

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

37-083-42
BEATTYVILLE QUADRANGLE
117 KENTUCKY
N3730-W8330/15
DIAGRAM NJ 17-7
JENKINS

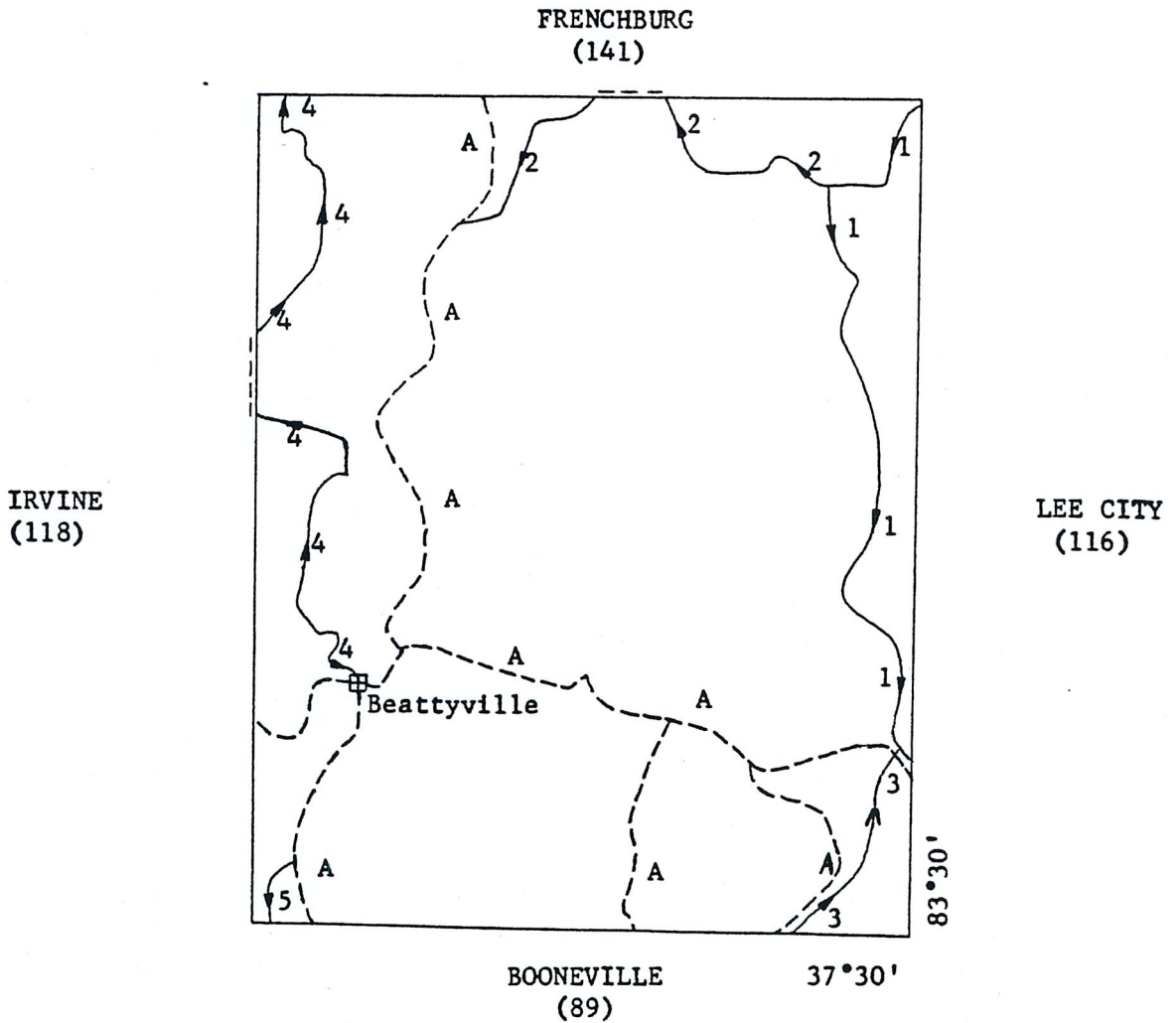
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Breathitt, Estill, Lee, Owsley,
Powells and Wolfe Counties

