

THIRD-ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

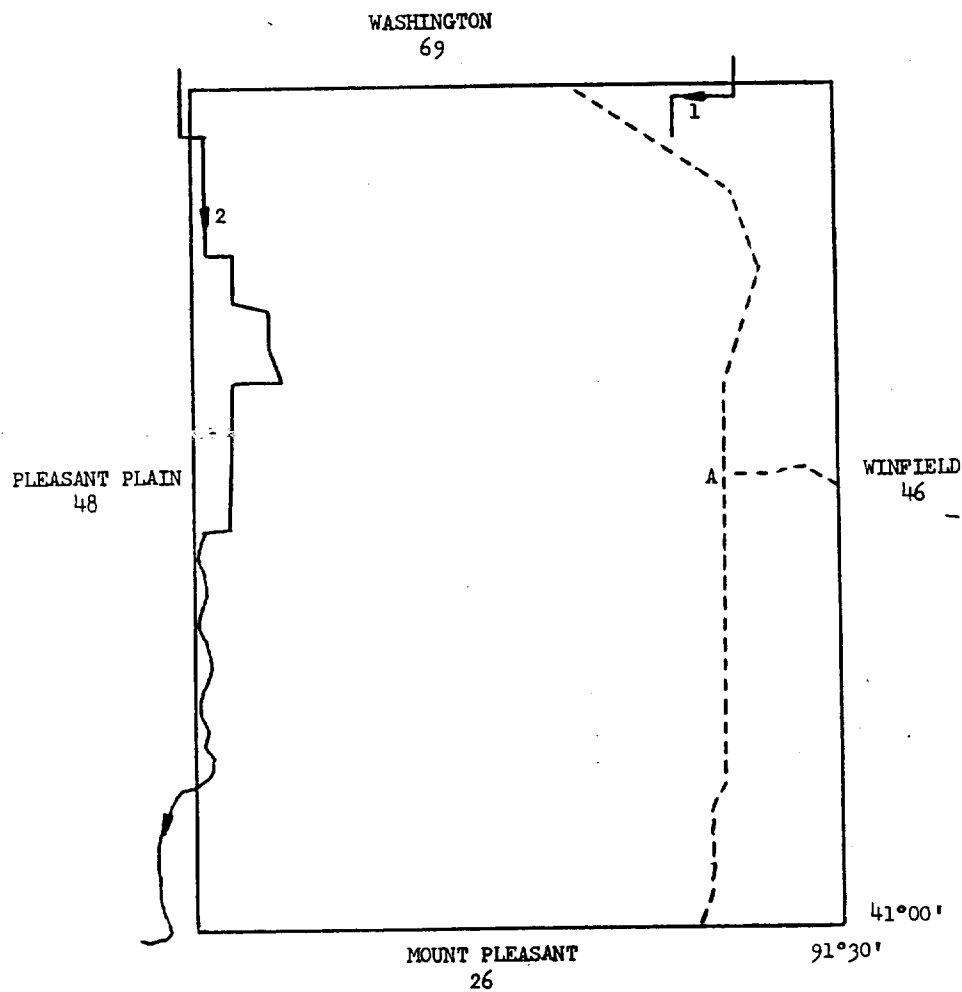
Washington, Henry and Jefferson
Counties

Edition of: 3-16-77

PR: ADP/LB/ob

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

41-091-32
OLDS QUADRANGLE
47 - IOWA
N4100-W9130/15
DIAGRAM NK 15-9
DAVENPORT



N.G.S. (USC&GS) VERTICAL CONTROL DATA

Quadrangle No. 410913

47-D

2
41-091-32
OLDS QUADRANGLE
47 - IOWA

LINE 1

FEET

S.E. Mitchell, 1968; Book CV-2330

WASHINGTON QUAD. - 69

- 2 17 4.9 UE, T. 75 N., R. 6 W., near center NW $\frac{1}{4}$ sec. 34, 69 ft N. and 21 ft W. of crossroads, jet.
Hwy. 218 and State Road "G", on concrete headwall of culvert; chiseled square 732.27
- 18 4.9 Center of crossroads, U.S. Hwy. 218 and State Road "G" 733.0

