

RE-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

36-078-24
HENDERSON QUADRANGLE
238 NORTH CAROLINA
N3615-W7815/15
DIAGRAM NJ 17-12
GREENSBORO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Franklin, Granville, Vance,
and Warren Counties

Final adjustment of 1975

Edition of 8/21/75

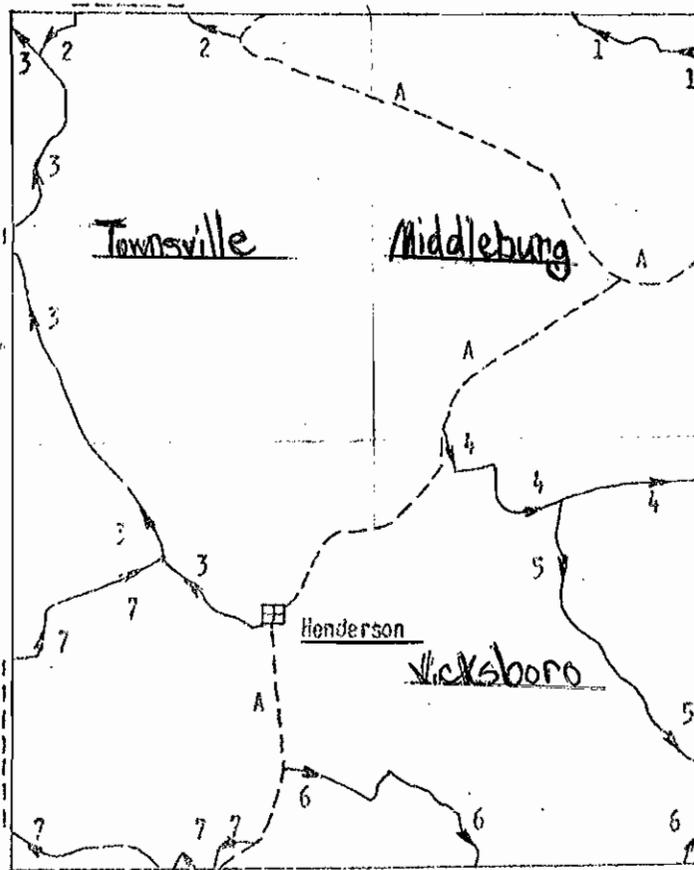
PR: WSM/rmc

NGVD 29
Elevations

BOYDTON
(263 N.C.-11 VA.)

OXFORD
(239)

NORLINA
(237)



78°15'

LOUISSBURG
(209)

36°15'

NGS (USGRS) VERTICAL CONTROL DATA

A. Quadrangle 360782

238 NORTH CAROLINA
HENDERSON QUADRANGLE

38
36-078-24
N3615-W7815/15

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118 HLZ			

NGVD 29
Elevations

1954

LINE 1.

Feet

By S. K. Sampsell, 1954; Book AV 386

Oine, 0.3 mi NW. of, along State Route 1210, thence 1.11 mi W. along State Route 1217; 64 ft S. and 49 ft E. of intersection of State Route 1226; on bank approximately 2 ft higher than pavement of present rd.; in concrete post 1 ft higher than ground; standard tablet stamped "92 SKS 1954 RESET 1974"

326.491

Oine, 0.3 mi NW. of, along macadam rd., thence 2.6 mi W. and SW. along dirt rd.; at T-rd. NW.; 27 ft SE. of center of T-rd. NW.; 5 ft SW. of signpost with arrows "DREWRY 4 MI." and "VANCE CO. 3 MI."; in concrete post; standard tablet stamped "93 SKS 1954 372" (Reported destroyed, 1970)

372.404

Reference mark; 117 ft E. of center of T-rd. NW.; in root on NE. side of 12 in. oak tree; copper nail and washer

373.88

U.E., Oine, 0.3 mi NW. of, along macadam rd.; thence 3.2 mi W. and SW. along dirt rd.; at wooden bridge crossing small stream; 19 ft NW. of NW. end of bridge; in S. side of 28 in. tree; copper nail and washer

289.82

LINE 2.

