

4TH-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

36-081-31
MEAT CAMP QUADRANGLE
N.C.-157 TENN.
N3615-W8130/15
DIAGRAM NJ 17-11
WINSTON-SALEM

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Ashe, Johnson, and Watauga Counties

Final adjustment of 1975

Edition of 7/16/75

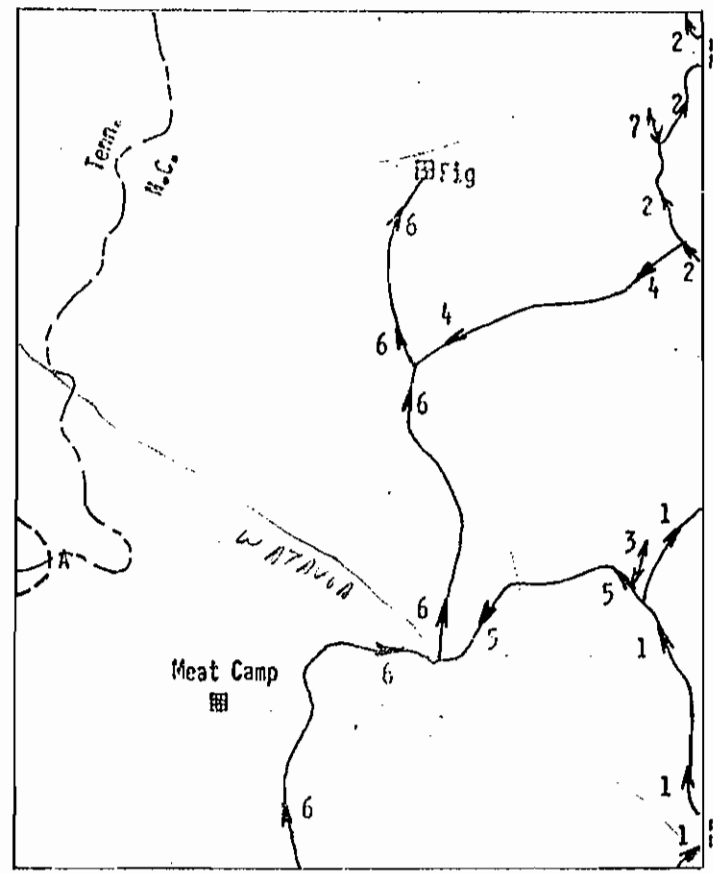
PR: WSM/rmc

NGVD 29
Elevations

MT. ROGERS
(276 N.C.-190 TENN.-24 VA.)

DOE MOUNTAIN
(252 N.C.-158 TENN.)

FURCHES
(250)



BLOWING ROCK
(222)

US (USCGS) VERTICAL CONTROL DATA

A. Quadrangle 360813

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NGVD 29
Elevations

1950

LINE 1.

Feet

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

- Deep Gap, 2.6 mi N. of, along rd. to Fleetwood; 200 ft SE. of junction of rd. with rd. E.; 33 ft E. of centerline of rd.; 2 ft SW. of NW. fence corner of yard; 8 ft NW. of Norway maple tree; in concrete post; standard tablet stamped "25 ATA 1950 2937" 2936.529
- Reference mark; 36 ft S. of tablet; on bottom concrete step of steps leading to house; chiseled square 2940.89
- Fleetwood, 3.1 mi S. of, along rd. to U. S. Highway 421; 40 ft W. of junction of rd. and rd. NW.; 3 ft W. of E. corner of fence post of pasture; in concrete post; standard tablet stamped "26 ATA 1950 2883" 2882.763
- U.E., on SW. wingwall of steel bridge over S. fork New River; chiseled square 2869.34
- Fleetwood, 18 ft E. of centerline of junction of Y-rd.; on projection of centerline of rd. W.; 6 ft E. of signpost; in concrete post; standard tablet stamped "27 ATA 1950 2876" (Not found, 1965) 2875.941
- Reference mark; 150 ft W. of tablet; on NE. concrete wingwall of wooden bridge; chiseled square 2873.41
- U.E., 57 ft W. of junction of rd. and rd. E.; 1 ft E. of gate in white picket fence; on concrete curb; chiseled square 2937.11
- Fleetwood, 1.0 mi N. of, along paved rd., thence 0.9 mi NE. along rd. to Oval; on S. side of new rd.; on edge of lawn of Dillon Poole home; in concrete post; standard tablet stamped "28 ATA 1950 RESET 1956" 3139.844

LINE 2.

