

THIRD-ORDER LEVELS
SEA LEVEL DATUM OF 1929

Polk, Jasper, Warren and
Marion Counties

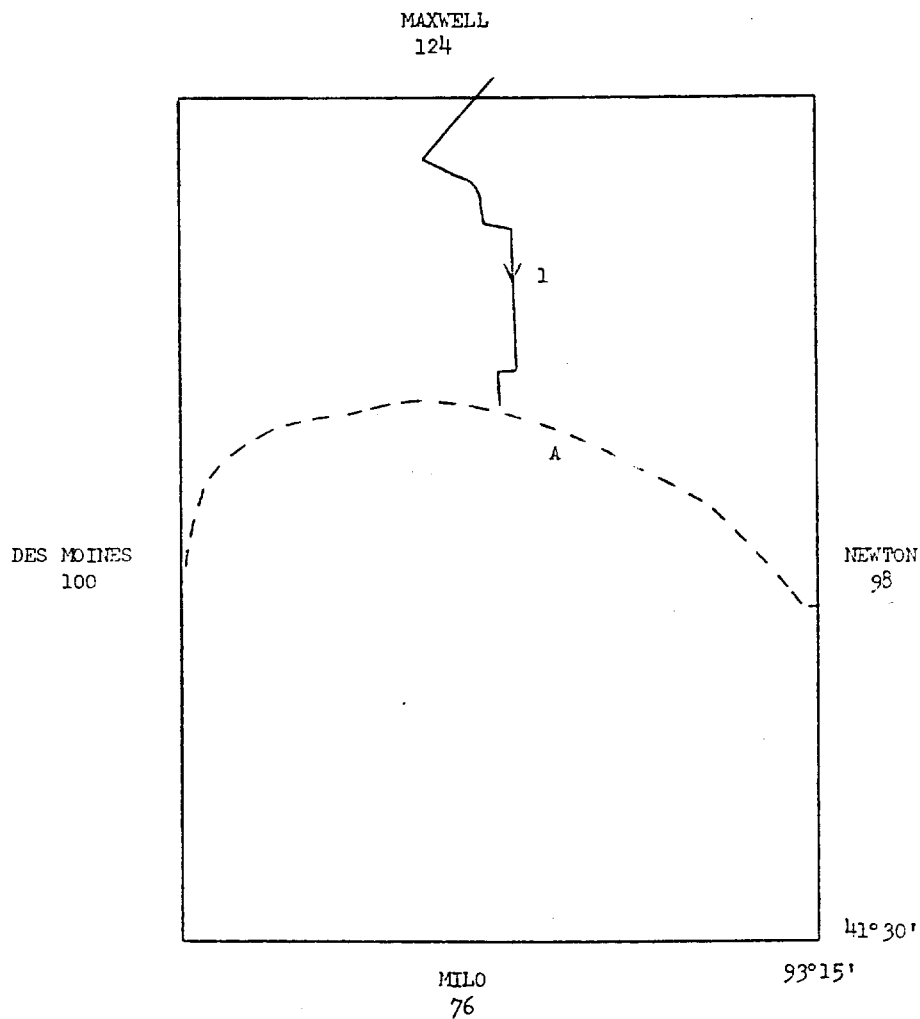
Final Adjustment of 1972

Edition of: 3-17-72

PR:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MITCHELLVILLE QUADRANGLE
99 - IOWA
N4130-W9315/15
DIAGRAM NK 15-8
DES MOINES



N.G.S. VERTICAL CONTROL DATA
Quadrangle No. 410931

99-D

LINE 1

FEET

K.E. Daly, 1971; Book CV-2752

MAXWELL QUAD. - 124

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|----|------|------|---|---------|
| 1 | 34 | 17.6 | Farrar, 3.0 mi S. of at junction with U.S. Hwy. 65, near cor. secs. 1, 2, 11 and 12, T. 80 N., R. 22W., 130 ft S., 16.5 ft W. and 1.2 ft lower than hwy. at N.-S. rd., S. end of W. headwall of 10 ft concrete box culvert, a standard tablet stamped "5 KED 1971"; painted | 846.958 |
| 35 | 17.6 | | Reference mark is 290 ft W. of tablet, 283 ft SW. along hwy. and 19 ft S. of centerline hwy., E. end S. headwall of 10 ft concrete box culvert, chiseled square; painted | 847.01 |

