

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

35-081-33
COWPENS QUADRANGLE
~~151 S.C. 80 N.C.~~
N3500-W8145/15
DIAGRAM NE 17-2
CHARLOTTE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Polk and Rutherford Counties, N.C.;
Cherokee and Spartanburg Counties, S.C.

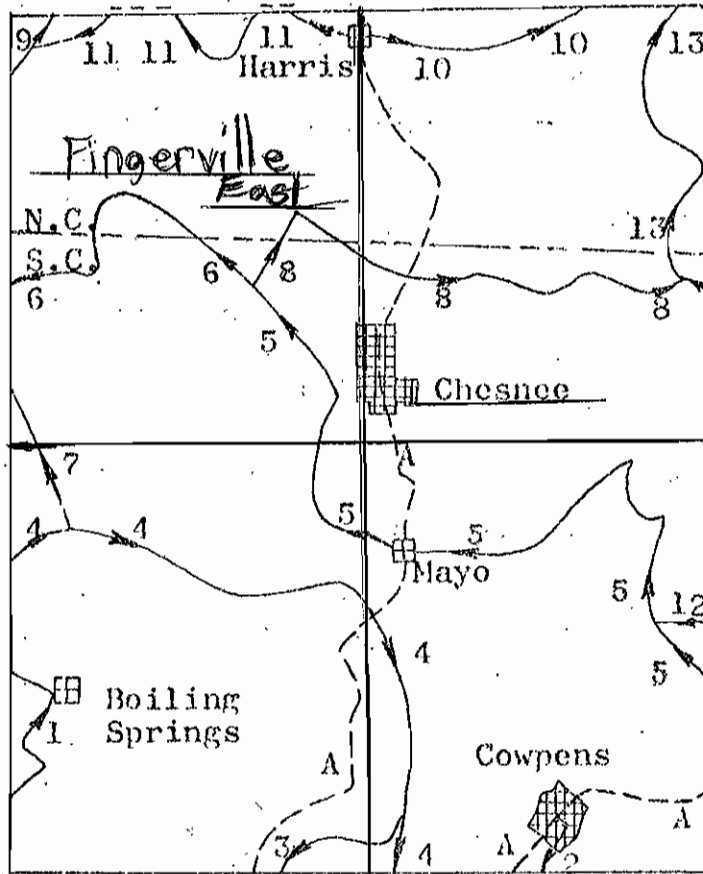
Final adjustment of 1971

Edition of 11/25/75

PR: WSM/jyk

NGVD 29
Elevations

RUTHERFORDTON
(121)



INMAN
(152 S.C.-85 N.C.)

GAFFNEY
(150 S.C.-83 N.C.)

SPARTANBURG
(140)

NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 350813

COWPENS QUADRANGLE

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NGVD 29
Elevations

3.
COWPENS
Book B6031

S.C.-N.C.

35-081-33
G. B. Dean

1933

LINE 1.

Feet

G. B. Dean, 1933; Book B6031

Boiling Springs, 2.6 mi SW. of; 1.8 mi NE. of
John Dodd School; 7.3 mi N. of Spartanburg;
about 0.19 mi E. of bridge over creek; 35 ft
NW. of centerline of rd.; in concrete post;
standard tablet stamped "TT 49 S 1933 804"

803.626

Boiling Springs, 45 ft N. of center of front of
high school; in yard, 70 ft S. of rd.; in
concrete post; standard tablet stamped
"TT 50 S 1933"

950.397

LINE 2.

NGVD 29
Elevations

G. B. Dean, 1933; Book B6031

"RV 29" (USC&GS)

837.305

U.E., Cowpens, 0.8 mi SW. of; 83 ft S. of house;
70 ft SW. of intersection of old Gaffney and
Spartanburg Road; across rd. from church; in NW.
edge of pavement; chiseled cross

837.39

LINE 3.

G. B. Dean, 1934; Book B6105

Liberty School, 290 ft S. of, in schollyard; 5.2 mi
NE. of Spartanburg; at junction of Spartanburg-
Chesnee Road and second-class rd.; 57 ft N. of
centerline of Spartanburg-Chesnee Road; 10 ft E.
of second-class rd.; in concrete post; standard
tablet stamped "TT 24 SJ 1933 872"

871.643

LINE 4.

