

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

36-085-44
GLASGOW QUADRANGLE
41 KENTUCKY
N3645-W8545/15
DIAGRAM NJ 16-12
CORBIN

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

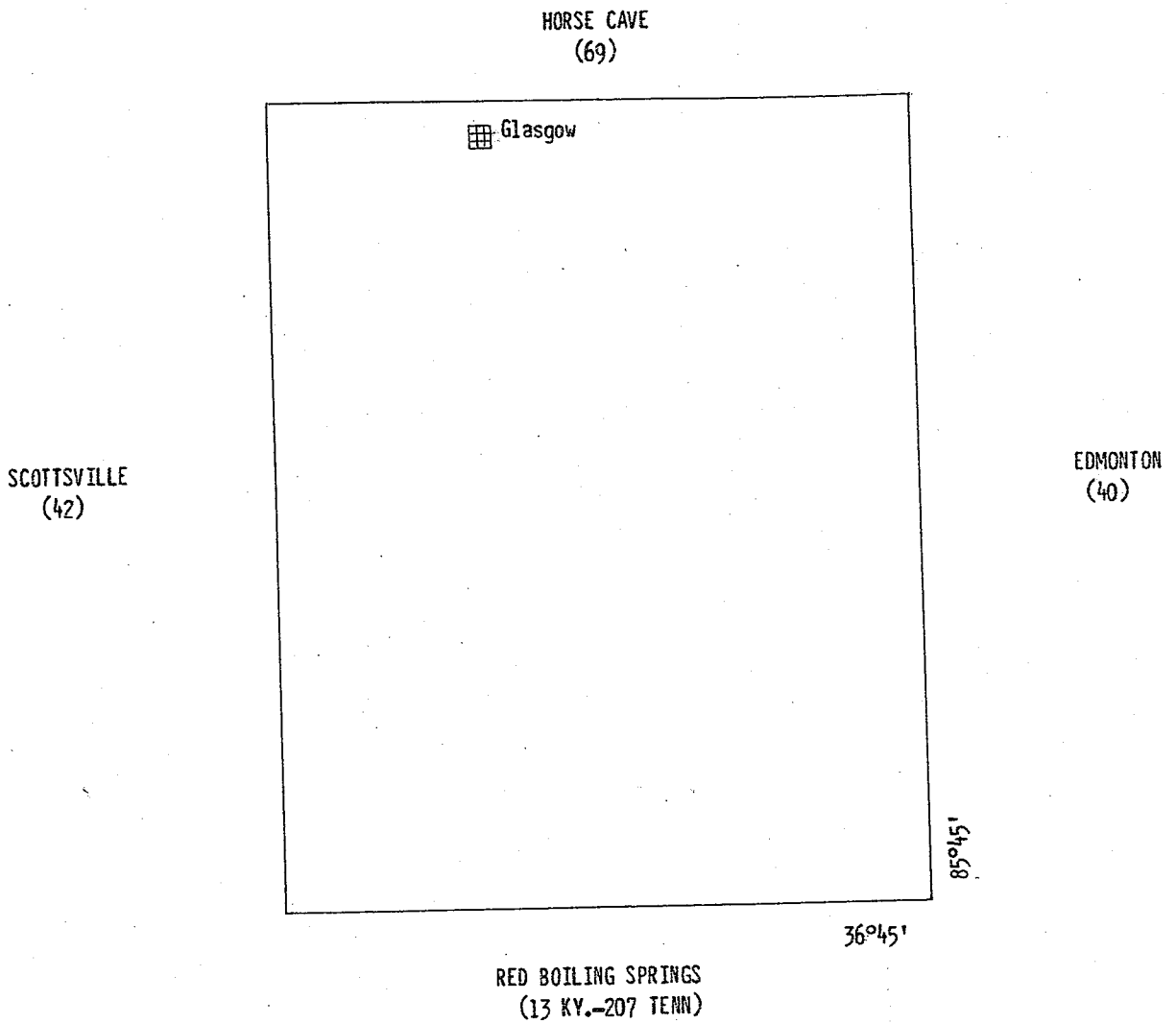
Allen, Barren and Monroe Counties

Edition of 8/2/76

PR: CRV/rmm

Plane coordinates are based on Lambert
projection, Kentucky, South Zone

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch



DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered ORSOLETE and is included in this list for the purpose of identification only.

