

Rec. July. 74

THIRD ORDER LEVELING
SEA LEVEL DATUM OF 1929

39-084-33
LAWRENCEBURG QUADRANGLE
53 IND.-212 KY.-35 OHIO
N3900-W8445/15
DIAGRAM NJ 16-3
CINCINNATI

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

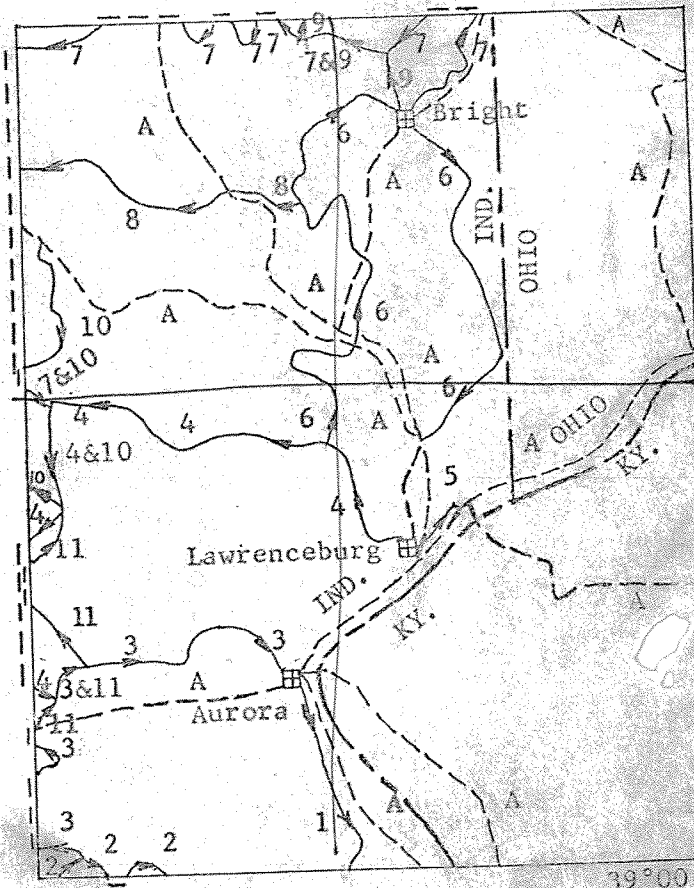
Dearborn and Ohio Counties, Indiana; Boone County,
Kentucky; Hamilton County, Ohio

Final adjustment of 1973

Edition of 5/14/74

PG. 13/5WS

HARRISON
(65 IND.-51 OHIO)



MOCRES HILL
(54)

Heaven

Aurora

L-Bull IND

RISING SUN
(41 IND.-208 KY.)

IGS (USG&GS) VERTICAL CONTROL DATA

Quadrangle 390843

INDEX OF PERMANENT MARKS

<u>MARKS (USGS)</u>	<u>PAGE NO.</u>	<u>MARKS (USGS)</u>	<u>PAGE NO.</u>
485 OHIO	3	40 EOM 1957 912	10
493 OHIO	3	42 EOM 1957 803	10
PTS NO 32 1910 491	7		
TT STA NO 71 M 1928	3	<u>USED</u>	
TT STA NO 72 M 1928	3	BM NO 766	4
TT STA NO 73 M 1928	3		
TT STA NO 74 M 1928	3	<u>NGS</u>	
TT STA NO 86 M 1928	3	D 1	7
TT 13 D 1939 659	4,4	WRIGHT NO 1 1932	5
TT 14 D 1939 506	4	WRIGHT NO 2 1932	5
TT 34 D 1939 781	5	N 47 1934	6
TT 35 D 1939 577	6,10	T 47 1934	6
TT 36 1939 868	5,6	V 47 1934	9
TT STA 37 D 1939 491	6	S 94 1938	3,5
TT 39 D 1939 972	9	LAWRENCEBURG 1938	5
TT STA 40 D 1939 597	7	M 94 RESET 1946	10
TT STA 41 D 1939 495	6	U 273 1947	9
TT STA 43 D 1939 940	8,9	B 273 1947	9
W 1 1940 895	7		
I BM 1954 895	9		
30 EOM 1957 895	10		

