

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929 GA

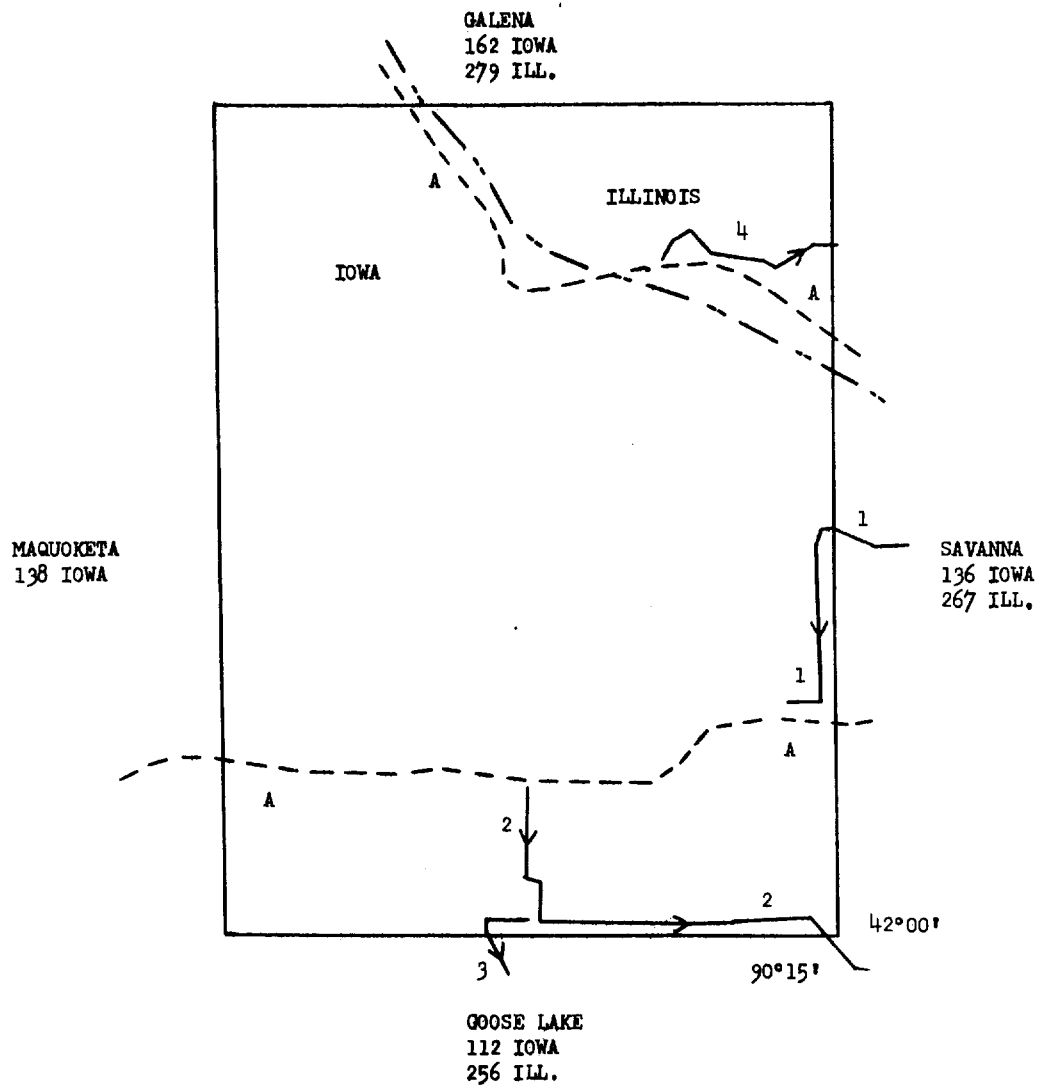
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MILES QUADRANGLE
137 IOWA - 268 ILLINOIS
N4200-W9015/15
DIAGRAM NK 15-6
DUBUQUE, ILL., IOWA, WISC.

Carroll and Jo Daviess Counties,
Illinois; Jackson and Clinton
Counties, Iowa

Edition of 2-6-67

PR: EF/MP/ph



USC&GS LEVELING

A= Quadrangle No. 420902

137 B

2
MILES QUADRANGLE
137 IOWA - 268 ILLINOIS

LINE 1

FEET

SOUTH ALONG CENTRAL PORTION OF EAST BORDER (W. P. Repp, 1966; Book CV-2052)

SAYANNA QUAD. - 136 IOWA, 267 ILL.

- | | | | | |
|---|-----|-----|---|---------|
| 1 | 7 | 5.5 | Sabula, 3.75 mi N. and 4.0 mi W. of; approx. 0.25 mi S. of center of sec. 34, T. 85 N., R. 6 E., 47 ft S., 60 ft E. and 5.3 ft lower than center of U.S. Hwy. 67 at T-rd. N., 1 ft W. of a witness post; in a concrete post, a standard tablet stamped "2 WPR 1966 667" | 666.573 |
| 8 | 5.6 | | Reference Mark, 408 ft W. of tablet, 22 ft N., and 348 ft W. of center of Hwy. 67 at T-rd. N., at a concrete box culvert, on top and center of E. concrete headwall; a Highway Department tablet stamped "I.H.C. RM" | 677.763 |

MILES QUAD. - 137 IOWA, 268 ILL.

