

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

103
35-077-24
AYDEN QUADRANGLE
103 NORTH CAROLINA
N3515-W7715/15
DIAGRAM NI 18-1
ROCKY MOUNT

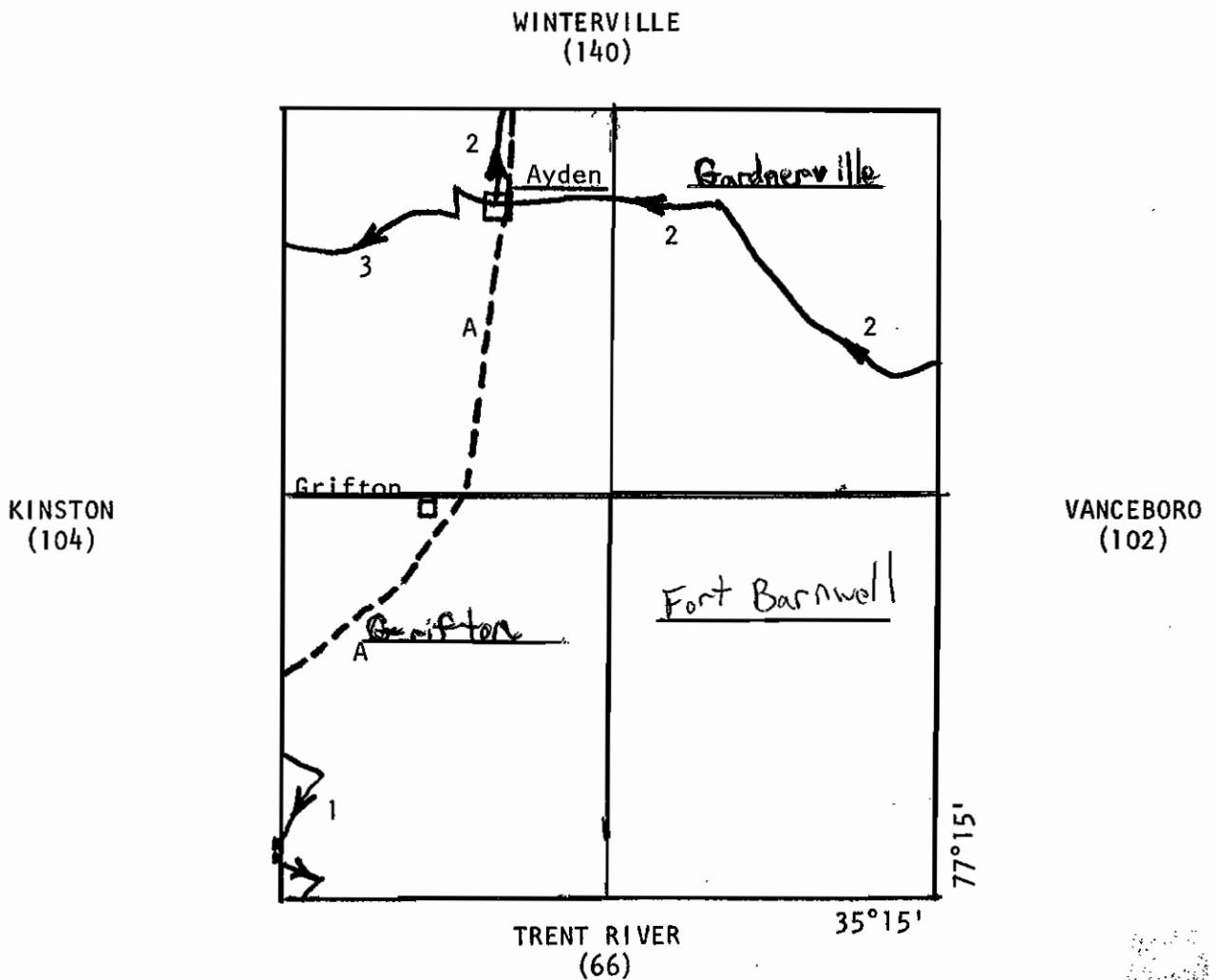
Craven, Lenoir, and Pitt
Counties

Preliminary adjustment of 1980

Edition of 8/7/80

PR: JWG/wjf

NGVD 29
Elevations



NGS (USC&GS) VERTICAL CONTROL DATA

A - Line 104 - Quadrangle 350772

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	<u>Feet</u>
ISOLATED BENCH MARKS (By C. B. Kendall, 1901; Book 9024 and C. W. Arnold, 1913; Book A9239)	
Grifton, 0.6 mi S. of station, along Atlantic Coast Line Railroad; at steel bridge over Contentnea Creek; 4.6 ft W. of W. rail; in top of S. concrete and brick abutment; 1.0 ft N. of S. edge; 1.2 ft E. of W. edge; standard tablet stamped "32 RESET 1952"	26.116
Hanrahan, 3 ft E. of NE. corner of Jacob McLawhon's store; 57 ft W. of center of track; 115 ft S. of section foreman's house; on iron post; standard cap stamped "67 RALEIGH"	63.196
Ayden, 50 ft SW. of SW. corner of station; 100 ft W. of W. rail; 40 ft N. of center of main public rd.; 10 ft E. of store of Cannon & Lyon; on iron post; standard cap stamped "67 RALEIGH" (Tied by NGS, 1935)	64.203
Calico, 75 ft W. of former post office; 10 ft left of rd. to Gardnerville; in fence corner; on iron post; standard cap stamped "43 RALEIGH" (Reported not found, 1978)	42.030
Cardnerville, 200 ft S. of; at right of rd.; in SE. corner of J. E. Gardner's front yard; on iron post; standard cap stamped "34 RALEIGH"	33.146
Maplecypress, 3 ft N. of NW. corner of J. B. Gardner's store; on iron post; standard cap stamped "23 RALEIGH"	22.574
Maplecypress, 6.2 mi S. of; 300 ft SW. of junction of Core Creek Road with Neuse Road; halfway between cedar tree and edge of rd.; in Oliver Rigg's front yard; on iron post; standard cap stamped "42 RALEIGH"	41.693
Grainger, 8.3 mi N. of; 15 ft NW. of center of rd. forks; on iron post; standard cap stamped "1913 39"	38.822
