

THIRD-ORDER LEVELING  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

114  
35-080-21  
ALBEMARLE QUADRANGLE  
NORTH CAROLINA  
N3515-W8000/19  
DIAGRAM NO 17-2  
CHARLOTTE

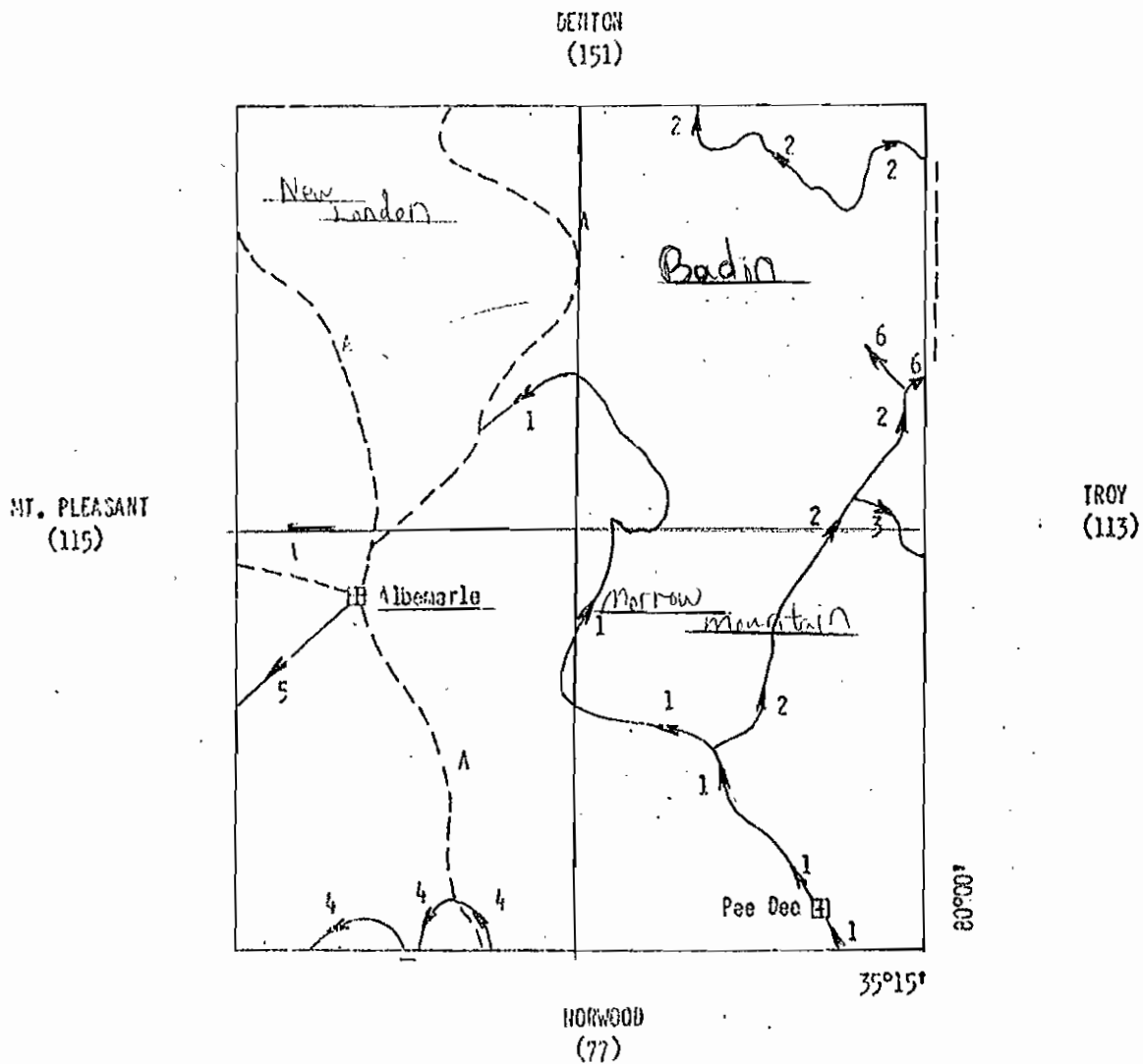
Montgomery and Stanly Counties

Final adjustment of 1974

Edition of 7/15/75

PR: WSM/rmc

NGVD 29  
Elevations



NATIONAL GEODETIC VERTICAL CONTROL DATA

A. Quadrangle 350802

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*Good 9/9/89*

NGVD 29  
Elevations

1956

LINE 1.