- | | | | | |
|----|------|--|---|---------|
| 9 | 6.1 | | Sabula, 4.0 mi N. and 4.5 mi W. of; near quarter cor. between secs. 33 and 34, T. 85 N., R. 6 E., 43 ft N., 17 ft W. and 0.1 ft lower than center of U.S. Hwy. 67 at T-rd. S., 9 ft W. of center of field entrance N., in a concrete post; a U.S.C.E.-A.M.S. tablet stamped "P 2 1953" | 736.451 |
| 10 | 6.7 | | UE P 2 A, 0.6 mi S. of tablet; 9 ft N., 20 ft W., and 0.6 ft lower than center of N.-S. rd. at rd. W., on a 12 in. corrugated metal pipe culvert, 1.1 ft S. of N. end; chiseled square, painted | 796.43 |
| 12 | 7.4 | | Sabula, 2.5 mi N. and 4.5 mi W. of; Miles, 4.0 mi N. and 3.0 mi E. of; near cor. secs. 3, 4, 9 and 10, T. 84 N., R. 6 E., 54 ft N., 31 ft E., and 1.5 ft higher than center of crossroads; 1 ft W. of N.-S. fence, in a concrete post; a standard tablet stamped "3 WPR 1966 816" | 816.494 |
| 13 | 7.4 | | Reference Mark, 90 ft SW. of tablet, 19 ft S. and 20 ft W. of center of crossroads; on a 12 in. corrugated metal pipe culvert, 0.3 ft N. of S. end; chiseled square, painted | 818.23 |
| 15 | 8.4 | | UE 3 A, 1.0 mi S. of tablet, 26 ft N., 28 ft E. and 3.2 ft lower than center of crossroads; on a 24 in. corrugated metal pipe culvert, 0.2 ft S. of N. end; chiseled square, painted | 846.33 |
| 17 | 9.6 | | Miles, 2.0 mi N. and 3.0 mi E. of; near cor. secs. 15, 16, 21 and 22, T. 84 N., R. 6 E., approx. 650 ft SE. of crossroads; 122 ft S. of E.-W. fence, 115 ft ESE. of a lone in. evergreen tree; 1 ft W. of a witness post; a USC&GS Triangulation Station tablet stamped "STERLING 1931" | 892.589 |
| 18 | 10.1 | | UE 3 B, 2.5 mi S. of tablet; 41 ft N., 21 ft W. and 0.8 ft lower than center of State Hwy. 64 at crossing of N.-S. rd.; on a 24 in. concrete culvert, 0.2 ft E. of W. end; chiseled square, painted | 858.72 |
| 19 | 10.7 | | Sabula, 5.2 mi W. along State Hwy. 64 from the Knights of Pythias Hall at; Jackson County, near a private entrance to a field, at a 3 x 3 ft concrete box culvert (rebuilt in 1940) and in the top of the S. concrete headwall; a standard USC&GS disk stamped "S 78 RESET 1940" | 787.214 |

LINE 2

SOUTH THEN EAST ALONG SOUTH BORDER SOUTHEAST QUARTER OF QUADRANGLE (W. P. Repp, 1966; Book CV-2052)

MILES QUAD. - 137 IOWA, 268 ILL.

- | | | | | |
|---|----|-----|---|---------|
| 1 | 21 | 0.0 | Preston, 1.0 mi E. along State Hwy. 64 from the Farmers Mutual Aid Assn. building at; Jackson County, near a rd. intersection at a 32 x 24 ft I-beam bridge (rebuilt in 1940), and in the top of the NE. wingwall; a standard USC&GS disk stamped "Y 78 RESET 1939" | 677.710 |
|---|----|-----|---|---------|

LINE 2 (Cont'd)

FEET

MILES QUAD. - 137 IOWA, 268 ILL.

