

121 akers

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

35-081-34
RUTHERFORDTON QUADRANGLE
NORTH CAROLINA
N3515-W8145/15
DIAGRAM NI 17-2
CHARLOTTE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Polk and Rutherford Counties, N.C.

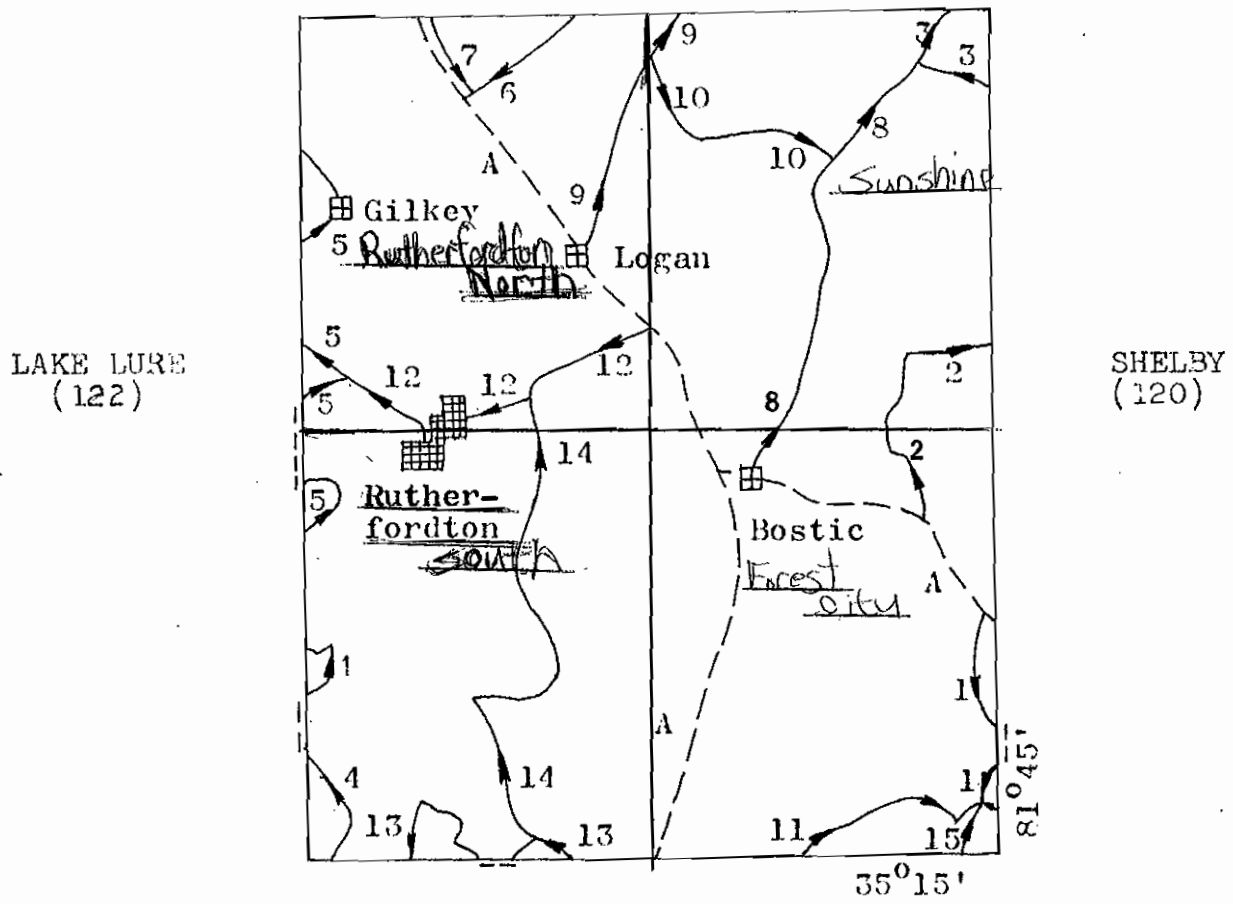
Final adjustment of 1971

Edition of 2/26/79

PR: WSM/jyk

NGVD 29
Elevations

GLEN ALPINE
(158)



