

155

ER LEVELING
GEODEIC VERTICAL DATUM OF 1929

35-081-12
NEWTON QUADRANGLE
155 NORTH CAROLINA
N3530-48100/15
DIAGRAM NI 17-2
CHARLOTTE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

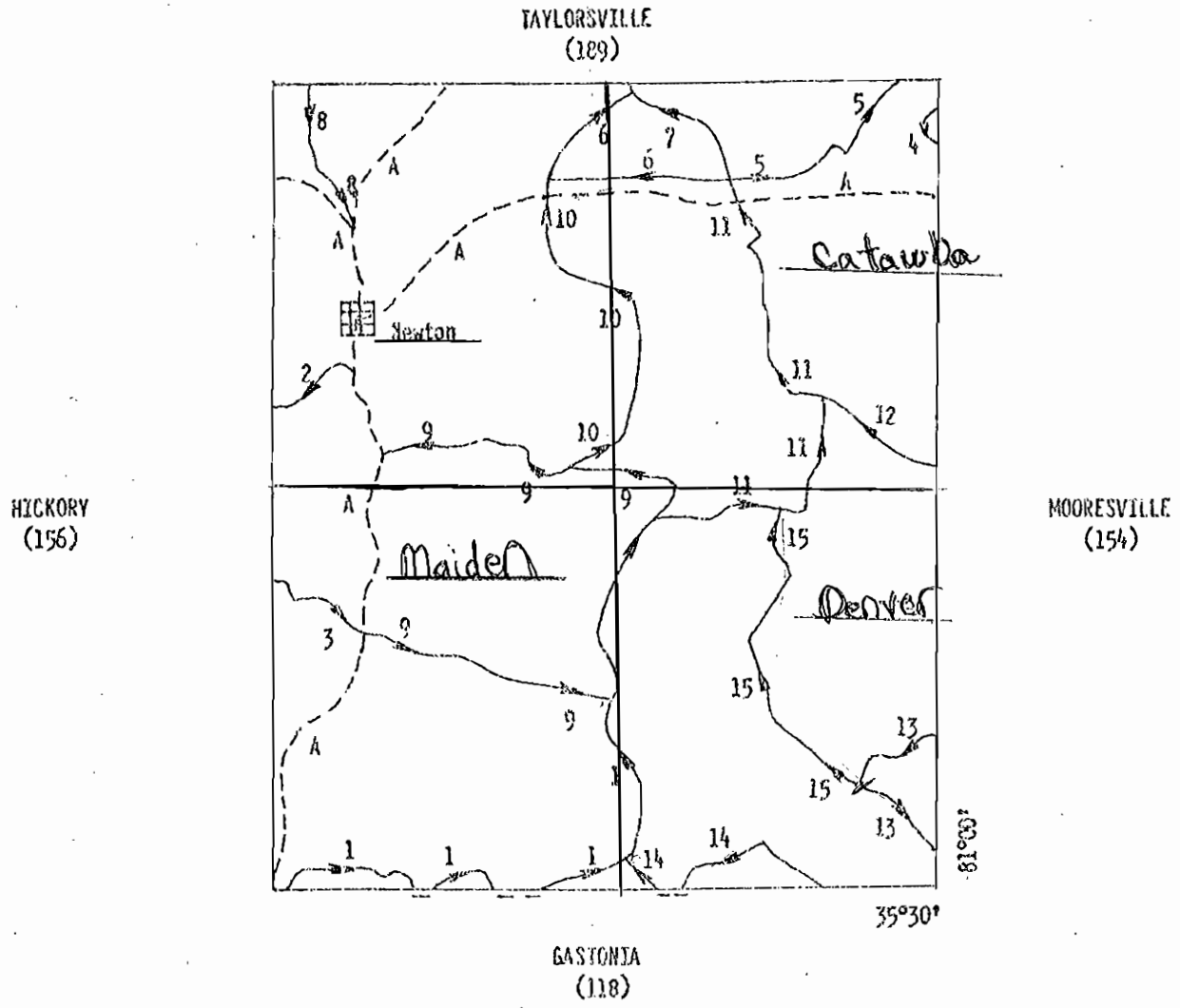
Catawba, Iredell and Lincoln Counties

Final adjustment of 1974

Edition of 3/27/75

PR: WSM/rmc

NGVD 29
Elevations



NGS (USGCS) VERTICAL CONTROL DATA

A. Quadrangle 350811

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NGS AND STATE SURVEY

NC 207	6
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1951

LINE 1.