1	21	0.5	UE 78 A, 0.25 mi S. and 0.25 mi E. of tablet; 22 ft N. and 42 ft W. of center of crossroads; on a 36 in. corrugated metal pipe culvert, 0.7 ft S. of N. end, chiseled square	722.40
22	1.3	UE 78 B, 1.0 mi S. and 0.25 mi E. of tablet; 152 ft S. and 25 ft W. of center of N.-S. rd. at T-rd. E., 14 ft S. of field entrance W., on an 18 in. corrugated metal pipe culvert, 0.1 ft S. of N. end; chiseled square	680.74	
23	2.1	Miles, 1.5 mi S. and 3.0 mi W. of; near quarter cor. between secs. 3 and 4, T. 83 N., R. 5 E., 254 ft S. and 30 ft W. of center of N.-S. rd. at T-rd. W., 1 ft E. of N.-S. fence, in a concrete post; a standard tablet stamped "4 WPR 1966 787"	786.714	
24	2.1	Reference Mark, 211 ft S. of tablet; 465 ft S. and 30 ft W. of center of N.-S. rd. at T-rd. W., in E. side of a power pole; rail spike	790.48	
25	2.8	UE 4 A, 0.5 mi S. and 0.3 mi E. of tablet; 82 ft S. and 40 ft W. of center of E.-W. rd. at T-rd. S., in S. side of a power pole; rail spike	818.42	
26	3.7	Miles, 3.0 mi S. and 2.75 mi W. of; in SW. quarter sec. 10, T. 83 N., R. 5 E., approx. 700 ft N. of E.-W. rd. at T-rd. N., at a steel and concrete bridge, 26 ft N., 10 ft E., and 0.8 ft lower than center of bridge, on NE. concrete wingwall; cemented in a drill hole; a standard tablet stamped "5 WPR 1966 679"	679.271	
28	4.3	UE 5 A, 0.1 mi S. and 0.65 mi E. of tablet; 21 ft S., 13 ft E. and 3.6 ft lower than center of E.-W. rd., at N.-S. field entrance; on a 12 in. corrugated metal pipe culvert, 0.2 ft W. of E. end; chiseled square, painted	783.81	
30	5.4	UE 5 B, 0.1 mi S. and 1.75 mi E. of tablet; 30 ft N., 36 ft W., and 2.0 ft lower than center of crossroads; in S. side of a power pole, rail spike	778.37	
32	6.4	Miles, 3.0 mi S. of; near cor. secs. 7, 12, 13 and 18, T. 83 N., Rs. 5 and 6 E., 47 ft S., 36 ft W. and 1.5 ft lower than center of crossroads; 0.5 ft E. of N.-S. fence, in a concrete post; standard tablet stamped "6 WPR 1966 796"	795.942	
33	6.4	Reference Mark, 91 ft NE. of tablet; 24 ft N. and 25 ft E. of center of crossroads; on an 18 in. corrugated metal pipe culvert, 0.4 ft S. of N. end, chiseled square, painted	797.18	
34	7.4	UE 6 A, 1.0 mi E. of tablet; 35 ft N., 35 ft W. and 0.2 ft higher than center of crossroads; in SE. side of a power pole; Rail spike	781.87	
35	8.2	UE 6 B, 1.75 mi E. of tablet; at a steel and wood bridge, 9 ft N., 21 ft W. and 1.2 ft lower than center of bridge, on NW. steel pier; a chiseled square	712.90	
36	8.9	UE 6 C, 2.5 mi E. of tablet; 25 ft N., 27 ft W., and 1.1 ft lower than center of E.-W. rd. at T-rd. S., on a 36 in. corrugated metal pipe culvert, 0.7 ft E. of W. end; chiseled square	770.80	
37	9.2	Reference Mark, 198 ft NW. of tablet; 333 ft S. and 12 ft E. of center of N.-S. rd. at T-rd. W., on a 30 in. corrugated metal pipe culvert, 0.5 ft W. of E. end, chiseled square	799.12	

4
MILES QUADRANGLE
137 IOWA - 268 ILLINOIS

LINE 2 (Cont'd)

FEET

MILES QUAD. - 137 IOWA, 268 ILL.

- 1 38 9.2 Miles, 3.1 mi S. and 2.75 mi E. of; Teeds Grove, 0.6 mi S. and 0.75 mi W. of; in NE. quarter sec. 16, T. 83 N., R. 6 E., at NE. cor. of a cemetery; 25 ft S. of center of E.-W. rd., 134 ft E. of extended center of N.-S. rd., 1 ft N. and 2 ft W. of fence cor. post; in a concrete post; a standard tablet stamped "7 WPR 1966 805" 804.727
- 39 10.1 UE 7 A, 0.8 mi E. of tablet; at a steel and concrete bridge; 47 ft S., 13 ft W., and 0.1 ft higher than center of bridge, on SW. concrete wing-wall; a chiseled square 693.34

GOOSE LAKE QUAD. - 112 IOWA, 256 ILL.

- 40 10.9 UE 7 B, 0.8 mi E., thence 0.8 mi S. from tablet; 17 ft N., 29 ft E., and 1.9 ft lower than center of N.-S. blacktop rd. at T-rd. E., on a 36 in. corrugated metal pipe culvert, 0.2 ft S. of N. end; chiseled square 728.61

LINE 3

WEST AND SOUTH AT SOUTH CENTRAL BORDER (W. P. Repp, 1966; Book CV-2052)

MILES QUAD. - 137 IOWA, 268 ILL.

- 2 2 0.0 "5 WPR 1966 679" (Described in Line 2) 679.271
- 0.6 UE 5 AA, 0.2 mi S. and 0.4 mi W. of tablet; at a steel bridge, 9 ft N., 25 ft E., and 1.0 ft lower than center of bridge, on NE. concrete wingwall, a chiseled square 670.61
- 3 1.4 Goose Lake, 2.5 mi N. and 0.5 mi W. of; near cor. secs. 8, 9, 16 and 17, T. 83 N., R. 5 E., 46 ft S., 15 ft W., and 1.2 ft higher than center of N.-S. rd. at T-rd. E., at a concrete bridge, on N. end of W. concrete guard wall, cemented in a drill hole; a brass disk stamped "664.47 1964" Elevation by USGS. Established by unknown agency. 663.90

GOOSE LAKE QUAD. - 112 IOWA, 256 ILL.

- 4 2.5 UE 5 BB, 1.2 mi S. and 0.75 mi W. of tablet; near quarter cor. between secs. 16 and 21, T. 83 N., R. 5 E., 78 ft S., 15 ft E., and 0.3 ft lower than center of NW.-SE. blacktop rd. at T-rd. E., at a 4 ft. concrete culvert, on top and center of E. concrete headwall, chiseled square 673.51
- 5 3.0 Goose Lake, 1.0 mi N. of; near center of sec. 21, T. 83 N., R. 5 E., 33 ft N., 20 ft E., and 0.3 ft lower than center of N.-S. blacktop rd. at T-rd. W., at a concrete box culvert, on S. end of E. concrete headwall; cemented in a drill hole, a standard tablet stamped "11 WPR 1966 680" 680.486
- 6 4.1 UE 11 A, 1.1 mi S. of tablet; at Goose Lake, 15 ft S., 67 ft W., and 0.1 ft higher than center of State Hwy. 136 at blacktop rd. N., at a concrete box culvert, on top and center of S. concrete headwall, a chiseled square 683.86

LINE 4

GENERALLY EAST IN NORTHEAST QUARTER OF QUADRANGLE (S. R. Archer, 1934; Book B-5853-4)

MILES QUAD. - 137 IOWA, 268 ILL.

