., on wheelguard at SE. corner of bridge; chiseled square	776.67

[Jogs into Rutherfordton quadrangle]

4	44	3.98	Rutherfordton, 2.0 mi SW. of junction of State Highway 108 and U. S. Highway 74A, along Highway 108, thence 1.3 mi NE. along Miller Road; in line with private rd. W. and 25 ft NE. of rd.; in concrete post; standard tablet stamped "104 WDL 1956 962"	962.021
4	44	3.97	Reference mark; 20 ft SE. of tablet; in root of 48-in. oak tree; spike	962.83
4	45	4.50	U.E., 100 ft W. of crossroad; N. of rd.; on E. end of culvert; chiseled square	858.31



LINE 3 (Cont'd.)Feet

4	47	5.75	Rutherfordton, 1.7 mi NW. along U. S. Highways 64 and 74, thence 1.8 mi SW. along rd.; 35 ft N. and in line with rd. fork S.; in concrete post; standard tablet stamped "105 WDL 1956 963"	962.767
4	48	6.47	U.E., S. of rd. and just W. of house S. of rd.; in root of 12-in. poplar tree; spike	953.49
<u>Jo</u> gs into Rutherfordton quadrangle <u>7</u>				
4	52	8.42	U.E., N. of rd.; at rd. fork SW.; in base of telephone pole No. 129; spike	987.12
4	53	9.11	Green Hill Community House, 1.7 mi SE. of; 4.2 mi NW. of Rutherfordton; 30 ft S. of junction of crossroads; in concrete post; standard tablet stamped "107 WDL 1956 852"	852.093
4	53	9.37	Reference mark; 0.3 mi W. of tablet; on SW. wing-wall of bridge over creek; chiseled square	827.84
4	54	10.30	U.E., on end of concrete base of gas pumps at Weaver's Grill; chiseled square	934.34
4	54	10.89	Green Hill Community House, 0.1 mi W. of; 80 ft N. of crossroads; 25 ft E. of rd.; in concrete post projecting 6 in.; standard tablet stamped "108 WDL 1956 968"	967.948
4	55	10.90	Reference mark; 25 ft SE. of tablet; in base on NW. side of 8-in. pine tree; spike	970.53
4	57	12.91	Green Hill Community House, 2.1 mi S. of; at St. Mathews Road; in triangle formed by rd. fork; 70 ft S. of N. junction; 30 ft W. of rd.; in concrete post; standard tablet stamped "109 WDL 1956 861"	861.120
4	61	15.61	Pea Ridge, 3.8 mi NE. of; 4.8 mi S. of Green Hill; 0.7 mi NE. of Broad River; 50 ft N. of junction of T-rd. NE.; in concrete post; standard tablet stamped "110 WDL 1956 836"	836.322
4	63	16.73	U.E., about 30 ft NE. of small ford; 30 ft SE. of rd.; in base of 6-in. pine tree; spike	801.05
4	65	17.51	Pea Ridge, 1.9 mi NE. of; 70 ft NE. of crossroads; 20 ft SE. of rd.; in concrete post; standard tablet stamped "111 WDL 1956 911" ( <u>Not found, 1959</u> )	910.643

LINE 3 (Cont'd.)Feet

4	65	17.52	Reference mark; 60 ft W. of tablet; in NE. angle of crossroad; on culvert; chiseled square	909.07
4	67	19.39	"84 WDL 1956 797" (Described in line 1)	796.789

LINE 4.

By W. D. Leech, 1956; Book AV 492

5	1	0.00	"108 WDL 1956 968" (Described in line 3)	967.948
5	3	2.34	Green Hill Community House, 2.5 mi NE. of; 4.1 mi SW. of Gilkey; 50 ft W. of rd. fork NW.; 25 ft N. of rd.; in concrete post; standard tablet stamped "112 WDL 1956 986"	985.734
5	4	2.37	Reference mark; 25 ft E. of tablet; in base of double oak tree; spike	985.88
<u>/Jogs into Rutherfordton quadrangle</u>				
5	4	4.51	Gilkey, 1.9 mi SW. of; 40 ft W. of junction of rd. fork N.; 25 ft N. of rd.; in concrete post; standard tablet stamped "113 WDL 1956 1021"	1020.934
5	7	4.52	Reference mark; 70 ft NE. of tablet; on SE. end of culvert; chiseled square	1022.02
<u>/Jogs into Rutherfordton quadrangle</u>				
5	11	8.36	U.E., 20 ft SE. and 25 ft SW. of rd. SW. to Clyde Northey farm; in base on SW. side of 10-in. oak tree; spike	1094.84
5	12	8.80	Gilkey, 2.4 mi NW. of; 30 ft NE. of junction of T-rd. SW. (Shingle Hollow Road); in concrete post; standard tablet stamped "115 WDL 1956 1076"	1075.734
5	13	8.82	Reference mark; 70 ft W. of tablet; in base of 10-in. crooked oak tree; spike	1076.57
5	14	10.12	U.E., E. of rd.; in base of power pole; spike	1094.71
5	15	10.59	Gilkey, 4.1 mi NW. of; 30 ft NW. of junction of rd. fork SE.; in concrete post; standard tablet stamped "116 WDL 1956 1126"	1126.056
5	16	10.60	Reference mark; 10.9 ft NW. of tablet; in base of double poplar tree; spike	1127.29
5	16	11.45	U.E., 230 ft NW. of drive NE.; 50 ft NE. of rd.; in power pole; spike	1159.05