NGVD 29  
Elevations

Feet

By W. D. Leech, 1956; Book AV 458

1	6	3.01	U.E., at NW. angle of rd. W. at Fairview Farms, on SW. corner of S. wall of L-shaped culvert; chiseled square	386.72
1	7	3.60	Albemarle, 12.6 mi SE. of; at junction of State Highways 27 and 73; in triangle formed by junction of two hwy. and paved cut-off rd. NE.-SW. connecting them; 231 ft SE. of junction; 96 ft S. of centerline of Highway 27; 46 ft W. of center of cut-off rd.; 43 ft E. of center of Highway 73; 6 ft N. of white witness post; in concrete post projecting 6 in.; NGS standard triangulation station disk stamped "PEE DEE 1948"	440.141
1	7	3.62	Reference mark No. 2; 88.66 ft NE. of station; 60 ft W. of center of cut-off rd. connecting State Highways 27 and 73, 19 ft S. of center of Highway 27; in concrete post projecting 2 in.; NGS standard reference mark disk stamped "PEE DEE NO 2 1948"	437.882
1	7	3.64	Reference mark No. 1; 85.86 ft NW. of station; 48 ft S. of center of Highway 27; 22 ft E. of center of Highway 73; in concrete post set flush; NGS standard reference mark disk stamped "PEE DEE NO 1 1948"	440.951
1	8	4.32	U.E., on SE. corner of concrete base of Amoco gas pumps; chiseled square	411.74
1	8	4.59	U.E., 50 ft E. of hwy. on N. side of T-rd. E.; on concrete pipe; chiseled square	399.48
1	9	5.60	Pee Dee, 2.0 mi NW. of, 0.15 mi NW. of Top, at turn in hwy.; under telephone pole and between poles No. 6 and 7; 30 ft NE. of hwy.; in concrete post; standard tablet stamped "WDL 2 1955 464"	464.094
1	9	5.58	Reference mark; 60 ft SE. of tablet; NE. of rd.; on S. end of culvert; chiseled square	463.46
1	10	6.04	U.E., at SE. angle of T-rd. E. to Uwharrie, on NE. corner of culvert; chiseled square	399.16
1	10	6.61	U.E., on culvert E. of hwy.; chiseled square	371.78
1	11	6.98	U.E., 60 ft NW. of T-rd. SW. to Bethel Church; NE. of hwy.; on SE. end of culvert; chiseled square	330.77
1	11	7.41	U.E., E. of hwy.; on culvert; chiseled square	291.01
1	12	7.80	U.E., SW. of hwy.; on SE. end of wheelguard of bridge over Rocky Creek; chiseled square	289.66
1	12	8.04	Pee Dee, 4.4 mi NW. of, 30 ft NE. of hwy.; 70 ft E. of junction of T-rd. NE.; in concrete post; standard tablet stamped "WDL 3 1955 310"	309.566
1	12	8.02	Reference mark; 120 ft SW. of tablet; 30 ft W. of rd.; in E. root of 12 in. oak tree; copper nail and washer	308.01

LINE 1 (Cont'd)