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 350813

35-081-34

RUTHERFORDTON QUADRANGLE

N3515-W8145/15
NORTH CAROLINA

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NGVD 29
Elevations

RUTHERFORDTON
Book AV 88

NORTH CAROLINA

W. S. Monk

1949
FeetLINE 1.

W. S. Monk, 1949; Book AV 88			NGVD 29 Elevations
1	2	0.00 "C 77 1935" (USC&GS)	1046.281
1	2	0.60 U.E., Ellenboro, 0.5 mi SE. of, thence 0.1 mi S. along rd. S. by way of Race Path Church; 600 ft S. of intersection of Seaboard Airline Railway and rd. S.; 55 ft W. of rd.; 40 ft S. of SE. corner of residence; in root on E. side of 20-in. oak tree; copper nail and washer	1023.95
1	2	1.56 U.E., Ellenboro, 0.5 mi SE. of, thence 1.1 mi S. along rd. S. by way of Race Path Church; 25 ft N. and 12 ft W. of intersection of rd. and Southern Railroad; on E. corner of concrete foundation of warning signal; 1.0 ft above rd.; chiseled square	972.83
1	3	2.56 Ellenboro, 0.5 mi SE. of, thence 2.1 mi S. along rd. S. by way of Race Path Church; 230 ft W. of SW. corner of Race Path Church; 70 ft S. and 30 ft E. of crossroads; 4 ft E. of power pole; in concrete post projecting 0.2 ft.; standard tablet stamped "72 WSM 1949 948"	948.392
1	3	2.56 Reference mark; 70 ft NW. of tablet; in root on SW. side of 12-in. oak tree; copper nail and washer	946.81
1	6	4.78 Ellenboro, 0.5 mi SE. of, thence 4.3 mi S. by way of Race Path Church and North Carolina Highway 120; 100 ft N. and 20 ft W. of junction of highway and rd. E. to Trinity Church; 8 ft E. of 24-in. oak tree; in concrete post projecting 0.2 ft.; standard tablet stamped "73 WSM 1949 912"	911.862
1	6	4.78 Reference mark; 8 ft W. of tablet; in root on SW. side of 24-in. oak tree; rail spike	911.23

STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

LINE 1 (Cont'd.)

184a.	Centerline of rd. opposite large lone oak tree E.	X = 1,173,767 Y = 608,884	35 23 28.89 81 46 21.36
190.	Junction of E.-W. rd. and rd. S.	X = 1,173,685 Y = 610,778	35 23 47.60 81 46 22.99
194a.	Center of small wooden bridge over branch of Puzzle Creek, running along E. edge of field	X = 1,173,516 Y = 611,566	35 23 55.34 81 46 25.30
200a.	Centerline of rd. at private driveway N.	X = 1,171,782 Y = 610,850	35 23 47.78 81 46 45.99
206a.	Center of bridge over branch of Puzzle Creek	X = 1,170,181 Y = 611,874	35 23 57.46 81 47 05.67
212a.	Centerline of E.-W. rd. at rd. S. at irregular crossroads	X = 1,169,025 Y = 611,823	35 23 56.64 81 47 19.61
212.	Bostic, 2.6 mi N. of post office, along Sunshine rd. to four-point rd. junction, thence 2.0 mi NE. along dirt rd.; 4.3 mi SSE. of Sunshine; 35 ft S. and 34 ft E. of crossroads; 47 ft S. of rd. mileage sign; 24 ft E. of centerline of N.-S. rd.; 20 ft SSW. of centerline of E.-W. rd.; in concrete post; standard tablet stamped "T 6 CWH 1949". Geographic azimuth to crack in W. gable of house about 800 ft distant: 282°01'49"		
		<u>X = 1,169,058</u> <u>Y = 611,787</u>	<u>35 23 56.29</u> <u>81 47 19.20</u>
216+	Centerline of rd. opposite edge of woods WNW.	X = 1,169,484 Y = 614,340	35 24 21.65 81 47 14.92
221+	Centerline of rd. at private rd. NE.	X = 1,169,076 Y = 615,923	35 24 37.19 81 47 20.39
225a.	Center of small bridge over branch of Heavens Creek	X = 1,167,964 Y = 617,053	35 24 48.06 81 47 34.20

HORIZONTAL CONTROL ONLY

RUTHERFORDTON
Book AV 88

NORTH CAROLINA

W. S. Monk

LINE 2.