OLDS QUAD. - 47

- 19 5.9 Crawfordsville, 2.25 mi N. of along U.S. Hwy. 218, T. 74 N., R. 6 W., near center of
NW $\frac{1}{4}$ sec. 3, 12 ft N. and 61 ft E. of T-rd. W., 3.5 ft N. and 3 ft W. of T-fence N.,
1 ft W. of witness tags, a standard tablet on steel rod, in 6-in. tile stamped
"2 SEM 1968", painted "EM" 737.077
- 20 6.0 Reference mark, 95 ft WNW. of tablet, 37 ft N. and 33 ft W. of T-rd. W., on top of steel
rod in concrete right-of-way post 737.08
- 23 7.2 UE, T. 74 N., R. 6 W., near N. sixteenth cor. between secs. 4 and 5, 24 ft S. and 25
ft E. of T-rd. E., on concrete pipe culvert; chiseled square; painted "UE" 730.41
- 26 8.3 1.6 mi NW. along the Chicago, Burlington & Quincy RR. from the crossing of U.S. Hwy.
218 at Crawfordsville, at a road crossing, 27 ft NE. of the center of the track, 32
ft W. of the center of the road, 8 ft NW. of a fence corner, and 2 ft SW. of a fence,
a standard disk stamped "Q 123 1935" and set in the top of a concrete post 737.590

LINE 2

D.D. Bolin, 1976; Book CV-3332

WELLMAN QUAD. - 70 IA.

- 5 9 4.1 UE W C, 2.7 mi S. along road from the tablet; T. 75 N., R. 8 W., near the S. sixteenth
cor. between secs. 34 and 35, 40 ft N., 33 ft E. and 1.3 ft lower than the centerline
of the T-rd. E., 0.5 ft W. of the cor. fence post; on top of a drilled copper rod pro-
jecting 0.5 ft above the ground 756.50

PLEASANT PLAIN QUAD. - 48

- 11 5.3 Reference mark, 145 ft NW. of the tablet; 96 ft N.; 19 ft W. and 1 ft N. of the S. end
of the W. concrete headwall of the concrete box culvert; a chiseled square 679.49
Washington,
- 12 5.4 BM, $\frac{1}{4}$ mi S. and 3 mi W. of; T. 74 N., R. 8 W., near the cor. of secs. 2, 3, 10 and 11,
18 ft S., 71 ft E. and 5.5 ft lower than the centerline of the T-rd. N., on top and at
the W. end of the S. concrete headwall of the concrete box culvert; a standard tablet
stamped "19 DDB 1976" 678.680

OLDS QUAD. 47 IA.

- 14 5.9 UE 19 A, 0.5 mi E. along road from the tablet; T. 74 N., R. 8 W., at the quarter cor.
between secs. 2 and 11; 21 ft N., 20 ft W. and 3.4 ft lower than the centerline of the
T-rd. S. on top and at the W. end of the round metal culvert; a punched hole 720.68
- 17 7.1 UE 19 B, 0.5 mi E. thence 1 mi S. along road from the tablet; T. 74 N., R. 8 W., near
the quarter cor. between secs. 11 and 14; 610 ft S. and 36.3 ft lower than the center-
line of the crossroads; 9 ft S. and 18 ft W. of the centerline of N.-S. road at the
field entrance W.; on top and at the S. end of the round concrete culvert; chiseled
square 657.86

OLDS QUAD. - 47

FEET

LINE 2 (Cont'd)