Final adjustment of 1974

Edition of 5/29/74

PR: WSM/mid



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370834

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	<u>Feet</u>
ISOLATED BENCH MARKS (By W. H. Monahan, 1906; Book 8285)	
Torrent, 60 ft NW. of station; 60 ft N. of track; on iron post; standard cap stamped "938" (Reported destroyed, 1949)	938.198
Torrent, 4.9 mi SE. of; in E. end of S. stone culvert standard tablet stamped "707" (Reported not found, 1951)	706.885
Airedale, 0.1 mi SE. of; at E. end of bridge; in SE. corner of stone abutment; standard tablet stamped "684" (Reported not found, 1951)	684.129
St. Helens, 0.2 mi SE. of; in center of N. side of first stone of foundation of watering tank; standard tablet stamped "674" (Reported not found, 1951)	673.661
Monica, 0.3 mi SE. of; 30 ft S. of track; 100 ft E. of rd. crossing; on iron post; standard cap stamped "675" (Reported not found, 1951)	674.784
Tallega, 2.7 mi SE. of; in SE. corner of stone abutment of bridge; standard tablet stamped "745" (Reported not found, 1951)	744.979
Athol, 2.9 mi E. of; in SW. corner of stone abutment of small bridge; standard tablet stamped "773" (Reported destroyed, 1950)	773.302
<u>LINE 1.</u>	
By R. H. Paine, 1949; Book AV 112	
U.E., Campton, 2.8 mi E. of; along State Highway 15; 12 ft SE. of centerline of hwy.; on center of SE. concrete headwall of culvert; chiseled square	942.14
Campton, 2.6 mi E. of post office, along State Highway 15, thence 0.3 mi S. along Trace Fork rd.; in grassy triangle formed by junction of Y-rd.; 19 ft SE. of 20-in. locust tree; 74 ft W. of residence of C. Hawkman; in concrete post; standard tablet stamped "TT 17 TWC 1949 960" (Reported destroyed, 1952)	960.364
Reference mark; 44 ft ENE. of tablet; 14 ft ESE. of rd.; in root on W. side of 28-in. locust tree; copper nail and washer	963.05
Campton, 1.2 mi SE. of, along graveled rd.; thence 1.3 mi E. along dirt rd., thence 0.1 mi S. along trail to top of ridge; 3 ft S. of centerline of trail; 8 ft S. of 32-in. oak tree; 2 ft NW. of fence corner; in concrete post; standard tablet stamped "TT 18 TWC 1949 1281"	1280.894
Campton, 1.2 mi SE. of, along graveled rd.; 12 ft S. and 42 ft E. of centerline of rd. at junction of dirt rd. E.; 150 ft SE. of powerline junction pole; in concrete post; standard tablet stamped "TT 19 TWC 1949 1003" (Reported destroyed, 1961)	1002.631

<u>LINE 1 (Cont'd.)</u>	<u>Feet</u>
Reference mark; 332 ft ENE. of tablet; 10 ft SSE. of rd.; 3 ft NNW. of fence; on S. end of concrete tile culvert; chiseled square	999.81
U.E., Campton, 1.2 mi SE. of, along graveled rd., thence 1.6 mi S.; 10 ft NE. of centerline of rd.; on NE. stone headwall of culvert; chiseled square	936.50
U.E., Campton, 1.2 mi SE. of, along graveled rd., thence 1.8 mi S.; at foot of hill at curve; 45 ft SSE. of junction of Y-rd.; 10 ft SW. of centerline of rd.; on SE. end of SW. concrete headwall of culvert; chiseled square	881.42
Vortex; 18 ft SW. of SW. corner of post office; 25 ft N. of centerline of rd.; in concrete post; standard tablet stamped "TT 20 TWC 1949 883"	882.869
Reference mark; 46 ft S. of tablet; 63 ft SSW. of SW. corner of post office; 18 ft S. of centerline of rd.; in E. gatepost; rail spike	879.90
U.E., Vortex, 1.9 mi S. of, along Mary Road; 13 ft E. of centerline of rd.; on N. end of E. headwall of culvert; chiseled square	918.51
Vortex, 2.2 mi S. of, along graveled rd.; 25 ft E. of junction of Y-rd.; 11 ft N. of centerline of field rd.; 2 ft W. of wire fence; in concrete post; standard tablet stamped "TT 21 TWC 1949 885"	885.110
Vortex, 2.2 mi S. of, along graveled rd., thence 2.2 mi SE. along dirt rd.; 11 ft E. of centerline of dirt rd.; 300 ft SE. of tan brick-siding house; in flat ledge of sandstone outcrop; standard tablet stamped "TT 22 TWC 1949 847"	846.586
Reference mark; 130 ft S. of tablet; 17 ft E. of, and 9 ft higher than centerline of rd.; in face on SW. side of 10-in. white oak tree; rail spike	847.66
Vortex, 2.2 mi S. of, along graveled rd., thence 3.0 mi SE. along dirt rd., thence 1.0 mi S. along dirt rd.; 100 ft SW. of highest point of ridge; in concrete post; standard tablet stamped "TT 23 TWC 1949 1086" (Reported destroyed, 1952)	1085.417
Reference mark; 38 ft SW. of tablet; 12 ft WNW. of centerline of rd.; in fenceline; in face on E. side of 12-in. oak tree; rail spike	1082.54
U.E., Vortex, 8.7 mi S. of, along rds. and trails; 0.3 mi N. of Rock Lick School; 20 ft W. of centerline of trail; 146 ft NW. of house; 1 ft E. of W. edge of 18-by 45-ft rock ledge; chiseled square	770.67