W. S. Monk, 1949; Book AV 88		NGVD 29 Elevations
1	37 0.00	"B 77 1935" (USC&GS) 1036.579
1	37 0.94	U.E., Ellenboro, 0.9 mi N. of intersection of U. S. Highway 74 and Seaboard Railway; 60 ft S. and 50 ft E. of junction of rd. N. and rd. E.; in root on SW. side of 12-in. elm tree; copper nail and washer 1020.13
1	38 2.16	Ellenboro, 2.2 mi N. of intersection of U. S. Highway 74 and Seaboard Airline Railway; 25 ft N. and 40 ft E. of junction of Wall's Church Road and rd. E.; 9 ft E. of power pole; in concrete post; projecting 0.5 ft.; standard tablet stamped "84 WSM 1949 1098" 1098.045
1	39 2.90	U.E., Ellenboro, 2.9 mi N. of intersection of U. S. Highway 74 and Seaboard Airline Railway; 15 ft S. and 30 ft W. of junction of Wall's Church Road and rd. NW.; opposite residence on E. side of hwy.; in root on E. side of 12-in. oak tree; copper nail and washer 1105.44
1	40 3.72	Ellenboro, 3.7 mi N. of intersection of U. S. Highway 74 and Seaboard Airline Railway, along Wall's Church Road; 0.1 mi N. of crossroads; 30 ft N. and 20 ft W. of junction of rd. N. and rd. SE.; 10 ft S. of 34-in. oak tree; in concrete post projecting 0.3 ft.; standard tablet stamped "85 WSM 1949 1096" (Not found, 1967) 1095.592
1	40 3.72	Reference mark; 10 ft N. of tablet; in root on SE. side of 34-in. oak tree; rail spike 1096.27

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RUTHERFORDTON
Book AV 88

NGVD 29
Elevations
NORTH CAROLINA

W. S. Monk

LINE 2 (Cont'd.)

1949
Feet

1	42	4.86	U.E., Ellenboro, 4.7 mi N. of intersection of U. S. Highway 74 and Seaboard Airline Railway, thence 0.1 mi E.; 1.8 mi SW. of Hollis along Hollis-Bostic Road; 70 ft SW. of SW. corner of residence; 10 ft S. of rd.; in root on NW. side of 14-in. oak tree; rail spike	1158.79
1	43	5.68	Hollis, 4.1 mi SW. of, along Hollis-Bostic Road; 25 ft S. and 75 ft W. of intersection of rd. by W. fork of Sandy Run Creek; 12 ft W. of NW. corner of barn; in concrete post projecting 0.2 ft.; standard tablet stamped "86 WSM 1949 1100" <u>(Not found, 1964)</u>	1100.110

LINE 3.

R. L. Beitle, 1949; Book AV 90

3	14	21.68	U.E., Golden Valley School, 2.4 mi SW. of, thence 1.0 mi E.; 50 ft NE. of centerline of rd.; 5 ft NE. of drain; on top of boulder; chiseled "U"	1025.08
3	15	22.63	Golden Valley School, 2.4 mi SW. of, along rd. to Forest City; 3.2 mi NW. of Duncan Creek Church; 7.8 mi NW. of Polkville; 69 ft N. and 28 ft E. of junction of T-rd. E.; 35 ft S. of S. end of E. concrete headwall over drain; about 3 ft lower than rd.; in concrete post projecting 0.5 ft.; standard tablet stamped "64 RLB 1949 1077"	1077.365
3	15	22.63	Reference mark; 100 ft NW. of tablet; 30 ft W. of centerline of rd.; on top of hwy. boundary post; chiseled "U"	1079.30
3	15	23.11	U.E., Golden Valley School, 1.9 mi SW. of; on W. side of rd. 30 ft S. of private lane W.; on S. end of concrete culvert headwall; chiseled "L"	1104.98

6.

RUTHERFORDTON
Book AV 492

NORTH CAROLINA

W. D. Leech

1956
FeetLINE 4.NGVD 29
Elevations

W. D. Leech, 1956; Book AV 492

4	16	10.20	U.E., McGinnis Crossroads, 3.5 mi N. of; on SW. bridge seat of bridge over Green River; chiseled square	721.04
4	18	10.70	McGinnis Crossroads; 4.0 mi N. of; 0.5 mi N. of Green River; 40 ft SE. of top; 20 ft SW. of rd.; in concrete post; standard tablet stamped "96 WDL 1956 894"	893.663
4	18	10.68	Reference mark; 120 ft E. of tablet; 25 ft N. of rd.; in root of double oak tree; copper nail and washer	886.62
4	20	11.81	U.E., McGinnis Crossroads, 5.2 mi N. of; 50 ft W. of rd. at poor rd. W.; in root of oak tree; copper nail and washer	864.38
<u>Joags into Lake Lure quadrangle</u>				
4	24	15.33	McGinnis Crossroads; 8.7 mi N. of; 100 ft NE. of NE. end of bridge over Broad River; 25 ft SE. of rd.; in concrete post; standard tablet stamped "98 WDL 1956 763"	763.145
4	24	15.31	Reference mark; 100 ft SW. of tablet; on NE. concrete bridge seat; chiseled square	754.09
4	25	15.87	U.E., McGinnis Crossroads, 9.2 mi N. of SW. angle of cross road; on stone masonry headwall; chiseled square	872.56
4	26	16.31	U.E., on SE. wingwall of bridge; chiseled square	756.40

LINE 5.