5	19	7.5	UE 19 C, 0.5 mi E. thence 1.5 mi S. along road from the tablet; T. 74 N., R. 8 W.; near the center of sec. 14, 13 ft N., 26 ft W. and 0.9 ft lower than the centerline of the crossroads; on top and at the N. end of the round metal culvert; a punched hole	644.65
22	8.5		Reference mark, 435 ft WNW. of the tablet; 39 ft N. and 21 ft E. of the centerline of T-rd. N. on top and at the E. end of the round metal culvert; a punched hole	615.91
23	8.5		BM, Brighton, 1.5 mi N. and 3.75 mi E. of; T. 74 N., R. 8 W., near the center of sec. 23, 45 ft N., 456 ft E. and 1.8 ft lower than the centerline of the T-rd. N. (meas. normal to crossroads), at the slight jog in the N. right-of-way fence, 1 ft S. of the N. right-of-way fence; 1 ft S. of the witness post; set inside of a 6-in. clay drain tile, a standard tablet stamped "20 DDB 1976"	617.799
25	9.0		UE 20 A, 0.5 mi E. along road from the tablet; T. 74 N., R. 8 E., near the quarter cor. between secs. 23 and 24, 26 ft S., 20 ft W. and 2.6 ft lower than the centerline of the crossroads; on top and at the S. end of the round concrete culvert; a chiseled square	621.93
28	10.8		UE 20 B, 1.5 mi S. and 1 mi E. along road from the tablet; T. 74 N., R. 8 W., about 0.2 mi E. of the center of secs. 25; 426 ft S., 18 ft W. and 20.8 ft lower than the centerline of the T-rd. S., on top and at the N. end of the W. concrete headwall of the box culvert; a chiseled square	656.69
32	13.0		Reference mark, 490 ft E. of the tablet; on top and at the E. end of the N. concrete bridge railing, a chiseled square	615.03
33	13.1		BM, Brighton; 1 mi S. and 5.3 mi E. of, near the small town of Coppock; T. 74 N., R. 8 W.; in the SE. cor. of sec. 36, on top and at the W. end of the N. concrete railing of the steel and concrete bridge over Skunk River on State Hwy. 78; a standard tablet stamped "21 DDB 1976"	614.918
36	14.1		UE 21 A, 0.9 mi W. thence 495 ft S. of the tablet; T. 73 N., R. 8 W.; in the NE. cor. of sec. 2, 495 ft S., 15 ft E. and 10.7 ft lower than the centerline of the T-rd. S.; on top and at the NE. end of the W. concrete headwall, of the concrete box culvert; a chiseled square	622.06
39	15.0		UE 21 B, 0.9 mi W. thence 1 mi S. along road from the tablet; T. 73 N., R. 8 W., near the cor. of secs. 1, 2, 11 and 12, 210 ft S., 30 ft E. and 4.4 ft higher than the centerline of the Y-rd. NW.; 15 ft N. of a T-fence E., 1 ft W. of the N. gate post; on top of a drilled copper rod projecting 1 ft above the ground	717.48
40	15.9		Reference mark, 135 ft N. of the tablet; 15 ft S. and 24 ft E. of the centerline of N.-S. road at the private drive E. on top and at the S. end of the round metal culvert; a punched hole	618.55
41	15.9		BM, Coppock; 2 mi S. and 1 mi W. of; T. 73 N., R. 8 W., near the cors. of secs. 11, 12, 13 and 14; 220 ft N., 12 ft E. and 1.6 ft lower than the centerline of the T-rd. W. on top and at the N. end of the E. concrete headwall of the concrete box culvert, a standard tablet stamped "22 DDB 1976"	619.812
43	16.9		UE 22 A, 1 mi S. along road from the tablet; T. 73 N., R. 8 W.; near the cor. of secs. 13, 14, 23 and 24, 18 ft NW. and 4.3 ft lower than the centerline of the road at curve on top and at the NE. end of the NW. concrete headwall of the concrete box culvert; a chiseled square	614.60

LINE 2 (Cont'd)

OLDS QUAD. - 47

FEET

- 5 46 17.8 UE 22 B, 1 mi S. and 1 mi W. along road from the tablet; T. 73 N., R. 8 W. near the cor. of secs. 14, 15, 22 and 23, 18 ft N., 39 ft E. and 0.4 ft lower than the centerline of the T-rd. E. on the top and at the NW. end of the round metal culvert; a punched hole 725.57
- 49 19.3 Reference mark, 620 ft N. of the tablet, 650 ft N. and 15 ft W. of the centerline of the T-rd. N., on top and at the W. end of the round concrete culvert; a chiseled square 710.64
- 51 19.4 BM, Germanville; about 1 mi E. of; T. 73 N., R. 8 W.; in the SE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of sec. 26, 30 ft S., 2 ft lower and in line with extended centerline of the T-rd. N., 11 ft E. of the centerline of field entrance S., 2 ft E. of the E. gate post also T-fence S., and cor. fence post, 1 ft N. of the S. right-of-way fence, 1 ft N. of the witness post; set inside of a 6-in. clay drain tile, a standard tablet stamped "23 DDB 1976" 709.967
- 54 20.4 UE, 23 A, 0.25 mi W. thence 0.7 mi S. along road from the tablet; T. 73 N., R. 8 W., near the center of the NW $\frac{1}{4}$ of sec. 35; 12 ft E. and 0.8 ft lower than the centerline of the road at the small branch crossing; on top and at the N. end of the E. concrete headwall of the concrete box culvert; a chiseled square 600.83
- 56 21.3 UE 23 B, 0.25 mi W. thence 2 mi S. along road from the tablet, T. 73 and 72 N., R. 8 W., about 500 ft E. of the quarter cor. between secs. 35 and 2, 11 ft N. and 175 ft W. and 1.5 ft higher than the centerline of the T-rd. N. on top and at the E. end of the N. concrete railing of the steel and concrete bridge over a small creek, chis. square 600.52
- 60 22.5 UE 23 C, 0.25 mi W. thence 1.7 mi S. along road from the tablet; T. 72 N., R. 8 W.; near the quarter cor. between secs. 2 and 11; 170 ft N., 24 ft W. and 2.6 ft lower than the centerline of the Y-rd., 9 ft S. and 24 ft W. of the N.-S. road at the dim field entrance W. opposite private drive E. on top and at the S. end of the round metal culvert; a punched hole 653.65
- 63 22.9 BM, Four Corners, about 2.75 mi N., 1 mi E. of; T. 72 N., R. 8 W.; in the SW $\frac{1}{4}$ of the NE $\frac{1}{4}$ of sec. 11, 26 ft N., 12 ft E. and 1.9 ft higher than the centerline of the concrete bridge over "Turkey Creek", on top of the NE. guard rail; a standard tablet stamped "24 DDB 1976" 603.634
- 64 22.9 Reference mark, 78 ft SSW. of the tablet; 24 ft S. and 12 ft W. of the centerline of the bridge on top and 2 ft N. of, at the S. end of the W. concrete bridge railing, a chiseled square 602.58