INDEX OF PERMANENT MARKS

MARK (USGS)

PAGE NO.

TT STA NO 13 M 1928
TT 7 JRH 1952
TT 8 JRH 1952
TT 9 JRH 1952
TT 11 JRH 1952
TT 13 JRH 1952
TT 14 JRH 1952
TT 20 JRH 1952 710

3
3
3
3
4
4
4
4

NGS

V 13 1928 790.225
W 13 1928 775.142
G 63 1935
D 263 1951 857.338
E 263 1951 798.804
S 267 1951

3
3
5
4
4
4

STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE ° ' "	LONGITUDE ° ' "
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The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By S. H. Moyers, 1928; Book C8377

Mud Lick; 210 ft S. of general store of J. F. Lane and Sons; 25 ft W. of, and level with centerline of State Highway 63; in concrete post; standard tablet stamped "TI STA NO 13 M 1928" (Reported destroyed, 1953)

X = 1,991,260	Y = 152,632	36 45 09.21	85 46 47.40
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By R. H. Lyddan, 1934; Book D947

Glasgow; 6 ft N. of center of W. entrance to courthouse; 4 ft higher than sidewalk; in sandstone water table; NGS standard disk stamped "W 13 1928 775.172" (Reported destroyed, 1965)

X = 1,952,449	Y = 241,175	36 59 44.34	85 54 46.15
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Glasgow; 6 ft E. of center of N. entrance to post office; 55 ft W. of W. curb of South Race Street; 18 ft S. of S. curb of West Washington Street; 4 ft higher than sidewalk; in E. banister railing; NGS standard disk stamped "V 13 1928 790.225"

X = 1,952,179	Y = 241,097	36 59 43.56	85 54 49.53
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By J. R. Harris, 1952; Book AH 262

Tompkinsville, 4.1 mi NW. of post office, along State Highway 63, thence 1.4 mi NW. along graveled rd.; 0.5 mi N. of Sand Lick School; at S. edge of pipeline right-of-way; 22 ft WNW. of centerline of rd.; 32 ft N. of powerline pole; 6 ft WSW. of corner fencepost; in concrete post; standard tablet stamped "TI 7 JRH 1952"

X = 1,999,251	Y = 152,057	36 45 03.54	85 45 09.22
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Mud Lick, 2.8 mi NE. of; 2.9 mi N. of Sand Lick School; 32 ft N. and 15 ft E. of centerline of rd. at junction of I-rd. E.; 24 ft E. of centerline of N.-S. rd.; 18 ft N. of centerline of rd. E.; 5 ft NE. of fence corner; in concrete post; standard tablet stamped "TI 8 JRH 1952"

X = 1,997,340	Y = 163,305	36 46 54.76	85 45 32.70
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Sulphur Lick, 0.3 mi N. of, along State Highway 839, thence 1.4 mi W. along State Highway 678; 28 ft N. and 12 ft E. of centerline of Highway 678 at junction of extended centerlines of I-rd. S.; 8 ft W. of fence corner; 3 ft E. of N.-S. fenceline; in concrete post; standard tablet stamped "TI 9 JRH 1952"

X = 1,995,982	Y = 174,651	36 48 46.95	85 45 49.42
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STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE ° ' "	LONGITUDE ° ' "
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OBSOLETE MARKS (Cont'd.)

Sulphur Lick, 2.2 mi NW. of, along State Highway 839; 0.3 mi SE. of transmission line crossing; 0.2 mi SE. of Oak Grove Church; 300 ft W. of junction of rd. NE.; 12 ft S. of centerline of hwy.; in E. end of S. headwall of skew culvert; NGS standard disk stamped "S 267 1951"

X = 1,998,218 Y = 181,271 36 49 52.41 85 45 21.91

Summer Shade, 3.8 mi SW. of, along graveled rd.; 1.5 mi E. of Nobob; 92 ft N. and 38 ft E. of centerline of rd. at junction of I-rd. N.; 1 ft S. and 3 ft E. of fence corner; in concrete post; standard tablet stamped "TT 11 JRH 1952"

