

THIRD-ORDER LEVELING  
SEA LEVEL DATUM OF 1929

GAFFNEY QUADRANGLE  
150 S.C.-84 N.C.  
N3500-W8130/15  
DIAGRAM NT 17-2  
CHARLOTTE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

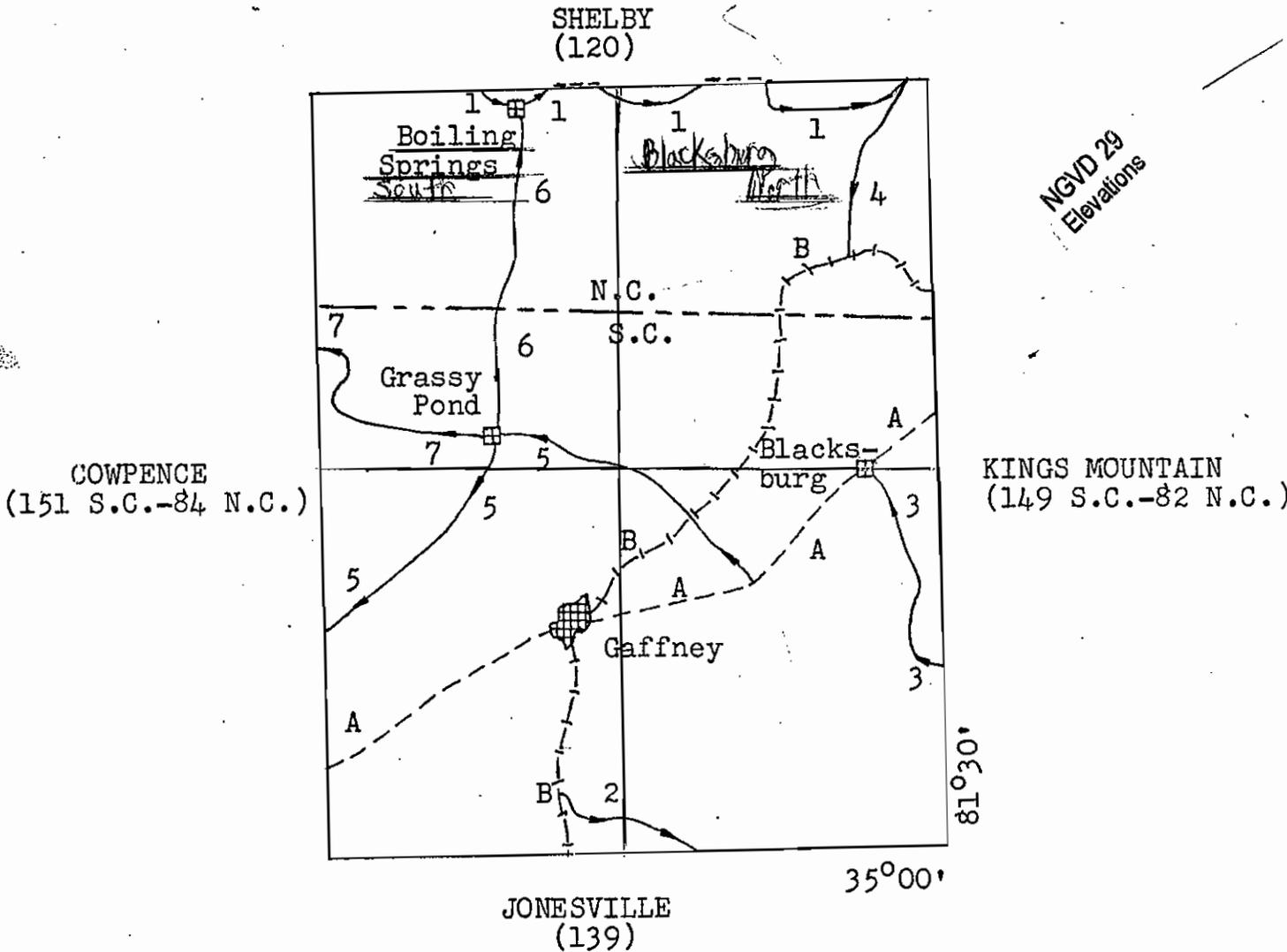
Cleveland County, North Carolina;  
Cherokee County, South Carolina