By R. L. Meador, 1967; Book AV 1484

1 7 0.00 "H 36 1932" (NGS)

420.898

1 7 1.14 Townsville, 0.4 mi SW. of high school, along State Highway 39, thence 0.8 mi NW. along County Road 1348; 53 ft SE. and 52 ft SW. of, and 2.0 ft higher than centerline of rd. at junction of T-rd. W.; 0.5 ft E. of metal witness sign; in concrete post projecting 0.2 ft above ground; standard tablet stamped "48 MEA 1967 399"

399.403

[Joys into Boydton quadrangle]

1 14 5.10 Tungsten Mines, 1.2 mi S. of old post office; 129 ft SW. and 38 ft SE. of, and about level with centerline of rd. at junction of drive SE.; 0.5 ft W. of metal witness sign; in concrete post projecting 0.3 ft above ground; standard tablet stamped "52 MEA 1967 425" JAN 18, 1995 GOOD - NO GPS WELL

424.907

1 16 6.20 Tungsten Mines, 2.3 mi S. of old post office; 3.1 mi E. of Bullock; 44 ft N. and 39 ft W. of, and level with centerline of County Road 1342 at junction of County Road 1348 NE.; 0.5 ft S. of metal witness sign; in concrete post projecting 0.2 ft above ground; standard tablet stamped "53 MEA 1967 405" GOOD - VERY GOOD GPS

405.451

0.75 MI E. ALONG SR 1342 FROM GRANVILLE CO. LINE (ISLAND CREEED) JAN 18, 1995
SR 1348 (TUNGSTEN MINERD) SR 1342 (MORGAN RD) WELL

By H. L. Zohn, 1970; Book AV 1574

1 5 0.00 "H 7 1918" (NGS)

47.5' NW OF E SR 1348
44.4 NE OF E SR 1342
75.2 N OF INT. (R/R SPIKE)

NGVD 29
Elevations

508.624

LINE 3 (Cont'd)Feet

1	6	1.17	Henderson, at North Carolina National Guard Armory; at main entrance to building; in SE. end of concrete slab; standard tablet stamped "70 HLZ 1970"	491.315
1	9	2.75	Henderson, about 1.7 mi NW. of; 32 ft NW. of centerline of County Road 1209; opposite parking lot for Perfect Packed Products Corporation; 55 ft NNE. of centerline of RR. crossing; 77 ft NNE. of post with RR. cross arm and aluminum reference tag; 19 ft SW. of anchor pole with aluminum reference tag on NW. side of Road 1209; 123 ft NE. of power pole with aluminum reference tag on SW. side of RR.; 99 ft NE. of hwy. right-of-way marker on SW. side of RR.; in concrete cylinder top of which is 0.2 ft below surface of ground; NCGS standard traverse station disk stamped "PERFECT 1969"	481.427
1	12	4.10	Henderson, 1.3 mi NW. of Perfect Packed Pickle Company, along county rds.; at St. Andrews Presbyterian Church; at W. entrance to church; in N. end of second step; standard tablet stamped "71 HLZ 1970"	511.551
1	14	5.19	Henderson, 2.4 mi NW. of Perfect Packed Pickle Company, along county rds.; at 28 ft bridge over small stream; in SW. end of SE. backwall; standard tablet stamped "72 HLZ 1970"	403.051
1	18	6.94	Henderson, 4.0 mi NW. of Perfect Packed Pickle Company, along county rds.; 138 ft N. of junction of County Roads 1303 and 1327; 1 ft SW. of witness sign; in concrete post projecting 0.2 ft; standard tablet stamped "73 HLZ 1970"	500.410
1	22	8.73	Henderson, 5.8 mi NW. of Perfect Packed Pickle Company, along county rds.; 175 ft NW. of junction of County Roads 1303 and 1327; 1 ft E. of witness sign; in concrete post flush with ground; standard tablet stamped "74 HLZ 1970"	461.073
1	30	11.87	Henderson, 8.8 mi NW. of Perfect Packed Pickle Company, along county rds.; 34 ft E. of, and about 2 ft higher than centerline of rd. opposite; 120 ft NE. of junction of County Roads 1303 and 1339; 1 ft W. of witness sign; in concrete post flush with ground; standard tablet stamped "75 HLZ 1970"	434.881
1	33	13.50	Henderson, 10.3 mi NW. of Perfect Packed Pickle Company, along county rds.; 166 ft E. of junction of County Roads 1303 and 1341; 35 ft S. of, and about level with centerline of rd. opposite; 1 ft N. of witness sign; in concrete post projecting 0.2 ft; standard tablet stamped "76 HLZ 1970"	428.802
1	36	15.25	"53 MCA 1967 405" (Described in line 2)	405.451

