

Station: LOG (LOG MOUNTAIN <sup>#15</sup> -15' QUAD.) County: BELL COUNTY State: KENTUCKY

Observer: R. L. McNAIR Year: 1916 Datum: 1927 N.A.D.

Description:

Bks. A3349-50  
A3590-1  
1,2,3.  
Recopy 9/8/51 CMR

MAP INFORMATION OFFICE  
Control Unit  
File Copy

Situated 1.5 miles south of Onenca (end of branch of Louisville & Nashville P.R.) and 0.8 mile south of Harrison P. O. at Log Mtn. Coal Co.'s mines, on a spur of Log Mtn. Station is on a flat ridge and lines of sight were cut to other stations. View is good to the N. but station is no good for further development. Sight to White Rock can not be made from the station but can from a point about 185 feet south of station.

Station mark: A drill hole about 3 inches deep in oblong sandstone boulder firmly embedded. It is on north edge of ridge close to trail leading down to gap which is about 500 ft. northeast of station. A telephone line crosses the Mtn. about 1,000 ft. east of station.

Reference marks: Two drill holes about 1 inch deep with chiseled arrows pointing toward station. (No. 1) distant 16.2 feet true azimuth  $171^{\circ}53'$ ; (No. 2) distant 9.25 feet; true azimuth  $214^{\circ}18'$ .

NOTE: Station lost. No marks of any kind recovered. Was searched for by J. J. Constantine in 1938.

[Latitude 36 38 45.29

Longitude 83 50 29.63 ]

| To Station— | Azimuth |    |    | Back Azimuth |    |    | Distance    |        |
|-------------|---------|----|----|--------------|----|----|-------------|--------|
|             | °       | '  | "  | °            | '  | "  | Log. Meters | Miles  |
| McLean      | 22      | 21 | 11 | 202          | 18 | 01 | 4.319840    | 12.977 |
| King        | 135     | 14 | 23 | 315          | 05 | 21 | 4.503359    | 19.802 |
| Hooker      | 178     | 00 | 29 | 358          | 00 | 13 | 4.282063    | 11.896 |
| Tejay       | 248     | 28 | 37 | 68           | 39 | 53 | 4.479892    | 18.760 |
| White Rock  | 266     | 24 | 28 | 86           | 38 | 27 | 4.543301    | 21.709 |

HORIZONTAL CONTROL  
NORTH AMERICAN DATUM OF 1927

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

36-083-43  
FONDE QUADRANGLE  
5 KY.-199 TENN.  
N3630-W8345/15  
DIAGRAM NJ 17-10  
JOHNSON CITY

Bell, Knox, and Whitley Counties, Ky.;  
Campbell and Claiborne Counties, Tenn.

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

Edition of 6/21/76

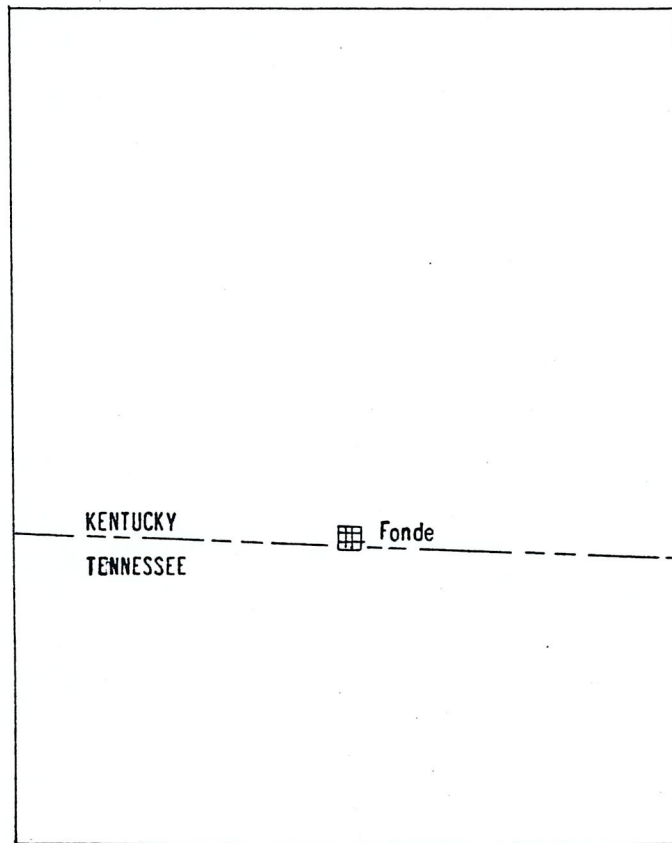
PR: CRV/rmm

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

JELICO  
(6 KY.-200 TENN.)