Feet

1	13	8.38	U.E., on S. wheelguard of Pee Dee River bridge; 60 ft E. of W. end; chiseled square	321.68
1	13	8.68	U.E., 40 ft N. of rd. at top; 14 ft E. of 30 in. oak tree; on rock; chiseled circle	405.73
1	14	8.88	U.E., 130 ft N. of hwy.; on E. side of rd.; in center of 6- by 6-in. granite post	339.96
1	14	9.19	U.E., 70 ft NW. of T-rd. N. to River Haven, on concrete pipe; chiseled square	345.39
1	15	9.70	Norwood, 7.8 mi N. of, along Pee Dee Avenue to junction with State Highways 27 and 73; 36 ft E. of private drive intersection; 27 ft N. of cut-off rd. intersection; 300 ft SE. of intersection of Pee Dee Road at hws.; in concrete post; standard tablet stamped "TT 7 TWC 1954 439"	439.419
1	15	9.73	Reference mark; 160 ft W. of tablet; S. of rd.; on E. end of concrete base of gas pump; chiseled square	444.60
1	16	10.41	U.E., S. of hwy.; on N. end of culvert; chiseled square	434.06
1	17	10.63	U.E., 60 ft S. of hwy.; on NW. corner of base of unused gas pump; chiseled square	495.03
1	18	11.07	U.E., 50 ft S. of hwy.; on N. end of concrete pipe under T-rd. S. to Norwood; chiseled square	576.30
1	18	11.50	Pee Dee, 7.9 mi NW. of, 4.95 mi SE. of Albemarle; 31 ft N. of center of State Highways 27 and 73; 2 ft N. of telephone pole; 1626; in concrete post; NGS standard azimuth mark disk stamped "ABLE 1948"	599.948
1	18	11.52	Reference mark; 130 ft W. of tablet; 30 ft SW. of rd.; in NE. root of 14 in. oak tree; copper nail and washer	593.54
1	19	11.93	U.E., 75 ft NW. of rd. NE. to Badin; SW. of hwy.; on NW. end of culvert; chiseled square	546.89
1	20	12.72	U.E., E. of rd.; on 14 in. concrete pipe; chiseled square	462.46
1	21	13.18	U.E., 130 ft SW. of crossroads NW. of rd.; on base of gas pump; chiseled square	445.10
1	21	13.53	Badin, 3.7 mi S. of; 50 ft NE. of T-rd. fork NW.; 20 ft NW. of rd.; in top of concrete post; standard tablet stamped "WDL 4 1955 436"	436.429
1	22	13.65	Reference mark; 630 ft NE. of tablet; 40 ft SE. of rd.; 100 ft SW. of rd. fork SE. to Stony Hill Methodist Church; in root of 12 in. pine tree; copper nail and washer	424.39
1	23	15.24	U.E., 2.0 mi S. of Badin, 100 ft NE. of crossroads; on NW. corner of concrete base of gas pump; chiseled square	457.12
1	24	15.64	Badin, 2.0 mi S. of, thence 0.4 mi E.; 25 ft E. of crossing of steel tower powerline; in concrete post; standard tablet stamped "WDL 5 1955 416"	415.682

RECOVERED GOOD 9/9/89

LINE 1 (Cont'd)

			<u>Feet</u>	
1	24	15.62	Reference mark; 90 ft SW. of tablet; 50 ft S. of rd.; in root of 10 in. oak tree; copper nail and washer	423.33
1	26	16.74	U.E., 200 ft S. of Y-rd. fork; 20 ft E. of rd; on top of smaller of two boulders; chiseled square	490.28
1	80		Badin, 2.2 mi SE. of; 100 ft NW. of bridge; 25 ft SW. of rd.; in top of concrete post projecting 4 in.; standard tablet stamped "WDL 6 1955 428"	428.346
1	80		Reference mark; 140 ft NW. of tablet; 15 ft SW. of rd.; on ledge; chiseled square	431.34
1	28	18.03	U.E., S. of Y-rd. fork E.; on boulder; square	455.43
1	30	19.49	U.E., Badin, NW. angle of Falls Road and Spruce Street; on SE. corner of steel catch basin; chiseled cross	536.02
1	31	19.74	U.E., 70 ft S. of junction of Falls Road and Boyden Street; W. side of Boyden Street; on N. end of bottom concrete step; chiseled square	530.49
1	31	19.95	Badin, 180 ft N. of junction of State Highway 740 and Falls Road across hwy. from freight station; 30 ft E. of hwy.; in N. end of concrete culvert; standard tablet stamped "WDL 7 1955 515"	514.695
1	32	20.78	U.E., NW. angle of crossroad; on NW. end of pipe and crossroads SW.-NE.; chiseled square	591.32
1	33	22.20	U.E., at O. H. Road crossing RR.; on SE. bridge seat; chiseled square	612.31
1	34	23.48	U.E., 290 ft S. of milepost 53, W. of track; on NE. corner of headwall of culvert; chiseled square	587.49
1	35	24.64	"K 96 1935" (NGS)	582.102

LINE 2.

