

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

42

34-078-14
GARLAND QUADRANGLE
NORTH CAROLINA
N3445-W7815/15
DIAGRAM NI 17-6
FLORENCE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Bladen and Sampson Counties

Adjustment of 1974

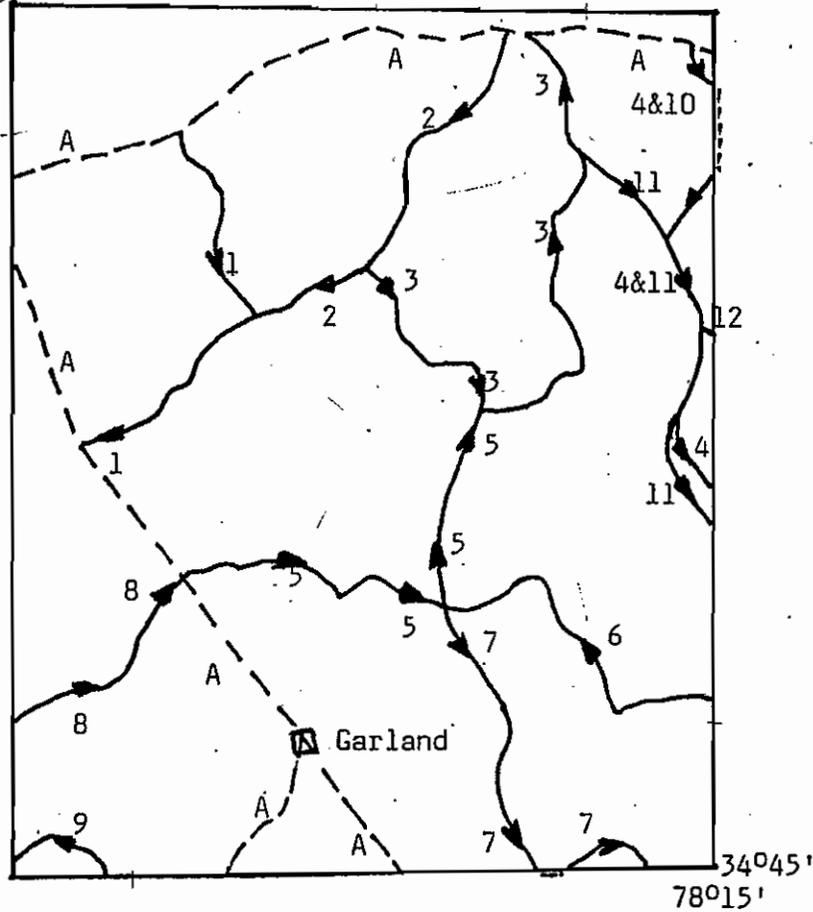
Edition of 1/11/81

PR: LB/lac

COHARIE
(70)

NGVD 29
Elevations

78°30'
35°00'



ROSEBORO
(43)

ROSE HILL
(41)

WHITE LAKE
(27)

NGS
S (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 340781

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NGVD 29
Elevations

NGVD 29
ElevationsLINE 1.

By J. J. Spahr, 1951; Book AV 274

"P 31 1932" (NGS) ELEV 151.565 feet

Roseboro, 4.2 mi NE. of, along State Highway 24, thence 1.0 mi SE. along secondary rd.; 5.2 mi NE. of Highsmith; 63 ft S. of, and level with jct. with T-rd. southeast; 25 ft SE. of center of northeast-southwest rd.; 15 ft NW. of telephone pole No. 26, in concrete post; standard tablet stamped "226 JJS 1951 144"

144.402 feet

Roseboro, 4.2 mi NE. along State Highway 24, thence 2.6 mi SE. along secondary rd., 4.2 mi NNE. of McDaniel, 60 ft NW. of, and level with jct. with Y-woods rd. west, 21 ft W. of center of main north-south rd., in concrete post; standard tablet stamped "227 JJS 1951 143"

142.846 feet

McDaniel, 10.4 mi SW. of Clinton, 6.0 mi SE. of Roseboro, 50 ft S. of, and level with intersection with Garland-Roseboro rd., 36 ft SW. of center of northwest-southeast rd., in concrete post; standard tablet stamped "229 JJS 1951 106"

105.701 feet

Reference mark, 45 ft NW. of tablet, on northwest end of concrete pipe culvert; chiseled square

101.18 feet

"N 156 1935" (NGS) 126.296 feet

LINE 2.