	<u>Feet</u>
ISOLATED BENCH MARKS (By E. C. Bibbee, 1915; Book A9558; Harlan Downes, 1928; Book B3045; C. E. Walker, 1929; Book B3460)	
Miami, 3.7 mi SW. of, along Miami-Elizabethtown Pike; 160 ft S. of T-rd. N.; 3 ft S. of SE. corner of pumphouse of W. J. Baur; on W. rd. line; on iron post; standard cap stamped "493 OHIO"	492.904
Elizabethtown, 1.7 mi NE. of, along Elizabethtown-Harrison Pike; 300 ft N. of T-rd. E. over suspension bridge over White Water River; at NW. corner of T-rd. W.; on iron post; standard cap stamped "485 OHIO"	485.191
Burlington, 4.0 mi W. of, along Burlington-Grant Pike; 30 ft S. and 50 ft W. of rd. N.; at Commissary Corners; in concrete post; standard tablet stamped "TT STA NO 86 M 1928" (Tablet reported removed, 1961)	841.712
Petersburg, 1.3 mi SW. of; 0.5 mi E. of Aurora Ferry Landing; 40 ft E. of grassy triangle, at rd. fork W.; 10 ft NW. of large wild cherry tree; 3 ft E. of fenceline; in concrete post; standard tablet stamped "TT STA NO 74 M 1928" (Reported destroyed, 1950)	515.086
Petersburg, 1.0 mi E. of, thence 1.3 mi N.; at Lawrenceburg Ferry Landing, on Kentucky side of Ohio River; about 500 ft E. of river; 32 ft W. of crossroads, at top of hill; 4 ft S. and 9 ft W. of old fence corner; in concrete post; standard tablet stamped "TT STA NO 73 M 1928"	512.921
Petersburg, 1.0 mi E. of, thence 4.5 mi NE.; at Garrison Landing; 110 ft S. of Ohio River; 110 ft N. and 60 ft E. of E. end of house of J. Bowman; in face of small rock outcrop; on N. side and 1 ft above ground; standard tablet stamped "TT ST NO 72 M 1928" (Reported not found, 1950)	468.424
Petersburg, 1.0 mi E. of, thence 8.0 mi NE.; about 2.0 mi S. of monument to President Harrison; at Sand Run School; 33 ft N. of nail in washer in blaze on 30-in. maple tree; 17 ft W. of nail in washer in blaze on 36-in. maple tree; in concrete post; standard tablet stamped "TT STA NO 71 M 1928" (RESET 1943)	521.238

LINE 1.

By C. S. Wells, 1939-40; Book B8419

"S 94 1938" (NGS)

501.400

FeetLINE 1 (Cont'd.)

Aurora, at corner of Morrison and Bridge Streets; 300 ft from bank of Ohio River; 100 ft above high left bank of Hogan Creek; 150 ft landside of coal elevator; 45 ft SE. of spike in triangular blazed 10-in. locust tree; 19 ft NE. of spike in triangular blazed 12-in. locust tree; in 4- by 5-in. concrete pedestal; USED standard 2-in. galvanized pipe with copper bolt in center designated "BM NO. 766" 471.886

U.E., Aurora, 1.2 mi SE. of post office, along State Highway 56; at white house on E. side of hwy.; 10 ft SE. of Public Service Company of Indiana pole No. 506-213; on top of concrete retaining wall; chiseled square 484.25

U.E., Aurora, 2.2 mi SE. of post office, along State Highway 56; 25 ft N. and 15 ft W. of junction of rd. SW.; on top of concrete retaining wall of catch basin; chiseled square 479.03

U.E., Aurora, 3.7 mi SE. of post office, along State Highway 56; 65 ft SE. and 13 ft SW. of junction of rd. SW.; on NW. wingwall of bridge over stream; chiseled square 486.65

LINE 2.

