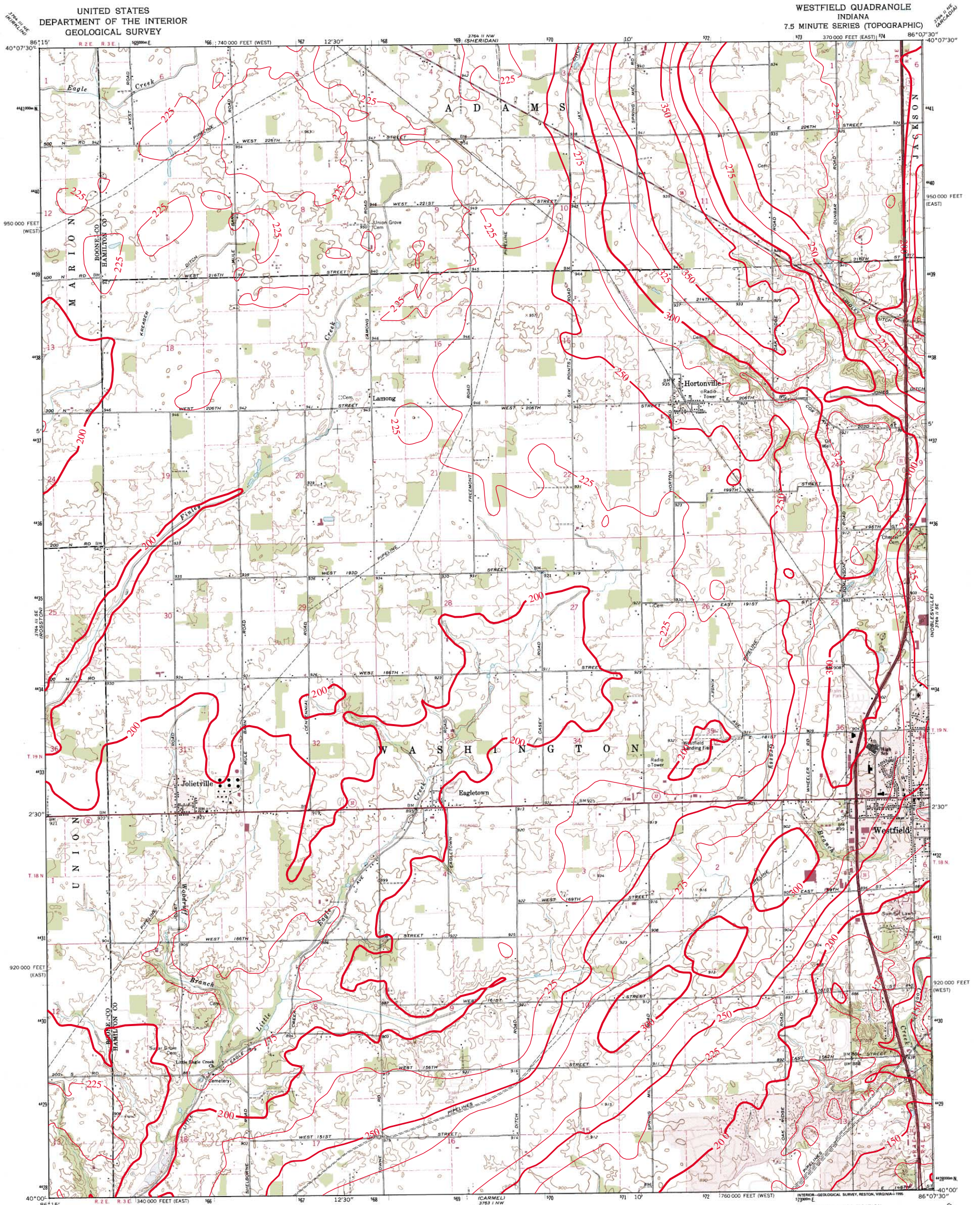
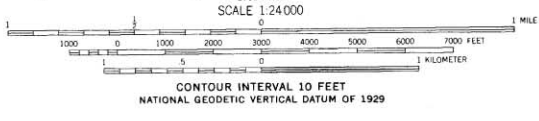
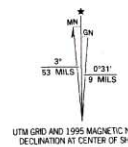


THICKNESS OF UNCONSOLIDATED DEPOSITS OF WESTFIELD QUADRANGLE, INDIANA



Produced by the United States Geological Survey
 Revised in cooperation with Indiana Department of Natural Resources
 Compiled by photogrammetric methods from imagery dated 1953
 Topography by planetable surveys 1953. Revised from imagery dated 1969. Field checked 1969
 North American Datum of 1927 (NAD 27)
 Projection: Indiana coordinate system, east zone
 (transverse Mercator)
 10 000-foot ticks: Indiana coordinate system, east and west zones
 Blue 1000-meter Universal Transverse Mercator ticks, zone 16
 North American Datum of 1983 (NAD 83) is shown by dashed corner ticks. The values of the shift between NAD 27 and NAD 83 for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software



CONTOUR INTERVAL 10 FEET
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

ROAD CLASSIFICATION
 Primary highway, hard surface
 Secondary highway, hard surface
 Light-duty road, hard or improved surface
 Unimproved road
 Interstate Route
 U. S. Route
 State Route

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
 FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
 AND INDIANA DEPARTMENT OF NATURAL RESOURCES, INDIANAPOLIS, INDIANA 46204
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

WESTFIELD, IN
 40086-A2-TF-024
 1992
 DMA 3764 II SW-SERIES V851

This map showing thickness of unconsolidated deposits was created by Glenn E. Grove, IDNR, Division of Water, Ground Water Section. The digital elevation grid of the bedrock surface was subtracted from the grid of the land surface and the resultant grid contoured in ArcInfo. The land surface elevation grid is from 1:24,000 scale digital hypsography by the U.S. Geological Survey, Reston, Virginia, 1999 and 2001. The bedrock surface elevation grid is from a digital map of the bedrock surface topography of Boone County. The bedrock surface contouring was done by Tim Kroeker, Basin Studies Section, Division of Water, IDNR, 1997.

Unconsolidated thickness contour interval = 25 feet (shown in red).



Map generated by Glenn E. Grove
 IDNR, Division of Water, Ground Water Section
 October 26, 2002