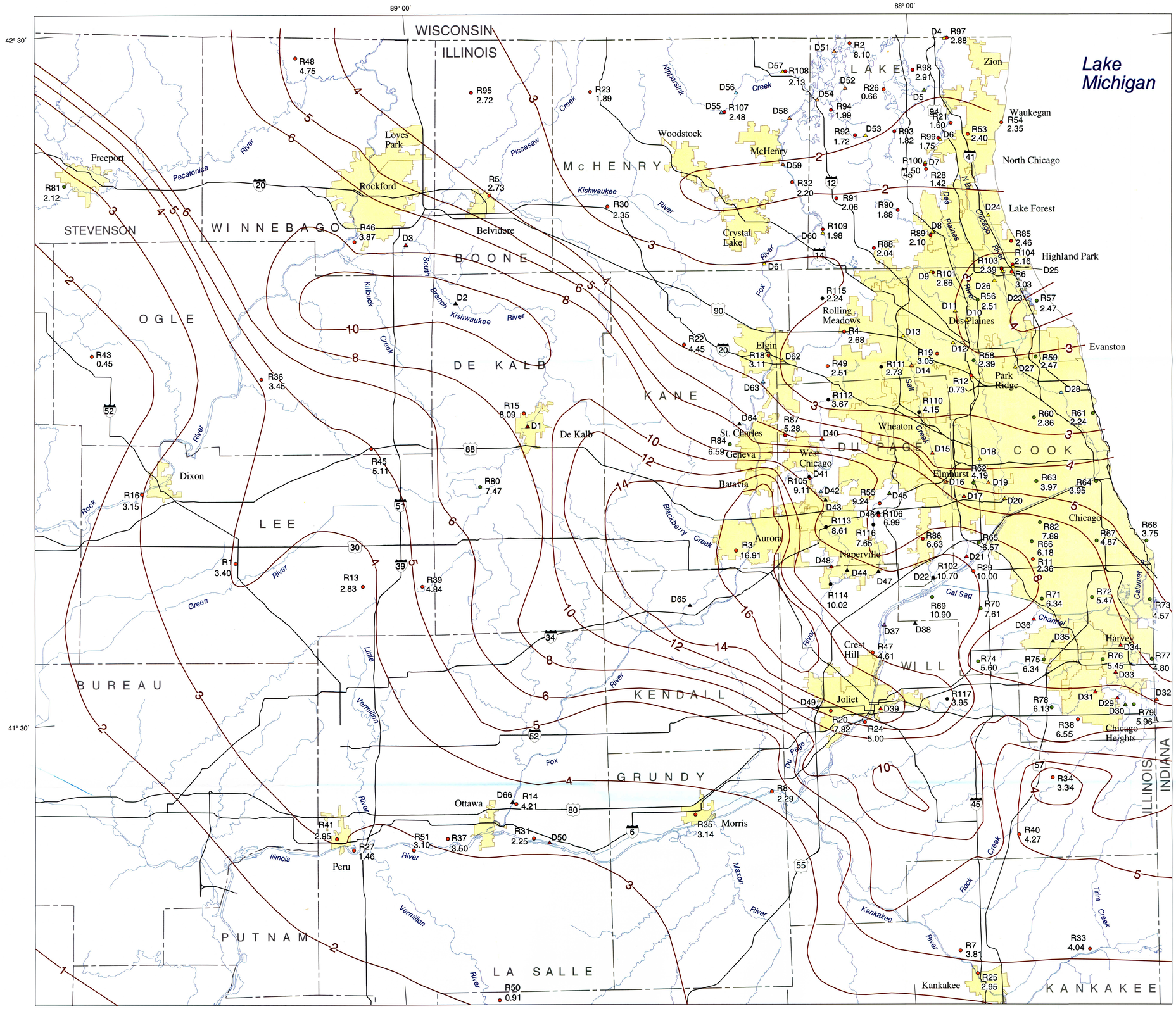
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
ILLINOIS DEPARTMENT OF NATURAL RESOURCES,
OFFICE OF WATER RESOURCES

OPEN–FILE REPORT 97–425
Rainfall and flood frequency values for Northern Illinois – PLATE 1
Holmes, R.R. Jr. and Kupka, A.L., 1997, Floods of July 18–20, 1996, in Northern Illinois



EXPLANATION

URBAN AREA

—3— LINE OF EQUAL RAINFALL--Interval, in inches, is variable. Contour lines were drawn based on weather radar data and from observations of point rainfall recorded at raingages

RAIN GAGE--Color indicates operating agency

- National Weather Service
- U.S. Geological Survey
- Illinois State Water Survey
- Miscellaneous
- Illinois Department of Natural Resources, Office of Water Resources

R60 2.540 RAIN GAGE MAP REFERENCE NUMBER AND TOTAL RAINFALL, IN INCHES--See table 1

STREAMFLOW–GAGING STATION--Color indicates flood frequency, in years

- Less than 2
- Greater than 2
- Greater than 5
- Greater than 10
- Greater than 25
- Greater than 50
- Greater than 100
- Frequency unavailable
- Gage height only
- Regulated flow

D43 STREAMFLOW–GAGING STATION MAP REFERENCE NUMBER--See table 2

Base from U.S. Geological Survey
1:100,000 and 1:2,000,000 Digital Data
Albers Equal–Area Conic projection
Standard parallels 33° and 45°, central meridian –89°

0 15 30 MILES
0 15 30 KILOMETERS

Isohyets from Chagnon, S.A., 1997, Illinois State Water Survey

RAIN–GAGE LOCATIONS, POINT–RAINFALL OBSERVATIONS, RAINFALL ISOHYETS, U.S. GEOLOGICAL SURVEY STREAMFLOW–GAGING STATION LOCATIONS, AND FLOOD–FREQUENCY ESTIMATES, IN THE NORTHERN ILLINOIS FLOOD AREA

By
R.R. Holmes, Jr. and A.L. Kupka
1997