

THIRD-ORDER LEVELING
SEA LEVEL DATUM OF 1929

37-086-34
HARTFORD QUADRANGLE
102 KENTUCKY
N3715-W8645/15
DIAGRAM NJ 16-8
EVANSVILLE

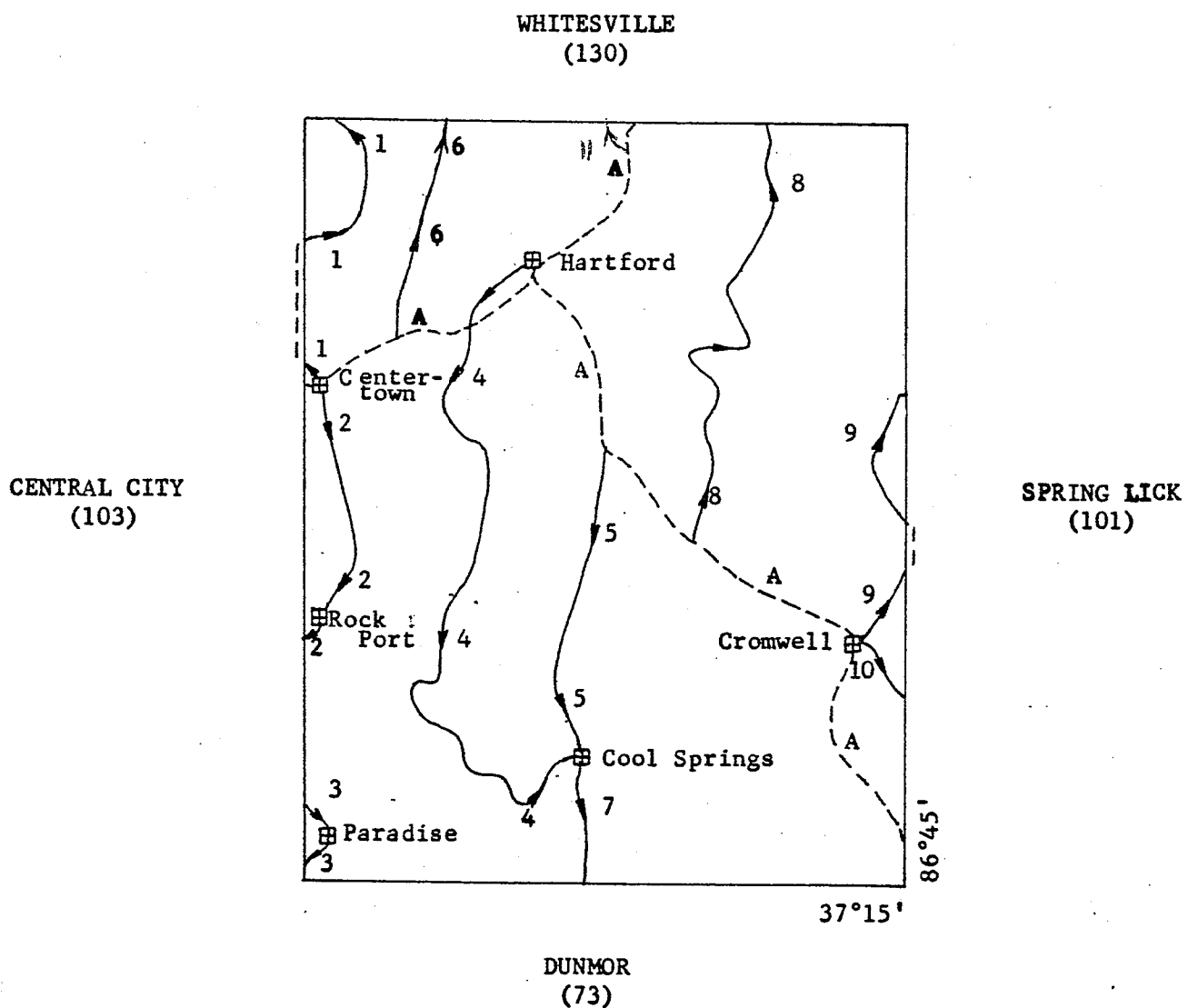
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Butler, Muhlenberg and Ohio
Counties, Kentucky

