

THIRD ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

37-083-13
LEE CITY QUADRANGLE
116 KENTUCKY
N3730-W8315/15
DIAGRAM NJ 17-7
JENKINS

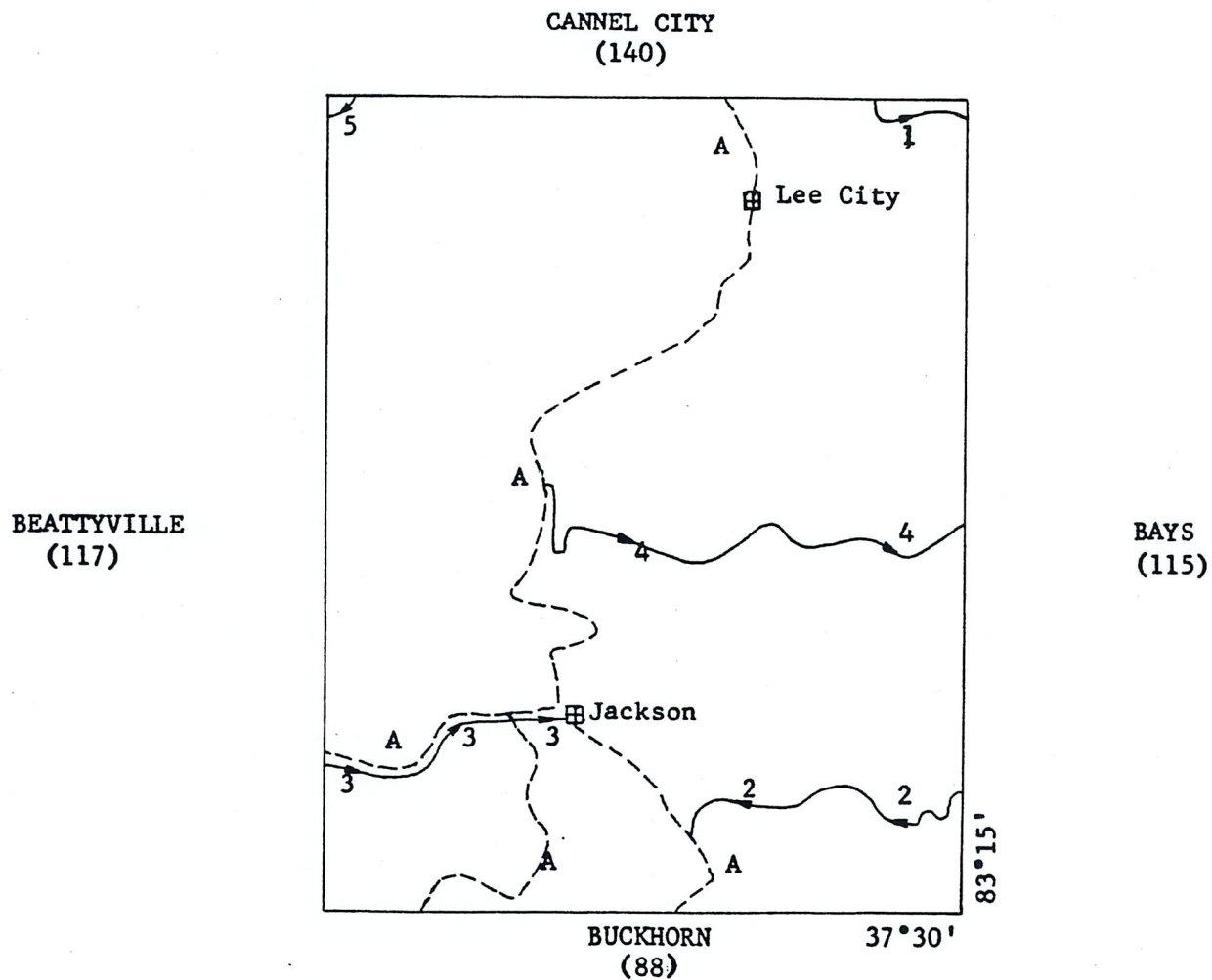
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Breathitt, Magoffin, Morgan,
and Wolfe Counties

Final adjustment of 1974

Edition of 5/28/74

PR: WSM/mid



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370831

116 KENTUCKY
LEE CITY QUADRANGLE

37-083-13
N3730-W8315/15

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ISOLATED BENCH MARKS (By S. R. Archer, 1911; Book A 8755)