X = 1,999,373 Y = 193,570 36 51 54.02 85 45 07.71

Randolph, 3.0 mi SW. of post office, along State Highway 640, thence 0.9 mi W. along graveled rd.; 0.5 mi SE. of junction of rd. N.; 21 ft NE. of, and 2 ft higher than centerline of rd.; 300 ft SE. of curve with tangents extending W. and SE.; 105 ft NW. of top of hill; 1 ft SW. of fenceline; in flat triangular rock outcrop; NGS standard disk stamped "D. 263 1951 857.338"

X = 1,997,106 Y = 223,071 36 56 45.73 85 45 35.65

Randolph, 3.0 mi SW. of post office, along State Highway 640, thence 1.8 mi W. along graveled rd.; 0.2 mi W. of junction of rd. N.; 0.1 mi E. of junction of rd. S. at Kino; at E. drive of house on S. side of rd.; 28 ft S. of, and 2 ft lower than centerline of rd.; 30 ft SE. of centerline of drive; 42 ft SW. of powerline pole in fence corner; on E. slope of hill; in highest point of large flat rock outcrop; NGS standard disk stamped "E 263 1951 798.804"

X = 1,992,359 Y = 223,692 36 56 51.86 85 46 34.13

Kino, 0.3 mi E. of, thence 1.2 mi N., thence 0.7 mi E.; 25 ft S. of centerline of rd. at junction of I-rd. N.; 10 ft S. of fence corner; 2 ft W. of fence; in concrete post; standard tablet stamped "TT 13 JRH 1952"

X = 1,997,929 Y = 229,371 36 57 48.03 85 45 25.52

Wisdom, 0.7 mi W. of, along State Highway 80, thence 3.0 mi SW.; 0.7 mi N. of crossroads; 0.2 mi S. of bridge over Beaver Creek; at small cemetery; 18 ft N. and 3 ft W. of centerline of rd. at W. cemetery fenceline to N.; 5 ft SW. of 8-in. maple tree; 1 ft W. of cemetery fence; in concrete post; standard tablet stamped "TT 14 JRH 1952"

X = 1,995,728 Y = 237,238 36 59 05.81 85 45 52.66

Glasgow, 2.2 mi SW. of courthouse, along U. S. Highway 31E, thence 3.2 mi W.; 0.9 mi W. of South Fork Baptist Church; 2.0 mi NW. of Haywood; 0.3 mi W. of junction of I-rd. fork at fence corner; 22 ft SSE. of and about level with centerline of rd.; 37 ft SSE. of centerline of rd.; in concrete post; standard tablet stamped "TT 20 JRH 1952 710" (Not found, 1973)

X = 1,931,145 Y = 229,652 36 57 49.96 85 59 08.41

41 KENTUCKY
GLASGOW QUADRANGLE

36-085-44
5

STATION DESCRIPTION
 PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

OBsolete MARKS (Cont'd.)

Haywood, 0.9 mi SW. of, along U. S. Highway 31E.; 28 ft NW. of, and 2 ft higher than centerline of hwy.; 62 ft W. of W. corner of concrete headwall of cast-iron pipe culvert; 34 ft SW. of centerline of drive to residence of C. J. Carver; 4 ft SE. of small barn; in concrete post; NGS standard disk stamped "G 63 1935" (Not found, 1973)

X = 1,930,469

Y = 219,404

36 56 08.61

85 59 16.41

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

36-085-44
GLASGOW QUADRANGLE
41 KENTUCKY
N3645-W8545/15
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CORBIN