- Whitton, 2.0 mi SW. of, on Savanna Proving Grounds, 0.2 mi SE. of mouth of Crooked Slough, in SE. angle of jct. of river rd. and rd. E., 328 ft below grove of maple trees, 394 ft above 20 in. blazed locust tree on E. side of river rd.; Mississippi River Comm. EM 171/2
- Cap on iron pipe 619.470
Bolt in tile 615.460

LINE 4 (Cont'd)

FEET

MILES QUAD. - 137 IOWA, 268 ILL.

Whitton, 1.5 mi SW. of, on Savanna Proving Grounds, 0.5 mi N. of Mississippi River Comm. EM 171/2, 0.8 mi due N. of highest prominent sand mound along river, 150 ft E. of old fence cor. at jct. of old E.-W. fence and fence S., on W. slope near top of sand ridge; Mississippi River Comm. EM 171/1	Cap on iron pipe Bolt in tile	657.290 653.290
Whitton, 0.5 mi SW. of, on Savanna Proving Grounds, at entrance to enclosure known as "Gate A", 30 ft W. of gate, on S. side of driveway and RR. track, inside enclosure and directly N. of NW. cor. of guardhouse, on top of W. square concrete end post of wall around N. and E. sides of guardhouse; chiseled square		612.25
Whitton, 200 ft N. of station, at W. right-of-way fence line of C. B. & Q. RR., 100 ft S. of section foreman's house, on N. side of gate at entrance to Savanna Proving Grounds, 3 ft E. of fence; Mississippi River Comm. triangulation station "HANOVER"	Cap on iron pipe Chiseled square in tile	612.660 608.672
Whitton, at station, in front of operator's window, on E. side of C. B. & Q. RR. tracks, on SW. cor. of concrete base of semaphore block; chiseled square		612.13
Whitton, 1.2 mi SE. of, 215 ft SE. of milepost 157, on SE. end of SW. headwall of concrete RR. culvert 156-97; chiseled square		604.46
Whitton, 2.2 mi SE. of, in E ₁ sec. 33, T. 26 N., R. 2 E., 425 ft SE. of milepost 156, 140 ft S. of S. track, 20 ft N. of Savanna Proving Grounds RR., 65 ft S. of hwy., in old N.-S. fence line, in root on NW. side of large forked elm tree; copper nail and washer		606.49
Whitton, 1.5 mi S. and 2.0 mi E. from, in NW ₄ sec. 34, T. 26 N., R. 2 E., 23 ft S. and 35 ft W. from junction of rd. S., 15 ft W. of intersection of fence lines S. and W., on N. side of fence, in concrete post; standard tablet stamped "1934 627"		627.052
Whitton, 1.2 mi S. and 3.0 mi E. from, about 0.2 mi E. of NW. cor. sec. 35, T. 26 N., R. 2 E., 250 ft SW. of rd. junction, at SW. end of hwy. bridge over Apple River, on S. end of E. concrete wing and retaining wall; chiseled square		604.78

THIRD-ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

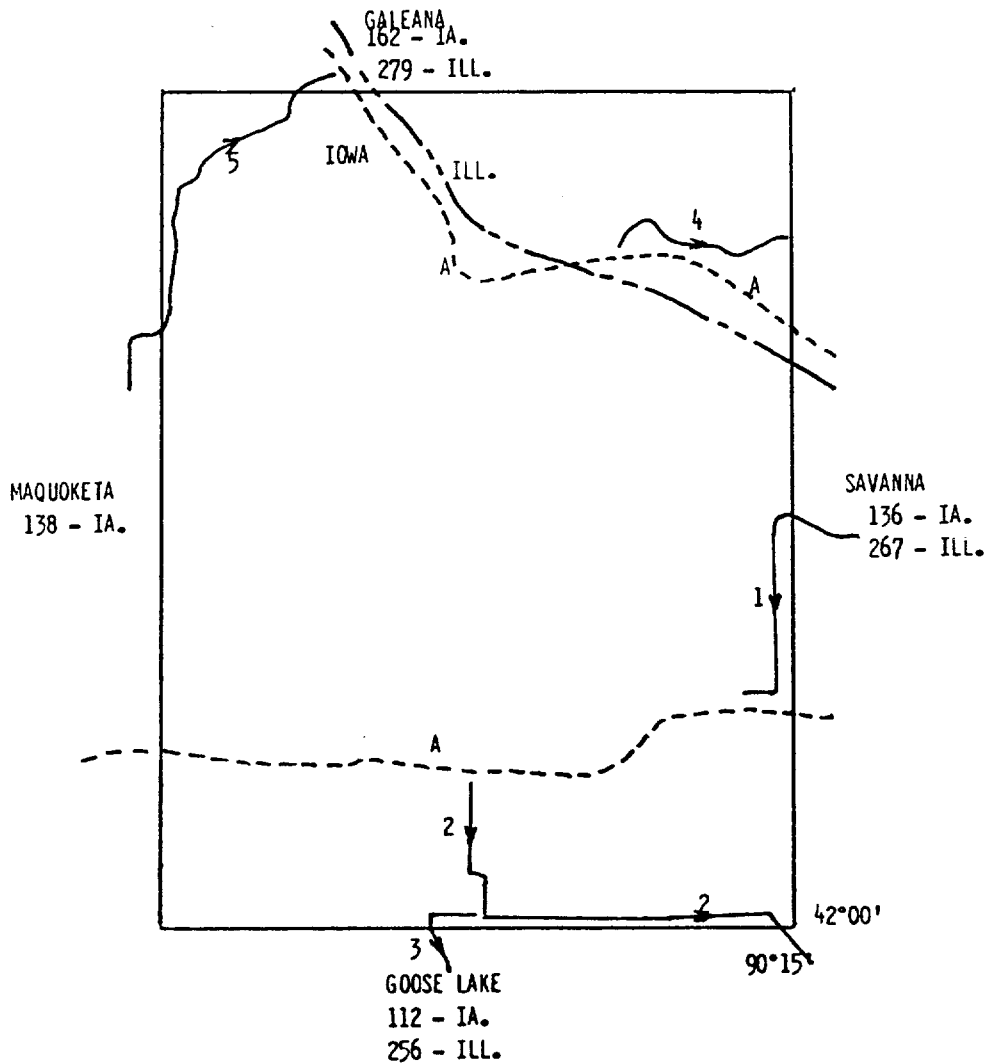
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Carroll and Jo Daviess Counties, Illinois
Jackson and Clinton Counties, Iowa