G. B. Dean, 1934; Book B6105

Boiling Springs, 4.2 mi N. of; 125 ft NW. of
intersection of McMilan's Mill Road and rd. to
Rainbow Lake; 35 ft W. of McMilan Road; 53 ft
SE. of dwelling; in concrete post; standard
tablet stamped "TT 52 S 1933 933"

933.333

Reference mark; 160 ft NW. of center of crossroads;
62 ft W. of McMilan's Mill Road; 15 ft E. of
dwelling; in root on E. side of 12-in. oak tree;
wire nail and bottle cap

933.02

LINE 4 (Cont'd.)1934
Feet

- U.E., Peru School, 0.6 mi W. of; 0.5 mi W. of Mount View Church; 0.3 mi W. of junction of T-rd. N.; on N. side of rd.; in yard of house; in concrete platform around well; chiseled cross 921.28
- Peru School, 4 ft E. of SE. corner of; 0.25 mi N. of Mount View Church; 120 ft NE. of crossroads; in concrete post; standard tablet stamped "TT 53 S 1933" 918.604
- Peru School, 2.7 mi E. of; 2.7 mi SW. of Mayo; 160 ft SW. of T-rd. junction; 62 ft W. of centerline of rd.; 12 ft E. of house; in concrete post; standard tablet stamped "TT 54 S 1933 816" (Reported not found, 1956). 815.371
- Davis Chapel, 6 ft W. of; 6.0 mi along Clinchfield Railroad NE., thence 0.3 mi N. from Spartanburg; 50 ft E. of centerline of rd.; in concrete post; standard tablet stamped "TT 55 S 1933" (Reported not found, 1956) 844.644
- Cannon Campground Church, 270 ft NW. of; 6.9 mi NE. of Spartanburg; in SW. angle of crossroads; 30 ft S. of centerline of route rd.; in concrete post; standard tablet stamped "TT 25 SJ 1933 822" (Reported destroyed, 1959) 821.494
- U.E., Spartanburg, 6.0 mi along rd. to Cannon Campground NE. of; at rd. forks at Gassetts filling station; 10 ft W. of centerline of route rd.; in concrete headwall; chiseled cross 810.54

LINE 5.

G. B. Dean, 1934; Book B6105

- U.E., Macedonia Church, 1.6 mi SE. of; 3.5 mi N. of Thicketty; 65 ft W. of rd.; 30 ft E. of two-story dwelling; in yard; in concrete platform around well; chiseled cross 862.55
- Macedonia Church, 4 ft SW. of SW. corner of; in concrete post; standard tablet stamped "3 D 1934 856" 855.834

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Book B6105

COWPENS

S.C.-N.C.

NGVD 29
Elevations

35-081-33

G. B. Dean

1934

LINE 5 (Cont'd.)

Feet

- Reference mark; at front entrance to Macedonia Church;
in E. side of lower concrete step; chiseled cross 856.21
- Thicketty Mountain School, 1.6 mi N. of; 3.2 mi SW.
of Cherokee Creek Church (at locality formerly
known as Maud); in NW. angle of crossroads on N.
side of Thicketty Mountain; on 2-in. iron pipe;
standard cap stamped "PT NO 9 1906 1002" (Reported
destroyed, 1956) 1001.527
- Mayo, 3.0 mi NE. of; 0.5 mi along rd. to Chesnee NW.
of Butler School; 40 ft E. of junction of T-rd.,
to Mary Louise Mill; 25 ft W. of house; in concrete
post; standard tablet stamped "TT 64 S 1933 921" 920.796
- Mayo, 0.4 mi NE. of; 210 ft NE. of junction of rds.
to Chesnee and Mary Louise Mill; in concrete
post; standard tablet stamped "TT 63 S 1933 901" 900.523
- Buck Creek Church, 4 ft NW. of NW. corner of; 120
ft S. of rd.; in concrete post; standard tablet
stamped "TT 62 S 1933 779" 778.909
- U.E., Buck Creek Church, 0.6 mi SW. of; at first
concrete box culvert W. of bridge over Pacolet
River; in NW. end of N. handrail; chiseled cross 698.74
- Buck Creek Church, 1.4 mi along rd. to Arrow Wood
Church N. of; 0.8 mi (airline) E. of Pacolet
School; 60 ft S. of S. end of wooden bridge over
Buck Creek; 28 ft E. of centerline of rd.; in
concrete post; standard tablet stamped
"TT 61 S 1933 727" 727.310
- Arrow Wood School, 0.5 mi E. of, thence 0.3 mi S.;
about 1.2 mi (airline) NW. of Chesnee; 4 ft S.
and 10 ft W. from SW. corner of old two-story
farmhouse of Mrs. G. W. Henderson; in yard, 22 ft
N. and 33 ft E. from large oak tree; in concrete
post; standard tablet stamped "TT 60 S 1933 941" 940.495