By C. S. Wells, 1939; Book B8419

Hartford, 2.0 mi W. of; 1.2 mi NE. of Milton; in NW. 1/4 sec. 22, T. 4 N., R. 2 W.; 5 ft N. and 36 ft E. of junction of rd. forks; in NW. corner of front yard of P. W. Stevens; on property known as Old Johnston Farm; in concrete post; standard tablet stamped "TT 13 D 1939 659" 658.731

Reference mark; 70 ft NW. of tablet; 50 ft NW. of junction of rd. forks; in base of 30-in. walnut tree; rail spike 656.92

LINE 3.

By C. E. Wells, 1939-40; Book B8419

"TT 13 D 1939 659" (Described in line 2) 658.731

Jogs into Moores Hill quadrangle

Aurora, 5.4 mi W. of station, along Baltimore & Ohio Railroad; bridge 30.64; 3 ft N. of N. rail; 1 ft lower than track; on top of N. end of E. wingwall; chiseled square (B. & O. RR. BM 30.64) 497.41

Washington, 3.0 mi SW. of; 1.5 mi N. of Mt. Tabor Methodist Episcopal Church; in SE. 1/4 sec. 33, T. 5 N., R. 2 W.; 205 ft S. and 101 ft W. of junction of rd.; W. of concrete bridge over Allen Branch; in NW. corner of small triangular plot of ground formed by rd. forks; in concrete post; standard tablet stamped "TT 14 D 1939 506" 505.883

FeetLINE 3 (Cont'd.)

Reference mark; 230 ft E. of tablet; on W. end of S. rail base of bridge over Allen Branch; chiseled square	505.23
U.E., Wilmington, 0.9 mi W. of, along State Highway 350; 20 ft SE. of gate to large red barn; on top of concrete headwall over ditch; chiseled square	735.00
Wilmington, in village of; 6 ft N. and 22 ft W. of NW. corner of Simson Chapel Church; in NW. corner of churchyard; in concrete post; standard tablet stamped "TT 34 D 1939 781"	780.638
U.E., Aurora, about 2.0 mi NW. of, along rd. up S. side of North Hogan Creek; 15 ft N. and 55 ft E. of junction of lane N.; on top of concrete headwall over ditch; chiseled square	504.91
"S 94 1938" (NGS) (Also in line 1)	501.400

LINE 4.

By C. S. Wells, 1939-40; Book B8420	482.601
"LAWRENCEBURG 1938" (NGS)	
U.E., Lawrenceburg, on SW. edge of town; at intersection of U.S. Highway 50 and State Highway 48; on SW. wingwall of hwy. bridge over Tanners Creek; chiseled square	490.24
U.E., Lawrenceburg, 2.3 mi NW. of post office, along State Highway 48; 55 ft NW. and 14 ft NE. of junction of drive NW.; on concrete headwall over ditch; chiseled square	718.44
Lawrenceburg, 3.3 mi NW. of; along State Highway 48; 1.3 mi E. of Blair Lutheran Church; 29 ft N. and 20 ft W. of T-rd.; 22 ft S. and 2 ft W. of SE. corner of barn; in concrete post; standard tablet stamped "TT 36 D 1939 868" (Reported not found, 1966)	867.543
Wrights Corner, 1.2 mi SE. of, along State Highway 48; 56 ft S. of flagpole at entrance to brick residence; 22 ft S. of centerline of hwy.; in concrete post; NGS standard reference mark disk stamped "WRIGHT NO 1 1932"	907.901
Wrights Corner, 1.1 mi SE. of, along State Highway 48; on fence-line on S. side of hwy.; 65 ft NW. of NW. corner of front porch of white frame house with asbestos shingled roof; 20 ft S. of centerline of hwy.; in concrete post; NGS standard reference mark disk stamped "WRIGHT NO 2 1932"	907.490

LINE 4 (Cont'd.)