feet

By R. H. Paine, 1951; Book AV 248

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Elevations

"F 157 1935" (NGS)

769.723

Lincolnton, 2.6 mi N. of, along U. S. Highway 321, about 400 ft SW. of Hickory Grove School; 35 ft E. of highway; 44 ft N. of gravel rd. E. to Bethel Church; 5 ft SE. of power pole, in concrete post; standard tablet stamped "25 RHP 1951 904" (Reported not found, 1970)

903.786

Hickory Grove School, 3.3 mi E. of, 0.7 mi SW. of Antioch Church; 32 ft ESE. of junction of State Highway 150 and gravel rd. NW.; 30 ft SE. of highway; 2 ft NW. of fence, in concrete post; standard tablet stamped "26 RHP 1951 910"

909.513

Hickory Grove School, 5.7 mi E. of Antioch Church; 0.4 mi NE. of along State Highway 150, thence 1.4 mi SE. of, 1.0 mi NW. thence 3.0 mi SW. of Amity Church, at T-rd. fork, 18 ft SE. of gravel rd. and in line with rd. NW., in concrete post; standard tablet stamped "27 RHP 1951 862"

862.413

Amity Church, 1.0 mi NW. of, at crossroads; 21 ft SW. of gravel rd.; 22 ft NW. of rd. SW.; 5 ft W. of sign post, in concrete post; standard tablet stamped "21 RHP 1951 908" (Reported destroyed, 1970)

907.387

LINE 2.

By R. H. Paine, 1951; Book AV 248

Newton, in courthouse yard, directly across street from Imperial Theater; 52 ft N. of centerline of walk leading to E. entrance of courthouse; 25 ft W. of W. edge of walk on E. side of courthouse in concrete post; NGS standard triangulation disk stamped "NEWTON 1933"

933.220

LINE 3.

By R. H. Paine, 1951; Book AV 248

Maiden, 3.4 mi W. of, 0.8 mi N. of Cedar Grove Baptist Church; at crossroads; 51 ft E. of paved rd., 28 ft N. of graveled rd.; 3 ft SE. of guy pole; in concrete post; standard tablet stamped "55 RHP 1951 929"

928.486

"V 140 1935" (NGS)

872.524

LINE 4.

By A. I. Adams, 1951; Book AV 246

Eufola, 1.6 mi NW. of, along rd. to Bradford Crossroads; 120 ft NE. of E. corner of Shiloh Presbyterian Church; 45 ft NW. of centerline of rd.; 10 ft NW. of centerline of private drive to church; 4 ft SW. of power pole, in concrete post; standard tablet stamped "57 ATA 1951 946"

945.960

LINE 4 (Cont'd)Feet

Reference mark; 150 ft S. of tablet; on NE. end of bottom step leading to church; chiseled square 944.15

LINE 5.NGVD 29
Elevations

By A. T. Adams, 1951; Book AV 246

"834.529 CHECK 8 1933" (NGS) 834.441

Catawba, 0.5 mi N. of, on SE. concrete wingwall of bridge over Lyle Creek; chiseled square 780.76

Catawba River Water Gaging Station, on center of E. side of concrete base; standard tablet stamped "758 BM" 757.554

Reference mark; 9 ft NE. of SW. end of S. bannister of bridge, on S. edge of concrete girder of bridge; chiseled square (probably R.M. of Catawba Water Gaging Station) 792.25

Catawba, 3.7 mi NE. of along U. S. Highways 70 and 64, about 10 mi SW. of Statesville, 123 ft SE. of intersection of U. S. Highways 70 and 64 and dirt rd.; 6 ft E. of white witness post, in concrete post; NGS standard triangulation disk stamped "FOX 1948" 932.023

Reference mark 1; 68 ft SW. of centerline of dirt rd.; 56 ft NE. of NE. corner of New Betheny Baptist Church; NGS standard reference disk stamped "FOX NO 1 1948" 934.282

LINE 6.