UNITED STATES
DEPARTMENT OF THE INTERIOR
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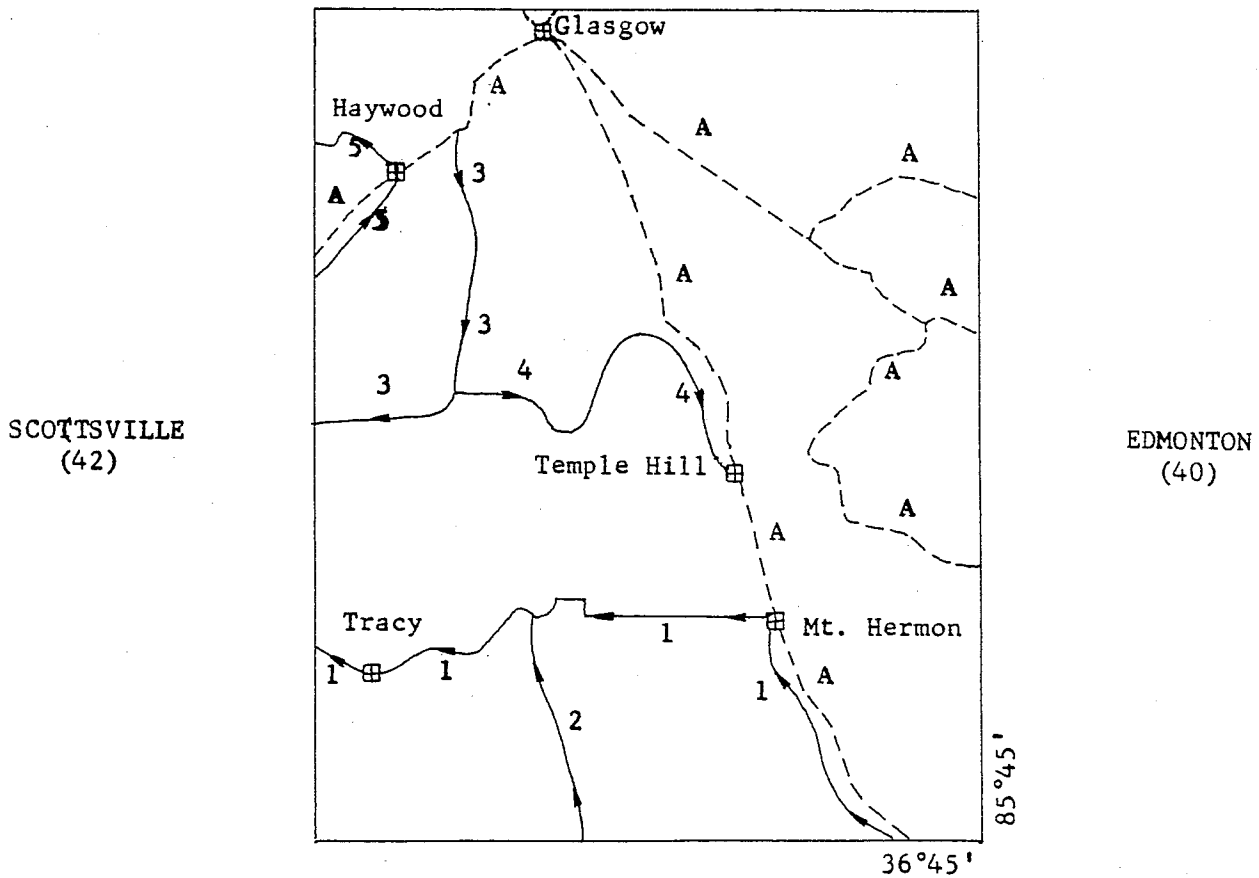
Barren, Metcalf and Monroe
Counties; Kentucky

Final adjustment of 1974

Edition of 5/21/74

PR: DSW/sws

HORSE CAVE
(69)



RED BOILING SPRINGS
(13 KY.-207 TENN.)

NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 360854

INDEX OF PERMANENT MARKS

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10 RHP 1952 806	5	AUSTIN 1950	4
11 RHP 1952 741	5	AUSTIN NO 1 1950	4
12 RHP 1952 607	5	AUSTIN NO 2 1950	5
13 RHP 1952 634	5	HAYWOOD 1950	7
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15 RHP 1952 808	6	HAYWOOD NO 1 1950	7
16 RHP 1952 797	6	HAYWOOD NO 2 1950	7
17 RHP 1952 718	6	MYERS 2 1952 (Tri Sta)	3
18 RHP 1952 809	6	MYERS 1939 (Azi Mk)	3
24 RHP 1952 992	3	MYERS NO 1 1939	3
25 RHP 1952 825	3	MYERS NO 2 1939	3
26 RHP 1952 897	4	TEMPLE HILL 1950	6
27 RHP 1952 737	4	TEMPLE HILL NO 1 1950	6
28 RHP 1952 846	5	TEMPLE HILL NO 2 1950	6
29 RHP 1952 639	4		
30 RHP 1952 849	4		