	<u>Feet</u>
U.E., Wrights Corner; 28 ft NE. and 18 ft NW. of junction of rd.; on bottom step of entrance to Scott's grocery store; chiseled square	902.36
Kyle, 1.6 mi S. of; 7.5 mi NW. of Aurora, on Little Hogan Creek Road; in NE. 1/4 sec. 9, T. 5 N., R. 2 W.; 38 ft N. and 34 ft E. of dim rd. fork NE. up Simley Hollow Road; on property of Alfred Loudon; in concrete post; standard tablet stamped "TT 35 D 1939 577"	577.176
Reference mark; 70 ft NW. of tablet; on NW. bank of Smiley Hollow Branch; in root of 24-in. elm tree; rail spike	576.65

LINE 5.

By C. S. Wells, 1939-40; Book B8420	490.24
U.E., chiseled square (Described in line 4)	
Lawrenceburg, in village of; 31 ft N. and 34 ft E. of intersection of Main and Third Streets; 1 ft NE. of memorial dedicated to James Buchanan Eads; in base of monument; standard tablet stamped "TT STA 37 D 1939 491"	490.694
Reference mark; 3 ft S. of tablet; on base of memorial to James Buchanan Eads; chiseled square	491.67
"N 47 1934" (NGS)	505.245

LINE 6.

By C. S. Wells, 1939-40; Book B8420	867.543
"TT 36 D 1939 868" (Described in line 4)	
U.E., Guilford, 1.5 mi SE. of, thence 0.5 mi SW.; on W. end of N. abutment of hwy. bridge over stream; chiseled square	523.05
Guilford, 1.5 mi SE. of; about 500 ft SE. of Pelley School; on Cincinnati and St. Louis Railroad; 50 ft SW. and 42 ft NW. of rd. crossing at RR. culvert #167; in concrete post; standard tablet stamped "TT STA 41 D 1939 495" (Reported destroyed, 1952)	495.414
Reference mark; 150 ft NE. of tablet; 70 ft SE. of rd. crossing at RR. culvert No. 167; on SE. corner of semaphore base; chiseled square	502.87
"T 47 1934" (NGS) (Reported not found, 1966)	527.676

FeetLINE 6 (Cont'd.)

U.E., Homestead, 3.0 mi NW. of, along State Highway 1, thence 1.0 mi N. of rd. along Salt Fork; 65 ft N. and 13 ft E. of junction of lane E.; on top of headwall over ditch; chiseled square	492.27
Bright's Corner, 3.2 mi S. of, thence 0.5 mi NW.; 2.5 mi SE., thence 2.5 mi N. of Guilford, along Salt Creek rd.; near E. 1/4 cor. sec. 16, T. 6 N., R. 1 W.; 55 ft E. of centerline of bridge over drain; in small plot of ground between drain and fence line; in concrete post; standard tablet stamped "TT STA 40 D 1939 597" (Reported not found, 1966)	596.577
Reference mark; 70 ft NW. of tablet; on NW. wingwall of bridge over stream; chiseled square	593.69
U.E., Guilford, 1.2 mi SE. of, thence about 3.0 mi N.; 3.6 mi S. of Logan; 70 ft NW. and 25 ft SW. of junction of rd. SW.; in root of 24-in. cherry tree; rail spike	807.16
U.E., Bright, 0.5 mi NW. of, thence 0.5 mi W.; near top of long hill; 25 ft S. of centerline of rd.; on top of embedded boulder; chiseled square	910.40
Bright, on E. end of bottom step at entrance to Providence Presbyterian Church; chiseled square (Tied by NGS, 1947)	929.24
U.E., Bright, 1.2 mi SE. of; on S. side of hwy.; in front of residence of W. Callaway; on concrete slab over culvert; chiseled square	916.42
Bright, 2.5 mi SE. of; 1.8 mi NE. of Lawrenceburg Junction along U. S. Highway 50, thence 3.2 mi NW.; 230 ft S. and 40 ft W. of junction of rd. W.; in concrete platform of cistern at milk cooling house; standard tablet stamped "W 1 1940 895"	894.663
Reference mark; 230 ft NE. of tablet; 22 ft S. and 15 ft E. of junction of rd. W.; in root of 24-in. ash tree, rail spike	895.40
Lawrenceburg Junction, 1.8 mi NE. of, along U. S. Highway 50, thence 1.2 mi NW. along county hwy.; on E. side of hwy.; on top of concrete culvert over drain; chiseled square	586.75
Elizabethtown, 1.1 mi SW. of; at NE. corner of T-pike N.; at Ohio-Indiana State line; 4 ft N. of large stone monument; 35 ft N. and 20 ft E. of centerline of T-pike; on iron post; standard cap stamped "PRIM TRAV STA NO 32 1910 491"	490.530
"D 1" (NGS)	500.314