Final adjustment of 1972

Edition of 5/14/74

PR: CRV/sws



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370863

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>	<u>MARK (USGS)</u>	<u>PAGE NO.</u>
402 1907	3	165 JDN 1950 558	6, 6
405 1907	3	166 JDN 1950 457	6
410 1907	3	167 JDN 1950 452	6
414 1907	3	168 JDN 1950 581	6
428 1907 (425.897)	3	169 JDN 1950 505	7
428 1907 (425.757)	5	1 JDN 1951 420	7
437 1907	3	2 JDN 1951 406	7
447 1907	3	3 JDN 1951 446	7
461 1907	3	4 JDN 1951 525	8
485 1907	3	5 JDN 1951 622	8
557 1907	3	6 JDN 1951 536	8
PTS NO 11 409 1907	4	7 JDN 1951 541	8
PTS NO 12 477 1907	4	29 JDN 1951 389	7
PTS NO 13 1907 KY	3	30 JDN 1951 443	7
PTS NO 15 550 1907	3		
TT 104 HF 1950 394	4	<u>NGS</u>	
109 JJS 1950 402	4	U 72 1935	5
117 JJS 1950 410	4	A 73 1935	7
157 JDN 1950 397	5	D 73 1935	8
158 JDN 1950 400	5	M 79 1935	3, 4
159 JDN 1950 421 <i>NOT FOUND '80</i>	5	N 79 1935	6
160 JDN 1950 398	5	W 120 1940	6
161 JDN 1950 470	5	SMITH 1950	8
162 JDN 1950 511	5	SMITH NO 1 1950	8
163 JDN 1950 396	6	SMITH NO 2 1950	8
164 JDN 1950 402	6	R 79 1935	9

ISOLATED BENCH MARKS (BY P. W. Peabody, 1907; Book A7217)	<u>Feet</u>
Centertown; standard tablet stamped "447 1907" (Reported destroyed May 1943)	445.899
Rockport, in W. face of NW. corner of Rockport Deposit Bank; standard tablet stamped "437 1907" (Destroyed, 1954)	435.463
Simmons, 1.0 mi SW. of, at SW. corner of bridge over Lewis Creek; in top of parapet wall; standard tablet stamped "405 1907" (Not found, 1954)	403.318
McHenry, in W. face of SW. corner of Odd Fellows and Red Men Hall; standard tablet stamped "428 1907" (Destroyed)	425.897
Beaver Dam, in W. face of SW. corner of Peoples Bank; standard tablet stamped "414 1907" (Tied to NGS by USGS, 1936) (Destroyed, 1954)	412.202
Beaver Dam, 3.0 mi NE. of; 0.25 mi E. of road crossing; at SW. corner of bridge over Slough Creek; in bridge seat; standard tablet stamped "410 1907" (Destroyed, 1954)	407.948
New Point Pleasant Church, in N. face of NW. corner of foundation pier of church; standard tablet stamped "461 1907"	459.068
Cool Springs Church; standard tablet stamped "557 1907" (Reported destroyed July 1951) (Not found, 1954)	575.361
Wysox, at NE. corner of crossroads, in W. face of SW. corner of foundation pier of Pleasant Valley Church; standard tablet stamped "402 1907" (Not found, 1954)	399.986
Cromwell, 75 ft W. of school building; in stone block in front of T. C. Pirtles store; standard tablet stamped "485 1907" (Tied to NGS by USGS, 1936) (Destroyed, 1954)	481.716
Bald Knob Church, at SE. corner of; on iron post; standard cap stamped "PRIM TRAV STA NO 15 550 1907"	548.526

LINE 1.