Ridge Springs, 60 ft S. of Speer & Edwards store; on iron post; standard cap stamped "PRIM TRAV STA NO 10 1913 36" (<u>Reported destroyed, 1969.</u>)	36.055

LINE 1.

By W. S. Monk, 1954; Book AV 412a

Grainger, 0.5 mi SE. of station, thence 1.9 mi S., thence 1.1 mi E.; at NW. end of concrete bridge crossing Neuse River; on abutment; chiseled cross	39.28 11.973
Grainger, 0.5 mi SE. of station, thence 1.9 mi S., thence 1.8 mi E.; 3.2 mi E. of junction of State Highways 11 and 55; 205 ft NE. of Fletcher D. White store and service station; 40 ft N. and 30 ft W. of, and level with crossroads; 25 ft E. of pole; in concrete post; standard tablet stamped "91 WSM 30 1954" (<u>Reported destroyed, 1970</u>)	30.374

LINE 1 (Cont'd)

Feet

Reference mark, 140 ft S. of tablet; 55 ft S. and 100 ft W. of crossroads; on concrete base for sign; chiseled cross

29.40

Grainger, 0.5 mi SE. of station, thence 1.9 mi S., thence 1.8 mi E., thence 2.2 mi S.; 3.0 mi SE. of Kinston, along U. S. Highway 70, thence 3.6 mi NE.; 2.2 mi S. of Fletcher D. White store and service station; 37 ft SW. and 27 ft NW. of, and level with T-rd. SE.; 15 ft SW. of dim rd. NW.; in concrete post; standard tablet stamped "92 WSM 33 1954"

32.846 10, 0 11

LINE 2.

By R. L. Meador, 1978; Book AV 1732

1 8 9.17 Calico, 152 ft N.; 51.5 ft W. and 0.7 ft lower than centerline of crossroads; 2.5 ft N. of power pole; 0.5 ft E. of metal witness post; in concrete post projecting 2 in.; standard tablet stamped "18 MEA 1978 41"

41.220 12.6

1 9 9.84 U.E., centerline of Y-rd.; nail & cap

39.222

1 10 10.63 U.E., centerline of bridge; nail & cap

32.472 12.75

1 11 11.62 Calico, 2.5 mi W. of along State Rt. 102; at Stokestown; 95 ft S.; 51 ft E., and 1.2 ft lower than centerline of crossroads; 2 ft NW. of power pole; 0.5 ft W. of metal witness post; top of concrete post; standard tablet stamped "19 MEA 1978 42"