LINE 1 (Cont'd.)

Feet

Fillmore, 1.3 mi SE. of, along dirt rd., thence 0.4 mi NE.; at Rock Lick School; 6 ft E. of entrance to school; 2 ft E. of SE. corner of school; in concrete post; standard tablet stamped "TT 24 TWC 1949 775" (Reported destroyed, 1951)	774.932
Reference mark; 100 ft E. of tablet; 92 ft SE. of NE. corner of Rock Lick School; in line with trail N.; 50 ft NW. of ford; in root on SW. side of 40-in. black oak tree; copper nail and washer	768.63
Rock Lick School, 1.7 mi SE. of, along Rock Lick Gap Road; 2.5 mi N. of Oakdale; 205 ft NE. of junction of Y-rd.; 25 ft SW. of drain fork; 25 ft W. of fence; 15 ft W. of drain; in concrete post; standard tablet stamped "TT 25 TWC 1949 872" (Reported not found, 1961)	872.170
Oakdale, 0.6 mi NE. of; 700 ft NE. of school; 7 ft NW. of centerline of rd.; 150 ft S. of residence of Keen Barker; 6 ft W. of twin buckeye tree; in concrete post; standard tablet stamped "TT 26 TWC 1949 794"	793.841
Reference mark; 54 ft NE. of tablet; 6 ft NW. of centerline of rd.; in base on NE. side of forked 22-in. walnut tree; rail spike	793.92
U.E., Oakdale, 0.2 mi E. of; 295 ft NW. of crossing of Louisville and Nashville Railroad; 18 ft NE. of centerline of rd.; on NE. end of SE. abutment of concrete bridge; chiseled cross	772.82

LINE 2.

By J. W. McLaughlin, 1950; Book AV 166

"TT 19 TWC 1949 1003" (Described in line 1)	1002.631
Campton, 0.9 mi SE. of courthouse; 150 ft E. of drain crossing; 16 ft SW. of centerline of rd.; 1.5 ft S. of wire fence; in concrete post; NGS standard azimuth mark disk stamped "CAMPTON 1949"	981.620
Campton, 1.0 mi W. of, along State Highway 15; 160 ft W. of junction of Y-rd.; 1 ft N. of telephone pole; 2 ft lower than hwy.; in concrete post; standard tablet stamped "1 JWM 1950 1003"	1002.655
U.E., Campton, 2.4 mi W. of, along State Highway 15; 17 ft SW. of centerline of hwy.; on SE. end of stone masonry culvert; chiseled square	1004.93
Campton, 2.9 mi W. of, along State Highway 15; 0.7 mi S. of Mountain Parkway; 25 ft E. of centerline of hwy.; 20 ft NE. of NE. end of concrete culvert under hwy.; 11 ft NE. of telephone pole; 5.5 ft E. of 4-in. maple tree; in concrete post; standard tablet stamped "2 JWM 1950 1058"	1057.700

LINE 2 (Cont'd.)