By J. J. Spahr, 1950; Book AV 216

"M 79 1935" (NGS) (Jogs into Central City quad)	424.228
Heflin, 2.8 mi SE. of, along State Highway 136; 86 ft SW. of Mrs. L. F. Ward and Sons Grocery Store (formerly No Creek Post Office); 8 ft S. and 26 ft W. of T-rd. SSW.; 15 ft S. of centerline of highway; 3 ft S. of W. end of S. headwall of culvert; 14 ft N. of fence corner; in sandstone post; standard tablet stamped "PRIM TRAV STA NO 13 1907 KY"	417.894

LINE 1 (Cont'd.)Feet

Heflin, 1.8 mi SE. of; 0.8 mi NW. of No Creek Clubhouse; 12 ft S. and 60 ft E. of private Y-rd. E.; 28 ft NE. of centerline of State Highway 136; in concrete post; standard tablet stamped "TT 104 HF 1950 394" (Not found, 1973)	393.625
Reference mark, 560 ft NW. of tablet; on S. end of E. abutment of concrete bridge over Little North Creek; chiseled square	394.36

LINE 2.

By J. J. Spahr, 1950 Book AV 216

"M 79 1935" (NGS) *(Also in line 1)* 424.228

U.E., Centertown, 2.0 mi S. of, at Y-rd. NE.; on W. center of concrete headwall of culvert; chiseled square 407.76

Rockport, 3.0 mi N. of, at West Providence Church, at NE. corner of church; on iron post; standard cap stamped "PRIM TRAV STA NO 12 477 1907" 475.485

Rockport, 2.4 mi NNE. of post office, along U. S. Highway 62; 100 ft NW. of, and 3 ft lower than T-junction with State Highway 85; 27 ft SW. of centerline of Highway 85; 3 ft E. of telephone pole; in concrete post; standard tablet stamped "109 JJS 1950 402" 401.483

Reference mark, 77 ft S. of tablet, in center of W. concrete headwall of culvert; chiseled square 401.54

U.E., Rockport, 1.5 mi NNE. of, at SE. corner of concrete bridge over Lewis Creek; chiseled square 395.81

Rockport, at town of, in E. abutment of Illinois Central Railroad bridge over Green River, 3 ft SE. of S. rail, 20 ft SE. of pump house, 10 ft NE. of steel construction of bridge; standard tablet stamped "117 JJS 1950 410" 409.807

Reference mark, 320 ft NE. of tablet, on S. side of circular concrete junction box; chiseled square 408.63

LINE 3.

By J. J. Spahr, 1950; Book AV 216

Paradise, in NE. corner of E. O. Shull's front yard, in sandstone post; standard tablet stamped "PRIM TRAV STA NO 11 409 1907" 407.176

1950

LINE 4.

By J. D. Nikolaus, 1950; Book AV 254

Feet

"U 72 1935" (NGS) 405.331

Hartford, 1.7 mi SW. of along State Highway 69; 28 ft S. and 26 ft W. of centerline of R.R. crossing, 11 ft S. of S. rail, 3 ft N. of edge of bank, about 1 ft lower than tracks, in concrete post; standard tablet stamped "157 JDN 1950 397" 396.963

Reference mark, 87 ft NE. of tablet, at SE. corner of E. headwall of concrete culvert; chiseled square 397.87

Hartford, 3.2 mi SW. of along State Highway 69, 27 ft S. and 5 ft W. of intersection of highway and dirt rd. S., 75 ft W. of NW. corner of house, in SE. corner of S. headwall of large culvert over small creek; standard tablet stamped "158 JDN 1950 400" (Reported destroyed, 1973) 399.889

Reference mark, at NE. corner of N. headwall of concrete culvert; chiseled square 399.85

McHenry, about 450 ft NE. of post office, 56 ft NW. of NW. corner of concrete culvert under State Highway 62, 5 ft SW. of telephone pole, at NE. corner of triangle formed by rd. forks, in concrete post; standard tablet stamped "159 JDN 1950 421" *NOT FOUND '80* 420.560

McHenry, in W. face of SW. corner of Odd Fellows and Red Men Hall; aluminum tablet stamped "428 1907" 426.003