	<u>Feet</u>
ISOLATED BENCH MARKS (By A. B. Williams, 1923; Book B1617; S. G. Boyd, 1928; Book B2935)	
Tracy, 3.1 mi SW. of; 120 ft SE. of house of V. W. Harrison; 400 ft S. of Glovers Creek; 300 ft S. of rd. forks; 10 ft E. of rd.; in limestone ledge; standard tablet stamped "W 24 23 KY"	656.619
Reference mark, 97 ft NE. of tablet; on limestone ledge; chiseled square	645.95
Tracy, 240 ft E. of church; 200 ft SE. of school; 140 ft E. of T-rd. S.; N. of main rd.; 4 ft from pump; in E. corner of concrete base; standard tablet stamped "W 25 23 KY"	852.451
Mud Lick, 210 ft S. of general store of J. F. Lane and Sons; 25 ft W. of, and level with centerline of State Highway 63; in concrete post; standard tablet stamped "TT STA NO 13 M 1928" (Reported destroyed, 1953) (Tied by NGS, 1935)	989.939
<u>LINE 1.</u>	
By R. H. Paine, 1952; Book AV 316	
Tompkinsville, 6.8 mi NW. of, 4.7 mi SE. of Mt. Hermon, at Mudlick, 53 ft N. of State Highway 63, 19 ft E. of gravel rd. N., 34 ft W. of SW. corner of brick house, 2 ft W. of power pole, in concrete post set flush with ground; standard tablet stamped "24 RHP 1952 992"	992.300
Mud Lick, 2.0 mi NW. of, 2.7 mi SE. of Mt. Hermon, 20 ft W. of State Highway 63, 13 ft N. of dirt rd. W., in line with gravel rd. E., in concrete post; standard tablet stamped "25 RHP 1952 825"	825.191
Glasgow, 13.0 mi SE. of, 10.0 mi NW. of Tompkinsville, 0.25 mi S. of village of Mt. Hermon, about 120 ft W. of State Highway 63, in concrete post; NGS standard triangulation disk stamped "MYERS 2 1952"	1022.332
Reference mark No. 1, 176 ft NE. of station, in concrete post; NGS standard reference disk stamped "MYERS NO 1 1939"	1021.183
Reference mark No. 2, 156 ft SE. of station, in concrete post; NGS standard reference disk stamped "MYERS NO 2 1939"	1022.977
Azimuth mark, 0.25 mi N. of station, 20 ft W. of hwy., 1 ft W. of fenceline, in concrete post projecting 2-in.; NGS standard azimuth disk stamped "MYERS 1939"	986.351
"U 62 1935" (NGS)	998.761

LINE 1 (Cont'd.)Feet

Mount Hermon, 1.2 mi N. of, along State Highway 63, thence 0.9 mi W., 46 ft WSW. of crossroads, 20 ft S. of gravel rd., 22 ft NW. of rd. SW., 2 ft SW. of NE. corner fence post, in concrete post; standard tablet stamped "26 RHP 1952 897"	897.006
Reference mark, 60 ft NNE. of tablet, in root on SE. side of 40-in. black-oak tree; copper nail and washer	899.04
Mount Hermon, 1.2 mi N. of, along State Highway 63, thence 3.2 mi W., 180 ft W. of junction of gravel rd. and farm rd. N., 10 ft S. of gravel rd., in top of S. headwall of concrete box culvert; standard tablet stamped "27 RHP 1952 737"	737.341
Reference mark, 20 ft N. of tablet, on E. end of N. headwall of concrete culvert; chiseled square	737.58
Mount Hermon, 1.2 mi N. of, along State Highway 63, thence 6.0 mi W.; 7.7 mi N. of Flippin, along State Highway 249; 58 ft W. of Highway 249; 32 ft NW. of gravel rd. W.; about 130 ft SW. of SW. corner of Wyatt Grocery; 4 ft NW. of fence, in concrete post; standard tablet stamped "28 RHP 1952 846"	846.021
Tracy, 1.6 mi NE. of, 2.4 mi W. of Wyatt Grocery, 11 ft SE. of gravel rd., in SE. end of SW. concrete abutment of concrete bridge over Russell Branch; standard tablet stamped "29 RHP 1952 639"	639.400
Reference mark, 50 ft N. of tablet, on NW. end of NE. abutment of concrete bridge; chiseled square	640.17
Tracy, 1.9 mi E. of Austin triangulation station, 86 ft S. of State Highway 87, 130 ft W. of gravel rd. S., 3 ft NW. of NW. corner of Tracy Methodist Church, in concrete post; standard tablet stamped "30 RHP 1952 849"	848.841
Reference mark, 93 ft E. of tablet, in root on NW. side of 44-in. white-oak tree; copper nail and washer	851.26
Scottsville, 11.0 mi NW. of, 2.0 mi SE. of Austin, 83 ft NW. of white witness post, 35 ft N. of State Highway 87, in concrete post set flush with ground; NGS standard triangulation disk stamped "AUSTIN 1950"	812.895
Reference mark No. 1, 83 ft SE. of station, 24 ft S. of hwy., 2 ft N. of fenceline, in concrete post projecting 4-in.; NGS standard reference disk stamped "AUSTIN NO 1 1950"	811.743