Feet

/Jogs into Frenchburg quadrangle/

Pine Ridge, 1.4 mi SW. of; 0.3 mi E. of Rogers; 40 ft S. of junction of Y-rd. SE.; on bank 4 ft higher than rd.; in concrete post; standard tablet stamped "4 JWM 1950 1238" 1237.654

Rogers, 1.3 mi WSW of; 70 ft SW. of junction of Y-rd. S.; 3 ft E. of fenceline; in concrete post; standard tablet stamped "5 JWM 1950 1259" 1259.638

"D 65 1935" (NGS) 945.083

LINE 3.

By J. W. McLaughlin; 1950; Book AV 166

Jetts Creek, 0.2 mi NE. of post office; 40 ft SW. of junction of private drive W.; 2 ft N. of fenceline; in concrete post; standard tablet stamped "30 JWM 1950 715" 715.428

Jetts Creek, 1.5 mi NE. of post office; 42 ft W. of junction of drive to Cope Branch Post Office; 4 ft E. of SE. corner of post office; in concrete post; standard tablet stamped "31 JWM 1950 690" (Tied by NGS, 1950) 690.090

Reference mark; 25 ft SE. of tablet; on S. end of concrete pipe culvert; chiseled square 689.88

U.E., Oakdale, 0.2 mi E. of; chiseled cross (Described in line 1) 772.82

LINE 4.

By J. W. McLaughlin, 1950; Book AV 166

"E 45 X 1935" (NGS) 666.154

Beattyville, 1.8 mi NW. of courthouse, along State Highway 52; 40 ft N. of centerline of hwy.; 175 ft W. of residence of M. Johnson; 11 ft W. of forest fire sign; in concrete post; standard tablet stamped "34 JWM 1950 1029" 1028.705

Beattyville, 3.8 mi SW. of courthouse, along State Highway 52; 1.1 mi S. of Mt. Olive Church; 33 ft W. of centerline of hwy. at junction of T-rd. E.; 14 ft SE. of 8-in. pine tree; on bank 3 ft higher than roadbed; in concrete post; standard tablet stamped "35 JWM 1950 1113" (Reported disturbed, 1951) 1112.771

LINE 4 (Cont'd.)

Feet

Mt. Olive Church, 0.9 mi N. of, along graveled rd.; 40 ft NE. of junction of Y-rd. E.; 1.5 ft W. of fence corner; in concrete post; standard tablet stamped "36 JWM 1950 1201"	1201.168
Reference mark; 35 ft S. of tablet; in root on NW. side of 10-in oak tree; copper nail and washer	1198.58
Mt. Olive Church, 1.5 mi NE. of, along State Highways 52 and 498, thence 1.1 mi N.; 0.8 mi N. of crossing of power transmission line; 35 ft NW. of junction of T-rd. N.; 15 ft S. of 6-in. sycamore tree; in concrete post; standard tablet stamped "37 JWM 1950 869"	868.153

Jogs into Irvine quadrangle

Greeley, 2.2 mi NE. of post office, along graveled rd.; 40 ft E. of centerline of rd.; 50 ft N. of NW. corner of oil powerhouse; in concrete post; standard tablet stamped "40 JWM 1950 1286"	1285.828
Reference mark; 35 ft NE. of tablet; in root on W. side of 24-in. oak tree; copper nail and washer	1286.90
Greeley, 3.6 mi NE. of post office, along graveled rd.; 35 ft NE. of centerline of rd. at junction of T-rd. N.; 10 ft N. of 16-in. oak tree; in concrete post; standard tablet stamped "41 JWM 1950 1272"	1271.763
Greeley, 3.6 mi NE. of post office, along graveled rd., thence 3.5 mi NW. along dirt rd.; 2.7 mi S. of South Fork Church of Christ; 100 ft NW. of cave; 20 ft SW. of centerline of private drive W.; 2 ft SW. of fence corner; in concrete post; standard tablet stamped "42 JWM 1950 900"	900.292

LINE 5.