LINE 7.

By C. S. Wells, 1939-40; Book B8420

U.E.; Bright; chiseled square (Described in line 6) 929.24

U.E., Bright; 1.0 mi NE. of, along rd. to Harrison; on NE. wing-
wall of bridge over creek; chiseled square (Tied by NGS, 1947) 682.32

U.E., Bright, 2.2 mi NE. of, along rd. to Harrison; 70 ft S. and
20 ft E. of junction of rd. E.; in root of W. side of two-trunked
poplar tree on W. bank of creek; rail spike (Tied by NGS, 1947) 522.43

/Jogs into Harrison quadrangle/

U.E., Bright, 1.5 mi N. of, thence 0.3 mi E.; 2.3 mi SE. of Logan
along Sunman-Harrison Road; 25 ft N. and 20 ft E. of junction of
lane S.; in root of 24-in. walnut tree; rail spike 943.55

Logan, 2.0 mi SE. of, along Sunman-Harrison Road; 1.5 mi N. of
Bright; 38 ft S. and 38 ft E. of junction of rd. S.; in NW.
corner of field; in concrete post; standard tablet stamped
"TT STA 43 D 1939 940" 939.744

Reference mark; 130 ft W. of tablet; on S. side of hwy.; in root
of 36-in. maple tree; rail spike 939.37

U.E., Logan; 23 ft S. and 20 ft W. of intersection of crossroads;
on SE. corner of base of memorial tablet to General John Morgan;
chiseled square 925.04

/Jogs into Harrison quadrangle/

U.E., Logan, 0.8 mi W. of, along Sunman-Harrison Road; 18 ft S. and
60 ft W. of junction of rd. S.; in root of 24-in. locust tree;
rail spike 920.85

/Jogs into Harrison quadrangle/

U.E., Logan, 2.0 mi W. of, along Sunman-Harrison Road; 20 ft N. and
30 ft E. of junction of rd. N.; on concrete headwall over ditch;
chiseled square 935.18

LINE 8.

By C. S. Wells, 1939-40; Book B8420

U.E., rail spike (Described in line 6) 807.16

LINE 8. (Cont'd.)Feet

U.E. Dover, about 4.3 mi SE. of, along State Highway 1; on SE. wingwall of hwy. bridge over creek; chiseled square 543.84

"V 47 1934" (NGS) 585.983

Yorkville, 1.7 mi SE. of; 2.8 mi NW. of Guilford, along Guilford-Yorkville rd.; 100 ft N. and 12 ft W. of rd. forks; in E. edge of front yard of J. J. Voglesang; in concrete post; standard tablet stamped "TT 39 D 1939 972" 871.923

Refer to mark; 200 ft SE. of tablet; 20 ft N. and 100 ft E. of rd. forks; in root of 24-in. ash tree; rail spike 868.32

U.E., Yorkville, 0.9 mi SE. of, along Guilford rd.; on S. side of hwy.; on E. end of headwall; chiseled square 895.33

U.E., Yorkville; on N. end of bottom step at entrance to St. Martins Church; chiseled square 941.56

LINE 9.

