



**Figure 8.** Profile of the June 2002 flood for the Maquoketa River, Iowa; river miles 90 to 113.

## 18 Flood of June 4-5, 2002, in the Maquoketa River Basin, East-Central, Iowa

**Table 5.** Elevations of high-water marks used in the June 2002 flood profile for the Maquoketa River, Iowa.

[HWM, high-water mark; NGVD 29, elevation data are referenced to the National Geodetic Vertical Datum of 1929; --, not determined]

| <b>Distance<br/>upstream from<br/>mouth of<br/>Maquoketa River<br/>(river miles)</b> | <b>Site description</b>                                                          | <b>Downstream<br/>HWM<br/>(feet above<br/>NGVD 29)</b> | <b>Upstream<br/>HWM<br/>(feet above<br/>NGVD 29)</b> |
|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------|
| 2.20                                                                                 | U.S. Highway 52, NW of Green Island                                              | 601.11                                                 | --                                                   |
| 11.22                                                                                | County Road Z20/387th Avenue, N of Spragueville                                  | 621.58                                                 | 624.40                                               |
| 19.51                                                                                | County Road E23Y/Iron Bridge Road, SE of Andrew                                  | 638.31                                                 | 639.15                                               |
| 27.60                                                                                | USGS gaging station 05418500, State Highway 62, NE of Maquoketa                  | 660.05                                                 | 660.05                                               |
| 31.72                                                                                | U.S. Highway 61, Maquoketa                                                       | 666.85                                                 | 667.58                                               |
| 32.61                                                                                | Lakehurst Dam, W of Maquoketa                                                    | <sup>1</sup> 669.27                                    | 679.72                                               |
| 40.26                                                                                | 74th Street, NE of Baldwin                                                       | 696.66                                                 | 696.79                                               |
| 47.06                                                                                | 30th Avenue, N of Monmouth                                                       | 715.06                                                 | 715.41                                               |
| 59.02                                                                                | Temple Hill Road, NW of Canton                                                   | 740.50                                                 | 740.76                                               |
| 61.86                                                                                | State Highway 136, NE of Scotch Grove                                            | 745.96                                                 | 748.17                                               |
| 66.84                                                                                | Ebys Mill Road, NE of Scotch Grove                                               | 762.57                                                 | 763.82                                               |
| 81.50                                                                                | Old U.S. Highway 151/Main Street, Monticello                                     | 806.03                                                 | 807.63                                               |
| 83.00                                                                                | State Highway 38, Monticello                                                     | 810.40                                                 | 811.82                                               |
| 92.17                                                                                | County Road D47/Marion Street, SW of Hopkinton                                   | 842.24                                                 | 842.24                                               |
| 101.58                                                                               | County Road X31/230th Avenue crossing Lake Delhi dam, SW of Delhi                | 870.81                                                 | 898.12                                               |
| 103.58                                                                               | County Road X29/220th Avenue, SW of Delhi                                        | 898.82                                                 | 898.85                                               |
| 109.40                                                                               | County Road X21/240th Street, SE of Manchester                                   | 903.39                                                 | 904.41                                               |
| 113.25                                                                               | USGS gaging station 05416900, eastbound lane of U.S. Highway 20, S of Manchester | 918.76                                                 | --                                                   |

<sup>1</sup>High-water mark provided by Iowa Department of Natural Resources.

**8502W-03 SE (1)**--Approximately 3 mi northeast of Scotch Grove, on Ebys Mill Road bridge over Maquoketa River, on right downstream wingwall; chiseled cross. Elevation determined using GPS.

**Elevation 771.02 ft**

**8502W-03 SE (2)**--(REFERENCE POINT) Approximately 3 mi northeast of Scotch Grove, on Ebys Mill Road bridge over Maquoketa River, on 21st guardrail post from right downstream end of bridge; three filed marks. Elevation determined using GPS.

**Elevation 771.47 ft**

**8603W-22 SE (1)**--At Monticello, on old U.S. Highway 151/Main Street bridge over Maquoketa River, on outside curb behind guardwall at left upstream end of bridge; Iowa Department of Transportation bench mark.