LINE 1 (Cont'd.)Feet

Reference mark No. 2, 87 ft SW. of station, 24 ft S. of hwy., 2 ft N. of fenceline, in concrete post projecting 4-in.; NGS standard reference disk stamped "AUSTIN NO 2 1950" 810.996

LINE 2.

By R. H. Paine, 1952; Book AV 316

Flippin, 3.9 mi N. of, 3.8 mi S. of Wyatt Grocery, 0.3 mi N. of Barren-Monroe County line, 80 ft NW. of Y-rd. fork, 30 ft W. of State Highway 249, in concrete post; standard tablet stamped "10 RHP 1952 806" 805.943

U.E., Flippin, 5.1 mi N. of, 2.2 ft lower than State Highway 249, on N. end of E. concrete headwall of culvert; chiseled square 761.26

Flippin, 5.8 mi N. of, 1.9 mi S. of Wyatt Grocery, 15 ft E. of and 2 ft lower than center of State Highway 249, in top of E. concrete headwall of culvert; standard tablet stamped "11 RHP 1952 741" 740.605

Reference mark, 30 ft W. of tablet, on W. concrete headwall of culvert; chiseled square 741.08

"28 RHP 1952 846" (Described in line 1) 846.021

LINE 3.

By R. H. Paine, 1952; Book AV 316

"E 63 1935" (NGS) 637.177

Glasgow, 2.6 mi SW. of, along U. S. Highway 31E, thence 1.7 mi S., 800 ft S. of ford, 23 ft ENE. of gravel rd., 12 ft S. of private rd. E. and center of cattle guard, 3 ft S. of S. concrete block gate post, in concrete post; standard tablet stamped "12 RHP 1952 607" 606.633

Glasgow, 2.6 mi SW. of, along U. S. Highway 31E, thence 2.2 mi S. of, 58 ft SW. of and 4.7 ft higher than Y-rd. fork, 20 ft W. of gravel rd., in line with rd., NE., 3 ft NW. of power pole, in concrete post; standard tablet stamped "13 RHP 1952 634" 634.198

Glasgow, 2.6 mi SW. of, along U. S. Highway 31E, thence 5.4 mi S. of, 0.7 mi W. of Roseville, 5.7 mi E. and 0.6 mi N. of Lucas, 32 ft SE. of and 2.0 ft higher than T-rd. fork, 25 ft E. of gravel rd., 25 ft S. of gravel rd. E., in concrete post; standard tablet stamped "14 RHP 1952 777" (Not found, 1973) 776.653

LINE 3 (Cont'd.)Feet

Lucus, 4.1 mi E. of, in NW. angle of and 1.3 ft lower than cross-roads, 70 ft N. of E.-W. gravel rd., 12 ft W. of N.-S. gravel rd., 1 ft E. of N. end of concrete retaining wall around yard, in concrete post; standard tablet stamped "15 RHP 1952 808" 808.308

Reference mark, 63 ft SSW. of tablet, on SE. corner of concrete retaining wall around yard; chiseled square 807.97

LINE 4.