41.859 12.75

1 12 12.67 U.E., centerline of rd. at rd. SW.; nail & cap

43.047

1 13 13.32 U.E., centerline of T-rd. NE.; nail & cap

45.576 13.8

1 14 14.23 Stokestown, 2.6 mi W. of along State Rt. 102; 19 ft N. and 1.8 ft lower than centerline of rd. at small drain crossing; 2.7 ft E. of W. end of concrete headwall; standard tablet stamped "20 MEA 1978 45"

45.003 13.8

1 15 15.14 U.E., centerline of T-rd. N.; nail & cap

54.792

1 16 15.97 U.E., centerline of X-rds.; nail & cap

50.196

1 17 16.38 Stokestown, 4.8 mi W. of along State Rt. 102; 3.5 mi E. of Ayden; 14 ft N. and 0.7 ft higher than centerline W. end of bridge; 4 ft E. of W. end of N. wheel guard; standard tablet stamped "21 MEA 1978 42"

41.637 12.7

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ElevationsLINE 2 (Cont'd)Feet

1	18	17.34	U.E., centerline of X-rds.; nail & cap	67.494
1	19	18.04	Ayden, 1.8 mi E. of along State Rt. 102; 49 ft S., 55 ft E., and 1.3 ft lower than centerline of crossroads; 2 ft NW. of N. post of Ayden Country Club sign; 1 ft N. of right-of-way marker; in top of concrete post; standard tablet stamped "22 MEA 1978 68"	67.917 20.7
1	20	18.59	U.E., centerline of T-rd. N.; nail & cap	57.123
1	21	19.43	U.E., centerline of X-rds.; nail & cap	57.819
1	22	19.83	Ayden, about 175 ft E. of Ayden Town Hall; 14 ft E. of E. rail of track; 32 ft NE. and 0.5 ft higher than centerline of Rt. 102 and R.R. crossing; set in E. side of concrete base of R.R. crossing signal; standard tablet stamped "23 MEA 1978 62"	62.433 19,030
1	23	20.55	U.E., centerline of X-rds.; nail & cap	65.451
1	24	21.40	Ayden, ^{1.5} 0.9 mi N. of ^{NC 102} City Hall, along Rt. 1149; 18 ft E. of N. end of bridge; 1 ft S. of N. end of E. wheel guard; standard tablet stamped "24 MEA 1978 48"	48.129 44.7
1	25	21.94	U.E., centerline of X-rds.; nail & cap	62.529
1	26	22.70	U.E., centerline of T-rd. E.; nail & cap	64.079
1	27	24.00	"75 RALEIGH" (Tied by NGS, 1935)	72.693

LINE 3.

1	30	0.00	"23 MEA 1978 62" (Described in Line 1)	62.433
1	30	1.11	U.E., centerline of junction State Rts. 11 & 102 at centerline Medina Strip; nail & cap	66.015
1	31	1.42	Ayden, 1.2 mi W. of City Hall along State Rt. 102, thence 0.1 mi S., thence 0.1 mi SW., thence 0.05 mi W.; 31 ft S.; 260 ft W., and 1.1 ft higher than centerline of T-rd. W.; 5 ft NE. of telephone pole; 26 ft W. of drive S.; in top of concrete post; standard tablet stamped "1 EJS 1978 66"	66.279 20,202
1	32	1.96	U.E., centerline of T-rd. N.; nail & cap	67.470
1	33	2.94	U.E., centerline of X-rds.; nail & cap	60.978

LINE 2 (Cont'd)

Feet

1 34 3.54 Ayden, 1.1 mi W. of City Hall along State Rt. 102, thence 0.6 mi S., along State Rt. 11, thence 1.8 mi W. along Rt. 1113; 27 ft S. and 1.3 ft lower than centerline of rd. at drain crossing; set in center of S. concrete headwall; standard tablet stamped "25 MEA 1978 46"

46.062 14.040

1 35 4.80 Ayden, 5.6 mi SW. of City Hall along State Rt. 102; at bridge over Little Contentnea Creek; set in top of W. end of N. concrete guard rail; standard tablet stamped "26 MEA 1978 41"

41.316 12.6

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Elevations