By Wallace Varley, 1950; Book AV 178	
"V 61 1935" (NGS)	1084.279

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

37-083-42
BEATTYVILLE QUADRANGLE
117 KENTUCKY
N3730-W8330/15
DIAGRAM NJ 17-7
JENKINS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

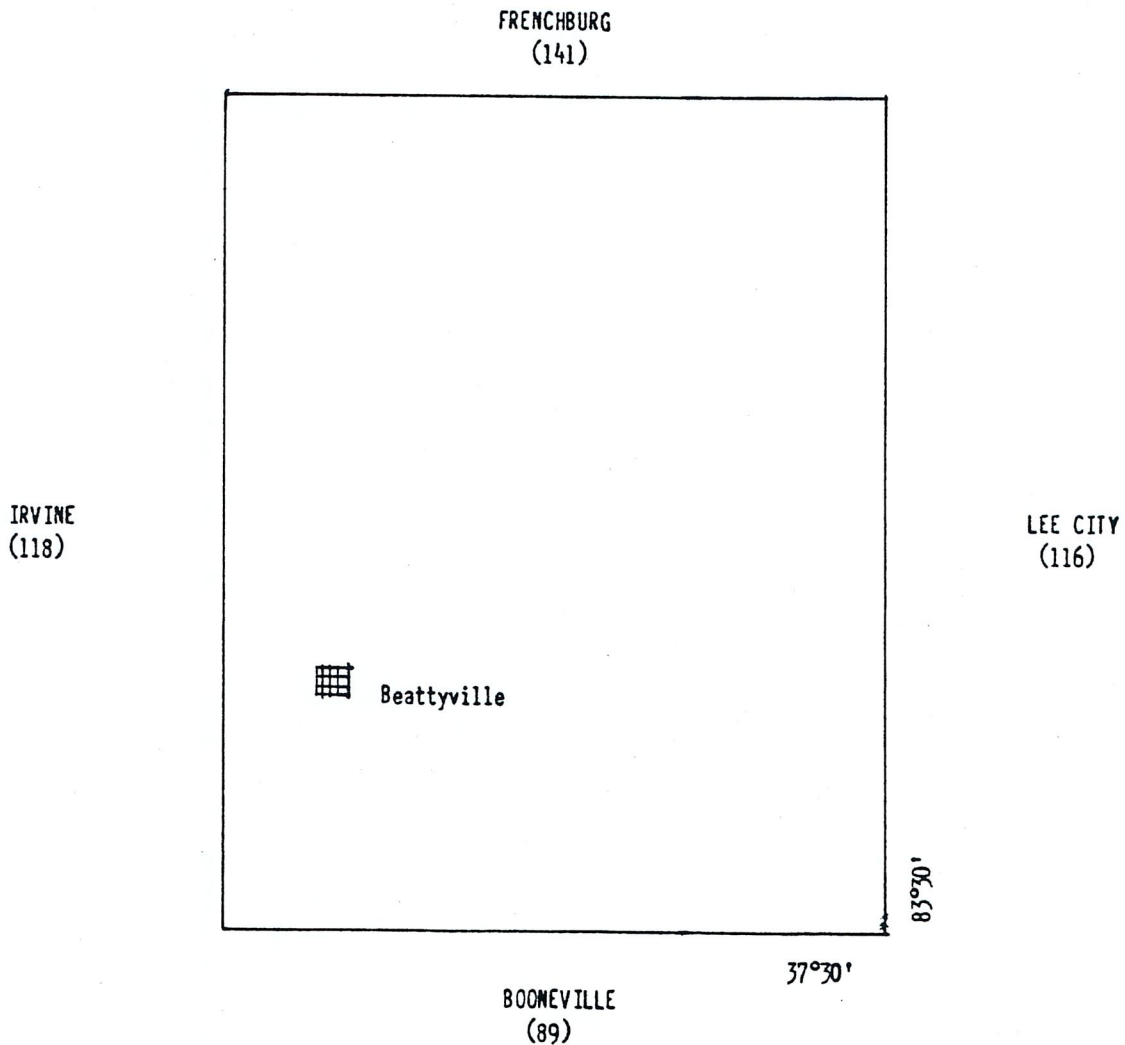
Breathitt, Estill, Lee, Owsley, Powell,
and Wolfe Counties

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

Edition of 10/12/77

PR: CRV/rmm

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



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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TT 24 TWC 1949 775	4
TT 25 TWC 1949 872	4
TT 26 TWC 1949 794	4
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TT 30 TWC 1949 883	3
34 JWM 1950 1029	5
35 JWM 1950 1113	5
40 JWM 1950 1286	5
41 JWM 1950 1272	4
42 JWM 1950 900	4
<u>U.S. FOREST SERVICE</u>	
852 1933	4
<u>USED</u>	
E 45 X 1935 666.154	5
<u>NGS</u>	
V 61 1935 1084.279	5
W 61 RESET 1957 947.798	5
X 61 1935	5