PLEASANT PLAIN QUAD. - 48

- 66 23.5 UE 24 A, 0.6 mi S. along road from the tablet; T. 72 N., R. 8 W.; about 0.2 mi E. of the center of sec. 2; 135 ft SW., 21 ft NW. and 2.6 ft lower than the centerline of the Y-rd. E. which leads to the Mac Coon Access; 21 ft NW. and 10 ft NE. of the dim field entrance to the NW.; on top and at the NE. end of the round metal culvert; a punched hole 704.32
- 69 24.7 UE 24 B, 1.8 mi SW. along road from the tablet; T. 72 N., R. 8 W.; near the center of the NE $\frac{1}{4}$ of sec. 15; 20 ft S., 26 ft W. and 1.8 ft lower than the centerline of road at curve at field road W.; on top and at the S. end of the round concrete culvert; a chiseled square 728.37
- 71 26.2 Reference mark number one is a standard disk stamped "LOCK NO 1 1955" set in a drill hole in the concrete base of the water pump which projects about 4-in. above the ground and is about the same elevation as the station. It is 2.5 ft W. of the water pump, 3 ft E. of the E. edge of a sidewalk and 30 ft N. of the NE. corner of the schoolhouse. 739.88

5
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LINE 2 (Cont'd)

PLEASANT PLAIN QUAD. - 48

FEET

- 5 72 26.2 Triangulation station, located airline, about 2 mi N.-NW. of Lockridge, about 12 mi W.-NW. of Mt. Pleasant and about 0.1 mi E. of what is locally known as Four Corners, in the SW. corner of the yard of the Four Corners Schoolhouse. The station is a standard disk stamped "LOCK 1955" and set in top of a concrete cylinder which is about 12-in. in diameter and is about 4-in. below the surface of the ground. It is 78 ft W. of the W. side of the schoolhouse, 100 ft S. of the centerline of the graveled road and 18 ft E. of a white witness post and a N.-S. fence line. 739.309
- 74 27.4 UE LOCK A, 1.3 mi S. along road from Triangulation Station "LOCK", T. 72 N., R. 8 W., about 0.1 mi N. of the center of sec. 27, 105 ft N., 12 ft W. and 0.3 ft lower than the centerline of the concrete bridge over "Brush Creek", on top and at the N. end of the W. concrete bridge railing, a chiseled square 624.74

MOUNT ZION QUAD. - 27 1A.

- 77 28.5 UE Lock B, 2.3 mi S. along road from the Triangulation Station "LOCK", T. 72 N., R. 8 W.; in the SE. cor. of the NW $\frac{1}{4}$ of the NE $\frac{1}{4}$ of sec. 34, 63 ft N., 39 ft W. and 2.4 ft lower than the centerline of the T-rd. E. on top and at the W. end of the round concrete culvert; a chiseled square 700.19
- 80 29.3 BM, 1.4 mi W. along the Chicago, Burlington & Quincy RR. from the station at Lockridge, Jefferson County, at underpass 245.35, in the top of the NE. cor. the SE. concrete pedestal foundation, 11 ft S. of the centerline of the S. track, and 1.5 ft higher than the track, a standard USC&GS disk stamped "U 124 1935" 731.101