Feet

Oakdale, 4.1 mi SW. of; on Puncheon Camp Creek; 0.7 mi E. of Middle Fork Kentucky River; at SE. corner of Highland College dormitory; in stone foundation; standard tablet stamped "711" (Not found, 1949)	710.570
Jackson, at Breathitt County Courthouse; in top of W. end of stone wall at S. side of yard; standard tablet stamped "791" (Reported disturbed, 1961)	790.973
Quicksand, on E. side of hwy.; at E. end of steel RR. bridge over North Fork Kentucky River; in W. face of N. end of concrete pier; standard tablet stamped "732"	731.487
Quicksand, 3.5 mi SW. of; 3.6 mi NW. of Lost Creek; on N. side of public hwy.; 0.25 mi E. of bend in rd. SE.; at NW. corner of main part of residence of Sylvester Tharp; in W. face of stone foundation pillar; standard tablet stamped "747" (Reported destroyed, 1952)	747.279

LINE 1.

By J. D. Nikolaus, 1949; Book AV 106

Adele, 2.2 mi SE. of; 2.3 mi W. of Netty Post Office; 51 ft NW. of N. bank of creek; 28 ft S. of SE. corner of store belonging to Bill Bariley; 17 ft S. of center of rd.; 6 ft SE. of edge of field; in concrete post; standard tablet stamped "14 JDN 1949 991" (Buried under deep approach to new grade, probably destroyed)	990.939
Reference mark; 55 ft NW. of tablet; 8 ft N. of center of rd.; 22 ft W. of SW. corner of store belonging to Bill Bariley; in base on S. side of old apple tree; copper nail and washer	996.36
U.E., Netty, 1.5 mi W. of post office; 7 ft S. of center of rd.; 400 ft E. of junction of creek bed and roadbed; 2 ft higher than rd.; in center on large ledge outcrop; chiseled square	916.36

LINE 2.

By J. D. Nikolaus, 1949; Book AV 106

Wilsteay, 0.1 mi NE. of post office; 1.2 mi S. of Press Howard School; 850 ft SW. of rd. junction; on E. side of rd. at large bend in creek; 3 ft higher than rd.; 3 ft W. of fenceline; in concrete post; standard tablet stamped "22 JDN 1949 779"	779.535
Reference mark; 200 ft NE. of tablet; on NE. bank of stream; 100 ft from Westernmost point of curve in stream; in base on N. side of 10-in. willow tree; copper nail and washer	777.09

<u>LINE 2 (Cont'd.)</u>	<u>Feet</u>
Press, 800 ft NW. of post office; 250 ft W. of Y-rd. junction to post office; 25 ft S. of center of rd.; 23 ft W. of 10-in. lone persimmon tree; 2 ft N. of fence; in concrete post standard tablet stamped "23 JDN 1949 793" (Reported not found, 1961)	793.172
Reference mark; 130 ft E. of tablet; 100 ft W. of rd. forks; 18 ft N. of center of rd.; on ledge outcrop; chiseled square	792.89
U.E., Press, 1.6 mi S. of; on NE. side of rd.; directly below crossing of power line and rd.; on SE. end of stone headwall of culvert; chiseled square	745.37
Portsmouth, 1.0 mi E. of post office; 75 ft N. of residence of Kelly Prater; 30 ft SE. of intersection of trail NW.; 18 ft SE. of S. end of culvert; 13 ft S. of center of rd.; 2 ft N. of wooden fence; in concrete post; standard tablet stamped "24 JDN 1949 743" (Not found, 1961)	743.450
Reference mark1; 330 ft. E. of tablet; 15 ft NE. of center of rd.; 25 ft SW. of centerline of creek bed; in 24-in. sycamore tree; rail spike	737.14
Reference mark 2; 47 ft W. of tablet; 30 ft SW. of culvert; opposite trail SW., in rock outcrop; chiseled square	744.23
Quicksand, 1.2 mi E. of, along graveled rd. to Portsmouth Post Office; 225 ft W. of residence of Pola Noble; 29 ft NE. of NE. corner of barn; 22 ft SE. of intersection of private rd. S.; 30 ft SE. of telephone pole 2976; in concrete post; standard tablet stamped "25 JDN 1949 737" (Reported not found, 1961)	737.303
Reference mark 1; 36 ft NW. of tablet; on N. side of rd. opposite private driveway S.; 12 ft N. of center of rd.; in base on SW. side of telephone pole; rail spike	736.78
Reference mark 2; 23 ft S. of intersection of private lane S.; 13 ft NE. of NE. corner of barn; in base on W. side of 6-in. locust tree; rail spike	737.93
U.E., Jackson, 3.2 mi SE. of; at steel bridge over river; 3 ft from E. end of concrete pier; 2 ft E. of E. wheel guard; on N. end of bridge; chiseled square	748.66
"750.589 D 14 1930" (NGS) (Reported destroyed, 1972)	750.586

LINE 3.