42-090-23
MILES QUADRANGLE
137 - IOWA
268 - ILLINOIS
N4200-W9015/15
DIAGRAM NK 15-6
DUBUQUE

Edition of: 6-20-78

PR: 6-20-78



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

A. Quadrangle No. 420902

137 B

LINE 1

W.P. Repp, 1966; Book CV-2052

SAVANNA QUAD. - 136 IOWA, 267 ILL.

- 1 7 5.5 Sabula, 3.75 mi N. and 4.0 mi W. of; approx. 0.25 mi S. of center of sec. 34, T. 85 N., R. 6 E., 47 ft S., 60 ft E. and 5.3 ft lower than center of U.S. Hwy. 67 at T-rd. N., 1 ft W. of a witness post; in a concrete post, a standard tablet stamped "2 WPR 1966 667" 666.573
- 8 5.6 Reference Mark, 408 ft W. of tablet, 22 ft N., and 348 ft W. of center of Hwy. 67 at T-rd. N., at a concrete box culvert, on top and center of E. concrete headwall; a Highway Department tablet stamped "I.H.C. BM" 677.763

MILES QUAD. - 137 IOWA, 268 ILL.

- 9 6.1 Sabula, 4.0 mi N. and 4.5 mi W. of; near quarter cor. between secs. 33 and 34, T. 85 N., R. 6 E., 43 ft N., 17 ft W. and 0.1 ft lower than center of U.S. Hwy. 67 at T-rd. S., 9 ft W. of center of field entrance N., in a concrete post; a U.S.C.E.-A.M.S. tablet stamped "P 2 1953" 736.451
- 10 6.7 UE P 2 A, 0.6 mi S. of tablet; 9 ft N., 20 ft W., and 0.6 ft lower than center of N.-S. rd. at rd. W., on a 12 in. corrugated metal pipe culvert, 1.1 ft S. of N. end; chiseled square, painted 796.43
- 12 7.4 Sabula, 2.5 mi N. and 4.5 mi W. of; Miles, 4.0 mi N. and 3.0 mi E. of; near cor. secs. 3, 4, 9 and 10, T. 84 N., R. 6 E., 54 ft N., 31 ft E., and 1.5 ft higher than center of crossroads; 1 ft W. of N.-S. fence, in a concrete post; a standard tablet stamped "3 WPR 1966 816" 816.494
- 13 7.4 Reference Mark, 90 ft SW. of tablet, 19 ft S. and 20 ft W. of center of crossroads; on a 12 in. corrugated metal pipe culvert, 0.3 ft N. of S. end; chiseled square, painted 818.23
- 15 8.4 UE 3 A, 1.0 mi S. of tablet, 26 ft N., 28 ft E. and 3.2 ft lower than center of crossroads; on a 24 in. corrugated metal pipe culvert, 0.2 ft S. of N. end; chiseled square, painted 846.33
- 17 9.6 Miles, 2.0 mi N. and 3.0 mi E. of; near cor. secs. 15, 16, 21 and 22, T. 84 N., R. 6 E., approx. 650 ft SE. of crossroads; 122 ft S. of E.-W. fence, 115 ft ESE. of a lone 44 in. evergreen tree; 1 ft W. of a witness post; a USC&GS Triangulation Station tablet stamped "STERLING 1931" 892.589
- 18 10.1 UE 3 B, 2.5 mi S. of tablet; 41 ft N., 21 ft W. and 0.8 ft lower than center of State Hwy. 64 at crossing of N.-S. rd., on a 24 in. concrete culvert, 0.2 ft E. of W. end; chiseled square, painted 858.72
- 19 10.7 Sabula, 5.2 mi W. along State Hwy. 64 from the Knights of Pythias Hall at; Jackson County, near a private entrance to a field, at a 3 x 3 ft concrete box culvert (rebuilt in 1940) and in the top of the S. concrete headwall; a standard USC&GS disk stamped "S 78 RESET 1940" 787.214

LINE 2

W.P. Repp, 1966; Book CV-2052

MILES QUAD. - 137 IOWA, 268 ILL.