BARBOURVILLE  
(33)

MIDDLESBORO  
(4 KY.-198 TENN.-32 VA.)



McLEAN ROCK  
(166)

36°30'

83°45'

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 OBSOLETE and is included in this list for the purpose of identification only.

5 KY.-199 TENN.  
FONDE QUADRANGLE

36-083-43  
N3630-W8345/15

INDEX OF PERMANENT MARKS

| <u>MARK (USGS)</u> | <u>PAGE NO.</u> |
|--------------------|-----------------|
| TT 17 BT 1951      | 4               |
| TT 18 BT 1951      | 4               |
| <u>NGS</u>         |                 |
| J 206 1950 965.543 | 3               |
| K 206 1950 983.974 | 3               |
| L 206 1950 978.669 | 3               |
| M 206 1950 984.158 | 3               |
| X 207 1950 961.317 | 3               |
| Y 207 1950 952.980 | 3               |
| Z 207 1950 965.359 | 3               |



| STATION | DESCRIPTION             | LATITUDE | LONGITUDE |
|---------|-------------------------|----------|-----------|
|         | PLANE COORDINATES, FEET | " ' "    | " ' "     |

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By M. L. Bennett (TVA), 1951; Books MS 8353, 30341

Carpenter, 1.5 mi NW. of Baptist Church and Cemetery, along State Highway 92, thence 0.9 mi N. along State Highway 11; 1.2 mi S. of post office at Gausdale; 0.4 mi S. of cemetery; 405 ft S. of powerline crossing; 40 ft S. and 25 ft E. of, and in N. end of E. concrete headwall of culvert; NGS standard disk stamped "Z 207 1950 965.359"

|         |               |             |             |             |
|---------|---------------|-------------|-------------|-------------|
| Ky. S.) | X = 2,519,674 | Y = 153,979 | 36 44 34.32 | 83 58 34.97 |
|---------|---------------|-------------|-------------|-------------|

Carpenter, 1.5 mi NW. of Baptist Church and Cemetery, along State Highway 92; 0.7 mi NW. of Carpenter School; 168 ft SE. of junction of State Highway 11; 28 ft NE. of, and 8 ft lower than centerline of Highway 92; in NW. end of NE. concrete headwall of culvert with partition; NGS standard disk stamped "Y 207 1950 952.980"

|  |               |             |             |             |
|--|---------------|-------------|-------------|-------------|
|  | X = 2,517,688 | Y = 149,798 | 36 43 53.35 | 83 59 00.34 |
|--|---------------|-------------|-------------|-------------|

Carpenter, 0.5 mi NW. of Baptist Church and Cemetery, along State Highway 92; 0.3 mi S. of Carpenter School; 19 ft E. of, and 2 ft lower than centerline of hwy.; in S. end of E. concrete headwall of culvert; NGS standard disk stamped "X 207 1950 961.317"

|  |               |             |             |             |
|--|---------------|-------------|-------------|-------------|
|  | X = 2,520,181 | Y = 145,911 | 36 43 14.45 | 83 58 30.61 |
|--|---------------|-------------|-------------|-------------|

Carpenter, 0.5 mi SE. of Baptist Church and Cemetery, along State Highway 92; 0.1 mi NW. of junction of graveled rd. NE.; 14 ft NE. of centerline of hwy.; 2 ft NE. of concrete banister; in NE. end of NW. concrete abutment of bridge over Goldens Creek; NGS standard disk stamped "J 206 1950 965.543"

|  |               |             |             |             |
|--|---------------|-------------|-------------|-------------|
|  | X = 2,523,365 | Y = 142,042 | 36 42 35.60 | 83 57 52.41 |
|--|---------------|-------------|-------------|-------------|