Feet

By R. H. Paine, 1949; Book AV 112

Oakdale Vocational School, 0.8 mi E. of along Louisville and Nashville RR.; 4.6 mi W. of Elkatawa; 79 ft SE. of crossing of RR. and dirt rd.; 12 ft. SW. of SW. rail; 17 ft NE. of rd., in concrete post projecting 8 in.; standard tablet stamped "1 RHP 1949 867"	867.062
Reference mark; 114 ft NW. of tablet; 14 ft NE. of NE. rail; 12 ft WSW. of center of rd.; in base on S. side of RR. crossing signpost; rail spike	865.82
Elkatawa, 2.7 mi W. of along L. & N. RR., at bridge 87, 18 ft. SE. of SE. rail and 4.1 ft lower than track; in SE. end of SW. concrete abutment; standard tablet stamped "2 RHP 1949 893 RESET 1952"	895.015
Reference mark; 70 ft NNE. of tablet; 22 ft SE. of SE. rail of main track; in base on NW. side of telephone pole; rail spike	896.40
U.E., Elkatawa, 1.6 mi W. of; at bridge 88; on S. end of W. concrete abutment; chiseled square	835.61
Elkatawa, 0.6 mi W. of, along L. & N. RR, at bridge 90; 5.7 ft S. of S. rail; in S. end of W. concrete abutment; standard tablet stamped "3 RHP 1949 812"	811.944
Reference mark; 20 ft N. of tablet; 9 ft N. of N. rail; at bridge 90; on N. end of W. concrete abutment; chiseled square	811.84
U.E., Elkatawa, 0.5 mi W. of; at bridge 91; 7.5 ft SW. of SW. rail; on SW. end of NW. concrete abutment; chiseled square	778.76
Elkatawa, 260 ft NW. of Elkatawa School; 44 ft W. of RR. siding switch; 6.7 ft SSW. of S. rail; set vertically in N. side of concrete base of electric block signal light; standard tablet stamped "4 RHP 1949 757"	756.431
Reference mark; 61 ft ESE. of tablet; 7 ft SSW. of S. rail; 21.5 ft SE. of RR. siding switch; on NE. corner of concrete base of RR. power-transformer box; chiseled square	757.52
Elkatawa, 1.2 mi E. of, along L. & N. RR.; 800 ft. W. of the O. & K. Junction tunnel; at bridge 92; 4.5 ft N. of N. rail; in N. end of W. concrete abutment; standard tablet stamped "5 RHP 1949 731"	730.577
Reference mark; 18 ft S. of tablet; 8 ft S. of S. rail; on S. end of W. concrete abutment; chiseled square	730.50
U.E., Elkatawa, 2.1 mi E. of; 65 ft NW. of RR. siding switch leading to coal mine; on N. side of track; on SW. corner of concrete platform of transformer box; chiseled square	754.01

LINE 3 (Cont'd.)

Feet

U.E., Elkatawa, 2.7 mi E. of; 0.2 mi W. of Jackson; on S. side of track;
at RR. water tank; on NE. corner of NE. concrete foundation black;
chiseled square 751.63

"Y 11 1928" (NGS) 750.176

LINE 4.

By F. Ludke, 1950; Book AV 190

731.803 U 11 1928" (NGS) 731.803

Jackson Courthouse, 9.5 mi N. of, along State Highway 15; 132 ft. ESE.
from large rock on W. side of hwy.; 10 ft NNE. from centerline of
hwy.; in E. concrete headwall; standard tablet stamped
"76 FL 1950 727" 726.540

Reference mark; 120 ft NW. of tablet; 10 ft NE. of centerline of hwy.;
on rock outcrop; chiseled square 729.52

U.E., Jackson Courthouse, 8.7 mi N. of, along state Highway 15; on SW.
wingwall of iron bridge over Frozen Creek; chiseled square 727.87

Jackson Courthouse, 6.8 mi NNE. of, along State Highway 15; 25 ft.
SE. of T-intersection of graveled rd. and hwy.; 13 ft NE. of centerline
of Highway 15; in NE. wingwall of concrete bridge over Cope Fork;
standard tablet stamped "77 FL 1950 754" 753.816