- 1 21 0.0 Preston, 1.0 mi E. along State Hwy. 64 from the Farmers Mutual Aid Assn. building at; Jackson County, near a rd. intersection at a 32 x 24 ft I-beam bridge (rebuilt in 1940), and in the top of the NE. wingwall; a standard USC&GS disk stamped "Y 78 RESET 1939" 677.710

LINE 2 (Cont'd)

FEET

MILES QUAD. - 137 IOWA, 268 ILL.

- | | | | | |
|----|-----|---|--|--------|
| 1 | 21 | 0.5 | UE 78 A, 0.25 mi S. and 0.25 mi E. of tablet; 22 ft N. and 42 ft W. of center of crossroads; on a 36 in. corrugated metal pipe culvert, 0.7 ft S. of N. end, chiseled square | 722.40 |
| 22 | 1.3 | UE 78 B, 1.0 mi S. and 0.25 mi E. of tablet; 152 ft S. and 25 ft W. of center of N.-S. rd. at T-rd. E., 14 ft S. of field entrance W., on an 18 in. corrugated metal pipe culvert, 0.1 ft S. of N. end; chiseled square | 680.74 | |
| 23 | 2.1 | Miles, 1.5 mi S. and 3.0 mi W. of; near quarter cor. between secs. 3 and 4, T. 83 N., R. 5 E., 254 ft S. and 30 ft W. of center of N.-S. rd. at T-rd. W., 1 ft E. of N.-S. fence, in a concrete post; a standard tablet stamped "4 WPR 1966 787" | 786.714 | |
| 24 | 2.1 | Reference Mark, 211 ft S. of tablet; 465 ft S. and 30 ft W. of center of N.-S. rd. at T-rd. W., in E. side of a power pole; rail spike | 790.48 | |
| 25 | 2.8 | UE 4 A, 0.5 mi S. and 0.3 mi E. of tablet; 82 ft S. and 40 ft W. of center of E.-W. rd. at T-rd. S., in S. side of a power pole; rail spike | 818.42 | |
| 26 | 3.7 | Miles, 3.0 mi S. and 2.75 mi W. of; in SW. quarter sec. 10, T. 83 N., R. 5 E., approx. 700 ft N. of E.-W. rd. at T-rd. N., at a steel and concrete bridge, 26 ft N., 10 ft E., and 0.8 ft lower than center of bridge, on NE. concrete wingwall; cemented in a drill hole; a standard tablet stamped "5 WPR 1966 679" | 679.271 | |
| 28 | 4.3 | UE 5 A, 0.1 mi S. and 0.65 mi E. of tablet; 21 ft S., 13 ft E. and 3.6 ft lower than center of E.-W. rd., at N.-S. field entrance; on a 12 in. corrugated metal pipe culvert, 0.2 ft W. of E. end; chiseled square, painted | 783.81 | |
| 30 | 5.4 | UE 5 B, 0.1 mi S. and 1.75 mi E. of tablet; 30 ft N., 36 ft W., and 2.0 ft lower than center of crossroads; in S. side of a power pole, rail spike | 778.37 | |
| 32 | 6.4 | Miles, 3.0 mi S. of; near cor. secs. 7, 12, 13 and 18, T. 83 N., R. 5 and 6 E., 47 ft S., 36 ft W. and 1.5 ft lower than center of crossroads; 0.5 ft E. of N.-S. fence, in a concrete post; standard tablet stamped "6 WPR 1966 796" | 795.942 | |
| 33 | 6.4 | Reference Mark, 91 ft NE. of tablet; 24 ft N. and 25 ft E. of center of crossroads; on an 18 in. corrugated metal pipe culvert, 0.4 ft S. of N. end, chiseled square, painted | 797.18 | |
| 34 | 7.4 | UE 6 A, 1.0 mi E. of tablet; 35 ft N., 35 ft W. and 0.2 ft higher than center of crossroads; in SE. side of a power pole; Rail spike | 781.87 | |
| 35 | 8.2 | UE 6 B, 1.75 mi E. of tablet; at a steel and wood bridge, 9 ft N., 21 ft W. and 1.2 ft lower than center of bridge, on NW. steel pier; a chiseled square | 712.90 | |
| 36 | 8.9 | UE 6 C, 2.5 mi E. of tablet; 25 ft N., 27 ft W., and 1.1 ft lower than center of E.-W. rd. at T-rd. S., on a 36 in. corrugated metal pipe culvert, 0.7 ft E. of W. end; chiseled square | 770.80 | |
| 37 | 9.2 | Reference Mark, 198 ft NW. of tablet; 333 ft S. and 12 ft E. of center of N.-S. rd. at T-rd. W., on a 30 in. corrugated metal pipe culvert, 0.5 ft W. of E. end, chiseled square | 799.12 | |

LINE 2 (Cont'd)

FEET

MILES QUAD. - 137 IOWA, 268 ILL.

- 1 38 9.2 Miles, 3.1 mi S. and 2.75 mi E. of; Teeds Grove, 0.6 mi S. and 0.75 mi W. of; in NE. quarter sec. 16, T. 83 N., R. 6 E., at NE. cor. of a cemetery; 25 ft S. of center of E.-W. rd., 134 ft E. of extended center of N.-S. rd., 1 ft N. and 2 ft W. of fence cor. post; in a concrete post; a standard tablet stamped "7 WPR 1966 805" 804.727
- 39 10.1 UE 7 A, 0.8 mi E. of tablet; at a steel and concrete bridge; 47 ft S., 13 ft W., and 0.1 ft higher than center of bridge, on SW. concrete wing-wall; a chiseled square 693.34

GOOSE LAKE QUAD. - 112 IOWA, 256 ILL.