MITCHELLVILLE QUAD. - 99

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| 36 | 18.8 | UE 5 A, 1.1 mi SW. along U.S. 65 from tablet at a bridge 14.5 ft N. and 0.3 ft higher than rd. at bridge, center of NW. end of W. abutment, chiseled square; painted | 812.68 |
| 37 | 19.5 | UE 5 B Centerline, 1.8 mi SW. along U.S. Hwy. 65 from tablet at a bridge over Skunk River, centerline hwy. at center of bridge copper nail and washer; painted | 818.8 |

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| 38 | 20.5 | Reference mark is 76.5 ft N. of tablet, 137 ft N. along hwy. and 15 ft SE. of centerline hwy. center of SE. wingwall of S. abutment, chiseled square; painted | 841.59 |
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| 39 | 20.5 | Bondurant, 2.0 mi N. and 3.0 mi E. of at T-hwy. W. near cor. secs. 15, 16, 21 and 22, T. 80 N., R. 22 W., 30 ft N. of centerline of hwy. W. (extended) 115 ft E. and 5.4 ft lower than hwy. at hwy. W.; 72.5 ft SE. of centerline hwy. and 1.5 ft S. of metal witness post, a standard tablet attached to a copper weld rod centered in a 6-in. tile filled with gravel and level with ground, tablet is stamped "6 KED 1971"; painted | 839.526 |
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- Moved to Hwy. Culv. Reset 1978*

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| 41 | 21.6 | UE 6 A, 1.0 mi SE. along rd. from tablet, 21 ft S., 310 ft E. and 6.6 ft lower than rd. at drive S. to farmhouse; S. end of 2.5 ft metal culvert, punched hole in painted square; painted | 836.34 |
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| 42 | 22.5 | UE 6 B, 1.9 mi SE. along rd. from tablet, at entrance to Franklin Cemetery, 8 ft N. 52 ft E. and 0.7 ft lower than rd. at entrance to cemetery, SW. cor. of concrete base of N. stone gate post at main entrance; chiseled square, not painted | 869.37 |
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| 43 | 22.8 | UE 6 C Centerline, 2.2 mi SE. of tablet at T-rd. N., centerline of T-rd. N.; painted | 881.7 |
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| 45 | 23.6 | Mitchellville, 3.5 mi N. and 0.5 mi W. of near quarter cor. between secs. 25, and 26, T. 80 N., R. 22 W., 596 ft S., 20 ft E. and 6.8 ft lower than hwy. at rd. W.; center of E. headwall of 4 ft concrete box culvert, a standard tablet stamped "7 KED 1971"; painted | 857.929 |
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| 46 | 24.0 | UE 7 A, 0.4 mi S. of tablet, 21 ft S., 38 ft E. and 1.4 ft lower than hwy. at E.-W. rd. S. end of a 2 ft concrete pipe culvert, chiseled square; painted | 910.64 |
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| 47 | 25.0 | UE 7 B, 1.4 mi S. along hwy. from tablet at crossroads, 146 ft S., 24 ft W. and 2.4 ft lower than crossroads; W. end of 2.7 ft concrete pipe culvert; chiseled square; painted | 959.05 |
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MITCHELLVILLE QUADRANGLE
- 99 - IOWA

LINE 1 (Cont'd)

MITCHELLVILLE QUAD. - 99

FEET

1 48	25.5	Mitchellville, 1.5 mi N. and 0.5 mi W. of, near quarter cor. between secs. 1, and 2, T. 79 N., R. 22 W.; 18 ft E. and 0.9 ft lower than center of bridge at centerline of interstate, approximately center of E. end of N. abutment of bridge, over interstate a 1.5 in. disk, stamped IHC Designated IHC 1; painted (Elev. by USGS)	989.745
49	26.0	UE, IHC 1 A, 0.5 mi S. of disk at crossroads, in NW. part of Mitchellville, 141 ft N., 27 ft E. and 2.9 ft lower than crossroads; E. end of 4.5 ft concrete pipe culvert, chiseled square; painted	942.09
51	26.8	UE IHC 1 B, 1.0 mi S. and 0.2 mi W. of disk, 11 ft E., 132 ft S. and 3.0 ft higher than T-rd. S., center of E. railing of 6 ft concrete box culvert; chiseled square; painted	915.93
53	27.8	USC&GS H4 U 4 1930. 0.9 mi W. along the Chicago, Rock Island & Pacific RR. from Nobleton, Polk County, 300 yards W. of a rd. crossing, 150 yds. E. of a station-one-mile sign, at a bridge, and in the top of the N. end of the E. abutment, a standard USC&GS disk, stamped "941.885 U 1930".	941.885