Carpenter, 1.1 mi SE. of Baptist Church and Cemetery, along State Highway 92; 0.7 mi NW. of post office at Siler; 0.6 mi SE. of hwy. bridge over Goldens Creek; 19 ft W. of, and 3 ft lower than centerline of hwy.; in S. end of W. concrete headwall of box culvert; NGS standard disk stamped "K 206 1950 983.974"

|  |               |             |             |             |
|--|---------------|-------------|-------------|-------------|
|  | X = 2,523,246 | Y = 138,892 | 36 42 04.49 | 83 57 54.61 |
|--|---------------|-------------|-------------|-------------|

Siler, 0.2 mi NW. of post office, along State Highway 92; 0.1 mi NW. of junction of graveled rd. W.; 15 ft SW. of centerline of hwy.; 1 ft SW. of concrete banister; in SW. end of NW. concrete abutment of bridge over Harpes Creek; NGS standard disk stamped "L 206 1950 978.669"

|  |               |             |             |             |
|--|---------------|-------------|-------------|-------------|
|  | X = 2,524,704 | Y = 136,489 | 36 41 40.45 | 83 57 37.25 |
|--|---------------|-------------|-------------|-------------|

Siler, 1.0 mi SE. of post office, along State Highway 92; 450 ft SW. of small hillside cemetery; at bottom of grades; 16 ft NE. of centerline of hwy.; in W. end of N. concrete headwall of culvert; NGS standard disk stamped "M 206 1950 984.158"

|  |               |             |             |             |
|--|---------------|-------------|-------------|-------------|
|  | X = 2,527,282 | Y = 131,807 | 36 40 53.68 | 83 57 06.70 |
|--|---------------|-------------|-------------|-------------|

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

OBSOLETE MARKS (Cont'd.)

Siler, 0.6 mi S. of post office, along State Highway 92, thence 1.6 mi S.; 54 ft NW. of 48-in. white oak tree; 15 ft WNW. of centerline of Mud Creek Road; opposite fence corner; 25 ft SSE. of 20-in. sycamore tree; 4 ft NW. of corner fence post; in concrete post; standard tablet stamped "TT 17 BT 1951"

|         |               |             |             |             |
|---------|---------------|-------------|-------------|-------------|
| Ky. S.) | X = 2,524,272 | Y = 125,578 | 36 39 52.68 | 83 57 45.11 |
|---------|---------------|-------------|-------------|-------------|

Siler, 0.6 mi S. of post office, along State Highway 92, thence 3.8 mi S.; on property of Charley Rose; 20 ft NW. of centerline of Mud Creek Road; 101 ft NE. of 12-in. sweet gum tree; 6 ft SE. of 10-in. sweet gum tree; 3 ft SSW. of round boulder; in concrete post; standard tablet stamped "TT 18 BT 1951"

|  |               |             |             |             |
|--|---------------|-------------|-------------|-------------|
|  | X = 2,520,672 | Y = 117,845 | 36 38 36.89 | 83 58 31.05 |
|--|---------------|-------------|-------------|-------------|