McHenry, 2.4 mi SW. of along gravel and dirt rd., 27 ft S. and 45 ft E. of T-rd. E., 16 ft SE. of mail box, 14 ft S. of centerline of rd., at NW. corner of field, in concrete post; standard tablet stamped "160 JDN 1950 398" (Reported not found, 1954) 397.782

Echols, 1.3 mi E. of, along graveled rd., 80 ft NE. of Harvey Robinson Grocery Store, 23 ft S. and 24 ft E. of T-rd. N., 3 ft E. of NW. corner fencepost, in concrete post; standard tablet stamped "161 JDN 1950 470" 469.852

Echols, 2.8 mi SE. of, along graveled rd., 0.6 mi S. of Pond Run Church, 100 ft S. of Y-rd. Se., 3 ft NE. of old telephone pole, at top of bank, in concrete post; standard tablet stamped "162 JDN 1950 511" 511.138

LINE 4 (Cont'd.)Feet

Wysox, 2.0 mi NW. of, along graveled and dirt rd., 29 ft SE. of SE. corner of wooden bridge over Pond Run Creek, 15 ft N. of 36-in. beech tree, 12 ft S. of 36-in. beech tree, 11 ft E. of edge of creek, in concrete post; standard tablet stamped "163 JDN 1950 396"	395.490
Wysox, 62 ft S. and 43 ft W. of crossroads, about 100 ft SW. of store, 4 ft NW. of power-transformer pole, 8 ft S. of edge of bank, in concrete post; standard tablet stamped "164 JDN 1950 402"	401.374
Cool Springs, about 170 ft E. of Y-rd. forks, 110 ft NW. of NW. corner of church, 5 ft S. of edge of bank, in concrete post; standard tablet stamped "165 JDN 1950 558"	557.739
Reference mark, 27 ft E. of tablet, in root on W. side of 24-in. oak tree; copper nail and washer	560.56

LINE 5.

By J. D. Nikolaus, 1950; Book AV 254

"W 120 1940" (NGS) (Destroyed, 1971)	435.495
Beaver Dam, 1.7 mi S. of city limits, along State Highway 369, 39 ft W. of T-rd. E., 6 ft S. of S. gatepost, 4 ft E. of fenceline, in concrete post; standard tablet stamped "166 JDN 1950 457"	456.684
Beaver Dam, 3.9 mi S. of city limits, along State Highway 369, at R. & S. Coal Company Mine, 12 ft S. and 51 ft W. of crossroads, 18 ft S. of gas pump, 3 ft S. of power pole, on W. bank of creek, in concrete post; standard tablet stamped "167 JDN 1950 452"	452.320
Cool Springs, 1.3 mi N. of, along State Highway 369, 12 ft N. and 32 ft W. of T-rd. W., 16 ft NW. of N. end of culvert, 2 ft W. of small telephone pole, in concrete post; standard tablet stamped "168 JDN 1950 581"	581.056
Reference mark, 28 ft SE. of tablet, at S. end of concrete pipe culvert under T-rd. W.; chiseled square	578.93
"165 JDN 1950 558" (Described in line 4)	557.739

LINE 6.

By J. D. Nikolaus, 1951; Book AV 254

"N 79 1935" (NGS) (Reported not found, 1954)	403.123
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LINE 6 (Cont'd.)Feet

Hartford, about 3.4 mi W. of, 28 ft S. and 16 ft E. of, and level with junction of T-rd. N., about 45 ft S. of SE. corner of small wooden bridge over rd. ditch drain, 5 ft SW. of power pole, in concrete post; standard tablet stamped "29 JDN 1951 389"

388.520

Hartford, 3.0 mi NW. of along State Highway 71 (NW. for 1.5 mi to junction with State Highway 136, thence W. along Highway 136 for 1.5 mi), 31 ft S. and 20 ft E. of T-rd. S., 4 ft NE. of telephone pole, in NW. corner of field, in concrete post; standard tablet stamped "30 JDN 1951 443"

443.157

LINE 7.