ISOLATED BENCH MARKS

T. 79 N., R. 23 W., 127 ft N. and 74 ft W. of crossroads at cor. secs. 1, 2, 11, and 12, in top of S. side of concrete porch of schoolhouse; bronze tablet marked "965.9" (Not found 18-71, KED)	966.05
T. 79 N., Rs. 22 and 23 W., near cor. secs. 13, 18, 19 and 24, 0.47 mi S. of Altoona, 54 ft S. and 24 ft W. of crossroads, in top of concrete post; bronze tablet (Not found 10-71, KED)	952.475
T. 78 N., Rs. 22 and 23 W., cor. secs. 1 and 6, 27 ft S. and 30 ft E. of T-rd. S., 100 ft N. and 75 ft W. of D.W. Darr's house, on concrete post; bronze tablet stamped "PRIM TRAV STA NO 27 LS 1924 IA" (Reported destroyed 11-63, by letter)	924.790
T. 78 N., R. 22 W., in NW $\frac{1}{4}$ of NW $\frac{1}{4}$ sec. 30, 0.7 mi NW. of Adelphi, 52 ft N. and 17 ft W. of rd. forks, 1 ft E. of wire fence, in top of concrete post; bronze tablet (Not found, 10-71, KED)	783.66
T. 78 N., R. 22 W., near quarter cor. on S. side of sec. 33, 407 ft S. of Wabash RR., at crossing of hwy. at curve in hwy., 60 ft N. of centerline of hwy. E., 15 ft W. of centerline of hwy. N. from curve, in top of concrete post; bronze tablet	762.628
T. 78 N., R. 22 W., 530 ft W. of quarter corner on N. side of sec. 3, and 40 ft S. of rd., on concrete post; bronze tablet stamped "PRIM TRAV STA NO 26 LS 1924 IA" (Destroyed 11-63, by letter)	896.016
T. 78 N., R. 21 W., at N. cor. secs. 5 and 6, 30 ft S. and 30 ft E. of T-rd. S., near cemetery, on concrete post; bronze tablet stamped "PRIM TRAV STA NO 25 LS 1924 IA" (Reported not found 8-64, JHB)	932.632
T. 80 N., R. 21 W., at quarter corner between secs. 14 and 23, 20 ft E. of T-rd. W., on concrete post; bronze tablet stamped "PRIM TRAV STA NO 19 LS 1924 IA" (Not found, 10-71, KED)	862.585

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MITCHELLVILLE QUADRANGLE
99 - IOWA

ISOLATED BENCH MARKS

FEET

T. 80 N., R. 21 W., at cor. secs. 17, 18, 19 and 20; 730 ft W. and 115 ft N. of station at Valeria, 25 ft S. and 25 ft E. of T-rd. N., 1.5 ft S. of wire fence, on concrete post; bronze tablet stamped "WRB 10 1" (Not found, 11-71, KED)	877.271
T. 80 N., R. 22 W., at quarter corner between secs. 25 and 26, 20 ft S. and 35 ft W. of T-rd. W., 225 ft SE. of A. Schneider's house, on concrete post; bronze tablet stamped "PRIM TRAV STA NO 17 LS 1924 IA" (not found, 11-71, KED)	862.903
T. 80 N., R. 22 W., at cor. secs. 15, 16, 21 and 22, 225 ft W. of elbow, W.-S., 80 ft N. and 60 ft W. of schoolhouse, on concrete post; bronze tablet stamped "PRIM TRAV STA NO. 16 LS 1924 IA" (Not found, 10-71, KED)	846.967
T. 80 N., Rs. 22 and 23 W., at cor. secs. 7, 12, 13 and 18, 25 ft S. and 20 ft W. of cross-roads, on concrete post; bronze tablet stamped "PRIM TRAV STA NO 15 LS 1924 IA" (Not found, 10-71, KED)	984.415