By J. J. Spahr, 1951; Book AV 274

"S 31 1932" (NGS) 155.958 feet

Clinton, 2.4 mi SSW. of Seaboard Coast Line Railroad Station, along Clinton-McDaniel rd., 36 ft NW. of, and 1 ft higher than intersection with north-south crossroad, 8 ft N. of pole No. 826, in concrete post; standard tablet stamped "230 JJS 1951 162" (Destroyed, 1959)

162.209 feet

Reference mark, 80 ft E. of tablet, on west corner of concrete base of gasoline pump; chiseled square

161.63 feet

U. E., Clinton, 3.5 mi SW. of, on north end of east guard rail of bridge over northwest-southeast branch; chiseled square

103.43 feet

Clinton, 4.2 mi SW. of, along Clinton-McDaniel rd., 6.3 mi NE. of McDaniel, about 0.35 mi S. of fire tower, 55 ft NE. of and 2 ft higher than jct. with private drive to residence 25 ft E. of center of main rd., 6 ft N. of telephone pole, in concrete post; standard tablet stamped "231 JJS 1951 155"

155.304 feet

McDaniel, 4.3 mi NE. of crossroads, along Clinton rd., 33 ft NE. of and 1 ft lower than jct. with T-rd. southeast, 26 ft E. of center of northeast-southwest rd., in concrete post; standard tablet stamped "232 JJS 1951 135"

135.317 feet

NGVD 29
ElevationsLINE 2 (Cont'd)

Reference mark, 90 ft W. of "232 JJS", in east base of electric pole; spike
137.26 feet

McDaniel, 2.5 mi NE. of crossroads, along Clinton rd., 58 ft SW. of and level with intersection with north-south rd., 32 ft W. of center of north-south rd., in concrete post; standard tablet stamped "228 JJS 1951 144"
143.969 feet

LINE 3.

By J. J. Spahr, 1951; Book AV 274

"232 JJS 1951 135" (Described in line 2) 135.317 feet

Clinton, 6.1 mi SW. of, to T-jct. with rd. southeast, thence 1.8 mi SE., 2.0 mi WNW. of T-jct. with U. S. Highway 701, 27 ft E. of, and level with jct. with Y-woods rd. southwest, 132 ft SE. of telephone pole, in concrete post; standard tablet stamped "233 JJS 1951 117"
117.054 feet

U. E., Clinton, 6.9 mi SW. of, at center of concrete outlet to small lake; chiseled square
90.12 feet

Clinton, 7.8 mi S. of, along U. S. Highway 701, 4.7 mi N. of Ingold, 27 E. of, and level with jct. with rd. west, on projected center of east-west rd., 28 ft N. of pine tree, in concrete post; standard tablet stamped "234 JJS 1951 149"
148.962 feet

Clear Run, jct. of State Highway 41 and a dirt rd. northeast, 8.6 mi S. of Clinton, 6.6 mi WSW. along State Highway 41 from Harrells Store, 26 ft N. from center of State Highway 41, 22 ft SE. from center of dirt rd. and 40 ft WSW. of electric pole #962, in concrete post; USED capped iron pipe stamped "30 NC/3 TT-A 108/46/43"
139.333 feet

Clinton, 8.2 mi S. of (5.9 mi S. along U. S. Highway 701 to Butler Crossroad, thence 3.1 mi SE.), 2.1 mi NW. of crossroad with U. S. Highway 421, 36 ft W. of, and level with intersection of northwest-southeast rd., 5 ft S. of rd. mileage marker, in concrete post; standard tablet stamped "235 JJS 1951 139"
138.690 feet