LINE 4.

By H. L. Zohn, 1970; Book AV 1574

4 6 0.00 "K 6 DAG 1918" (NLS)

NGVD 29
Elevations

489.799

NGVD 29
 Elevations

LINE 4 (Cont'd)

Feet

- 4 7 1.12 Brookston, about 200 ft E. of junction of County Roads 1505 and 1507; 32 ft N. of, and about 1 ft lower than centerline of rd. opposite; 0.5 ft S. of witness sign; in concrete post projecting 0.1 ft; standard tablet stamped "106 HLZ 1970" 496.674
- 4 10 2.45 Henderson, about 6.0 mi NE. of; 2.8 mi S. of intersection of County Road 1501 and old U. S. Highway 1 in Middleburg; along Road 1501; 0.4 mi S. of intersection of County Roads 1505 and 1001; 0.7 mi N. of intersection of County Roads 1501 and 1001; 20 ft E. of centerline of Road 1501; 23 ft N. of centerline of driveway to one-story brick residence of W. W. Wortham; 58 ft NW. of power pole No. 13 with aluminum reference tag; 58 ft W. of 36 in. oak tree; in concrete post 1 in. below surface of ground; NCGS standard disk stamped "WORTHAM 1969" 510.212
- 4 11 2.79 Henderson, about 5.6 mi NE. of; 3.2 mi S. of intersection of County Road 1501 and old U. S. Highway 1 in Middleburg, along Road 1501; 0.8 mi S. of intersection of County Roads 1505 and 1501 at Carver Elementary School; 0.3 mi N. of intersection of County Roads 1501 and 1001; 25 ft W. of centerline of Road 1501; 11 ft SE. of 6 in. oak tree with aluminum reference tag at SE. corner of woods; 6 ft SSE. of 8 in. pine tree with aluminum reference tag at SE. corner of woods; 102 ft S. of power pole No. 8 with aluminum reference tag; in concrete cylinder top of which is 0.2 ft below surface of ground; NCGS standard disk stamped "STANBACK 1969" 517.611
- 4 12 3.08 Henderson, 2.2 mi E. of intersection of U. S. Highway 1 Bypass and County Road 1001, along Road 1001 to intersection of County Roads 1001 and 1501; 46 ft S. of centerline of Road 1001; 15 ft S. of green underground telephone post No. 1883-13; 16 ft S. of signpost with aluminum reference tag; 53 ft NW. of telephone pole No. 1883-13A with aluminum reference tag; 84 ft NE. of 8 in. poplar tree with aluminum reference tag; in concrete cylinder top of which is flush with surface of ground; NCGS standard traverse station disk stamped "REAVIS 1969" 486.157
- 4 13 3.33 Henderson, 2.4 mi E. of intersection of U. S. Highway 1 Bypass and County Road 1001, along Road 1001 to intersection of County Roads 1001 and 1510; 28 ft NE. of centerline of Road 1001; 58 ft WSW. of 8 in. white oak tree with aluminum reference tag; 8 ft NW. of center of dirt drive; 14 ft SW. of 24 in. hickory tree with aluminum reference tag; 54 ft SSW. of 30 in. pine stump with aluminum reference tag; in concrete cylinder top of which is flush with surface of ground; NCGS standard traverse station disk stamped "LOVE 1969" 488.009
- 4 15 4.17 Henderson, 2.5 mi E. of intersection of U. S. Highway 1 Bypass and County Road 1001, along Road 1001 to intersection of Road 1510, thence 1.0 mi along Road 1001; about 125 ft W. of driveway leading to home of Mr. Harton; 121 ft ESE. of power pole with transformer and with aluminum reference tag; 25 ft SSE. of centerline of Road 1001; 94 ft ENE. of 24 in. elm tree in yard of Harton residence; 110 ft ENE. of 14 in. elm tree in yard of Harton residence; 30 ft ENE. of NE. corner of yard; in concrete cylinder top of which is 0.2 ft below surface of ground; NCGS standard traverse station disk stamped "HARTON 1969" 489.046