NGVD 29
Elevations

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

- U.E., on NE. side of rd.; on SE. end of concrete base of gas pump of Esso Station; chiseled square 2838.79
- Warrens ville, 0.6 mi E. of, along State Highway 88 to concrete bridge over Buffalo Creek; 15 ft N. of centerline of hwy.; 15 ft N. of centerline of hwy.; in wheelguard, 6 ft W. of NE. end; standard tablet stamped "TT 16 TWC 1950 2728" 2728.218
- Reference mark; 100 ft W. of tablet; on NW. wingwall of bridge; chiseled square 2727.81

[Jogs into Furches quadrangle]

- U.E., 2 ft lower than rd.; on S. corner of SW. concrete pier of bridge; chiseled square 2681.91
- U.E., on NE. side of rd.; on E. corner of bottom concrete step of steps leading to house; chiseled square 2664.93

1963

LINE 3.

Feet

By R. J. Neff, 1963; Book AV 956

18 68 0.00	Baldwin, 250 ft SW. of junction of U. S. Highway 221 and State Highway 194; 15 ft N. of, and 1 ft lower than centerline of rd.; on NE. end of concrete culvert over field creek; standard tablet stamped "11 DSW 1963"	3095.408
18 68 0.48	U.E., West Jefferson, 5.2 mi S. of, along U. S. Highway 221; 0.5 mi N. of junction of State Highway 194; 42 ft W. of, and 1 ft higher than centerline of rd. at Y-rd. W.; on NE. corner of concrete platform at entrance to store; chiseled square	3167.10
18 69 0.89	Reference mark No. 1; 40 ft shoreward from bridge over old Field Creek; on left bank 25 ft downstream from bridge; in SW. side of 24 in. hickory tree; 1 ft above ground; bolt (Gaging station reference mark)	3159.05
18 70 0.90	Reference mark No. 2; 12 ft streamward in approach section from bridge over old Field Creek; in streamward side of 12 in. tree; bolt (Gaging station reference mark)	3157.76

LINE 4. (Not of third-order accuracy)

By D. S. Wright, 1963; Book AV 956

21 47 0.00	U.E., on NE. side of rd.; on SE. end of concrete base of gas pump of Esso Station; chiseled square	2838.79
21 52 2.07	Smethport, 1.6 mi SW. of, along County Road 1136; 130 ft NW. of junction of County Roads 1131 and 1132; 16 ft S. of SW. corner of Mt. Paddy Church; in SE. end of concrete headwall over small creek; standard tablet stamped "14 DSW 1963 2854"	2854.30
21 51 2.07	Reference mark; 26 ft NW. of tablet; on NW. corner of headwall over small creek; copper nail and washer	2854.32
21 58 4.37	Smethport, 3.8 mi SW. of junction of County Road 1131 and State Highway 194 and 88, along County Roads 1131 and 1125; at end of hardtop rd.; 25 ft N. of, and 6 in. higher than centerline of rd.; 75 ft W. of drive N.; 2 ft S. of fence; 6 ft S. of telephone pole A 53; standard tablet stamped "15 DSW 1963"	3060.21
21 57 4.37	Reference mark; 42 ft E. of tablet; in root on S. side of oak tree; copper nail and washer	3060.46
21 63 5.52	U.E., 10 ft N. of, and 2 ft higher than centerline of rd.; on large rock; chiseled square	3370.96
21 64 6.01	U.E., 10 ft N. of, and 1 ft higher than rd.; on rock outcrop; chiseled square	3655.50
21 69 6.24	Smethport, 5.6 mi W. of junction of State Highway 194 and County Road 1131; at summit of Three Top Mountain; 75 ft W. of County Road 1131 up an old trail; in large rock; standard tablet stamped "16 DSW 1963 3731"	3731.20

NGVD 29
Elevations

LINE 4 (Cont'd)

			<u>Feet</u>	
21	68	6.24	Reference mark; 30 ft N. of tablet; on large rock; chiseled square	3732.29
21	71	6.77	U.E., 20 ft N. of, and 2 ft higher than rd.; on small rock; chiseled square	3594.51
21	77	7.83	U.E., 10 ft N. of, and 4 ft higher than rd. opposite; on rock outcrop; chiseled square	3181.95
22	3	8.43	U.E., 13 ft N. of, and level with centerline of rd.; on NE. corner of concrete headwall of bridge over small creek; chiseled square	3046.23
22	4	8.63	Warrensville, 9.7 mi W. of, along State Highway 88 to Creston, thence 3.2 mi S. along graveled rd. up Three Top Creek; 250 ft N. of store at Trout; in W. end of N. headwall of bridge over creek; Tennessee Valley Authority standard disk stamped "MCD 281 1955"	3018.750

LINE 5.