- 40 10.9 UE 7 B, 0.8 mi E., thence 0.8 mi S. from tablet; 17 ft N., 29 ft E., and 1.9 ft lower than center of N.-S. blacktop rd. at T-rd. E., on a 36 in. corrugated metal pipe culvert, 0.2 ft S. of N. end; chiseled square 728.61

LINE 3

W.P. Repp, 1966; Book CV-2052

MILES QUAD. - 137 IOWA, 268 ILL.

- 2 2 0.0 "5 WPR 1966 679" (Described in Line 2) 679.271
- 0.6 UE 5 AA, 0.2 mi S. and 0.4 mi W. of tablet; at a steel bridge, 9 ft N., 25 ft E., and 1.0 ft lower than center of bridge, on NE. concrete wingwall, a chiseled square 670.61
- 3 1.4 Goose Lake, 2.5 mi N. and 0.5 mi W. of; near cor. secs. 8, 9, 16 and 17, T. 83 N., R. 5 E., 46 ft S., 15 ft W., and 1.2 ft higher than center of N.-S. rd. at T-rd. E., at a concrete bridge, on N. end of W. concrete guard wall, cemented in a drill hole; a brass disk stamped "664.47 1964" Elevation by USGS. Established by unknown agency. 663.90

GOOSE LAKE QUAD. - 112 IOWA, 256 ILL.

- 4 2.5 UE 5 BB, 1.2 mi S. and 0.75 mi W. of tablet; near quarter cor. between secs. 16 and 21, T. 83 N., R. 5 E., 78 ft S., 15 ft E., and 0.3 ft lower than center of NW.-SE. blacktop rd. at T-rd. E., at a 4 ft. concrete culvert, on top and center of E. concrete headwall, chiseled square 673.51
- 5 3.0 Goose Lake, 1.0 mi N. of; near center of sec. 21, T. 83 N., R. 5 E., 33 ft N., 20 ft E., and 0.3 ft lower than center of N.-S. blacktop rd. at T-rd. W., at a concrete box culvert, on S. end of E. concrete headwall; cemented in a drill hole, a standard tablet stamped "11 WPR 1966 680" 680.486
- 6 4.1 UE 11 A, 1.1 mi S. of tablet; at Goose Lake, 15 ft S., 67 ft W., and 0.1 ft higher than center of State Hwy. 136 at blacktop rd. N., at a concrete box culvert, on top and center of S. concrete headwall, a chiseled square 683.86

LINE 4

FEET

T.P. Adams, 1977; Book CV-3402

MAQUOKETA QUAD. - 138

- 54 13.1 BM, Andrew; 1.7 mi N. and 4.3 mi E. of; 1 mi N. and 2 mi W. of Springbrook; T. 85 N.; R. 4 E., about 300 ft N. of the corner of secs. 8, 9, 16 and 17; 34 ft S. and 58 ft E. and 1.1 ft higher than a T-rd. E.; 1 ft W. of a fence corner; 0.6 ft N. of a witness sign; inside a 6-in. plastic drain tile; on top of a copper coated steel rod; a standard N.G.S. tablet stamped "4 TPA 1977" 873.067
- MILES QUAD. - 137
- 56 13.6 UE 4 A, 0.5 mi E. of tablet; T. 85 N., R. 4 E., near the quarter cor. between secs. 9 and 16; 14 ft N. and 247 ft W. and 19.2 ft lower than a T-rd. W.; on top of the N. end of a 2 ft corrugated metal culvert; a punched hole 851.66
- 60 14.3 UE 4 B, 0.5 mi E. thence 0.7 mi N.-NE. along road from tablet, T. 85 N., R. 4 E., about 0.3 mi S. and 0.3 mi W. of the corner of sec. 3, 4, 9 and 10; 8 ft N. and 13 ft E. and 0.2 ft lower than center of a small wooden bridge; 12.6 ft higher than drain; on top of the SW. most one of three support posts for the NE. wooden wingwall of bridge; a copper nail and washer 779.47
- 64 15.5 UE 4 C, 2.4 mi NE. along roads from tablet; about 0.2 mi S. of corner of sec. 3 and 4; T. 85 N.; R. 4 E. and secs. 33 and 34; T. 86 N., R. 4 E.; 8 ft W. of and level with the center of a small wooden bridge; 10 ft higher than the drain; on the center of the W. edge of the floor of the bridge; a copper nail and washer 787.19
- 67 16.5 BM, Springbrook, 3.5 mi N. and 1 mi W. of; 3.2 mi S. and 36 mi W. of Bellevue; T. 86 N., R. 4 E.; near the center of the E $\frac{1}{2}$ of sec. 33; 59 ft NE. and 60 ft NW. and 5.5 ft lower than T-rd. SE.; 1.5 ft SE. of a power pole and witness tag; inside a 6-in. clay drain tile; on top of a copper coated steel rod; a standard tablet stamped "5 TPA 1977" 958.664
- 68 16.5 Reference mark, 17 ft NE. of tablet; 77 ft NE. and 60 ft NW. and 7 ft lower than T-rd. SE.; 0.5 ft W. of a steel fence post; on top of a 4-in. concrete post which projects 7-in. above ground; top of a steel re-enforcement rod 957.16
- 70 17.4 UE 5 A, 0.9 mi NE. along road from tablet; T. 86 N., R. 4 E.; about 0.2 mi E. of the quarter cor. between secs. 27 and 28; 58 ft S. and 18 ft E. and 1.3 ft lower than T-rd. S.; on top of the E. end of a 3 ft concrete pipe culvert; a chiseled square 926.52
- 72 18.5 UE 5 B, 2 mi NE. along road from tablet; T. 86 N., R. 4 E., near the cor. of secs. 22, 23, 26 and 27, 40 ft SE. and 18 ft NE. and 3.5 ft lower than road at drive SE.; on top of the NE. end of an 18-in. corrugated metal culvert; a punched hole 878.42
- 74 19.4 BM, Bellevue; 1.2 mi S. and 1.6 mi W. of; T. 86 N., R. 4 E.; about 0.1 mi S. and 0.2 mi E. of the center of secs. 23, 113 ft SE. and 52 ft NE. and 0.9 ft higher than road at drive SE.; 1 ft SW. of a fence corner; inside a 6-in. clay drain tile; on top of a copper coated steel rod; a standard tablet stamped "6 TPA 1977" 861.213
- 75 19.4 Reference mark, 67 ft S. of tablet; 135 ft SE. and 9 ft SW. and 1.5 ft lower than road at drive SE.; near the SW. end of a double metal gate; on top of the SW. end of the NW. concrete base of a cattle guard; a chiseled square 858.85
- 77 20.3 UE 6 A, 1 mi NE. along road from tablet; T. 86 N., R. 4 E.; about 0.1 mi N. and 0.3 mi E. of the cor. of secs. 13, 14, 23 and 24; about 250 ft SW. of a T-rd. NW.; 25 ft SE. and 66 ft SW. and 0.1 ft lower than the center of a bridge; 19.9 ft higher than the water; 0.3 ft NE. of a concrete guard rail; on the SE. edge of the concrete curb of bridge; a chiseled square 836.81