Reference mark; 40 ft S. of tablet; bridge floor; chiseled square 753.92

Jackson Courthouse, 6.8 mi NNE. of, along Highway 15, thence 2.8 mi
E. along gravel rd.; 149 ft NW. of T-rd. intersection with rd. N.;
67 ft N. of centerline of graveled rd.; in NW. corner of concrete
sidewalk leading to C. Holbrooks residence; standard tablet stamped
"78 FL 1950 811" 810.722

Reference mark; 100 ft SE. of tablet, on NE. culvert 806.79

Jackson Courthouse, 6.8 mi NNE. of, along State Highway 15, thence
3.8 mi E. along graveled rd.; 84 ft N. of centerline of gravel rd.;
76 ft NNE. of T-intersection with rd. N.; 14 ft E. of centerline of
creek; 1 ft lower than centerline of gravel rd.; in large sandstone
boulder on creek bank; standard tablet stamped "79 FL 1950 843" 843.379

Reference mark; 40 ft S. of tablet; on large boulder; chiseled square 842.46

LINE 4 (Cont'd.)

Feet

Jackson Courthouse, 6.8 mi NNE. of, along State Highway 15, thence 5.7 mi E. along graveled and dirt rd., thence 0.2 mi S. along U. S. Mail Mule Trail to Hunting Creek; 35 ft SE. of 24-in. oak tree; 15 ft NE. of 24-in. maple tree; in sandstone outcrop; standard tablet stamped "80 FL 1950 1019"	1018.700
Reference mark; 4 ft N. of tablet; on sandstone outcrop; chiseled square	1018.34
U.E., Jackson Courthouse, 6.8 mi NNE. of, along State Highway 15, thence 5.9 mi along graveled and dirt rd., thence 0.6 mi S. and E. along U. S. Mail Mule Trail to Hunting Creek; on sandstone rock outcrop; chiseled square	1159.04
Jackson Courthouse, 6.8 mi NNE. of, along State Highway 15, thence 5.7 mi E. along graveled and dirt rd., thence 1.2 mi S. and E. along U. S. Mail Mule Trail to Hunting Creek; 1.7 mi S. of Bays School along Hunting Creek, thence 1.5 mi W. along fork of Hunting Creek; 50 ft SW. of stream junction; 40 ft S. of old shed; opposite path S. to field; in sandstone bottom of creekbed; standard tablet stamped "81 FL 1950 905"	904.844
Reference mark; stream bed at creek junction; 50 ft SE. of tablet; chiseled square	901.66

LINE 5.

By R. H. Paine, 1949; Book AV 112

(There are no permanent marks on this line in this quadrangle)