By D. S. Wright, 1963; Book AV 956

21	4	0.00	"28 ATA 1950 RESET 1965" (Described in line 1)	3139.844
21	6	0.74	U.E., 26 ft NE. of U. S. Highway 221 and County Road 1177; on N. side of rd. on 18 in. concrete pipe; chiseled square	3003.04
21	11	3.13	"11 DSW 1963" (Described in line 1)	3095.408
21	10	3.11	Reference mark; 33 ft S. of tablet; on SE. end of concrete culvert over Field Creek; chiseled square	3095.09
21	15	4.35	U.E., on SW. corner of front bottom step to Baldwin Community Church; chiseled square	3279.92
21	45	5.39	Baldwin, 2.1 mi W. of junction of U. S. Highway 221 and State Highway 194; 18 ft NW. of, and 3 ft lower than centerline of rd.; on NE. end of concrete culvert; standard tablet stamped "12 DSW 1963 3247"	3247.068
21	44	5.39	Reference mark; 36 ft NE. of tablet; in root on S. side of 16 in. popular tree; 5 ft higher than tablet; copper nail and washer	3252.79
21	21	5.92	U.E., 15 ft N. of, and level with centerline of rd.; on bottom step leading to two-story brick house; chiseled square	3248.93
21	22	6.30	U.E., 16 ft S. of centerline of rd.; on N. end of sidewalk leading to Laurel Knob Baptist Church; chiseled square	3293.24

LINE 5 (Cont'd)Feet

21 28 7.32	Baldwin, 4.0 mi W. of junction of U. S. Highway 221 and State Highway 194; 15 ft N. of, and 2 ft lower than centerline of rd.; on NW. corner of concrete culvert; standard tablet stamped "13 DSW 1963 3611"	3611.230
21 27 7.32	Reference mark; 3 ft E. of tablet; on NE. corner of concrete culvert; chiseled square	3611.04
21 30 7.62	U.E., 150 ft W. of T-rd. S. (County Road 1113); 15 ft N. of centerline of rd.; on SW. corner of concrete culvert	3680.94
21 33 8.24	U.E., 15 ft NW. of, and 1 ft lower than centerline of rd.; on NW. corner of concrete culvert; chiseled square	3460.86
21 37 9.24	U.E., 15 ft NW. of, and about level with rd. on NW. end of concrete culvert; chiseled square	3303.35
21 41 10.11	U.E., 13 ft N. of, and 1 ft lower than centerline of rd.; on NE. corner of concrete culvert; chiseled square	3033.99
21 42 10.37	Todd, 0.3 mi NW. of Todd's Post Office to State Highway 194; 105 ft E. of County line sign (Watauga and Ashe Counties) in Ashe County; 7 ft lower than centerline of rd.; in SE. corner of concrete culvert; standard tablet stamped "9 DSW 1963 2981"	2980.757

LINE 6.

By D. S. Wright, 1963; Book AV 956

19 67 4.03	Boone, 1.3 mi E. of, along U. S. Highway 421, thence 2.4 mi N. along State Highway 194; at residence of J. H. Jones; in SW. end of concrete porch; standard tablet stamped "8 DSW 1963 3213"	3213.340
19 66 4.03	Reference mark; 10 ft N. of tablet; on SW. corner of bottom step to residences of J. H. Jones; chiseled square	3211.61
19 72 5.53	U.E., 15 ft E. of, and 4 ft lower than centerline of rd.; on S. end of E. headwall of concrete culvert; chiseled square	3258.52
19 75 6.67	Boone, 1.3 mi E. of, along U. S. Highway 421, thence 4.9 mi N. along State Highway 194; 15 ft W. of, and level with centerline of rd.; in N. end of W. headwall of concrete culvert; IVA standard disk stamped "MCD 295 1955"	3168.699
20 4 7.63	U.E., 15 ft W. of, and 2 ft lower than centerline of rd. over drain; on S. end of W. headwall of concrete culvert; chiseled square	3260.95
20 14 8.77	Todd, 0.3 mi NW. of post office, along hard surfaced rd. to crossroads, thence 3.9 mi NW. along State Highway 194; in N. end of E. headwall of concrete culvert; IVA standard disk stamped "MCD 293 1955"	3436.342