By A. T. Adams, 1951; Book AV 246

Catawba, 0.5 mi N. of; chiseled square (Described in line 5) 780.76

Claremont, 3.0 mi E. of, along U. S. Highways 70 and 64, 36 ft SE. of centerline of dirt rd.; 35 ft N. of centerline of hwy.; 5 ft E. of white witness post; NGS standard triangulation disk stamped "CATAWBA 1948" (Reported not found, 1970) 841.069

Reference mark 1, 31 ft NW. of centerline of dirt rd.; flush with ground; NGS standard reference disk stamped "CATAWBA NO 1 1948" 838.906

Claremont, 3.7 mi E. of along U. S. Highways 70 and 64, Catawba; 0.9 mi NW. of; 29 ft S. of centerline of hwy.; 2 ft W. of white witness post; 1 ft N. of fence line; NGS standard azimuth mark disk stamped "CATAWBA 1948" (Reported not found, 1970) 839.395

Catawba, 3.2 mi W. of, on N. side of rd.; on E. end of concrete headwall of culvert; chiseled square 840.75

Claremont, 50 ft SW. of intersection of U. S. Highway 70 and private drive S., into cemetery; 18 ft E. of power pole, in concrete post; NGS standard disk stamped "NC 830" 973.525

NGVD 29
ElevationsLINE 6 (Cont'd)

	<u>Feet</u>
Reference mark; 220 ft NE. of tablet; on N. side of rd., on W. end of concrete headwall of culvert; chiseled square	970.89
Claremont, at Municipal Water Tank; 120 ft N. of N. end of Mt. Calvary Lutheran Church; 37 ft SE. of stand pipe of water tank; 4 ft E. of white witness post flush with ground; NGS standard triangulation disk stamped "CLAREMONT 1948" (<u>Reported not found, 1970</u>)	995.604
Reference mark; 25 ft NW. of tablet; on SW. concrete pier of Claremont Water Tank, on S. corner of; chiseled square	996.61
Claremont, 2.0 mi NE. of along road to Sharon, on projection of centerline of rd. NW.; 18 ft SW. of centerline of rd.; 11 ft SW. of mail box, in concrete post; standard tablet stamped "58 ATA 1951 820"	820.32
Reference mark; 80 ft W. of tablet; on SE. concrete wingwall of bridge; chiseled square	816.98

LINE 7.

By A. T. Adams, 1951; Book AV 246

Catawba, 0.5 mi N. of; chiseled square (Described in line 5)	780.76
Catawba, 2.75 mi NW. of, along rd. to Lookout Dam; 894.2 ft SE. of centerline of bridge and future U. S. Highways 64 and 70 along centerline of paved county rd.; 73.10 ft N. of centerline of paved county rd.; 25 ft E. of centerline of driveway; 6.97 ft E. of 10 in. poplar; 6.17 ft W. of 16 in. oak; 8.27 ft N. of 8 in. pine tree; in concrete post; standard tablet stamped "89 ATA 1951 RESET 1956" (<u>Reported not found, 1970</u>)	966.392
U.E., on center of masonry headwall of culvert; chiseled square	944.42

LINE 8.

By A. T. Adams, 1951; Book AV 246

Conover, 1.5 mi W. of along U. S. Highway 70A, thence 2.1 mi N. along dirt rd.; 57 ft NW. of intersection of private drive SW. of W. R. Gurganious; 20 ft NE. of centerline of rd.; 15 ft NW. of power pole, in concrete post; standard tablet stamped "38 ATA 1951 1041"	1040.899
Reference mark; 45 ft SE. of tablet; on NE. side of rd.; on NE. end of concrete pipe culvert; chiseled square	1039.12
Conover, 1.5 mi W. of along U. S. Highway 70A, 170 ft N. of intersection of rd. N. to Mt. Zion Church; 21 ft E. of centerline of dirt rd.; 4 ft W. of telephone pole, in concrete post; standard tablet stamped "49 ATA 1951 1020"	1019.710
Reference mark; 135 ft S. of tablet; on N. end of masonry headwall of culvert; chiseled square	1010.64

LINE 8 (Cont'd)Feet

"1061.658 CHECK 15 1933" (NGS) (Elev. by NGS, mark believed disturbed)

1061.140

"1059.673 CHECK 14 1933" (NGS)

NGVD 29
Elevations

1059.555

LINE 9.