Reference mark, 20 ft S. of "232 JJS", on north end of concrete pipe culvert; chiseled square
136.67 feet

Clinton, 6.0 mi S. of, along U. S. Highways 701 and 421 to T-jct. with rd. southwest, thence 2.5 mi S., about 1.2 mi E. of Butler Crossroads, 30 ft NW. of, and level with jct. with T-woods rd. west, 24 ft W. of center of north-south rd., in concrete post; standard tablet stamped "236 JJS 1951 139"
138.715 feet

Clinton, 3.8 mi SE. of, along U. S. Highway 421, 1.0 mi SE. of jct. of U. S. Highway 701 and 421, 53 ft SW. of, and level with jct. with Y-rd. southwest, 33 ft W. of center of U. S. Highway 421, in concrete post; standard tablet stamped "237 JJS 1951 148" (Reported destroyed, 1959)
148.234 feet

LINE 3 (Cont'd)

U. E., Clinton, 2.8 mi S. of, 36 ft S. of north point of triangle formed by jct. of U. S. Highways 701 and 421, on north end of east concrete headwall of culvert; chiseled square 132.25 feet

Clinton, 1.6 mi SE. of, along U. S. Highway 701, 87 ft N. of south point of triangle formed by jct. of U. S. Highway 701A, 421, and 701 (south entrance of Clinton bypass), 19 ft W. of center of U. S. highway 701A, 9 ft N. of Highway marker, in concrete post; standard tablet stamped "238 JJS 1951 156" (Not found, 1959) 156.209 feet

"S 31 1932" (NGS) (Also in line 2) 155.958 feet

LINE 4.

By J. J. Spahr, 1951; Book AV 274

"U 31 1932" (NGS) (Not found, 1959) 120.078 feet

(Jogs into Rose Hill quadrangle)

Moultonville; 2.7 mi S. of; 90 ft N. and 60 ft W. of, and level with crossroads; 2 ft S. of southwest corner of barn; in concrete post; standard tablet stamped "239 JJS 1951 RESET 1959 156" 155.878 feet

Taylor's Bridge, 7.3 mi N. of, 6.0 mi SE. of Clinton, along U. S. Highway 421, 55 ft E. of, and level with jct. with T-rd. northeast, 27 ft SE. of center of northeast-southwest rd.; 17 ft S. of pine tree, in concrete post; standard tablet stamped "240 JJS 1941 148" 147.871 feet

Reference mark, 20 ft SW. of "240 JJS", on center of northeast concrete headwall of culvert; chiseled square 147.24 feet

Clinton, 7.5 mi SSE. of, along U. S. Highway 421, 20 ft W. of southwest corner of the Mt. Gilead Baptist Church, 6 ft S. of south end of steps, in concrete post; standard tablet stamped "241 JJS 1951 147" (Tied in 1980) 147.273 feet

Reference mark, 6 ft N. of "241 JJS", on south end of first step to church; chiseled square 147.24 feet

Taylor's Bridge, 3.0 mi N. of, along U. S. Highway 421, at intersection of east-west rd., 33.5 ft W. of center of U. S. Highway 421, in line with center of rd. to east, 1.0 ft E. of smooth fence and in line with power poles, in concrete post; USED capped iron pipe stamped "C of E MON #20/STA #20" (Reported disturbed, 1959) 140.643 feet

LINE 4 (Cont'd)

Taylor's Bridge, 3.0 mi N. of, along U. S. Highway 421, to intersection with dirt east-west rd., thence along dirt rd. 0.5 mi to sharp curve to east and tobacco barn on north side of rd., 22.5 ft N. of center of dirt rd., 43 ft SE. of tobacco barn and on tangents of curve of center of rd., in concrete post projecting 0.5 ft above the surface; USED capped iron pipe stamped "C of E MON #21/STA 21" (Reported disturbed, 1959) ELEV 141.146 feet

LINE 5.