Only the permanent marks  
are listed for lines  
run more than 25 years  
before edition date

Final adjustment of 1971

Edition of 9/7/71

PR: WSM/ale



NGS (USC&GS) VERTICAL CONTROL DATA

- A. Quadrangle 350813
- B. South Carolina Geodetic Survey

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NGVD 29  
Elevations

GAFFNEY S.C.-N.C.  
Eks. A6416, B6031, B6088

	<u>Feet</u>
ISOLATED BENCH MARKS ESTABLISHED PRIOR TO 1910 (By L. L. Lee, 1906; Book A6416; G. B. Dean, 1934; Book B6031; P. A. Wattley, 1934; Book B6088)	
Blacksburg, at Southern Railway; in SW. corner of small park; on iron post; standard cap stamped "767"	765.810
Blacksburg, 3.2 mi N. of, along Southern Railway; 100 ft W. of RR.; on W. edge of Blacksburg-Shelby Road; in NW. angle of T-rd. W.; on iron post; standard cap stamped "655"	654.330
Earl; 250 ft NW. of station; in NW. angle of four corners; at store of A. E. Bettice and Sons; in E. face of SE. brick pillar; standard tablet stamped "850"	849.490
Patterson Springs, in N. face of NE. brick pillar of station; standard tablet stamped "904 1900"	903.450
✓ Boiling Springs, 300 ft S. of crossroads; in N. face of NE. pillar of Boiling Springs Baptist Church; standard tablet stamped "877"	876.136
Boiling Springs, 3.4 mi SW. of, along rd. to Gaffney; 200 ft W. of iron bridge over Broad River; on N. edge of rd.; in solid rock bluff; standard tablet stamped "650"	648.999
Byarsville, 1.1 mi NW. of; 0.4 mi NW. of Humphrey's Gin; at junction of rd. SW.; in NW. angle of forks; on iron post; standard tap stamped "870"	869.034
Maud; in W. face of outside brick chimney of house of R. E. Linder; at W. end of house; standard tablet stamped "956"	955.530
Maud, 2.3 mi S. of, along Gaffney Road; 200 ft S. of of T-rd. W.; on E. edge of rd.; in front of residence of C. T. Clary; on iron post; standard cap stamped "840"	839.316
Gaffney, 2.7 mi N. of, on rd. to Maud; at junction of T-rd. NE.; in NE. angle of fork; on iron post; standard cap stamped "852"	850.834

GAFFNEY S.C.-N.C.  
Bks. A6416, B6031, B6088

<u>ISOLATED BENCH MARKS (Cont'd.)</u>	<u>Feet</u>
Gaffney, in W. face at SW. corner of station; 0.3 ft above paving; standard tablet stamped "779" (Tied by USC&GS, 1932)	778.417
Gaffney, 3.2 mi NE. of; on RR. bridge 431.9 over Cherokee Creek; in top step of rock abutment at SE. corner of bridge; standard tablet stamped "635" (Tied by USC&GS, 1932)	634.021
Blacksburg, 3.4 mi SW. of; on Ry. bridge 4303 across Broad River; in top of concrete abutment; in SE. corner; standard tablet stamped "595"	594.503
Gaffney, 3.3 mi S. of; on E. edge of Gaffney-Union Road; in front of house of J. S. Littlejohn; on iron post; standard cap stamped "799"	797.763
Pettys Store, 0.9 mi SE. of; at forks of Howells Ferry and Bates Mill Roads; on iron post; standard cap stamped "765"	764.546
Lawn; at crossing of Howells Ferry and Union Roads; in SE. angle; on iron post; standard cap stamped "739"	738.162
Lawn, 2.5 mi SE. of Smith Ford Road; in W. face of outside chimney at S. end of Hannett's store; standard tablet stamped "716"	714.831
Smith Ford of Broad River; 2.4 mi NW. of, along rd. to Gaffney; at SW. corner of church; on iron post; standard cap stamped "646"	645.276
Thickety, 1.4 mi NW. of, along rd. to Macedonia Church; 40 ft E. of rd.; 38 ft SW. of house; in concrete post; standard tablet stamped "2 D 1934" (Reported destroyed, 1956)	745.239

NGVD 29  
Elevations

GAFFNEY S.C.-N.C.  
Bks. A6416, B6031, B6088

ISOLATED BENCH MARKS (Cont'd.)