By R. H. Paine, 1941; Book AV 248

Maiden, 200 ft E. along Main Street from the C. & N. By. crossing; at S. side of street; in N. face of brick store building of F. F. and Clyde Abernethy, 9 in. E. of NW. corner, and about 2 ft higher than sidewalk; set vertically; standard tablet stamped "891.130 COLUMBIA 1900" (Reported not found, 1970)

891.297

Maiden, 4.0 mi SE. of, on Lovings Chapel Baptist Church ground; 87 ft NE. of NE. corner of church; 60 ft W. of center of dirt rd.; 5 ft N. of white witness post; in concrete post flush with ground; NGS standard triangulation station disk stamped "LOWINGS 1948"

1049.504

Reference mark 1; 87 ft SW. of station; 94 ft W. of center of dirt rd.; 1 ft N. of NE. corner of church; in concrete post; NGS standard reference disk stamped "LOWINGS NO 1 1948" (Reported not found, 1970)

1049.138

Azimuth mark; 0.2 mi W. of station; 25 ft NE. of center of paved rd. 12 ft SE. of center of private drive; 2 ft NE. of white witness post; NGS standard azimuth disk stamped "LOWINGS 1948"

1035.210

Maiden, 3.7 mi E. of RR. crossing; 0.3 mi E. of Lovings Chapel Church; 110 ft SE. of crossroads; 25 ft S. of paved rd., in concrete post; NGS and State Survey standard disk stamped "NC 207"

1049.905

Maiden, 6.0 mi E. of RR. crossing; 245 ft SW. of T-rd. fork; 120 ft S. of paved rd., at NW. corner of Center View Baptist Church, in concrete standard tablet stamped "1 RHP 1951 1018"

1018.100

Olivers Crossroads, 26 ft SE. of paved rd.; 30 ft NE. of gravel rd., in W. corner of yard; in concrete post; NGS and State Survey standard disk stamped "NC 692" (Reported destroyed, 1955)

1087.884

Drums Crossroads, 28 ft SE. of paved rd.; 26 ft S. of rd. E. (under construction); 2 ft SW. of power pole No. 9, in concrete post; standard tablet stamped "2 RHP 1951 1064"

1063.955

Hagan Triangulation Station, 1.3 mi NE. of, about 500 ft W. of Balls Creek; School; 42 ft SE. of paved rd.; 65 ft NE. of gravel rd.; 4 ft E. of telephone pole; in concrete post; standard tablet stamped "3 RHP 1951 1051"

1050.304

Newton, 5.0 mi SE. of, 5.0 mi NE. of Maiden; 0.1 mi W. of State Highway 16, on property of Mr. C. P. Detler; 120 ft N. of Y-rd. intersection; 89 ft E. of SE. corner of frame house; 56 ft N. of center of dirt rd.; 10 ft N. of center of entrance drive; 8 ft W. of white witness post, in concrete post flush with ground; NGS standard triangulation disk stamped "HAGAN 1948" (Reported not found, 1970)

1042.652

Reference mark 1; 84 ft S. of station; 15 ft W. of center of dirt rd., in concrete post flush with ground; NGS standard reference disk stamped "HAGAN NO 1 1948" (Reported not found, 1970)

1042.199

LINE 9 (Cont'd)

Feet

Azimuth mark; 0.4 mi E. of station; 33 ft S. of center of paved rd., 20 ft N. of 10 in. pine tree; 17 ft E. of 8 in. pine tree; 5 ft N. of white witness post; in concrete post projecting 3 in.; NGS standard azimuth disk stamped "HAGAN 1948" (Reported not found, 1970) 1031.127

Hagan Triangulation Station, 1.5 mi W. of; 0.7 mi W. of Friendship Methodist Church; at cross-roads; 51 ft S. of State Highway 16; 66 ft W. of gravel rd. to St. James Church; 4 ft E. of power pole; standard tablet stamped "4 RHP 1951 994" 993.723