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

Campton, 2.6 mi E. of post office, along State Highway 15, thence 0.3 mi S. along Trace Ford Road; in grassy triangle formed by junction of Y-rd.; 19 ft SE. of 20-in. locust tree; 74 ft W. of residence of C. Hawkman; in concrete post; standard tablet stamped "TI 17 TWC 1949 960" (Reported destroyed, 1952)

X = 2,648,373	Y = 518,668	37 44 12.38	83 30 27.90
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Campton, 1.2 mi SE. of, along graveled rd., thence 1.3 mi E. along dirt rd., thence 0.1 mi S. along trail to top of ridge; 3 ft S. of centerline of trail; 8 ft S. of 32-in. oak tree; 2 ft NW. of fence corner; in concrete post; standard tablet stamped "TI 18 TWC 1949 1281"

X = 2,646,752	Y = 513,288	37 43 19.58	83 30 49.66
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Campton, 1.2 mi SE. of, along graveled rd.; 12 ft S. and 42 ft E. of centerline of rd. at junction of dirt rd. E.; 150 ft SE. of powerline junction pole; in concrete post; standard tablet stamped "TI 19 TWC 1949 1003" (Reported destroyed, 1961)

X = 2,641,021	Y = 514,167	37 43 29.60	83 32 00.71
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Vortex; 18 ft SW. of SW. corner of post office; 25 ft N. of centerline of rd.; in concrete post; standard tablet stamped "TI 20 TWC 1949 883"

X = 2,643,475	Y = 503,922	37 41 47.77	83 31 33.17
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Vortex, 2.2 mi S. of, along graveled rd.; 25 ft E. of junction of Y-rd.; 11 ft N. of centerline of field rd.; 2 ft W. of wire fence; in concrete post; standard tablet stamped "TI 21 TWC 1949 885"

X = 2,643,001	Y = 495,546	37 40 25.09	83 31 41.52
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Vortex, 2.2 mi S. of, along graveled rd., thence 2.2 mi SE. along dirt rd.; 11 ft E. of centerline of dirt rd.; 300 ft SE. of tan brick-siding house; in flat ledge of sandstone outcrop; standard tablet stamped "TI 22 TWC 1949 847"

X = 2,647,950	Y = 486,894	37 38 58.42	83 30 42.54
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Vortex, 2.2 mi S. of, along graveled rd., thence 3.0 mi SE. along dirt rd., thence 1.0 mi S. along dirt rd.; 100 ft SW. of highest point of ridge; in concrete post; standard tablet stamped "TI 23 TWC 1949 1086" (Reported destroyed, 1952)

X = 2,647,912	Y = 479,252	37 37 42.90	83 30 45.27
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STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE ° ' "	LONGITUDE ° ' "
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OBSOLETE MARKS (Cont'd.)

Fillmore, 1.3 mi SE. of, along dirt rd., thence 0.4 mi NE.; at Rock Lick School; 6 ft E. of entrance to school; 2 ft E. of SE. corner of school; in concrete post; standard tablet stamped "TT 24 TWC 1949 775"
(Reported destroyed, 1951)

X = 2,643,883	Y = 468,152	37 35 54.12	83 31 38.58
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Rock Lick School, 1.7 mi SE. of, along Rock Lick Gap Road; 2.5 mi N. of Oakdale; 205 ft NE. of junction of Y-rd.; 25 ft SW. of drain fork; 25 ft W. of fence; 15 ft W. of drain; in concrete post; standard tablet stamped "TT 25 TWC 1949 872" (Not found, 1961)

X = 2,650,596	Y = 463,905	37 35 10.57	83 30 16.44
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Oakdale, 0.6 mi NE. of; 700 ft NE. of school; 7 ft NW. of centerline of rd.; 150 ft S. of residence of Keen Barker; 6 ft W. of twin buckeye tree; in concrete post; standard tablet stamped "TT 26 TWC 1949 794"

X = 2,650,406	Y = 453,608	37 33 28.84	83 30 21.84
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Oakdale, 0.9 mi SE. of, along State Highway 52, thence 0.3 mi S. along Brewer Fork Road; 21 ft W. of centerline of rd.; 18 ft S. of centerline of farm rd.; 75 ft SE. of residence of Mat Brewer; in concrete post; standard tablet stamped "TT 27 TWC 1949"