By J. D. Nikolaus, 1950; Book AV 254

Reference mark for "165 JDN 1950 558" copper nail and washer (Described in line 4)

560.56

Cool Springs, 2.2 mi S. of, along State Highway 369, 18 ft N. and 30 ft E. of T-rd. E., 9 ft NE. of 12-in. oak tree, 5 ft E. of edge of bank, in concrete post; standard tablet stamped "169 JDN 1950 505"

505.404

LINE 8.

By J. D. Nikolaus, 1951; Book AV 254

NGS standard disk stamped "A 73 1935"

507.099

Liberty Church, 0.2 mi S. of, about 3.9 mi SE. of Beaver Dam, along gravel rd., 24 ft N. and 32 ft E. of T-rd., E., 3 ft N. of telephone pole, in SW. corner of cultivated field, in concrete post; standard tablet stamped "1 JDN 1951 420"

419.992

Horton, 3.6 mi SW. of, along U. S. Highway 62 for 2.7 mi SW., thence SE. for 0.9 mi along gravel rd., 33 ft S. and 42 ft W. of centerline of R.R. crossing, 12 ft W. of corner fencepost, 1 ft N. of fenceline, in concrete post; standard tablet stamped "2 JDN 1951 406"

405.952

Reference mark, about 100 ft N. of tablet, at S. end of large pipe culvert under R.R.; chiseled square

405.34

Horton, 1.0 mi SW. of, along U. S. Highway 62, 39 ft S. and 5 ft W. of T-rd. N., 11 ft W. of W. gatepost, 2.5 ft N. of fenceline, about 400 ft SW. of strip mine, in concrete post; standard tablet stamped "3 JDN 1951 446"

445.862

LINE 8 (Cont'd.)Feet

Horton, 0.6 mi W. of, along U. S. Highway 62, thence N. along dirt rd. for 1.0 mi to station; 3 ft SW. of NW. corner of Bethel Church, in concrete post; standard tablet stamped "4 JDN 1951 525" 524.269

Horton, 0.6 mi W. along U. S. Highway 62, thence N. along dirt rd. for 3.2 mi to station, 0.7 mi N. of Edwards School, 37 ft N. and 27 ft E. of Y-farm rd. N., 2.5 ft NE. of corner fencepost, at top of bank, in concrete post; standard tablet stamped "5 JDN 1951 622" 621.962

Jingo, 3 ft N. and 32 ft W. of T-rd. forks, 4 ft NW. of edge of creek, 11 ft SW. of corner fencepost, 1 ft S. of fenceline, in concrete post; standard tablet stamped "6 JDN 1951 536" (Reported destroyed, 1971) 535.436

LINE 9.

By J. D. Nikolaus, 1951: Book AV 254

NGS standard disk stamped "D 73 1935" 410.718

U.E. T.P., on SW. corner of concrete base for gas pump; chiseled square 440.95

Select, 1.3 mi SW. of, along graveled rd. 27 ft N. and 18 ft W. of intersection of rd. and T-rd. SE., 12 ft SW. of fence corner, 3 ft E. of fenceline, in concrete post; standard tablet stamped "7 JDN 1951 541" 540.702

/Jogs into Spring Lick quadrangle/

Beaver Dam, 7.0 mi E. of, 5.0 mi S. of Rosine, about 280 ft SE. of frame house, 81 ft N. of Smith triangulation station, 6 ft W. of center of dirt rd., 1 ft E. of fenceline, in concrete post projecting 6 inches; NGS standard reference mark disk stamped "SMITH NO 1 1950" 622.434

Reference mark 2, 93 ft S. of station, 10 ft SE. of center of dirt rd., 1 ft NE. of fenceline, in concrete post projecting 6 inches; NGS standard triangulation station disk stamped "SMITH NO 2 1950" 619.711

Azimuth mark, 0.6 mi SE. of station, 6 ft E. of center of dirt rd., 1 ft NE. of white witness post, in concrete post projecting 5 inches; NGS standard azimuth mark disk stamped "SMITH 1950" 608.310

HARTFORD QUADRANGLE
Book AV 254

102 KENTUCKY

J. D. Nikolaus

37-086-34
9

1951

LINE 10.