LINE 4 (Cont'd)Feet

- 4 16 4.55 Henderson, 3.6 mi E. of intersection of County Road 1001 and U. S. Highway 1 Bypass, along Road 1001 to intersection of County Road 1511, thence 0.2 mi along Road 1001; about 200 ft E. of dirt rd. leading to trailer home; 36 ft N. of centerline of Road 1001; 39 ft S. of power pole with aluminum reference tag; 142 ft ESE. of 12 in. pine tree with aluminum reference tag; 105 ft NE. of green underground cable post No. 1883-17-12; in concrete cylinder top of which is flush with surface of ground; NCGS standard traverse station disk stamped "GREY 1969" 439.035
- 4 17 5.14 Warrenton, 6.8 mi W. of intersection of U. S. Highway 401 and County Road 1001, along Road 1001 to intersection of County Road 1100, thence 1.6 mi along Road 1001; 0.2 mi E. of Vance-Warren County line; 38 ft S. of centerline of Road 1001; 24 ft ENE. of centerline of dirt drive; 7 ft ESE. of green underground cable post No. 1883-17-15; 46 ft NNE. of 8 in. formosa tree with aluminum reference tag; 45 ft NE. of 4 in. persimmon tree with aluminum reference tag; in concrete cylinder top of which is 0.1 ft below surface of ground; NCGS standard traverse station disk stamped "SHORT 1969" 448.354
- 4 18 5.45 Warrenton, 6.8 mi W. of intersection of U. S. Highway 401 and County Road 1001, along Road 1001 to intersection of Road 1001 and County Road 1100, thence 1.4 mi along Road 1001; 55 ft N. of centerline of Road 1001; 7 ft E. of dirt drive leading to two-story wood frame house; 43 ft SW. of 10 in. cedar tree; 54 ft SSE. of 8 in. elm tree; 22 ft ENE. of 24 in. oak tree; 62 ft NE. of power pole with aluminum reference tag; in concrete cylinder top of which is 0.1 ft below surface of ground; NCGS standard traverse station disk stamped "CEDAR 1969" 431.158
- 4 20 6.46 Warrenton, 6.8 mi W. of intersection of U. S. Highway 401 and County Road 1001, along Road 1001 to intersection of Road 1001 and County Road 1100, thence 0.3 mi along Road 1001; about 150 ft W. of dirt rd.; 34 ft S. of centerline of Road 1001; 73 ft SSE. of 16 in. pine tree with aluminum reference tag on N. side of Road 1001; 79 ft SSW. of 14 in. pine tree with aluminum reference tag; 85 ft W. of 6 in. pine tree with aluminum reference tag; 74 ft S. of 10 in. pine tree with aluminum reference tag; in concrete cylinder top of which is 0.2 ft above surface of ground; NCGS standard traverse station disk stamped "BROWN 1969" 441.339
- 4 21 6.73 Warrenton, 6.8 mi W. of intersection of U. S. Highway 401 and County Road 1001, along Road 1001 to intersection of County Road 1100; 32 ft N. of centerline of Road 1001; 54 ft E. of centerline of Road 1100; 94 ft from "Axtell" signpost with aluminum reference tag; 13 ft SSE. of 30 in. oak tree; 48 ft SW. of 6 in. pecan stump with aluminum reference tag; in concrete cylinder top of which is 0.1 ft below surface of ground; NCGS standard traverse station disk stamped "AXTELL 1969" 457.819

NGVD 29
Elevations

1970

LINE 5.