"Q 140 1935" (NGS) 901.563

LINE 10.NGVD 29
Elevations

By R. H. Paine, 1951; Book AV 248

"3 RHP 1951 1051" (Described in line 9) 1050.304

Newton, 7.0 mi E. of, 4.0 mi SW. of Catawba, at site of Mt. View Methodist Church; on E. side of black-top rd. between State Highways 10 and 16; 180 ft SW. of church; 32 ft N. of center of gravel rd., 30 ft E. of center of paved rd.; 9 ft W. of white witness post; in concrete post flush with ground; NGS standard triangulation disk stamped "VIEW 1948" 1020.538

Reference mark 2; 54 ft E. of station; 100 ft SW. of church; 52 ft S. of power pole; 30 ft E. of center of paved rd., in concrete flush with ground; NGS standard reference disk stamped "VIEW NO 2 1948" 1020.730

Azimuth mark; 0.3 mi S. of station; on W. side of black-top rd.; 144 ft W. of NW. corner of white shingle house; 32 ft W. of center of rd.; 4 ft E. of white witness post, in concrete post projecting 4 in.; NGS standard azimuth disk stamped "VIEW 1948" 1008.800

Mount View Methodist Church, 2.6 mi NW. of, 2.0 mi S. of Claremont, at Y-rd. fork; 30 ft SW. of graveled rd.; 37 ft SE. of graveled rd. SW.; 13 ft S. of signpost; in concrete post; standard tablet stamped "5 RHP 1951 939" 938.800

Claremont; NGS standard triangulation disk stamped "CLAREMONT 1948" (Described in line 6) (Reported not found, 1970) 995.604

Reference mark; 27 ft NW. of tablet; on S. corner of SW. concrete base of Claremont Municipal Water Tank; chiseled square 996.61

Claremont Azimuth Mark; 18 ft W. of center of paved street; 3 ft NW. of power pole; 2 ft NW. of white witness post; in concrete post projecting 4 in.; NGS standard azimuth disk stamped "CLAREMONT 1948" 981.826

LINE 11.

By R. H. Paine, 1951; Book AV 248

"2 RHP 1951 1064" (Described in line 9) 1063.955

LINE 11 (Cont'd)Feet

Drums Crossroads, 3.0 mi E. of, at crossroads; 31 ft N. of rd. to Pisgah Church; 20 ft W. of rd. N. to Center Grove Church; 7 ft NW. of signpost; in concrete post; standard tablet stamped "6 RHP 1951 959" (Reported disturbed, 1970)

958.663

* Catawba, 5.6 mi SSE. of, 3.6 mi E. and 2.6 mi N. of Drums Crossroads, at crossroads; 21 ft W. of paved rd. N. to Long Island; 28 ft NE. of paved rd. NW. to Catawba; 3 ft W. of stop sign, in concrete post; standard tablet stamped "7 RHP 1951 1013"

1012.994

Reference mark; 50 ft E. of tablet; in root on SE. side of 24 in. white oak tree; copper nail and washer

1013.14

Catawba, 3.1 mi S. of along gravel rd., 20 ft SE. of gravel rd., 28 ft SW. of sand-clay rd. E.; 5 ft SE. of mail box post, in concrete post; standard tablet stamped "8 RHP 1951 989" (Reported not found, 1970)

989.169

Catawba, on Southern Railway, about 437 ft S. of main track; at E. front of store building owned by the J. U. Long Estate set vertically; in brick work near N. corner, and about 1.5 ft above sidewalk; standard tablet stamped "872.052 873"

871.963

LINE 12.

By R. H. Paine, 1951; Book AV 248

"7 RHP 1951 1013" (Described in line 11)

1012.994

LINE 13.