LINE 6.

G. B. Dean, 1934; Book B6105

- Brooklyn School, 6 ft N. and 10 ft E. from NW. corner
of; in schoolyard; 3.8 mi E. of Piney Grove School;
4 ft N. of NW. corner of entrance wing; in concrete
post; standard tablet stamped "TT 59 S 1933 987" 986.846

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COWPENS
Book B6105

S.C.-N.C.

G. B. Dean

1934

LINE 6 (Cont'd.)

Feet

Piney Grove School, 2.6 mi NE. of; 4.0 mi NW. of Brooklyn School; 7.7 mi NE. of Fingerville; 1.4 mi by rd. SW. of South Carolina-North Carolina State line at Polk-Rutherford County line; 30 ft W. of junction of rd. to Eden Church; 17 ft S. and 19 ft E. from SE. corner of front porch of farmhouse of C. A. Jolly, in frontyard; in concrete post; standard tablet stamped "TT 58 S 1933 925" 924.291

Piney Grove School, 1.5 mi W. of; 3.6 mi N. of Fingerville; 30 ft S. and 20 ft E. of store of B. F. Cooley; 20 ft W. of dwelling; in concrete post; standard tablet stamped "TT 57 S 1933 1008" (Reported destroyed, 1956) 1008.101

U.E., Fingerville, 1.4 mi S. of; at McMilan's Mill; at concrete bridge over Obed Creek; in NW. corner of W. parapet; chiseled cross 740.84

Fingerville, 1.5 mi S. of; 400 ft E. of McMilan's Mill; on S. bank of North Fork of Pacolet River; U. S. gaging station reference tablet stamped "730" 730.33

LINE 7.

G. B. Dean, 1934; Book B6105

Spartanburg, 13.0 mi N. of; 5.8 mi NE. of Boiling Springs at North Pacolet plant of Spartanburg Waterworks; in top of foundation of filter building at point 6 ft E. of SE. corner of building; standard tablet stamped "4 D 1933 749" 748.557

U.E., North Pacolet plant of Spartanburg Waterworks, 0.5 mi below; about 0.3 mi below confluence of North and South Forks of Pacolet River; 250 ft NW. of county highway bridge; on W. bank of river; at Geological Survey gaging station; 0.00 mark on outside of gaging staff 706.33

LINE 8.

G. B. Dean, 1934; Book B6105

Chesnee, 3.2 mi N. of; 3.2 mi NE. of Arrow Wood Church; at junction of Chesnee-Cliffside Road; 36 ft NW. of dwelling; 42 ft S. of rd.; in concrete post; standard tablet stamped "TT 2 S 1933 907" 906.826

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Book B6105

COWPENS

S.C.-N.C.

NGVD 29
Elevations

G. B. Dean

1934

LINE 8 (Cont'd.)Feet

- Chesnee, about 4.0 mi along U. S. Highway 221 NE. of, thence about 1.0 mi along dirt rd. NW.; 1.0 mi SE. of Phillips Crossroads; 70 ft S. and 13 ft W. from SE. corner of porch of residence of Boyd Vassey, in frontyard; 25 ft N. and 47 ft W. from leaning pine tree; 16 ft NE. of centerline of rd.; in concrete post; standard tablet stamped "TT 3 S 1934 938" 938.377
- State Line Church, 45 ft S. and 17 ft E. from SE. corner of; 50 ft N. of centerline of rd.; in concrete post; standard tablet stamped "TT 4 S 1934 904" (Reported destroyed, 1959) 904.723
- U.E., State Line Church, 1.3 mi E. of; at NW. corner of small wooden bridge, on concrete abutment; chiseled cross 800.10

LINE 9.