Feet

Thickety, 9.0 mi E. of; 5.0 mi SE. of Corinth Church; 263 ft NW. of Y-rd. SE.; 105 ft S. of centerline of county rd. from Dawkins Mill Bridge to Blantons Plantation; in concrete post; standard tablet stamped "TT 21 P 1933" 763.249

Wilkinsville, 6.0 mi NW. of; 3.0 mi E. of Corinth School; 3.0 mi W. of Old Brick House; 26 ft N. of centerline of rd.; 18 ft SW. of dwelling; in concrete post; standard tablet stamped "W 5 1934 574" 572.605

LINE 1.

W. S. Monk, 1949; Book AV 88 a

Zoar Church, 1.1 mi S. of, along Shelby-Gaffney Road, thence 0.7 mi E. along Patterson Springs Road; in E. face of brick chimney; standard tablet stamped "776" 775.684

Reference mark; 30 ft SE. of tablet; in root on SE. side of 12-in. elm tree; copper nail and washer 774.02

Joags into Shelby quadrangle

✓ Patterson Springs, 1.1 mi N. of; 30 ft S. and 95 ft E. of junction of Patterson Springs Fallston Road and rd. to Zoar Church; 6 ft W. of power pole; in concrete post projecting 6 in.; standard tablet stamped "81 WSM 1949 923" 922.446

Reference mark; 140 ft N. of tablet; in root on W. side of 28-in. oak tree; copper nail and washer 923.74

LINE 2.

D. O. Pruitt, 1966; Book AV 1466 a

0.00 Gaffney, about 6.6 mi S. of post office; 0.2 mi N. of end of macadam and beginning of concrete pavement; 29 ft W. of centerline of State Highway 11; 58 ft NE. of SE. corner of tenant house of G. K. Page W. of Highway 1; 32 ft NE. of NE. corner of house; 22 ft NW. of nail in bottle cap in oak tree (group of 6 oaks); in Page frontyard; in concrete flush with ground; USC&GS and State Survey standard disk stamped "CK 112" 753.509

NGVD 29  
Elevations

LINE 2 (Cont'd.)Feet

- 1.08 Gaffney, 4.3 mi S. of high school, along State Highway 18; 106 ft NW. of W. corner of Gethsemane Methodist Church; 42 ft E. of intersection of State Highways 220 and 18; 2 ft S. of power pole; 1 ft W. of witness post; in concrete post projecting 0.3 ft; standard tablet stamped "9 DOP 1966 800" 799.589
- 1.91 Gaffney, 4.1 mi S. of high school, along State Highway 18, thence 0.9 mi E. along State Highways 54; 32 ft SW. of intersection of State Highways 54 and 92; 3 ft NW. of power pole; 1 ft W. of witness post; in concrete post projecting 0.1 ft; standard tablet stamped "10 DOP 1966 757" 756.673
- 2.59 Gaffney, 4.1 mi S. of high school, along State Highway 18, thence 1.6 mi E. along State Highways 54 and 92; 40 ft SE. of intersection of State Highways 117 and 92; 19 ft S. of centerline of Highway 92; 3 ft SW. of support power pole; 2 ft W. of witness post; in concrete post projecting 0.1 ft; standard tablet stamped "11 DOP 1966 719" 719.091

LINE 3.

H. L. Zohn, 1971; Book AV 1602 a

- 8.53 U.E., in junction of County Roads 43 and 44; copper nail and washer, painted "CL 593.2" 593.19
- 9.49 Blacksburg, 4.2 mi SE. and S. of junction of U. S. Highway 29 and County Road 43, along Road 43; 130 ft NW. of, and about 6 ft higher than junction of County Roads 43 and 119; 0.5 ft E. of witness post; in concrete post projecting 0.2 ft; standard tablet stamped "58 HLZ 1971 680", painted "BM 680.4" 680.450
- 10.23 U.E., in junction of County Roads 1214 and 43; copper nail and washer, painted "CL 690.9" 690.90

LINE 3 (Cont;d.)