W. D. Leech, 1956; Book AV 492

4	41	2.19	Pea Ridge, 9.8 mi NE. of; 2.5 mi SW. of Rutherfordton; 50 ft W. and 25 ft N. of junction of Y-rd. NW.; in concrete post; standard tablet stamped "103 WDL 1956 1002"	1001.836
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NGVD 29
Elevations

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RUTHERFORDTON
Book AV 492

NORTH CAROLINA

W. D. Leech

1956

LINE 5 (Cont'd.)

Feet

4 42 2.64 U.E., 100 ft S. of junction of T-rd.
W. (Miller Road); 20 ft W. of hwy.
and opposite private rd. E.; in S.
root of 14-in. oak tree; spike 1033.31

[/Jogs into Lake Lure quadrangle/]

4 50 7.49 Rutherfordton, 1.7 mi NW. of junction
of Highways 64, 74 and 74A (Mountain
and Washington Streets); 80 ft NW. of
Thompson Road; 25 ft SW. of hwy.; 25
ft SE. of S. end of culvert under hwy.;
in concrete post; standard tablet
stamped "106 WDL 1956 1086" 1085.894

4 51 7.50 Reference mark; 23 ft NW. of tablet;
on culvert; chiseled square 1083.85

[/Jogs into Lake Lure quadrangle/]

5 9 6.44 Gilkey; at school; in line with SE.
side of NW. building and 91 ft NE.
of corner; 60 ft N. of N. corner of
SE. building; 47.5 ft SE. of pole;
25 ft SW. of centerline of rd.; in
concrete post at ground level; standard
tablet stamped "114 WDL 1087" 1087.373

5 10 6.46 Reference mark; 90 ft W. of tablet;
on steps at entrance to NW. building;
chiseled square 1093.45

LINE 6.

D. R. Deane, 1958; Book AV 636

2 58 10.84 Union Mills, 0.5 mi S. of, from R.R.
crossing to T-rd. E., thence 1.6 mi
E. to T-rd. SE., thence 1.2 mi NE.
along Camp Creek Road; about 150 ft
E. of drive N. to small white house; on
E. end of N. headwall of large concrete
culvert; standard tablet stamped
"13 DRD 1958 961" 960.695

RUTHERFORDTON NGVD 29 Elevations NORTH CAROLINA 35-081-34
 Book AV 636 D. R. Deane

1958

LINE 6 (Cont'd.)Feet

2	59	10.84	Reference mark; on E. end of S. headwall of concrete culvert; chiseled square	960.37
2	61	12.71	"N 76 1935" (USC&GS)	944.148

LINE 7.

D. R. Deane, 1958; Book AV 636

2	61	12.71	"N 76 1935" (USC&GS) (Also in line 6)	944.148
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LINE 8.

W. D. Kelly, 1963; AV 944

1	3	0.00	"J 76 1935" (USC&GS)	843.079
1	4	1.17	"Y 76 1935" (USC&GS) (Bench mark apparently moved)	921.120
1	4	1.17	Reference mark; 130 ft E. of tablet; 35 ft S. and 25 ft E. of R.R. crossing; on concrete base of sign; chiseled square	919.58
1	7	3.02	U.E., Bostic, 1.8 mi N. of; 17 ft E. of, and 2 ft lower than centerline of rd. at drain; on concrete culvert; chiseled square	1022.75
1	8	3.58	Bostic, 2.4 mi N. of, in front of Washburns Store; 120 ft S. and 21 ft E. of, and level with five point rd. junction; in S. end of concrete gas pump base; standard tablet stamped "1 WDK 1963 1047"	1046.554
1	9	4.33	U.E., Bostic, 3.3 mi N. of; 75 ft N. and 15 ft E. of rd. at woods line crossing E.-W.; on N. end of concrete culvert; chiseled square	1081.11
1	11	5.73	Bostic, 4.7 mi N. of post office, along Sunshine Road; 1.8 mi S. of Sunshine; 49 ft N. and 3 ft W. of intersection of crossroads; 38 ft NE. of stop sign; 35 ft SE. of telephone pole No. 90; 31 ft NW. of centerline of NE.-SW. rd.; 222 ft NE. of centerline of dirt rd. NW.; in concrete post; standard tablet stamped "TT 7 CWH 1949 1069"	1068.423

1963
Feet

LINE 8 (Cont'd.)