Feet

By H. L. Zohn, 1970; Book AV 1574

4	41	0.00	"LOVE 1969" (NCGS) (Described in line 4)	488.009
4	44	2.28	Vicksboro, 2.2 mi NW. of junction of County Roads 1134 and 1126, along county rds.; 9/4 ft NW. of, and about level with junction of County Roads 1515 and 1518; 1 ft SE. of witness sign; in concrete post projecting 0.3 ft; standard tablet stamped "110 HLZ 1970"	456.658
4	46	3.44	Vicksboro, about 400 ft NW. of Thomas Chapel; 144 ft NNE. of, and about 6 ft higher than junction of County Roads 1516 and 1533; 1 ft W. of witness sign; in concrete post projecting 0.2 ft; standard tablet stamped "111 HLZ 1970"	440.756
4	48	4.48	Vicksboro, about 300 ft N. of Shocco Methodist Church; 43 ft NE. of centerline of County Road 1134; 30 ft SW. of centerline County Road 1133; 1 ft NW. of witness sign; in concrete post projecting 0.2 ft; standard tablet stamped "112 HLZ 1970"	446.118
4	52	6.29	Vicksboro, 2.0 mi SE. of Shocco Methodist Church, along County Road 1134; 37 ft SE. of, and about 0.5 ft higher than junction of County Roads 1134 and 1135; 1 ft N. of witness sign; in concrete post projecting 0.2 ft; standard tablet stamped "113 HLZ 1970"	408.849

LINE 6.

By H. L. Zohn, 1970; Book AV 1574

5	6	0.00	"P 7 DEC 1918" (NGS)	512.322
5	6	0.50	"BEARPOND 1969" (NGS)	512.754
5	9	2.03	Gillburg, 0.5 mi S. of junction of State Highway 39 and County Road 1519, along Road 1519; 135 ft NE. of, and about 7 ft higher than centerline of rd. opposite; in top of large boulder; standard tablet stamped "127 HLZ 1970"	481.924
5	12	3.45	Gillburg, 1.0 mi SE. of junction of State Highway 39 and County Rod 1519; along Highway 39; at 6 ft culvert; 14 ft N. of, and about level with centerline of hwy. opposite; in center of culvert; standard tablet stamped "128 HLZ 1970" (<u>Reported destroyed, 1971</u>)	469.781
5	14	4.84	Epson, 1.0 mi NW. of elementary school, along State Highway 39; 19 ft NE. of, and about level with centerline of hwy. opposite; in center of 6 ft culvert; standard tablet stamped "129 HLZ 1970"	485.373

[logs into Louisburg quadrangle]

NGVD 29
Elevations

1970

LINE 7.

Feet

By H. L. Zohn, 1970; Book AV 1574

5	50	0.00	"S 7 R.M. DED 1918" (NGS)	488.181
5	57	3.52	Gill, 1.7 mi SW. of junction of U. S. Highway 1 and County Road 1548, along Highway 1 (business), thence 2.0 mi W. along County Road 1107; 72 ft NW. of, and about 1.5 ft lower than centerline of crossroads; 0.5 ft SE. of witness sign; in concrete post projecting 0.2 ft; standard tablet stamped "119 HLZ 1970"	490.978
5	59	4.70	Gill, 1.7 mi SW. of junction of U. S. Highway 1 and County Road 1548, along Highway 1 (business), thence 3.2 mi W. along County Road 1107; 41 ft N. of, and about 9 ft higher than centerline of rd. opposite; in top of rock outcrop; standard tablet stamped "120 HLZ 1970"	304.191
5	62	5.86	Henderson, 3.5 mi SW. and W. of St. James Baptist Church, along U. S. Highway 158 (business), thence 3.4 mi S. along County Road 1110, thence 0.4 mi SE. along County Road 1107; about 300 ft SE. of junction of County Roads 1107 and 1109; 32 ft E. of, and about 1 ft higher than centerline of rd. opposite; 0.5 ft W. of witness sign; in concrete post projecting 0.2 ft; standard tablet stamped "121 HLZ 1970"	412.952