Feet

By J. D. Nikolaus, 1951; Book AV 254

3 42 0.00 U.E., T.P., chiseled square (Described in line 9) 440.95

LINE 11.

By J. E. McClane, 1951; Book AV 252

"R. 79 1935" (NGS)

413.113

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

37-086-34
HARTFORD QUADRANGLE
102 KENTUCKY
N3715-W8645/15
DIAGRAM NJ 16-8
EVANSVILLE

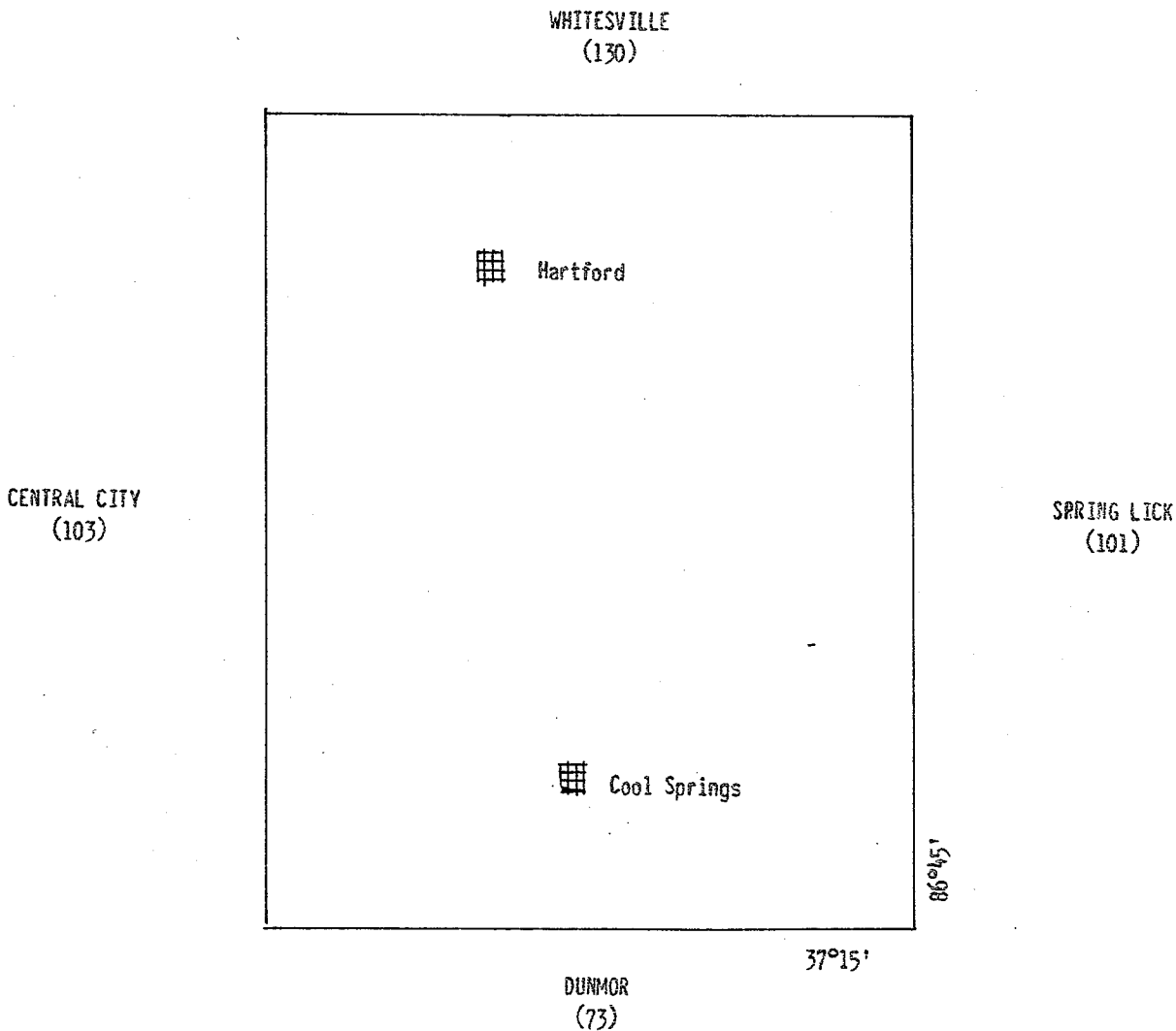
Butler, Muhlenberg, and Ohio Counties

Edition of 9/27/77

PR: CRV/rma

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

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>
PTS NO 11 1907 KY 409	3
PTS NO 12 1907 KY 477	5
PTS NO 13 1907 KY	3
PTS NO 15 1907 KY 550	3
PTS NO 16 1907 KY 472	5
TT 104 HF 1950 394	3
166 JDN 1950 457 TT	4
167 JDN 1950 452 TT	4
168 JDN 1950 581 TT	4
169 JDN 1950 505 TT	4
109 JJS 1950 402 TT	3
117 JJS 1950 402 TT	3
TT 12 HF 1951	4
TT 13 HF 1951	4
7 JDN 1951 541 TT	5
9 JDN 1951 572 TT	5
TT 5 JRH 1951	5
 <u>NGS</u>	
Y 72 1935	4
H 73 1935	5
J 73 1935	5
M 79 1935	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 C. B. Kendall, 1907; Books A926, A927

Paradise; at NE. corner of frontyard at residence of E. C. Schull; in sandstone post; standard tablet stamped "PRIM TRAV STA NO 11 1907 KY 409"

X = 1,641,287	Y = 342,620	37 16 04.70	86 58 57.90
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Bald Knob Church; at SE. corner of; on iron post; standard cap stamped "PRIM TRAV STA NO 15 1907 KY 550"

X = 1,700,782	Y = 382,043	37 22 41.50	86 46 47.20
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By H. P. Finch, 1950; Book AH 202

Heflin, 1.8 mi SE. of, along State Highway 136; 0.8 mi NW. of No Creek Club House; 12 ft S. and 60 ft E. of junction of private Y-rd. E.; 28 ft NE. of centerline of Highway 136; in concrete post; standard tablet stamped "TI 104 HF 1950 394" (Not found, 1973)