LINE 6 (Cont'd)

Feet

20 17	10.12	U.E., 30 ft S. and 65 ft E. of, and 2 ft lower than centerline of Y-rd. SE.; on SE. end of S. headwall of concrete culvert; chiseled square	3454.14
20 19	10.46	U.E., 12 ft S. of, and 2 ft lower than centerline of rd.; on SW. end of concrete culvert; chiseled square	3330.19
20 21	10.98	Todd, 0.3 mi NW. of Todds Post Office, along hard surfaced rd. to crossroads, thence 1.6 mi NW. along State Highway 194; 15 ft NE. of, and 1 ft lower than centerline on rd.; in NW. end of NE. headwall of concrete culvert; IVA standard disk stamped "MCD 291 1955"	3206.884
20 24	12.00	U.E., 35 ft W. of, and 3 ft lower than centerline of State Highway 194 and County Road 1346; on E. end of N. headwall of culvert over small creek; chiseled square	3034.63
20 27	12.58	"9 DSW 1963 2981" (Described in line 5)	2980.757
20 26	12.58	Reference mark; 27 ft W. of, and level with tablet; on SW. end of concrete culvert; chiseled square	2980.67
20 33	14.47	Todd, 0.3 mi NW. of Todd's Post Office to State Highway 194, thence 1.8 mi N. on County Road 1100; 55 ft N. of, and 3 ft higher than drive to drive W.; 20 ft W. of centerline of rd.; standard tablet stamped "10 DSW 1963 3126"	3125.956
20 32	14.47	Reference mark; 55 ft SE. of, and 3 ft lower than tablet; in centerline of rd. at private drive W.; copper nail and washer	3123.16
20 41	16.07	U.E., 20 ft W. of, and 2 ft lower than rd. opposite; on old concrete gas pump; chiseled square	3379.56
20 43	16.73	Warrensville, 9.7 mi W. of, along State Highway 88 to Creston, thence 7.1 mi S. along graveled rd.; 25 ft N. of, and 4 ft higher than centerline of rd.; in rock outcrop; IVA standard disk stamped "MCD 285 1955"	3320.765
20 45	17.26	U.E., 22 ft W. of, and level with centerline of rd.; on concrete base of Shell gas pump; chiseled square	3247.08
20 49	18.70	Warrensville, 9.7 mi W. of, along State Highway 88 to Creston, thence 5.0 mi S. along graveled rd. up Three Top Creek; 250 ft E. of two-story house; 350 ft S. of barn; in N. end of W. headwall of bridge over Three Top Creek; IVA standard disk stamped "MCD 283 1955"	3123.09
20 51	19.36	U.E., on N. end of E. headwall of bridge over Three Top Creek; chiseled square	3070.63
20 52	19.96	U.E., 10 ft E. of, and 3 ft higher than centerline of rd.; on rock ledge; chiseled square	3067.59
20 53	20.47	"MCD 281 1955" (Described in line 4)	3018.750

LINE 6 (Cont'd)Feet

20 54	21.01	U.E., 15 ft W. of, and level with centerline of rd.; on small rock; chiseled square	3021.82
20 57	22.23	U.E., 15 ft E. of, and 1 ft higher than centerline of rd.; on large rock; chiseled square	2911.45
20 58	22.77	Warrensville, 9.7 mi W. of, along State Highway 88 to Creston, thence 0.9 mi S. along graveled rd. up Three Top Creek; in N. end of W. headwall of bridge over Elk Creek; TVA standard disk stamped "MCD 279 1955 RESEI 1963"	2879.641
20 60	23.59	U.E., Creston; 150 ft S. of junction of State Highway 88 and County Road 1100; at Creston Methodist Church; on SW. corner of upstream end of N. abutment of steel bridge over N. fork New River; chiseled square	2855.52
20 63	25.01	Creston Post Office, 0.6 mi W. of, along State Highway 88 to colored church; 60 ft E. of centerline of hwy.; 8 ft NW. of NE. corner of church; in rock outcrop; standard tablet stamped "TY 21 TWC 1950"	2894.592

LINE 7.

By D. S. Wright, 1963; Book AV 956

19 51	0.00	"TY 16 TWC 1950 2728" (Described in line 2)	2728.218
19 51	0.30	Reference mark No. 2; 20 ft upstream from bridge; 20 ft landward from edge of low water channel; on bedrock on right bank; chiseled square (Gaging station reference mark)	2705.61