



Base from U.S. Geological Survey
Des Moines NW, Iowa, 1:24,000, 1956, interim revision 1967, 1971, and 1976
Des Moines NE, Iowa, 1:24,000, 1956, interim revision 1967, 1971, and 1976
Des Moines SW, Iowa, 1:24,000, 1956, interim revision 1967, 1971, and 1976
Des Moines SE, Iowa, 1:24,000, 1956, interim revision 1967, 1971, and 1976
Boundary of FEMA 100-year Flood from Federal Emergency Management Agency (1979, 1981, 1982a-b, 1984a-b, 1987, 1992a-d)

- EXPLANATION**
- Area inundated by flood of June 18 through August 4, 1993
 - Boundary of area inundated by flood of June 18 through August 4, 1993
 - Boundary of FEMA 100-year flood
 - Boundary of study area
 - Water-surface elevation measurement sites—Number is maximum water-surface elevation for flood of June 18 through August 4, 1993, in feet. Datum is sea level.
 - 829.03 U.S. Army Corps of Engineers
 - 811.64 U.S. Geological Survey
 - 828.2 National Weather Service
 - 824.1 City of West Des Moines
 - 833.0 City of Johnston
 - 760.7 City of Des Moines
 - 200 River-mile markers—Number is number of river miles upstream from mouth of the Des Moines River

SCALE 1:24,000
1 MILE
1 KILOMETER
CONTOUR INTERVAL, 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Figure 8. Boundary of area inundated by the flood of June 18 through August 4, 1993, Federal Emergency Management Agency (FEMA) 100-year flood boundary, and maximum water-surface elevations at selected sites.

Figure 9. Map showing source of flood-extent information and index to U.S. Geological Survey maps used in figure 8 base map.

DELINEATION OF FLOODING WITHIN THE UPPER MISSISSIPPI RIVER BASIN—FLOOD OF JUNE 18 THROUGH AUGUST 4, 1993, IN DES MOINES AND VICINITY, IOWA

By
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