LINE 4 (Cont'd)

MILES QUAD. - 137

FEET

- 2 20.9 UE 6 B, 1.5 mi NE. along road from tablet; T. 86 N., R. 4 E.; about 0.35 mi N. and 0.1 mi W. of the SE. cor. of sec. 13, 42 ft N. and 16 ft W. and 1.1 ft higher than hwy. at T-street N.; on top of the N. end of the W. concrete curb; a chiseled square 635.57
- 4 22.0 BM, about 0.4 mi N. along U.S. Hwys. 52 and 67 from the junction of the hwy. and State Hwy. 62 at Bellevue at the SW. cor. of the intersection of the hwy. and Sylvan Street, 30.5 ft W. of the centerline of the hwy., 32 ft S. of the centerline of Sylvan Street, 4.7 ft S. of the S. edge of an E.-W. sidewalk, 1.3 ft W. of the W. edge of a N. and S. sidewalk; about 1 ft above the level of the street, and is a Mississippi River Commission cap on the top of an iron pipe projecting 2-in., it is stamped "PBM 306 (USE) RESET 1970" 622.341

ISOLATED BENCH MARKS

- Whitton, 2 mi SW. of, on Savanna Proving Grounds, 0.2 mi SE. of mouth of Crooked Slough, in SE. angle of junction of river road and road E., 328 ft below grove of maple trees, 394 ft above 20-in. blazed locust tree on E. side of river road; Mississippi River Comm. BM 171/2
Cap on iron pipe 619.470
Bolt in tile 615.460
- Whitton, 1.5 mi SW. of, on Savanna Proving Grounds, 0.5 mi N. of Mississippi River Comm. BM 171/2
0.8 mi due N. of highest prominent sand mound along river, 150 ft E. of old fence corner at junction of old E.-W. fence and fence S., on W. slope near top of sand ridge; Mississippi River Comm. BM 171/1
Cap on iron pipe 657.290
Bolt in tile 653.290
- Whitton, 0.5 mi SW. of, on Savanna Proving Grounds, at entrance to enclosure known as Gate "A", 30 ft W. of gate, on S. side of driveway and RR. track, inside enclosure and directly N. of NW. cor. of guardhouse, on top of W. square concrete end post of wall around N. and E. sides of guardhouse; chiseled square 612.25
- Whitton, 200 ft N. of station, at W. right-of-way fence line of C.B. & Q. RR., 100 ft S. of section foreman's house, on N. side of gate at entrance to Savanna Proving Grounds, 3 ft E. of fence; Mississippi River Comm. triangulation station "HANOVER"
Cap on iron pipe 612.660
Chiseled square in tile 608.672
- Whitton, at station, in front of operator's window, on E. side of C.B. & Q. RR. tracks, on SW. cor. of concrete base of semaphore block; chiseled square 612.13
- Whitton, 1.2 mi SE. of, 215 ft SE. of milepost 157, on SE. end of SW. headwall of concrete RR. culvert 156-97; chiseled square 604.46
- Whitton, 1.5 mi S. and 2 mi E. from, in NW $\frac{1}{4}$ sec. 34, T. 26 N., R. 2 E., 23 ft S. and 35 ft W. from junction of road S., 15 ft W. of intersection of fence lines S. and W., on N. side of fence, in concrete post; standard tablet stamped "1934 627" 627.052
- Whitton, 1.2 mi S. and 3 mi E. from, about 0.2 mi E. of NW. cor. sec. 35, T. 26 N., R. 2 E., 250 ft SW. of road junction, at SW. end of hwy. bridge over Apple River, on S. end of E. concrete wing and retaining wall; chiseled square 604.78