Feet

- 11.18 Blacksburg, 2.5 mi SE. of junction of U.S. Highways 29 and County Road 43, along Road 43; in "V" formed by junction of County Roads 43 and 209; 22 ft W. of centerline of Road 209; 24 ft E. of centerline of Road 43; in concrete post projecting 0.2 ft; standard tablet stamped "57 HLZ 1971 172", painted "BM 772.2" 772.245
- 11.56 U.E., in junction of County Roads 43 and 30; copper nail and washer, painted "CL 817.5" 817.49
- 12.41 Blacksburg, 1.15 mi SE. of junction of U. S. Highway 29 and County Road 43, along Road 43; at 80-ft bridge over Doolittle Creek; in W. end of S. backwall; standard tablet stamped "56 HLZ 1971 633", painted "BM 632.9" 632.907
- WL = 619 ft
- 13.30 U.E., Blacksburg; in junction of W. Pine Street; and S. Charleston Street; copper nail and washer, painted "CL 792.6" 792.60
- 13.64 U.E.; Blacksburg, about 0.45 mi SW. of RR. station; at RR. crossing for County Road 43 near Dodgeville Finishing Company; copper nail and washer, painted "CL 739.4" 739.39
- 14.12 "N 5 1932" (USC&GS) 767.561

LINE 4.

NGVD 29  
Elevations

H. L. Zohn, 1971; Book AV 1602 a

- 10.97 "81 WSM 1949 923" (Described in line 1) 922.446
- 11.77 U.E., in junction of State Highway 180 and County Road 2205; copper nail and washer, painted "CL 896.6" 896.58
- 12.22 U.E., in centerline of State Highway 198 at RR. crossing; copper nail and washer, painted "CL 902.4" 902.42
- ✓ 12.85 Earl, 1.9 mi N. of post office, along State Highway 198; 22.5 ft S. and 44.5 ft E. of, and about 1 ft higher than junction of State Highways 198 and 180; in concrete post projecting 0.2 ft; standard tablet stamped "69 HLZ 1971 882", painted "BM 882.0" 881.980

GAFFNEY  
Book AV 1602 a

S.C.-N.C.

H. L. Zohn

1971

LINE 4 (Cont'd.)Feet

13.31	U.E., in junction of State Highway 198 and County Road 1107; copper nail and washer, painted "CL 885.3"	885.28
14.22	U.E., in junction of State Highway 198 and County Road 2226; copper nail and washer, painted "CL 847.9"	847.87
14.67	Earl; about 300 ft NW. of post office; between Town Street and RR.; 28 ft W. of W. rail; 14.5 ft E. of centerline of street; 0.5 ft E. of witness post; in concrete post flush with ground; USC&GS and State Survey standard disk stamped "NC 174"	847.085

LINE 5.

H. L. Zohn, 1971; Book AV 1602 a

0.00	"RV- 49" (Sou. Ry.) (USC&GS)	638.037
0.38	U.E., in junction of County Roads 32 and 49; copper nail and washer, painted "CL 711.3"	711.25
1.22	U.E., at bridge (for State Highway 18) over Interstate Highway 85; on N. end of E. guardrail base; chiseled square, painted "UE 738.0"	737.97
1.90	Blacksburg, 4.2 mi SW. of junction of State Highway 5, along U. S. Highway 29, thence 2.1 mi NW. along County Road 32, thence 0.7 mi N. along State Highway 18; 143 ft NE. of junction of Highway 18 and County Road 71; 45 ft NW. of, and about 3 ft higher than centerline of Highway 18 opposite; 0.5 ft SE. of witness post; in concrete post projecting 0.2 ft; standard tablet stamped "70 HLZ 1971 611", painted "BM 611.4"	611.427
2.63	U.E., in centerline of County Road 71 at dirt drive N.; copper nail and washer, painted "CL 726.3"	726.78
3.11	U.E., Concord Baptist Church; on SW. corner of walk in front of church; chiseled square, painted "UE 755.2"	755.17