X = 2,651,534	Y = 448,253	37 32 35.64	83 30 09.42
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By R. C. Darnell, 1950; Book AH 190

Greeley, 3.6 mi NE. of post office, along graveled rd., thence 3.5 mi NW. along dirt rd.; 2.7 mi S. of South Fork Church of Christ; 100 ft NW. of cave; 20 ft SW. of centerline of private drive W.; 2 ft SW. of fence corner; in concrete post; standard tablet stamped "42 JWM 1950 900"

X = 2,581,381	Y = 520,328	37 44 43.69	83 44 21.23
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Greeley, 3.6 mi NE. of post office, along graveled rd., thence 1.5 mi NW. along dirt rd.; at top of ridge near Lee-Powell County Line; 50 ft NE. of centerline of rd. to Billey Fork; 24 ft SE. of centerline of Stump Cave Branch Road; in concrete post; U.S. Forest Service standard disk stamped "852 1933"

X = 2,583,242	Y = 515,619	37 43 56.75	83 43 59.32
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Greeley, 3.6 mi NE. of post office, along graveled rd.; 35 ft NE. of centerline of rd. at junction of I-rd. N.; 10 ft N. of 16-in. oak tree; in concrete post; standard tablet stamped "41 JWM 1950 1272"

X = 2,586,706	Y = 509,768	37 42 58.19	83 43 17.77
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STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE			LONGITUDE		
		°	'	"	°	'	"

OBsolete MARKS (Cont'd.)

Greeley, 2.2 mi NE. of post office, along graveled rd.; 40 ft E. of centerline of rd.; 50 ft N. of NW corner of oil powerhouse; in concrete post; standard tablet stamped "40 JWM 1950 1286"

X = 2,585,295 Y = 503,211 37 41 53.67 83 43 37.06

Beattyville, 3.8 mi NW. of courthouse, along State Highway 52; 1.1 mi S. of Mt. Olive Church; 33 ft W. of centerline of hwy. at junction of T-rd. E.; 14 ft SE. of 8-in. pine tree; on bank 3 ft higher than rd. bed; in concrete post; standard tablet stamped "35 JWM 1950 1113" (Reported disturbed, 1951)

X = 2,584,631 Y = 470,794 37 36 33.38 83 43 53.94

Beattyville, 1.8 mi NW. of courthouse, along State Highway 52; 40 ft N. of centerline of hwy.; 175 ft W. of residence of M. Johnson; 11 ft W. of forest fire sign; in concrete post; standard tablet stamped "34 JWM 1950 1029"

X = 2,587,934 Y = 463,168 37 35 17.30 83 43 14.94

Beattyville; at Lee County Courthouse; 72 ft N. of N. curb of Main Street; 18 ft SE. of SW. corner of courthouse; in SW. corner of concrete platform at main entrance; USED standard disk stamped "E 45 X 1935 666.154"

X = 2,591,144 Y = 457,888 37 34 24.43 83 42 36.48

Beattyville, 0.5 mi S. of post office, along State Highway 11; 0.1 mi S. of bridge over South Fork Kentucky River; 22 ft E. of, and 1 ft higher than centerline of hwy.; in concrete post; NGS standard disk stamped "X 61 1935" (Reported destroyed, 1952)

X = 2,590,854 Y = 456,008 37 34 05.90 83 42 40.59

Beattyville, 2.4 mi S. of post office, along State Highway 11; at Isaac Wrecking Yard; 23 ft E. of, and 7 ft lower than centerline of hwy.; 252 ft S. of mailbox of Luther Isaac; 141 ft SE. of wrecking yard office; 129 ft S. of power pole with transformer; in stone headwall of culvert; NGS standard disk stamped "W 61 RESET 1957 947.798"

HORIZONTAL POSITION LOST

Beattyville, 4.5 mi S. of post office, along State Highway 11; at Lee-Owsley County line; 40 ft E. of, and 2 ft lower than centerline of hwy.; 75 ft S. of residence of J. C. Smallwood; 2 ft W. of fence; in concrete post; NGS standard disk stamped "V 61 1935 1084.279"

X = 2,585,274 Y = 438,660 37 31 15.60 83 43 54.49