THIRD-ORDER LEVELING  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

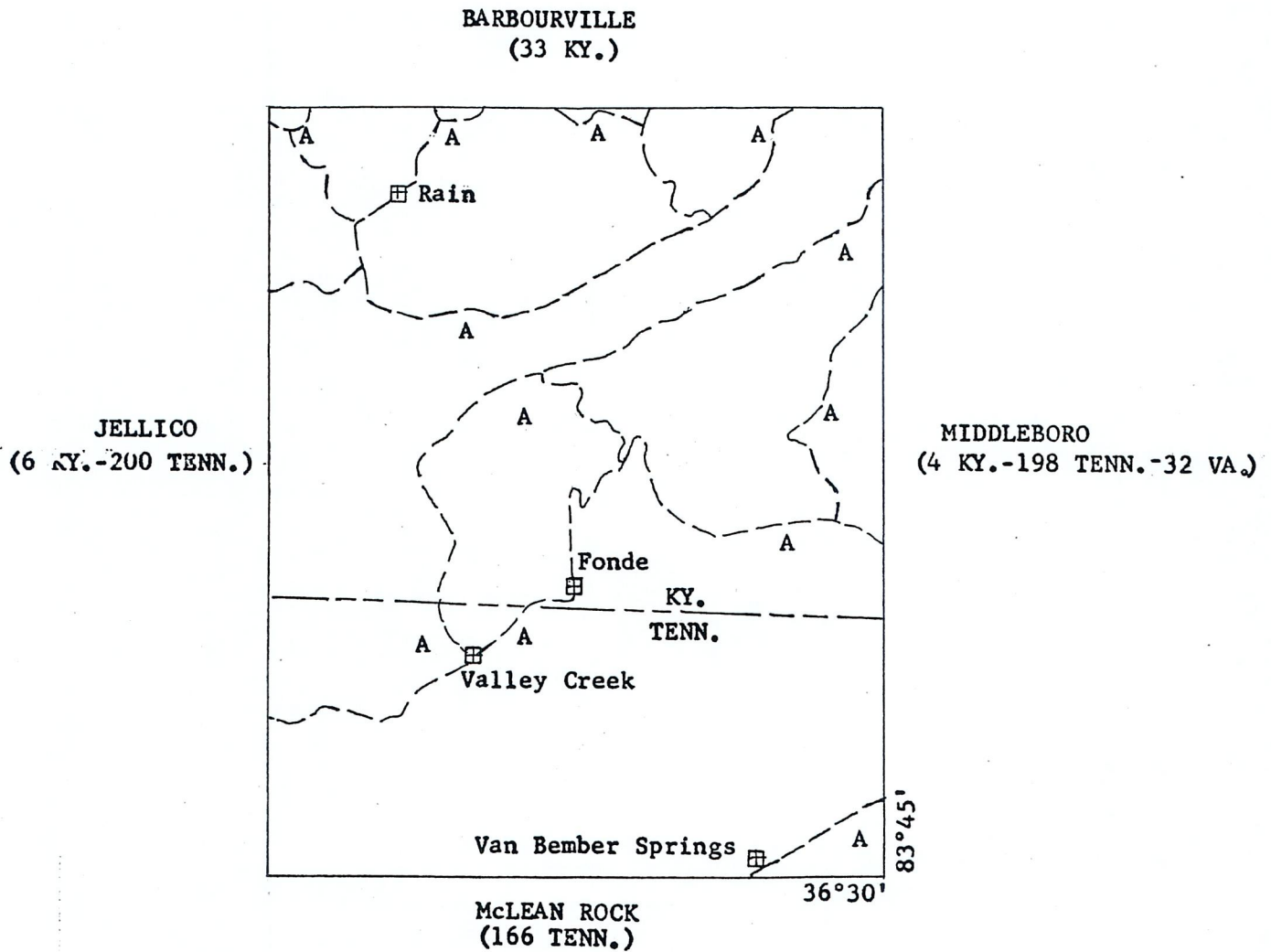
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Final adjustment of 1976

Edition of 9/10/76

PR: FJK/kp



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 360834

5 KY.-199 TENN.  
FONDE QUADRANGLE

36-083-43  
N3630-W8345/15

INDEX OF PERMANENT MARKS

MARK (USGS)

PAGE NO.

M 15 1923 TENN 1227  
R 15 1926

3

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FONDE QUADRANGLE

5 KY.-199 TENN.

36-083-43

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ISOLATED BENCH MARKS (By C. E. Reick, 1926; Book B2522)

Feet

Carlsbad, 3.5 mi SE. of; 950 ft W. of rd. crossing; 30 ft NW. of  
culvert under RR.; N. side of track; in rock outcrop;  
standard tablet stamped "R 15 1926"

1212.969

By A. P. Meade, 1923; Book B1626

Old Town School, 300 ft E. of; 100 ft N. of house; 15 ft S.  
of rd.; in big rock; standard tablet stamped  
"M 15 1923 TENN 1227"

1225.863