1	12	6.23	U.E., Sunshine, 1.3 mi S. of; 15 ft W. of and 2 ft lower than T-rd. E.; on concrete culvert; chiseled square	1088.35
1	13	6.82	U.E., Sunshine, 0.7 mi S. of; 2 ft lower than centerline of rd.; on center of E. headwall of concrete bridge; chiseled square	974.64
1	14	7.56	Sunshine; 300 ft S. of Biggerstaff's Store; 62 ft S. of magnolia tree; 17 ft N. and 18 ft W. of junction of main rd. and dirt rd. E.; 19 ft W. of centerline of main rd.; 15 ft N. of centerline of driveway W.; 6 ft NW. of mailbox of W. L. Edgerton; in concrete post; standard tablet stamped "TT 8 CWH 1949 1097"	1096.756
1	16	8.59	U.E., Sunshine, 1.0 mi NE. of; 125 ft N. and 35 ft W. of, and 2 ft higher than T-rd. W.; on S. end of concrete gas pumps; chiseled square	1101.83
1	17	9.09	Sunshine, 1.5 mi NE. of, along Golden Valley Road; 100 ft S. of Conoco service station and grocery store; 52 ft S. of power pole; 2 ft S. and 39 ft W. of junction of dirt rd. SSE.; 30 ft NW. of centerline of rd.; 22 ft SW. of centerline of driveway; in concrete post; standard tablet stamped "TT 9 CWH 1949 1158"	1157.864
1	21	11.18	"64 RLB 1949 1077" (Described in line 3)	1077.365

LINE 9.

W. D. Kelly, 1963; Book AV 944

1	23	0.00	"L 76 1935" (USC&GS)	861.124
1	25	1.84	U.E., at Brittain Church; 10 ft N. and 21 ft W. of, and 2 ft higher than private drive W.; on center of N. headwall of concrete culvert; chiseled square	980.99

NGVD 29
Elevations

35-081-34

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RUTHERFORDTON
Book AV 944

NORTH CAROLINA

W. D. Kelly

1963
Feet

LINE 9 (Cont'd.)

1	26	2.29	Logan (crossing of U. S. Highway 64 over Clinchfield R.R.); 2.2 mi N. of; 0.5 mi N. of Brittain Church; 10 ft S. and 12 ft E. of, and level with crossroads; in concrete <u>culvert</u> ; standard tablet stamped "2 WDK 1963 964" <i>BROKEN OFF</i> <i>Destroyed 1983 / NCGS</i>	964.276
1	26	2.29	Reference mark; 50 ft W. of tablet; on concrete culvert; chiseled square	965.83
1	27	2.87	U.E., Logan, 2.2 mi N. of, thence 0.6 mi NE.; 12 ft NW. of, and 1 ft higher than centerline of rd. at drain and house N.; on concrete headwall; chiseled square	973.39
1	28	3.34	U.E., Logan, 2.2 mi N. of, thence 1.0 mi NE.; 12 ft E. of, and level with centerline of rd. at drain; on E. concrete headwall; chiseled square	881.89
1	29	4.10	U.E., Logan, 2.2 mi N. of, thence 1.9 mi NE.; 12 ft W. of, and level with centerline of rd. at drain; on concrete headwall; chiseled square	909.02
1	30	4.37	Logan, 2.2 mi N. of, thence 1.9 mi NE., along dirt rd.; 350 ft S. of house; 12 ft W. of, and level with centerline of rd. at stream; in concrete headwall; standard tablet stamped "3 WDK 1963 895"	895.105
1	30	4.37	Reference mark; 45 ft E. of tablet; on S. end of E. headwall; chiseled square	894.73
1	31	5.03	U.E., Logan, 2.2 mi N. of, thence 2.6 mi NE.; 12 ft W. of, and level with centerline of rd. at drain; on S. end of W. concrete headwall; chiseled square	908.49

RUTHERFORDTON
Book AV 944

NORTH CAROLINA

W. D. Kelly

LINE 9 (Cont'd.)

1963
Feet

1	32	5.52	Logan, 2.2 mi N. of, thence 3.1 mi NE. along dirt rd.; 45 ft S. and 26 ft W. of, and 1 ft lower than crossroads; in concrete culvert; standard tablet stamped "4 WDK 1963 918" - 83 -Good	918.163
1	33	6.14	U.E., Logan, 2.2 mi N. of, thence 3.7 mi NE.; 15 ft N. and 30 ft W. of, and level with centerline of rd. at drive W.; in root on S. side of 50-in. willow tree; by stream; copper nail and washer	923.81

LINE 10.