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

- McGinnis Crossroads, 2.0 mi N. of; 80 ft N. and 25 ft E. of crossroads; 0.3 mi S. of Green River Church; in concrete post; standard tablet stamped "95 WDL 1956 965" 964.790

LINE 10.

W. D. Kelly, 1963; Book AV 944a

- 1 55 0.00 "B 76 1935" (USC&GS) 802.531
- 1 55 0.38 U.E., Harris, 0.4 mi E. of; 11 ft N. of and level with W. end of steel bridge over Floyds Creek; chiseled square 750.02
- 1 57 1.26 U.E., Harris, 1.3 mi E. of; 21 ft S. of and 2 ft lower than centerline of rd. at drain; on concrete culvert; chiseled square 879.75
- 1 58 1.80 Harris, 1.8 mi E. of; 0.3 mi S. of Chase High School; 110 ft N. and 90 ft W. of, and higher than crossroads; at SE. corner of filling station; standard tablet stamped "20 WDK 1963 939" 939.074

COWPENS
Book AV 944a

S.C.-N.C.

NGVD 29
Elevations

W. D. Kelly

1963

LINE 10 (Cont'd.)Feet

1	58	1.80	Reference mark; 30 ft E. of tablet; on S. end of concrete base of gas pump; chiseled square	939.79
1	59	2.39	U.E., Harris, 2.4 mi E. of; 18 ft S. of, and 3 ft lower than centerline of rd. at drain; on concrete headwall; chiseled square	827.77
1	61	3.05	Chase High School, 0.3 mi S. of, thence 1.3 mi E.; 2.4 mi W. of Henrietta; 3 ft E. of power pole; 30 ft N. and 310 ft W. of, and 8 ft higher than crossroads; in concrete post; standard tablet stamped "21 WDK 1963 921"	920.480

LINE 11.

W. D. Kelly, 1963; Book AV 944a

2	23	0.00	"B 76 1935" (USC&GS) (Also in line 10)	802.531
2	23	0.60	U.E., 13 ft S. of, and 1 ft higher than centerline of W. end of concrete bridge; chiseled square	764.09
2	24	1.24	U.E., Harris, 1.2 mi W. of; 14 ft N. of, and 1 ft lower than centerline of rd. at drain; on concrete culvert; chiseled square	859.42
2	25	1.81	U.E., Harris, 1.8 mi W. of; 18 ft N. and 63 ft E. of, and lower than rd. at drive S.; on right angle of concrete culvert; chiseled square	895.87

1963

LINE 11 (Cont'd.)Feet

2	29	3.80	Harris, 3.2 mi W. of, thence 0.6 mi S.; 2.4 mi S. of Shiloh Elementary School; 25 ft N. and 25 ft W. of, and 1 ft lower than T-rd. W.; standard tablet stamped "12 WDK 1963 933"	933.472
2	29	3.80	Reference mark; 45 ft E. of tablet; on E. concrete headwall of culvert; chiseled square	932.95
2	30	4.30	U.E., Harris, 3.2 mi W. of, thence 0.6 mi S., thence 0.5 mi W.; 15 ft N. of, and 1 ft lower than rd. at drain; on N. concrete culvert; chiseled square	905.18
2	31	4.90	U.E., Harris, 3.2 mi W. of, thence 0.6 mi S., thence 1.1 mi W.; 13 ft E. of, and level with drive to barn; in root on S. side of 24-in. sycamore tree; copper nail and washer	892.08

[Jogs into Rutherfordton quadrangle]

2	39	8.53	Pores Ford Church, 0.5 mi SW. of, along County Road 2004 bridge over Broad River; in N. end of W. low concrete rail of bridge; 1 ft higher than centerline of rd.; standard tablet stamped "14 WDK 1963 756"	755.912
2	39	8.52	Reference mark; 25 ft S. of tablet; on N. end of E. low concrete rail of bridge; chiseled square	755.85
2	40	9.22	U.E., McGinnis Crossroads, 2.0 mi N. of, thence 1.8 mi W.; on E. end of gas pump base; chiseled square	844.91
2	43	11.04	"95 WDK 1956 965" (Described in line 9)	964.790
2	43	11.04	Reference mark; 40 ft W. of tablet; on end of steel pipe; painted square	963.33

LINE 12.