By J. W. McLaughlin, 1954; Book AV 396

"U 273 1947" (NGS) 930.759

U.E., chiseled square (Described in line 6) 929.24

"TT STA 43 D 1939 940" (Described in line 7) 939.744

Logan, about 0.2 mi E. of crossroads; on N. side of, and about 1 ft higher than centerline of rd.; in top of W. end of concrete head-wall of culvert; standard tablet stamped "1 JWM 1954 895" 895.370

U.E., chiseled square (Described in line 7) 925.04

LINE 10.

By E. O. Miner, 1957; Book AV 540

"B 273 1947" (NGS) 732.948

U.E., Bonnell, 1.3 mi NW. of; on middle of SE. concrete railing of bridge; chiseled square 739.41

FeetLINE 10 (Cont'd.)

Bonnell, (formerly Kennedy Post Office), 1.3 mi NW. of, thence 0.5 mi S.; 0.7 mi NW. of school at Kyle, along State Highway 48, thence 1.9 mi NE.; in SE. 1/4 of sec. 21, T. 6 N.; R. 2 W.; 97 ft E. of T-rd. W.; 1 ft S. of barn lot fence; in concrete post; standard tablet stamped "39 EOM 1957 895" 894.849

Reference mark; 110 ft SW. of tablet; 37 ft SW. of T-drive E. to barn between twin 0.5 ft locust trees; copper nail and washer 890.79

U.E., Bonnell, 1.3 mi NW. of, thence 1.0 mi S.; on NW. masonry wingwall of wooden bridge; chiseled square 777.74

U.E., Bonnell, 1.3 mi NW. of, thence 1.6 mi S.; on N. wingwall of concrete bridge; chiseled square 815.35

/Jogs into Moores Hill quadrangle/

Kyle; about 600 ft E. of school; near center of sec. 33, T. 6 N., R. 2 W.; 47 ft SE. of junction of State Highway 48 and rd. S.; 26 ft S. of centerline of hwy.; 6 ft S. of pole; in concrete post flush with ground; standard tablet stamped "40 EOM 1957 912" (Reported not found, 1966) 911.694

Reference mark; 510 ft W. of tablet; on concrete base of flagpole at school; chiseled square 914.94

"TT 35 D 1939 577" (Described in line 4) 577.176

Reference mark; 0.5 mi S. of tablet; 60 ft W. of T-rd. N.; on SE. wingwall of concrete bridge over Little Hogan Creek; chiseled square 554.42

U.E., Kyle, 2.8 mi S. of; 60 ft W. of T-drive N. to barn; on S. headwall; chiseled square 837.26

LINE 11.

By E. O. Miner, 1957; Bso. AV 540 510.056

"M 94 RESET 1946" (NGS)

Dillboro Station, 2.9 mi NE. of, along B. & O. RR.; thence 1.5 mi N.; 1.9 mi SE. of Mt. Sinai Methodist Episcopal Church, along State Highway 350; near S. 1/4 cor. sec. 27, T. 5 N., R. 2 W.; 47 ft S. of, and 5 ft lower than junction of Y-rd. W.; 2 ft N. of fence; in concrete post; standard tablet stamped "42 EOM 1957 803" 802.620

LINE 11 (Cont'd.)Feet

Reference mark; 450 ft NW. of tablet; 50 ft N. of centerline of hwy.;
on top concrete step at SE. corner of concrete block barn; chiseled
square 807.55

U.E., Mt. Sinai Methodist Episcopal Church; on W. end of S. concrete
step at front door; chiseled square 878.61

/Jogs into Moores Hill quadrangle/

U.E., about 100 ft NE. of Y-rd.; in root on N. side of 4-ft sycamore
tree; copper nail and washer 835.03

Reference mark for "TT 35 D 1939 577", chiseled square (Described
in line 10) 554.42