[Jogs into Oxford quadrangle]

5	70	10.08	Henderson, 3.0 mi SW. and W. of St. James Baptist Church, along U. S. Highway 158 (business); at Hermon Methodist Church; 159 ft SW. of SW. corner of church; 159 ft SW. of SW. corner of church; 38 ft N. of, and 3 ft higher than centerline of hwy. opposite; in concrete post projecting 0.3 ft; in concrete post; standard tablet stamped "124 HLZ 1970"	496.818
5	72	11.26	Henderson, 2.7 mi SW. of Perfect Packed Pickle Company, along U. S. Highway 158 (bypass); 108 ft SW. of, and about 1 ft higher than junction of Highway 158; and County Road 1126; 1 ft N. of witness sign; in concrete post projecting 0.2 ft; standard tablet stamped "125 HLZ 1970"	497.945
5	75	12.37	Henderson, 1.6 mi SW. of Perfect Packed Pickle Company, along Highway 158 (Bypass); 96 ft NNE. of, and about 11 ft higher than junction of Highway 158 and County Road 1301 (P. K. nail in center of U. S. 158 bypass = centerline new line for County Road 1301); 1 ft S. of witness sign; in concrete post projecting 0.1 ft; standard tablet stamped "126 HLZ 1970 RESET 1972"	455.712

NGVD 29
Elevations

LINE 7 (Cont'd)

feet

5	76	13.18	Henderson, 2.6 mi W. of intersection of State Highway 39 and U. S. Highway 158 (bypass) along Highway 158; 0.1 mi W. of intersection of County Road 1302 (Loop Road) with Highway 158; 58 ft N. of centerline of Highway 158; 12 ft N. of S. side of bank; 272 ft W. of hwy. right-of-way marker at W. side of driveway to two-story white frame house; 282 ft WNW. of centerline of driveway to two-story white frame house; 267 ft WNW. of telephone pedestal on N. side of Highway 158; in concrete cylinder top of which is 0.2 ft below surface of ground; NCGS standard traverse station disk stamped "LOOP 1969"	456.326
5	77	13.91	"PERFECT 1969" (NCGS) (Described in line 3)	481.427

NGVD 29
Elevations

NCGS 3RD ORDER
ELEVATION TRANSFER

DATE 88-03-29 TIME 15:40
 LEVEL NE 1 71130 JOB INSTR. # _____
 ROD MOUND CITY JOB INSTR. # _____
 UNITS = METERS

TPS

FROM BENCH MARK 78 RJN 1964 (SPN) TO STATION SPIKE (SPN)

FORWARD RUN		BACKWARD RUN	
BS	FS	BS	FS
3.902			
1) 4.291	0.345	0.353	4.299

TOTALS:

DE = + 3.946 METERS DE = - 3.946 METERS

EWB

78 RJN BENCH MARK ELEVATION (METERS) 156.629
 MEAN DE 3.946
 STATION _____ ELEV (METERS) 160.575

✓ rod 8/7/95

DATE _____ TIME _____
 LEVEL _____ JOB INSTR. # _____
 ROD _____ JOB INSTR. # _____
 UNITS = METERS

FROM BENCH MARK _____ TO STATION _____ (SPN)

Cartin
~~PERSON~~
 PERSON
 NED PERRY
 3-4699
 78 RJN 1964
 514
 1-800-222-8240

FORWARD RUN	
BS	FS

NGVD 29 Elevations

DE = _____ METERS

N (METERS) _____
 MEAN DE _____
 LEV (METERS) _____