By H. L. Zohn, 1971; Book AV 1602

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5	14	13.48	U.E., at bridge (for County Road 39) over Interstate 85; on N. end of E. guardrail base; chiseled square	893.10
5	15	13.79	"3 D 1934 856" (Described in line 5)	855.834

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COWPENS
Book AV 1602a

S.C.-N.C.

35-081-33
H. L. Zohn

1971

LINE 13.

Feet

H. L. Zohn, 1971; Book AV 1602a

5	49	5.86	U.E., in junction of County Roads 29 and 60; copper nail and washer, painted "CL 920.1"	920.14
5	50	6.66	✓ Cliffside, 2.7 mi S. of, from junction of State Highway 120 and U. S. Highway 221-A, along Highway 221-A, thence 1.5 mi E. along County Road 1002, thence 1.7 mi S. along County Roads 1207 and 1209; at North Carolina-South Carolina State line; 25 ft E. and about level with centerline of rd. opposite; 8.5 ft S. of 24-in. pine tree; 1.0 ft W. of witness post; in concrete post projecting 0.2 ft.; standard tablet stamped "84 HLZ 1971 894", painted "BM 893.6"	893.647
5	51	7.44	U.E., in junction of County Roads 1209 and 1211; copper nail and washer, painted "CL 890.2"	890.25
5	52	8.28	U.E., in junction of County Roads 1002 and 1207; copper nail and washer, painted "CL 844.8"	844.78
5	53	8.67	✓ Cliffside, 2.7 mi S. of, from junction of State Highway 120 and U. S. Highway 221-A, along Highway 221-A, thence 1.1 mi E. along County Road 1002; at 60-ft bridge over Suck Creek; on SE. wingwall; standard tablet stamped "83 HLZ 1971 770", painted "BM 770.0"	NGVD 29 Elevations 769.975
WL = 754 ft				
5	54	9.26	U.E., in centerline of County Road 1002 at W. entrance to semi-circle drive; copper nail and washer, painted "CL 853.1"	853.11
5	55	9.74	U.E., in junction of U. S. Highway 221-A and County Road 1002; copper nail and washer, painted "CL 777.6"	777.58

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COWPENS
Book AV 1602a

S.C.-N.C.

35-081-33

H. L. Zohn

1971

LINE 13 (Cont'd.)

Feet

5	56	10.03	✓ Cliffside, 2.4 mi S. of, from junction of State Highway 120 and U. S. Highway 221-A, along Highway 221-A; at 500-ft bridge over the Broad River; on SE. end of SW. guardrail base; standard tablet stamped "82 HLZ 1971 712", painted "BM 712.3"	712.334
WL = 672 ft				
5	57	11.30	U.E., in junction of U. S. Highway 221-A and County Road 1976; copper nail and washer, painted "CL 799.4"	799.37
5	58	11.80	U.E., Cliffside; at 400-ft bridge over second Broad River; on S. end of W. walkway; chiseled square, painted "UE 718.4"	718.39
WL = 678 ft				
5	59	11.88	✓ Cliffside, 125 ft S. of Cliffside Methodist Church; 11 ft N. of fire hydrant; 133 ft SW. of junction of U. S. Highway 221-A and County Road 1003; in concrete post projecting 0.3 ft.; standard tablet stamped "TT 5 CWH 1949"	721.829
5	60	12.39	U.E., Cliffside; in junction of U. S. Highway 221-A and State Highway 120; copper nail and washer, painted "CL 822.9"	822.96

NGVD 29
Elevations