NGVD 29
Elevations

W. D. Kelly, 1963; Book AV 944

1	37	0.00	"4 WDK 1963 918" (Described in line 9)	918.163
1	37	0.57	U.E., Sunshine, 0.6 mi S. of, thence 3.5 mi NW.; 12 ft E. of centerline of rd.; on concrete headwall; chiseled square	1008.20
1	38	1.07	U.E., Sunshine, 0.6 mi S. of, thence 12 ft N. of, and level with centerline of rd. at drain and woods line S.; on concrete headwall; chiseled square	1061.53
1	39	1.50	Sunshine, 0.6 mi S. of, thence 2.6 mi NW.; 120 ft S. and 12 ft E. of, and 2 ft lower than Y-rd.; in concrete headwall; standard tablet stamped "5 WDK 1963 1129"	1129.216
1	40	1.92	U.E., Sunshine, 1.0 mi NE. of, thence 3.5 mi NNW.; 12 ft N. and 160 ft E. of, and 4 ft lower than Y-rd.; on N. concrete headwall; chiseled square	1129.61

NGVD 29
Elevations

35-081-34

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RUTHERFORDTON

NORTH CAROLINA

W. D. Kelly

Book AV 944

1963
Feet

LINE 10 (Cont'd.)

1	41	2.57	U.E., Sunshine, 1.0 mi N. of, thence 2.9 mi NNW.; 12 ft E. of, and 1 ft lower than centerline of rd. at drain; on E. concrete culvert; chiseled square	1109.86
1	42	3.11	Sunshine, 1.0 mi NE. of, thence 2.3 mi NNW.; 12 ft S. of, and level with rd. at stream; in center of S. concrete headwall; standard tablet stamped "6 WDK 1963 1157"	1157.091
1	43	3.79	U.E., Sunshine, 1.0 mi NE. of, thence 1.6 mi NNW.; 3 ft S. and 12 ft E. of, and level with T-rd. W.; in root on N. side of oak tree; copper nail and washer	1217.39
1	45	5.17	U.E., Sunshine, 1.0 mi NE. of, thence 0.3 mi N.; 50 ft W. of, and 3 ft higher than centerline of rd. at drive; on NE. corner of bottom concrete step to house; chiseled square	1101.50
1	46	5.44	U.E., chiseled square (Described in line 8)	1101.830

LINE 11.

W. D. Kelly, 1963; Book AV 944

1	65	5.41	Henrietta; 1 ft NW. of NW. corner of post office building; standard tablet stamped "22 WDK 1963 799"	799.174
1	69	7.64	"73 WSM 1949 912" (Described in line 1)	911.862

LINE 12.

W. D. Kelly, 1963; Book AV 944

2	3	0.00	"K 76 1934" (USC&GS)	851.583
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NGVD 29
Elevations

35-081-34

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RUTHERFORDTON
Book AV 944

NORTH CAROLINA

W. D. Kelly

1963
Feet

LINE 12 (Cont'd.)

2	7	1.91	Ruth (intersection of U. S. Highways 64 and 74); 0.5 mi S. of, thence 3.4 mi E.; 65 ft S. and 115 ft W. of, and 4 ft higher than crossroads; in S. end of concrete base of gas pumps; standard tablet stamped "7 WDK 1963 1005"	<i>83-Goop</i>	1004.680
2	10	3.42	Ruth, 0.5 mi S. of, thence 1.8 mi E.; 33 ft S. and 45 ft E. of, and 3 ft lower than T-rd. E.; in concrete culvert; standard tablet stamped "8 WDK 1963 970"		969.680
2	11	3.74	U.E., Ruth, 0.5 mi S. of, thence 1.5 mi E.; 10 ft N. of, and level with centerline of E. end of W. bridge; on concrete wingwall; chiseled square		900.04
2	12	4.33	U.E., Ruth, 0.5 mi S. of, thence 1.0 mi E.; 24 ft S. and 15 ft W. of, and level with drive N.; on concrete culvert; chiseled square		1030.37
2	14	5.36	Ruth, 0.5 mi S. of, along U. S. Highway 74; 50 ft S. and 60 ft W. of, and 3 ft higher than crossroads; in center of concrete gas pump base; standard tablet stamped "9 WDK 1963 1047"		1047.323
2	15	5.76	U.E., Ruth, 90 ft S. and 13 ft W. of, and 1 ft higher than intersection of U. S. Highways 64 and 74; on concrete island by sign; chiseled square		1034.19
2	16	6.29	Rutherfordton (intersection of U. S. Highway 74 over U. S. Highway 221); 16 ft S. of, and 1 ft higher than centerline of W. end of bridge; in SE. corner of bridge; standard tablet stamped "10 WDK 1963 1076"		1076.288
2	17	6.64	U.E., Rutherfordton, 0.4 mi NW. of; 12 ft S. and 18 ft W. of, and level with crossroads; on concrete culvert; chiseled square		1059.40

NGVD 29
Elevations

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RUTHERFORDTON
Book AV 944

NORTH CAROLINA

W. D. Kelly

1963
Feet

LINE 12 (Cont'd.)