By R. H. Paine, 1952; Book AV 316

"14 RHP 1952 777" (Described in line 3) 776.653

Roseville, 1.5 mi SE. of, along dirt rd., about 120 ft S. of Harris Grocery, 38 ft SW. of gravel rd., 13 ft N. of dirt rd., W., 6 ft S. of 14-in. white-oak tree, 6 ft N. of forked 10-in. white-oak tree, in concrete post; standard tablet stamped "16 RHP 1952 797" 797.442

Temple Hill, 1.5 mi NW. of, along State Highway 63, thence 0.9 mi SW., 0.2 mi S. thence 2.3 mi NE. of Harris Grocery, 0.3 mi SW. of steel bridge over Skeggs Creek, 60 ft W. of gravel rd., 23 ft S. of drive W. to farm of J. R. Underwood, 20 ft E. of 50-in. beech tree, in concrete post; standard tablet stamped "17 RHP 1952 718" 717.755

Reference mark, 72 ft E. of tablet, on NE. end of concrete tile culvert; chiseled square 710.40

Temple Hill, 1.5 mi NW. of, along State Highway 63, 93 ft NW. of Y-rd. fork, 50 ft SW. of hwy., 45 ft N. of gravel rd. W., 4 ft E. of 8-in. sycamore tree, 2 ft N. of NE. corner of old concrete foundation, in concrete post; standard tablet stamped "18 RHP 1952 809" (Not found, 1973) 808.752

Temple Hill, 250 ft W. of NW. corner of Temple Hill Consolidated School, 42 ft E. of State Highway 63, 29 ft N. of N. entrance drive to school, 29 ft S. of telephone pole, 16 ft E. of white witness post and fenceline, in concrete post set flush with ground; NGS standard triangulation disk stamped "TEMPLE HILL 1950" 802.503

Reference mark No. 1, 84 ft E. of station, 22 ft E. of power pole, 12 ft S. of entrance drive, in concrete post set flush with ground; NGS standard reference disk stamped "TEMPLE HILL NO 1 1950" 802.326

Reference mark No. 2, 135 ft NW. of station, 25 ft E. of hwy., 3 ft E. of fenceline, in concrete post set flush with ground; NGS standard reference disk stamped "TEMPLE HILL NO 2 1950" 803.331

LINE 4 (Cont'd.)Feet

Temple Hill, 1.6 mi S. of, along State Highway 63, at steel bridge over Skeggs Creek, at S. end of E. wheel guard; top of bolt head 661.87

"S 62 1935" (NGS) 685.153

LINE 5.

By R. H. Paine, 1953; Book AV 342

"G 63 1935" (NGS) (Not found, 1973) 690.573

Glasgow, 6.0 mi SW. of, 0.35 mi SW. of Haywood School, 26 ft SE. of U. S. Highway 31E, 1 ft NE. of corner fencepost, in concrete post; NGS standard azimuth disk stamped "HAYWOOD 1950" 741.152

Glasgow, 5.6 mi SW. along U. S. Highway 31E from Barren County Court House, in village of Haywood, 117 ft SE. of SE. corner of Haywood School building, 109 ft N. of center of U. S. Highway 31E, 23 ft S. of 20-in. birch tree, 17 ft SE. of 16-in. hickory tree, in concrete post set flush; NGS standard triangulation disk stamped "HAYWOOD 1950" 764.794

Reference mark 1, 90 ft SW. of station, 112 ft S. of SE. corner of school, 51 ft N. of center of hwy., in concrete post set flush; NGS standard reference disk stamped "HAYWOOD NO 1 1950" 764.014

Reference mark 2, 90.5 ft NW. of station, 84 ft E. of SE. corner of school, 81 ft SE. of NE. corner of school, 25 ft S. of 24-in. oak tree, in concrete post; set flush; NGS standard reference disk stamped "HAYWOOD NO 2 1950" (Reported destroyed, 1965) 766.093

U.E., Haywood, 0.6 mi N. of, 85 ft W. of and 1 ft higher than intersection of U. S. Highway 31E and private rd. NW., on NE. end of NW. concrete headwall of culvert; chiseled square 772.27

Glasgow, 2.2 mi SW. of courthouse, along U. S. Highway 31E, thence 3.2 mi W.; 0.9 mi W. of South Fork Baptist Church; 2.0 mi NW. of Haywood; 0.3 mi W. of junction of T-rd. fork at fence corner; 22 ft SSE. of about level with centerline of rd.; 37 ft SSE. of centerline of rd.; in concrete post; standard tablet stamped "TT 20 JRH 1952 710" (Not found, 1973) 710.009

Reference mark; 45 ft NNW. of tablet; in root on SE. side of 14-in. walnut tree; copper nail and washer 710.48