NGVD 29  
Elevations

1971

LINE 5 (Cont'd.)Feet

3.92	Grassy Pond, 0.7 mi NE. of junction of State Highway 150 and County Road 63, along Road 63, thence 2.1 mi SE. along County Roads 97 and 71; 55 ft S. of, and about level with junction of County Roads 71 and 82 SE.; 2 ft NE. of wire fence; 2 ft NE. of witness post; in concrete post projecting 0.2 ft; standard tablet stamped "71 HLZ 1971 792", painted "BM 792.0"	792.024
4.52	U.E., in junction of County Roads 97 and 430; copper nail and washer, painted "CL 811.6"	811.57
5.03	U.E., in junction of County Roads 97 and 350; copper nail and washer, painted "CL 827.8"	827.86
5.54	Grassy Pond, 1.1 mi NE. and SE. of junction of State Highway 150 and County Road 63, along County Roads 63 and 97; 54 ft N. and 25 ft W. of, and about 2.5 ft higher than junction of County Roads 97 and 48; 0.5 ft E. of witness post; in concrete post projecting 0.2 ft; standard tablet stamped "72 HLZ 1971 858", painted "BM 857.8"	857.846
5.94	U.E., in junction of County Roads 63 and 97 SE.; copper nail and washer, painted "CL 890.9"	890.87
6.67	Grassy Pond, 79.5 ft E. of junction of State Highway 150 and County Road 63; 29.5 ft NE. of centerline of Highway 150 opposite; 8 ft E. of fire hydrant; 0.5 ft SW. of witness post; in concrete post projecting 0.2 ft; standard tablet stamped "73 HLZ 1971 874", painted "873.7"	873.764
7.48	U.E., in centerline of 20-ft wooden bridge over small stream; copper nail and washer, painted "CL 763.3"	763.32

WL = 747 ft

NGVD 29  
Elevations

1971

LINE 5 (Cont'd.)Feet

- 7.99 Grassy Pond, 1.3 mi SW. of junction of County Roads 63 and 61, along County Road 61; at Gaffney Day School (brown brick); at SW. entrance of two front entrances; in concrete slab; standard tablet stamped "74 HLZ 1971 829", painted "BM 828.6" 828.649
- 8.51 U.E., in centerline of 35-ft wooden bridge over Cherokee Creek; copper nail and washer, painted "CL 769.5" 769.53
- WL = 753 ft
- 9.01 U.E., in junction of State Highway 11 and County Road 61; copper nail and washer, painted "CL 858.6" 858.68
- 9.46 Gaffney, 2.0 mi NW. of junction of U. S. Highway 11 and Interstate Highway 85, along Highway 11, thence 0.45 mi SW. along County Road 61; at J. Paul Beam Elementary School; at NE. entrance to school; 22.5 ft NE. of door; in walk; standard tablet stamped "75 HLZ 1971 852", painted "BM 852.5" 852.511
- 9.95 U.E., in junction of County Roads 61 and 42; copper nail and washer, painted "CL 847.3" 847.30
- 10.61 Gaffney, 2.0 mi NW. of junction of State Highway 11 and Interstate Highway 85, along Highway 11, thence 1.7 mi SW. along County Road 61; 72 ft W. of, and about 3 ft higher than junction of County Roads 61 and 165; 1.5 ft NE. of witness post; in concrete post projecting 0.2 ft; standard tablet stamped "76 HLZ 1971 802", painted "BM 802.3" 802.387
- 11.33 U.E., in centerline of 90-ft steel bridge over small stream; copper nail and washer, painted "CL 660.9" 660.92

WL = 641 ft

NGVD 29  
Elevations

Book AV 1602 a

1971

LINE 5 (Cont'd.)Feet

- 12.06 Gaffney, 3.9 mi SW. of junction of State Highway 11 and Interstate Highway 85, along Highway 85; 27.5 ft N. of, and about 0.5 ft lower than centerline of Frontage Road opposite; 83 ft N. of centerline of westbound lanes of Interstate Highway 85; 2 ft SE. of wire fence corner; 0.5 ft S. of witness post; in concrete post projecting 0.2 ft; standard tablet stamped "77 HLZ 1971 764", painted "BM 764.3" 764.329
- 12.61 U.E., in centerline of Frontage Road at dirt rd. N.; copper nail and washer, painted "840.8" 840.85

LINE 6.