2	18	7.25	U.E., Rutherfordton, 1.0 mi NW. of; 15 ft W. of, and level with T-rd. N.; on concrete culvert; chiseled square	1055.76
2	19	7.85	U.E., Rutherfordton, 1.6 mi NW. of; 12 ft N. and 21 ft W. of, and level with rd. at drive W.; on concrete culvert; chiseled square	1095.55
2	20	8.25	"106 WDL 1956 1086" (Described in line 5)	1085.894

LINE 13.

W. D. Kelly, 1963; Book AV 944

2	26	2.24	Harris, 2.2 mi W. of; 0.2 mi N., thence 0.7 mi E. of Holly Springs Church; 23 ft S. and 33 ft E. of, and 2 ft lower than T-rd. N.; in concrete culvert; standard tablet stamped "11 WDK 1963 932"	931.859
2	26	2.24	Reference mark; 140 ft E. of tablet; on E. end of concrete pipe; chiseled square	931.96
2	28	3.19	U.E., Harris, 3.2 mi W. of; 30 ft N. and 35 ft E. of, and level with T-rd. E. to Harris; on SE. end of concrete gas pump base; chiseled square	964.84
[Jogs into Cowpens quadrangle]				
2	35	6.68	Harris, 6.7 mi W. of; 1.2 mi N., thence 0.8 mi E. of County Road No. 2004; bridge over Broad River; 12 ft N. of, and level with centerline of W. end of bridge over Jarretts Creek; in NW. concrete wingwall; standard tablet stamped "13 WDK 1963 820"	819.831
2	35	6.68	Reference mark; 25 ft E. of tablet; on NE. wingwall of bridge; chiseled square	819.86

RUTHERFORDTON NORTH CAROLINA W. D. Kelly
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LINE 13 (Cont'd.) Elevations Feet

2	36	7.09	U.E., Pores Ford Church, 0.6 mi N. of, thence 0.4 mi E.; 50 ft E. of, and level with centerline of rd. at crest; on bottom concrete step of house; chiseled square	920.88
2	38	8.05	U.E., Pores Ford Church, on center of bottom front step to church; chiseled square	893.03

LINE 14.

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

2	45	0.00	U.E., chiseled square (Described in line 13)	964.84
2	45	0.76	U.E., Harris, 3.2 mi W. of, thence 0.8 mi N.; 10 ft S. and 15 ft E. of, and level with centerline of drive E.; on S. end of concrete drain; chiseled square	966.76
2	46	1.38	U.E., Harris, 3.2 mi W. of, thence 1.4 mi N.; 85 ft S. and 28 ft W. of, and 2 ft higher than crossroads; on N. end of concrete pipe; chiseled square	1008.74
2	47	1.75	Shiloh Elementary School, 1.2 mi S. of, along Holly Spring Church Road; 140 ft SW. of brick house; 75 ft S. and 15 ft E. of, and 1 ft lower than centerline of rd. at drive E.; in concrete culvert; standard tablet stamped "15 WDK 1963 997"	996.677
2	50	3.36	Shiloh Elementary School, 0.4 mi N. of; 0.2 mi NE. of Shiloh Baptist Church; 45 ft N. and 60 ft E. of, and 1 ft higher than crossroads; in SE. end of concrete gas pump base; standard tablet stamped "16 WDK 1963 1099"	1099.274

NGVD 29
Elevations

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RUTHERFORDTON
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NORTH CAROLINA

W. D. Kelly

LINE 14 (Cont'd.)