X = 1,643,324	Y = 424,901	37 29 38.43	86 58 45.93
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Heflin, 2.8 mi SE. of, along State Highway 136; 86 ft SW. of grocery store of Mrs. L. F. Ward and Son (formerly No Creek Post Office); 8 ft S. and 26 ft W. of junction of T-rd. SSW.; 15 ft S. of centerline of hwy.; 14 ft N. of fence corner; 3 ft S. of W. end of S. headwall of culvert; in sandstone post; standard tablet stamped "PRIM TRAV STA NO 13 1907 KY"

X = 1,645,837	Y = 420,506	37 28 55.30	86 58 14.05
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Centertown; 189 ft SW. of S. corner of Louisville and Nashville Railroad Station; in SW. corner of station yard; at dirt rd. crossing; 32 ft NW. of NW. rail; 25 ft E. of centerline of rd.; in concrete post; NGS standard tablet stamped "M 79 1935"

X = 1,639,260	Y = 395,839	37 24 50.58	86 59 31.60
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Rockport, 2.4 mi NNE. of post office, along U. S. Highway 62; 100 ft NW. of, and 3 ft lower than junction of State Highway 85; 27 ft SW. of centerline of Highway 85; 3 ft E. of telephone pole; in concrete post; standard tablet stamped "109 JJS 1950 402 IT" (Reported destroyed, 1981, remains of post still there)

X = 1,642,929	Y = 376,620	37 21 41.05	86 58 43.02
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Rockport; 20 ft SE. of pumphouse; 10 ft NE. of steel construction of bridge; 3 ft SE. of S. rail; in E. abutment of Illinois Central Railroad bridge over Green River; standard tablet stamped "117 JJS 1950 402 IT"

X = 1,637,362	Y = 366,018	37 19 55.50	86 59 50.25
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