**Elevation 813.68 ft**

**8603W-22 SE (2)**--(REFERENCE POINT) At Monticello, on old U.S. Highway 151/Main Street bridge over Maquoketa River, on concrete platform behind 7th drain from left downstream end of bridge; chiseled square.

**Elevation 814.16 ft**

**8603W-16 NE (1)**--At Monticello, on State Highway 38 bridge over Maquoketa River, on left upstream wingwall; Iowa Department of Transportation bench mark. Elevation provided by Iowa Department of Transportation.

**Elevation 823.96 ft**

**8603W-16 NE (2)**--(REFERENCE POINT) At Monticello, on State Highway 38 bridge over Maquoketa River, on concrete platform right of 21st metal bracket from right downstream end of bridge and across from center of 3rd and 4th drains from right upstream end of bridge; chiseled square.

**Elevation 824.68 ft**

**8704W-24 NW (1)**--Approximately 0.5 mi southwest of Hopkinton, on County Road D47/Marion Street bridge over southern channel of Maquoketa River, on left downstream end of sidewalk concrete barrier wall; Delaware County bench mark. Elevation of bench mark on bridge surveyed by USGS from elevation southwest of bridge provided by Delaware County Engineer's Office.

**Elevation 846.90 ft**

**8804W-30 NE (1)**--Approximately 1.5 mi southwest of Delhi, on County Road X31/230th Avenue crossing Lake Delhi dam on Maquoketa River, on end of right downstream wingwall; chiseled cross. Elevation determined using GPS.

**Elevation 907.37 ft**

**8804W-30 NW (1)**--Approximately 2 mi southwest of Delhi, on County Road X29/220th Avenue bridge over Lake Delhi, on corner of wingwall near guardrail at left downstream end of bridge; chiseled square. Elevation determined using GPS.

**Elevation 906.33 ft**

**8804W-30 NW (2)**--(REFERENCE POINT) Approximately 2 mi southwest of Delhi, on County Road X29/220th Avenue bridge over Lake Delhi, on metal guardrail between 11th and 12th guardrail posts from right downstream end of bridge; three filed marks. Elevation determined using GPS.

**Elevation 911.45 ft**

**8805W-15 NE (1)**--Approximately 4 mi southeast of Manchester, on County Road X21/240th Street bridge over Maquoketa River, on corner of wingwall near guardrail at right upstream end of bridge; chiseled square. Elevation determined using GPS.

**Elevation 915.58 ft**

**8805W-15 NE (2)**--(REFERENCE POINT) Approximately 4 mi southeast of Manchester, on County Road X21/240th Street bridge over Maquoketa River, on metal guardrail behind 3rd drain from right downstream end of bridge; three filed marks. Elevation determined using GPS.

**Elevation 917.32 ft**

**8905W-33 SW (1)**--Approximately 0.5 mi south of Manchester, on eastbound lane of U.S. Highway 20 bridge over Maquoketa River (downstream bridge), on left upstream abutment; Iowa Department of Transportation bench mark. (RM 1)

**Elevation 938.14 ft**

**8905-33 SW (2)**--Approximately 0.5 mi south of Manchester, on eastbound lane of U.S. Highway 20 bridge over Maquoketa River (downstream bridge), on left downstream abutment; chiseled square. (RM 2)

**Elevation 938.34 ft**

## **North Fork Maquoketa River**

**8402E-13 NE (1)**--Approximately 1 mi north of Maquoketa, on Rockdale Road bridge over North Fork Maquoketa River, on right downstream wingwall; Iowa Department of Transportation bench mark. Elevation determined using GPS.

**Elevation 674.39 ft**

**8402E-13 NE (2)**--(REFERENCE POINT) Approximately 1 mi north of Maquoketa, on Rockdale Road bridge over North Fork Maquoketa River, on guardrail about 3 inches right of 28th guardrail post from left downstream end of bridge; three filed marks. Elevation determined using GPS.

**Elevation 675.24 ft**

**8502E-25 NE (1)**--Approximately 0.5 mi south of Fulton, on southbound lane of U.S. Highway 61 bridge over North Fork Maquoketa River (upstream bridge), on left downstream wingwall; Iowa Department of Transportation bench mark. Elevation supplied by Iowa Department of Transportation.

**Elevation 699.52 ft**