By J. J. Spahr, 1951; Book AV 274

"M 22" (NGS) 117.936 feet

Parkersburg, 1.6 mi E. of, 5.2 mi W. of Ingold, 60 ft N. of, and 2 ft higher than jct. with rd. east; 47 ft NE. of center of northwest-southeast rd., in concrete post; standard tablet stamped "249 JJS 1951 119" 119.461 feet

Reference mark, 42 ft NW. of "249 JJS", on top center of concrete R/W post; chiseled cross 120.26 feet

Ingold, 2.2 mi W. of post office, 54 ft E. of, and level with jct. with rd. southeast, 25 ft N. of center of northwest-southeast rd., 1.0 ft S. of fence line, in concrete post; standard tablet stamped "250 JJS 1951 59" 59.193 feet

Ingold, on south edge of village of, on triangular plot of ground between U. S. Highway 701 and graveled rd. to Harrell's Store, 48.5 ft ESE. of center of U. S. Highway 701; and 91 ft SSW. of southwest corner of small brick house belonging to T. R. Burton; in concrete post; NGS standard triangulation station tablet stamped "INGOLD 1933" 104.776 feet

Ingold, 2.6 mi N. of post office, along U. S. Highway 701, 10.5 mi S. of Clinton, 70 ft W. of, and 1 ft higher than jct. with rd. west, 33 ft NW. of center of U. S. Highway 701, in concrete post; standard tablet stamped "251 JJS 1951 119" (Destroyed, 1959) 119.076 feet

"30 NC/3 TT-A 108/46/43" (USED) (Described in line 3) 139.333 feet

LINE 6.

By J. J. Spahr, 1951; Book AV 274

Delway, 4.2 mi W. of highway intersection, 5.7 mi SE. of Ingold Post Office, 52 ft NE. of, and level with intersection with north-south rd., 22 ft N. of center of east-west rd., in concrete post; standard tablet stamped "255 JJS 1951 128" 127.268 feet

Ingold, 3.9 mi E. of post office, 4.0 mi WSW. of crossroad at Taylor's Bridge, 55 ft SE. of, and 2 ft higher than jct. with rd. northeast, 33 ft NE. of center of northwest-southeast rd., 12 ft W. of oak tree, in concrete post; standard tablet stamped "256 JJS 1951 83" (Not found, 1959) 83.070 feet

LINE 6 (Cont'd)

Ingold, 2.0 mi NE. of post office, 4.6 mi WSW. of intersection with U. S. Highway 421, 50 ft E. of, and level with jct. with rd. southeast, 21 ft NE. of center of northwest-southeast rd., 50 ft west of west corner of white frame house, in concrete post; standard tablet stamped "257A JJS 1951 117" 116.272 feet

"INGOLD 1933" (NGS) (Described in line 5) 104.776 feet

LINE 7.

By J. J. Spahr, 1951; Book AV 274

"INGOLD 1933" (NGS) (Described in line 5) 104.776 feet

Ingold, 2.9 mi SSE. of post office, 4.3 mi NW. of Clear Run, 153 ft N. of, and 2 ft lower than jct. with rd. northeast, 33 ft E. of center of north-south rd., 50 ft S. of telephone pole, in concrete post; standard tablet stamped "257 JJS 1951 50" 49.303 feet

Clear Run, 2.6 mi SW. of Black River Bridge, 5.2 mi S. of Ingold Post Office, 52 ft W. of, and 2 ft lower than intersection with northeast-southwest farm rd., 3 ft E. of east corner of tobacco barn, in concrete post; standard tablet stamped "258 JJS 1951 77" 76.559 feet

(Jogs into White Lake quadrangle)

* Clear Run, in village of, 5.6 mi WNW. of Harells Store, 27 ft E. of east corner of bridge over Black River, 30 ft W. of oak tree, 23 ft SE. of center of State Highway 211, in concrete post; standard tablet stamped "259 JJS 1951 50"

* 49.560 feet - changed

* RESET: per Bobby Ragland 8-14-89 Mark was washed out and reset across road. New ref. and elev. follow. 12 feet East of left LINE 8. upstream end of bridge, * and 40 feet upstream from highway. New elev: 50.532 ft.