1963
Feet

2	50	3.36	Reference mark; 25 ft NW. of tablet; on N. end of gas pump base; chiseled square	1100.00
2	54	5.10	Shiloh Elementary School, 0.4 mi N. of, thence 1.7 mi E.; 4.3 mi S. of Spindale; 27 ft N. and 22 ft W. of, and 1 ft lower than crossroads; in concrete culvert; standard tablet stamped "17 WDK 1963 1010"	1010.374
2	55	5.73	U.E., Spindale, 3.7 mi S. of; 21 ft W. of, and 1 ft lower than centerline of bridge; on concrete headwall; chiseled square	918.62
2	56	6.26	Spindale, 3.1 mi S. of; 3.2 mi SW. of Forest City; 29 ft S. and 35 ft W. of, and 2 ft lower than crossroads; in concrete post; North Carolina State Highway Commission standard disk stamped "STA 9 JS 23 1961 999.031"	999.007
2	57	6.69	U.E., Spindale, 2.7 mi S. of; 140 ft S. and 21 ft W. of, and 6 ft lower than T-rd. E.; in corner of cemetery; on culvert; chiseled square	1008.84
2	59	7.41	Spindale, 2.0 mi S. of; 1.1 mi SE. of Adaville Baptist Church; 5 ft S. and 55 ft W. of, and level with drive SW.; on NE. corner of concrete apron of carport; standard tablet stamped "18 WDK 1963 1046"	1045.773
2	59	7.40	Reference mark; 55 ft SW. of tablet; on SW. end of concrete gas pump base; chiseled square	1047.29
2	60	8.09	Spindale, 1.3 mi S. of; 250 ft SW. of Adaville Baptist Church; 15 ft S. and 26 ft W. of, and level with junction of T-rd. E.; in concrete post; North Carolina State Highway Commission standard disk stamped "9 JS 50 1961 1086.812"	1086.570
2	60	8.08	Reference mark; 25 ft N. of tablet; on N. end of small culvert; chiseled square	1086.51

NGVD 29
Elevations

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RUTHERFORDTON
Book AV 944

NORTH CAROLINA

W. D. Kelly

1963
Feet

LINE 14 (Cont'd.)

2	63	9.42	Spindale (intersection of U. S. Highway 74 and Ledbetter Road N.); 45 ft N. and 75 ft W. of, and 2 ft higher than T-rd. N.; in W. end of gas pump base; standard tablet stamped "19 WDK 1963 1094"	1094.448
2	63	9.42	Reference mark; 70 ft W. of tablet; on sidewalk at base of power pole; chiseled square	1095.19
2	64	9.90	U.E., Spindale, 0.5 mi N. of; 70 ft N. and 90 ft W. of, and 4 ft higher than T-rd. W.; on S. end of bottom step of church; chiseled square <i>93-Good</i>	1087.52 <i>see attached sheet!</i>
2	68	11.81	U.E., Spindale, 2.4 mi N. of; 40 ft S. and 17 ft W. of, and 2 ft lower than crossroads; on concrete culvert; chiseled square	905.00
2	69	12.228	"8 WDK 1963 970" (Described in line 12)	969.680

LINE 15.

H. L. Zohn, 1971; Book AV 1602

5	61	13.01	U.E., in junction of State Highway 120 and County Road 1962; copper nail and washer, painted "CL 854.0"	854.04
5	62	13.74	"73 WSM 1949 92" (Described in line 1)	911.862

Book AV RUTHERFORDTON
944

NORTH CAROLINA

W. D. Kelly

LINE 14 (Cont'd.)NGVD 29
Elevations1963
Feet

2	63	9.42	Spindale (intersection of U. S. Highway 74 and Ledbetter Road N.); 45 ft N. and 75 ft W. of, and 2 ft higher than T-rd. N.; in W. end of gas pump base; standard tablet stamped "19 WDK 1963 1094"	1094.448
2	63	9.42	Reference mark; 70 ft W. of tablet; on sidewalk at base of power pole; chiseled square	1095.19
2	64	9.90	U.E., Spindale, 0.5 mi N. of; 70 ft N. and 90 ft W. of, and 4 ft higher than T-rd. W.; on S. end of bottom step of church; chiseled square	1087.52
2	68	11.81	U.E., Spindale, 2.4 mi N. of; 40 ft S. and 17 ft W. of, and 2 ft lower than crossroads; on concrete culvert; chiseled square	905.00
2	69	12.228	"8 WDK 1963 970" (Described in line 12)	969.680

LINE 15.

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BENCHMARK INFORMATIONU.S.G.S. BM - RUTHERFORD QUAD #121 INDEX: 35-081-34 LINE 14
THIRD ORDER LEVELING

ESTABLISHED BY UNITED STATES GEOLOGICAL SURVEY IN SPINDALE, N.C. 0.65 MILES NORTH ALONG LEOBETTER ROAD FROM TEE INTERSECTION WITH U.S. HIGHWAY 74 BUS AND 221-A; 70 FT. NORTH AND 90 FT. WEST OF THE INTERSECTION OF LEOBETTER ROAD AND CA VER STREET, ABOUT 4 FOOT HIGHER THAN PAVED INTERSECTION. MARK IS A CHISELED SQUARE ON SOUTH END OF BOTTOM STEP OF THE NEW ZION BAPTIST CHURCH - ORGANIZED 1883 AND REBUILT IN 1962. ORIGINAL STEPS REMAIN AND MARK WAS FOUND IN GOOD CONDITION, ON DECEMBER 30, 1892.

ELEV. - 1087.52

Recovered by Gerald M. Ellis 2-3-93

USGS