By W. D. Leech, 1955; Book AV 459

1	36	0.00	"WDL 3 1955 310" (Described in line 1)	309.566
1	36	0.68	U.E., S. of rd.; on concrete pipe; chiseled square	338.91
1	36	1.15	U.E., at NE. angle of crossroads; on N. end of concrete pipe; chiseled square	353.31
1	37	1.65	U.E., W. of rd.; on N. end of bottom brick step at entrance to church; chiseled square	366.13
1	37	2.19	Pee Dee, 6.6 mi NW. of, 7.0 mi SW. of Uwharrie; 380 ft S. of bridge over Woodrum Creek; 30 ft W. of rd.; in concrete post; standard tablet stamped "WDL 8 1955 337"	336.807

LINE 2 (Cont'd)

			<u>Feet</u>	
1	37	2.18	Reference mark; 20 ft S. of tablet; in W. root of 4 in. pine tree; copper nail and washer	336.90
1	38	2.88	U.E., W. of rd.; on pipe; chiseled square	347.52
1	40	4.34	Uwharrie, 4.9 mi SW. of, 30 ft E. and in line with T-rd. W.; in concrete post; standard tablet stamped "WDL 9 1955 374"	373.480
1	41	4.37	Reference mark; 140 ft N. of tablet; 40 ft E. of rd.; in root of multiple water oak tree; copper nail and washer	369.22
1	43	6.20	U.E., at NW. corner of bridge, on concrete wingwall; chiseled square	345.43
1	43	6.68	Uwharrie, 2.6 mi SW. of, in SE. angle of rd. fork E. to Mt. Carmel Church; 45 ft SE. of junction, in concrete post; standard tablet stamped "WDL 10 1955 416"	415.732
1	43	6.67	Reference mark; 70 ft NW. of tablet; 40 ft NW. of hwy.; in SE. root of 10 in. oak tree; copper nail and washer	415.80
1	46	8.50	Uwharrie, 0.8 mi SW. of, 35 ft E. of T-rd. W.; 15 ft S. of R.E.A. guy pole; in concrete post; standard tablet stamped "WDL 11 1955 418"	417.879
1	46	8.48	Reference mark; 120 ft S. of tablet; 60 ft E. of rd.; in root of 18 in. oak tree; copper nail and washer	420.54
1	46	9.03	U.E., W. of rd.; on S. end of concrete pipe under T-rd. W.; chiseled square	438.04
1	47	9.29	U.E., Uwharrie, 150 ft S. of junction of State Highway 109 and rd. S. to Swift Island bridge; on SW. corner of S. leg of L-shaped culvert; chiseled square	463.89
1	47	9.57	U.E., Uwharrie, 470 ft N. of junction of State Highway 109 and rd. N. to Ophir, E. of rd.; on concrete pipe; chiseled square	445.89
<u>[Jogs into Troy quadrangle]</u>				
1	57	16.75	Ophir, 0.6 mi N. of, thence 1.5 mi W. of; 1.6 mi E. of rd. fork at Goggins Mine; at turn in rd. and at E. end of level rd.; 20 ft N. of rd.; in concrete post; standard tablet stamped "WDL 15 1955 463"	463.053
1	58	16.77	Reference mark; 110 ft W. of tablet; 20 ft N. of rd.; in S. root of 8 in. maple tree; copper nail and washer	462.35
1	60	18.35	Eldorado, 1.6 mi NE. of; at Goggins Mine; at rd. E. to Ophir; 100 ft E. of W. junction of rd.; 30 ft N. of rd.; in concrete post; standard tablet stamped "WDL 16 1955 517"	516.827
1	60	18.36	Reference mark; 30 ft NE. of tablet; in S. root of 12 in. oak tree; copper nail and washer	517.28