H. L. Zohn, 1971; Book AV 1602 a

- 0.00 "73 HLZ 1971 874" (Described in line 5) 873.764
- 1.05 U.E., at 60-ft bridge over Goforth Creek; on top of S. end of E. guardrail; chiseled square, painted "UE 746.2" 746.22
- 1.39 Grassy Pond, 1.4 mi N. of junction of County Road 63, along State Highway 150; 43 ft N. and 33 ft E. of, and about level with junction of State Highway 150 and dirt rd. NE.; 2 ft SW. of witness post; in concrete post projecting 0.2 ft; standard tablet stamped "78 HLZ 1971 803", painted "BM 803.2" 803.196
- 1.72 U.E., in centerline of 45-ft bridge over small stream; copper nail and washer, painted "CL 743.6" 743.57

WL = 731 ft

- 2.53 U.E., at N.C.-S.C. State line; in centerline of State Highway 150 at dirt rd. W.; copper nail and washer, painted "CL 837.8" 837.85
- 2.93 Grassy Pond, 3.0 mi N. of junction of County Road 63, along State Highway 150; 40 ft S. and 72 ft E. of, and about level with junction of State Highway 150 and County Road 1200; 0.5 ft W. of witness post; in concrete post projecting 0.2 ft; standard tablet stamped "79 HLZ 1971 873", painted "BM 872.8" 872.838

NGVD 29  
Elevations

Book AV 1602 a

1971

LINE 6 (Cont'd.)(Feet)

3.28	U.E., in junction of State Highway 150 and County Road 1202; copper nail and washer, painted "CL 884.2"	884.18
4.26	Boiling Springs, 3.4 mi S. of post office, along State Highway 150; at bridge over Broad River; in SE. wingwall; standard tablet stamped "80 HLZ 1971 665", painted "BM 664.7"	664.750
WL = 627 ft		
5.04	U.E., in centerline of State Highway 150 at drive W. to residence of H. B. Moore; copper nail and washer, painted "CL 821.2"	821.19
5.84	Boiling Springs, 1.75 ft S. of post office, along State Highway 150; 23 ft N. and 35 ft E. of, and about 2 ft higher than junction of State Highway 150 and County Road 1146; 0.5 ft W. of witness post; in concrete post projecting 0.2 ft; standard tablet stamped "81 HLZ 1971 879", painted "BM 878.6"	878.617
6.62	U.E., Boiling Springs; in junction of State Highway 150 and County Road 1149; copper nail and washer, painted "CL 886.4"	886.38
6.99	U.E., Boiling Springs; in junction of State Highway 150 and County Road 1148; copper nail and washer, painted "CL 878.1"	878.11

LINE 7.

H. L. Zohn, 1971; Book AV 1602 a

0.00	"73 HLZ 1971 874" (Described in line 5)	873.764
0.91	U.E., in junction of County Roads 34 and 63 W.; copper nail and washer, painted "CL 863.3"	863.30

NGVD 29  
 Elevations

LINE 7 (Cont'd.)Feet

1.78	Grassy Pond, 1.9 mi W. of junction of State Highway 150 and County Road 63, along Road 63; 39 ft S. and 53 ft E. of, and about 1.5 ft lower than centerline of Road 63 at dirt rd. S.; 1 ft N. of witness post; in concrete post projecting 0.2 ft; standard tablet stamped "87 HLZ 1971 850", painted "BM 850.2"	850.251
2.72	U.E., in junction of County Roads 162 and 63; copper nail and washer, painted "CL 910.9"	910.91
3.12	U.E., in centerline of County Road 162 at dirt rd. S.; copper nail and washer, painted "CL 954.7"	954.67
3.56	Grassy Pond, 3.7 mi W. and NW. of junction of State Highway 150 and County Road 63, along County Roads 63 and 162; 70 ft NNW. of, and about 1 ft lower than junction of County Roads 162 and 80; 0.5 ft SW. of witness post; in concrete post projecting 0.2 ft; standard tablet stamped "86 HLZ 1971 943", painted "BM 943.2"	943.224
3.96	U.E., in junction of County Roads 162 and 60; copper nail and washer, painted "CL 925.7"	925.73
4.44	U.E., in junction of County Roads 36 and 60; copper nail and washer, painted "CL 916.5"	916.55
5.10	Grassy Pond, 5.3 mi W. and NW. of junction of State Highway 150 and County Road 63, along County Roads 63, 162, and 60; at 30-ft bridge over small stream; in NW. wingwall; standard tablet stamped "85 HLZ 1971 820", painted "BM 819.6"	819.651

WL = 812 ft