By J. J. Spahr, 1951; Book AV 274

Parkersburg, 5.1 mi SW. of RR. crossing; 5.7 mi E. of Ammon; about 130 ft SE. of jct. of Y-rd. southeast; about 27 ft S. of centerline of Parkersburg-Ammon rd.; in concrete post; standard tablet stamped "196 JJS 1951 RESET 1962" 95.713 feet

Parkersburg, 3.1 mi SW. of RR. crossing; 60 ft N. of, and level with intersection of northwest-southeast rd.; 21 ft NW. of center of Parkersburg rd.; in concrete post; standard tablet stamped "197 JJS 1951 90" 90.577 feet

Reference mark, 65 ft SW. of tablet, on east corner of concrete base to gas pump; chiseled square 89.89 feet

M 22" (NGS) (Also in line 5) 117.936 feet

NGVD 29
ElevationsLINE 9.

By R. E. Welty, 1951; Book AV 260

Garland, 4.1 mi S. of, along U. S. Highway 701, thence 3.6 mi W. along sand rd. to Y-rd. west; 75 ft W. of, and 1 ft lower than jct.; 70 ft NW. of frame house; 3 ft E. of power pole; in concrete post; standard tablet stamped "37 REW 1951 109"
109.487 feet

LINE 10.

By F. B. Neary, 1959; Book AV 682

"239 JJS 1951 RESET 1959 156" (Described in line 4) 155.878 feet

Reference mark, 100 ft N. of "239 JJS", on southeast side of walk at bottom step;
chiseled square 156.45 feet

"240 JJS 1951 148" (Described in line 4) 147.871 feet

LINE 11.

By Richard L. Meador, 1980; Book AV 1748

1 2 0.00

Clinton, 2.6 mi SSE. of; in south quadrant of intersection of U. S. 421 and U. S. 701; in southeast shoulder of U. S. 701 by guard rail; 20.9 ft SE. of centerline of U. S. 701; 10.3 ft SW. of southeast end of bridge wingwall; 4.6 ft SSE. of second guard rail post from southeast end of bridge; 3.5 ft ENE. of third guard rail post from southeast end of bridge; in concrete culvert set flush with ground; standard NCGS disk stamped "FAIRCLOTH 1973" 158.070 feet

1 2 0.66

Clinton, 3.0 mi SSE. of; 0.60 mi S. along U. S. 421 from underpass with U. S. 701; on south side of driveway; 0.05 mi N. of intersection with SR 1934 east; 47.8 ft ENE. of centerline of U. S. 421 (north-bound lane); 12.3 ft SSE. of centerline of driveway 24.2 ft WSW. of power pole with aluminum reference tag; 17.9 ft NE. of south end of culvert under driveway; set in top of concrete cylinder flush with ground; standard NCGS brass traverse disk stamped "WATSON 1973" 144.229 feet

1 3 1.22

Clinton, 3.6 mi SSE. of; 1.15 mi S. along U. S. 421 from underpass with U. S. 701; 0.15 mi S. of intersection with SR. 1116 west; 37.3 ft WSW. of centerline of U. S. 421; 15.8 ft NE. of telephone pole #37 with aluminum reference tag; 105.0 ft NNW. of power pole #9754 with aluminum reference tag; 149.0 ft SE. of power pole #454 with aluminum reference tag; set in top of concrete cylinder flush with ground; standard NCGS brass traverse disk stamped "JOHNSON 1973" 148.545 feet

NGVD 29
ElevationsLINE 11 (Cont'd)

1 4 1.99

Clinton, 4.4 mi SSE. of; 1.95 mi S. along U. S. 421 from underpass of U. S. 701; 0.3 mi S. of intersection with SR. 1935 east and at end of wooden fence; 36.9 ft SW. of centerline of U. S. 421; 23.5 ft SE. of centerline of driveway; 7.9 ft NE. of end of white fence; 89.7 ft N. of service pole #9796 with aluminum reference tag; set in top of concrete cylinder flush with ground; standard NCGS brass traverse disk stamped "MATTHIS 1973" 138.504 feet