LINE 2 (Cont'd)Feet

1 62	19.99	U.E., Eldorado, 70 ft SE. and 50 ft SW. of junction of rd. fork N. to Goggins Mine; on NE. corner of concrete base of Esso sign; chiseled square	519.80
1 63	20.47	Eldorado, 0.5 mi NE. of T-rd. N. to Goggins Mine; 0.2 mi NW. of church; 30 ft SW. of rd.; in top of concrete post; standard tablet stamped "WDL 17 1955 522"	522.433
1 63	20.49	Reference mark; 80 ft NE. of tablet; 50 ft NE. of rd.; on top of concrete right-of-way post	523.66
1 64	21.22	U.E., 200 ft SE. of rd. W.; NE. of hwy.; on NW. end of culvert; chiseled square	538.30
1 65	22.40	Eldorado, 2.4 mi NW. of, at Blaine, 50 ft NW. and 40 ft SW. of T-rd. NE. to Ophir; in concrete post; standard tablet stamped "WDL 18 1955 578"	578.372
1 65	22.44	Reference mark; 220 ft NW. of tablet; 35 ft NE. of rd.; in root of 8 in. gum tree; copper nail and washer	585.46
1 66	23.00	U.E., on bridge seat at SW. corner of bridge; chiseled square	527.13
1 67	24.00	Blaine, 1.6 mi W. of; 95 ft W. of rd. fork SW.; 25 ft N. of rd.; in concrete post; standard tablet stamped "WDL 19 1955 569"	569.022
1 68	24.01	Reference mark; 20 ft NE. of tablet; on rock outcrop; chiseled square	571.36
1 69	25.92	Blaine, 3.5 mi NW. of, 0.5 mi E. of Beaver Dam Creek; at drain from NE.; 30 ft SW. of rd.; in concrete post; standard tablet stamped "WDL 20 1955 569"	568.951
1 69	25.93	Reference mark; 20 ft S. of tablet; in SE. root of 12 in. ash tree; copper nail and washer	569.20

LINE 3.

By W. D. Leech, 1955; Book AV 458

2 1	0.00	"WDL 10 1955 416" (Described in line 2)	415.732
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LINE 4.

By W. D. Leech, 1955; Book AV 458

2 50	2.17	"J 50 1933" (NGS) (Disturbed, 1957)	448.159
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[Jogs in to Norwood quadrangle]

2 55	6.23	Aquadale, 2.0 mi N. of; 400 ft W. of crossroads; 50 ft W. of private rd. N.; 25 ft N. of rd.; in concrete post; standard tablet stamped "WDL 45 1955 515"	514.821
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LINE 4 (Cont'd)

			<u>Feet</u>
2	56	6.29 Reference mark, 320 ft W. of tablet; 30 ft S. of rd.; SE. angle of private rd. S.; in root of 8 in. oak tree; copper nail and washer	517.31

LINE 5.

By W. D. Leech, 1955; Book AV 458

4	2	0.00 "F 50 1933" (NGS)	459.769
4	3	1.30 U.E., at W. end of bridge over Long Creek; on N. wingwall; chiseled square	425.81
4	4	1.91 Albemarle, 2.0 mi SW. of; 130 ft S. of junction of rd. fork; 30 ft E. of rd.; in concrete post; standard tablet stamped "WDL 51 A 1955 506"	505.954
4	4	1.93 Reference mark; 110 ft N. of tablet; on SE. corner of concrete catch basin; chiseled square	503.29
4	5	2.08 U.E., on W. end of S. headwall of culvert; chiseled square	435.67
4	5	3.31 U.E., at NW. angle of T-rd. N.; on SE. corner of walk around Twin Pines Cafe; chiseled square	489.42

LINE 6.

By Deane, 1958; Book AV 645

2	64	0.00 U.E., on S. end of concrete culvert at intersection of Y-rd. and State Highway 109 at Uwharrie; chiseled square	463.89
2	65	1.44 U.E., on NW. wingwall of bridge over Uwharrie River; chiseled square	337.30
2	66	1.61 Eldorado, 3.0 mi S. of; on right bank, 300 ft downstream from State Highway 109; standard gaging station tablet not stamped	327.645