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
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LEE CITY QUADRANGLE
116 KENTUCKY
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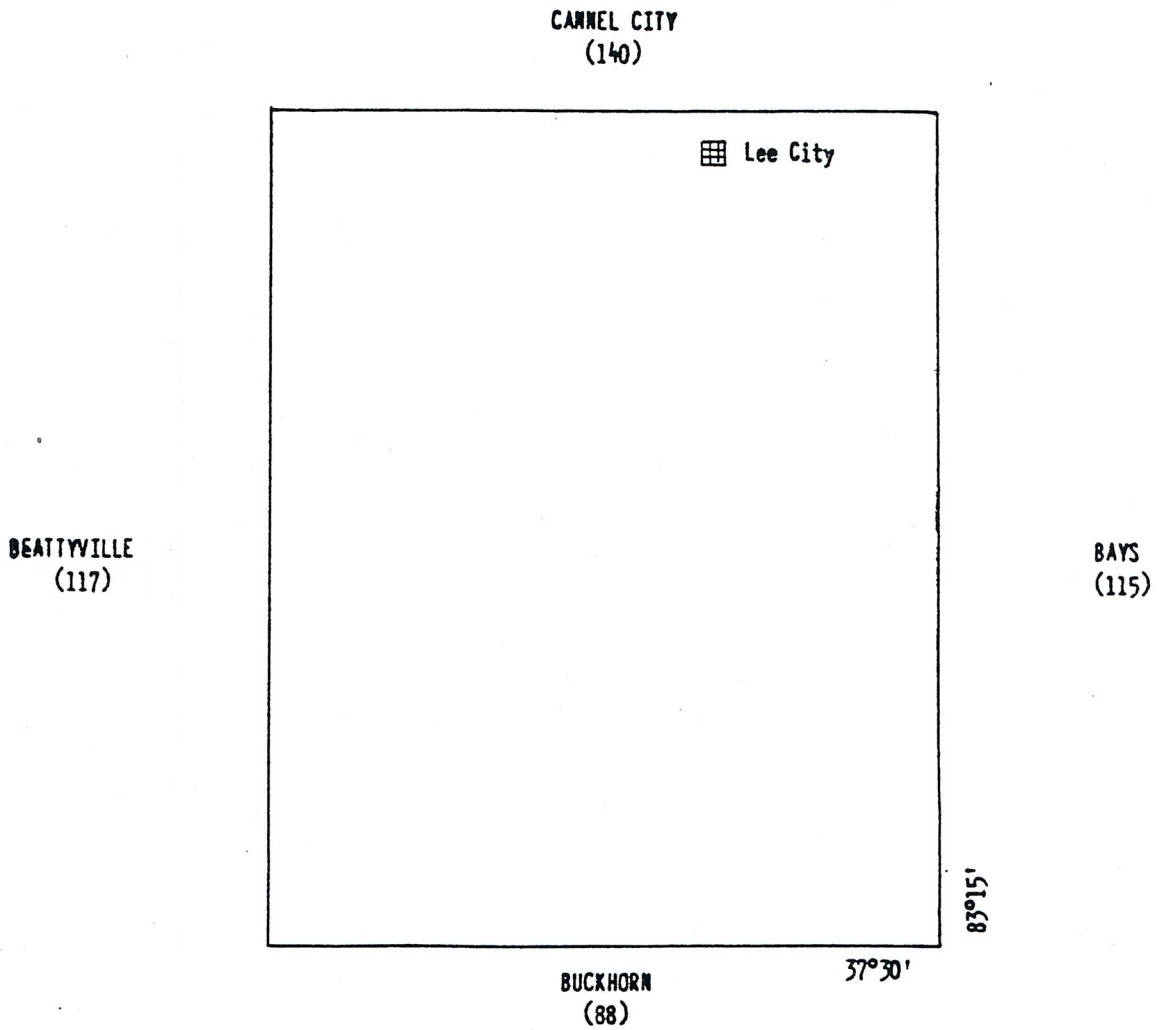
Breathitt, Magoffin, Morgan,
and Wolfe Counties

Edition of 10/26/76

PR: CRV/rmm

Plane coordinates are based on Lambert
projection, Kentucky, North and South Zones

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

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LEE CITY QUADRANGLE

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INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>
14 JDN 1949 991	3
22 JDN 1949 779	3
TT 28 TWC 1949	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 T. W. Cayce, 1949; Book AH 142

Guerrant, 0.5 mi E. of, along Puncheon Camp Creek Road; 0.3 mi E. of Highland Institution; in center of triangle formed by junction of Puncheon Camp Creek Road and Jerry Fork trail; 34 ft N. of centerline of Puncheon Camp Creek Road; 12 ft E. of centerline of Jerry Fork trail; in concrete post; standard tablet stamped "TT 28 IWC 1949"
(Not found, 1961)

Ky. S.) X = 2,656,079 Y = 435,344 37 30 26.97 83 29 16.85

Adele, 2.2 mi SE. of, along State Highway 134; 2.3 mi W. of Netty Post Office; 51 ft NW. of N. bank of creek; 28 ft S. of SE. corner of store of Bill Bailey; 17 ft S. of centerline of rd.; 6 ft SE. of edge of field; in concrete post; standard tablet stamped "14 JDN 1949 991" (Buried under deep approach to new grade, probably destroyed)

By D. W. Pinkston, 1949; Book AH 148

Wilstacy, 0.1 mi NE. of post office; 1.2 mi SW. of Press Howard Fork School; 850 ft SW. of junction of rds.; on E. side of rd.; at large bend in creek; 3 ft higher than rd.; 3 ft W. of fenceline; in concrete post; standard tablet stamped "22 JDN 1949 779"

X = 2,724,020 Y = 447,307 37 32 08.30 83 15 00.01

KY 116 QUADRANGLE

..... FILED 3/89

NOTICE

FOR HORIZONTAL CONTROL
COMPUTER PRINT-OUT

SEE BOOK CS 619

 KY-6 PROJECT HAP

COPY SUITABLE FOR XEROX

IS FILED IN KY 89 QUAD.

NOTE: This is to be stapled to the inside front cover of the horizontal control folder.