By R. H. Paine, 1951; Book AV 248

Denver, 1.2 mi NE. of, at Y-rd. fork; 29 ft SE. of paved rd.; 22 ft N. of gravel rd. E.; 6.5 ft NE. of stop sign, in concrete post; standard tablet stamped "16 RHP 1951 879"

879.002

Dover, 600 ft E. of post office along Route 271; in NW. corner of intersection of Route 271 and dirt rd. leading 0.2 mi S. to Denver Triangulation Station; 30 ft N. of centerline of Route 271; 24 ft W. of centerline of dirt rd. to station; in concrete post; NGS standard reference disk stamped "DENVER NO 2 1933" (Reported not found, 1969)

902.370

Denver, 2.2 mi S. of post office, along State Highway 16; 22 ft N. and 29 ft W. of private drive W.; 29 ft W. of center of hwy., in concrete post; standard tablet stamped "TT 73 FL 1947 685" (Reported not found, 1969)

865.053

LINE 14.

By R. H. Paine, 1951; Book AV 248

Kidville Church, 1.5 mi NW. of, 3.5 mi E. of Amity Church; 35 ft W. of paved rd.; 45 ft N. of gravel rd. W.; 9 ft S. of power pole, in concrete post; standard tablet stamped "19 RHP 1951 883"

882.922

LINE 14 (Cont'd)Feet

Amity Church, 1.2 mi E. of, 330 ft S. of wooden bridge over Anderson Creek; 24 ft SE. of gravel rd.; 3 ft E. of corner fence post, in concrete post; standard tablet stamped "20 RHP 1951 746" 745.333

Reference mark; 330 ft N. of tablet; in W. end of N. wheel guard of wooden bridge over Anderson Creek; copper nail and washer 744.49

Jogs into Gastonia quadrangle

"21 RHP 1951 908" (Reported destroyed, 1970) (Described in line 1) 907.387

Amity Church, 1.5 mi N. of, at bridge over Anderson Creek; on N. end of W. concrete abutment; chiseled square 832.68

Amity Church, 3.4 mi N. of; 1.9 mi S. of Center View Church; at crossroads; 30 ft SE. of N. C. State Highway 150; 41 ft NE. of paved Secondary Road 1366; set directly under powerline; in concrete post; standard tablet stamped "22 RHP 1951 RESET 1968" 1038.969

"1 RHP 1951 1018" (Described in line 9) 1018.100

LINE 15.NGVD 29
Elevations

By R. H. Paine, 1951; Book AV 248

NGS standard reference mark disk stamped "DENVER NO 2 1933" (Described in line 13) 902.370

Newton, 13 mi SE. of, in NE. angle of intersection of State Highways 16 and 150; 57 ft NE. of intersection; 36 ft E. of center of State Highway 16, 20 ft N. of centerline of State Highway 150; 10 ft SE. of white witness post and powerline pole, in concrete post flush with ground; NGS standard triangulation disk stamped "SIXTEEN 1948" (Reported not found, 1970) 916.558

Reference mark 1; 66 ft E. of station; 17 ft S. of centerline of State Highway 150, in center of concrete culvert; NGS standard reference disk stamped "SIXTEEN NO 1 1948" (Reported Destroyed 1960) 916.300

Reference mark 2; 137 ft NW. of station; 25 ft NW. of 24 in. maple tree; 20 ft E. of center of State Highway 16; in N. end of concrete culvert; NGS standard reference disk stamped "SIXTEEN NO 2 1948" (Reported not found, 1970) (Reported Destroyed 1960) 912.277

Azimuth mark; 700 ft N. of station; 89 ft E. of SE. corner of frame building; 15 ft W. of center of State Highway 16; in concrete post flush with ground; NGS standard azimuth disk stamped "SIXTEEN 1948" (Not found - 1960, 1965) 887.204

Chronicle, junction of State Highways 16 and 150; 1.3 mi NW. of, 62 ft NE. of State Highway 16; 41 ft SE. of gravel rd. NE.; 5 ft E. of power pole; in concrete post; standard tablet stamped "23 RHP 1951 960" (Reported not found, 1970) 960.260

LINE 15 (Cont'd)

Feet

Chronicle, 1.3 mi NW. along State Highway 16, thence 1.8 mi NE. of, at Y-rd. fork; 30 ft E.
of gravel rd., 50 ft N. of rd. E.; in concrete post; standard tablet stamped "24 RHP 1951 954"
(Reported not found, 1970)

953.410

"6 RHP 1951 959" (Described in line 11)

958.663

NGVD 29
Elevations