1 5 3.19

U. E., centerline of T-rd. east, nail 148.743 feet

1 6 3.96

Clinton, 6.2 mi SE. of; 3.9 mi S. along U. S. 421 from underpass with U. S. 701; 0.7 mi N. of intersection with SR. 1147; near wooded graveyard; 75.6 ft ENE. of centerline of U. S. 421; 120.0 ft SE. of south end of driveway culvert to light brown home; 59.3 ft NNW. of telephone pole #359 with aluminum reference tag; set in top of concrete cylinder 6 inches below ground; standard NCGS brass traverse disk stamped "HOLLY 1973" 133.713 feet

1 7 4.67

"241 JJS 1951 147" (Description in Line 4) 147.273 feet

1 8 5.78

U. E., centerline of rd. at woods line southeast; nail and cap 138.412 feet

1 9 6.61

Clinton, 8.3 mi SE. of; 6.45 mi S. along U. S. 421 from underpass with U. S. 701; 70 ft S. of Beck's Store; 0.50 mi N. of intersection with SR. 1941 west; 34.6 ft WNW. of centerline of U. S. 421; 2.2 ft SSW. of southwest end of looped concrete; 67.9 ft S. of southeast corner of white frame store; 106.4 ft NE. of telephone pole with aluminum reference tag; set in concrete cylinder flush with ground; standard NCGS brass traverse disk stamped "BECK 1973" 141.770 feet

1 10 7.36

Clinton, 9.0 mi SSE. of; 7.2 mi S. along U. S. 421 from underpass with U. S. 701; 0.25 mi S. of intersection with SR. 1146 east; at southeast corner of yard by driveway; 46.6 ft W. of centerline of U. S. 421; 12.5 ft S. of centerline to south driveway; 121.3 ft NNE. of power pole #54 with aluminum reference tag; 27.7 ft SSE. of power pole #10195 with aluminum reference tag; 70.3 ft SSE. of southeast corner of white frame house; set in top of concrete cylinder flush with ground; standard NCGS brass traverse disk stamped "HONG 1973" 141.591 feet

1 11 8.41

Garland, 9.1 mi NE. of; 8.25 mi S. along U. S. 421 from underpass with U. S. 701; 0.15 mi N. of intersection with SR. 1004; 74.8 ft W. of centerline of U. S. 421; 15.5 ft NNE. of centerline of driveway; 41.9 ft WNW. of north end of culvert under driveway; 97.8 ft NNW. of 4" X 4" sign-post with aluminum reference tag; 5.6 ft NNE. of 4" X 4" mail box post; set in top of concrete cylinder flush with ground; standard NCGS brass traverse disk stamped "J-MAT 1973" 111.987 feet

LINE 11 (Cont'd)

1 12 9.00

Harrells, 9.4 mi NNW. of; 8.85 mi S. along U. S. 421 from underpass with U. S. 701 to north entrance of rest area; 0.45 mi S. of intersection with SR. 1004; 73.7 ft W. of centerline of U. S. 421; 27.7 ft NNW. of centerline of north entrance to rest area; 95.3 ft ENE. of lamp post with aluminum reference tag; 96.1 ft south of south end of west headwall of culvert under U. S. 421; set in top of concrete cylinder 1 inch below ground; standard NCGS brass traverse disk stamped "REST 1973"

67.785 feet

1 13 9.58

Delway, 4.2 mi N. along U. S. 421 from crossroads; 0.5 mi S. of rest area; 25 ft W. and 0.5 ft higher than centerline of south end of bridge; set in top of southwest wingwall; standard tablet stamped "DICK 1980 69"

69.108 feet

LINE 12.

By Richard L. Meador, 1980; Book AV 1748

2 65 9.37

"241 JJS 1951 147" (Described in line 4)

147.273 feet

NGVD 29
Elevations