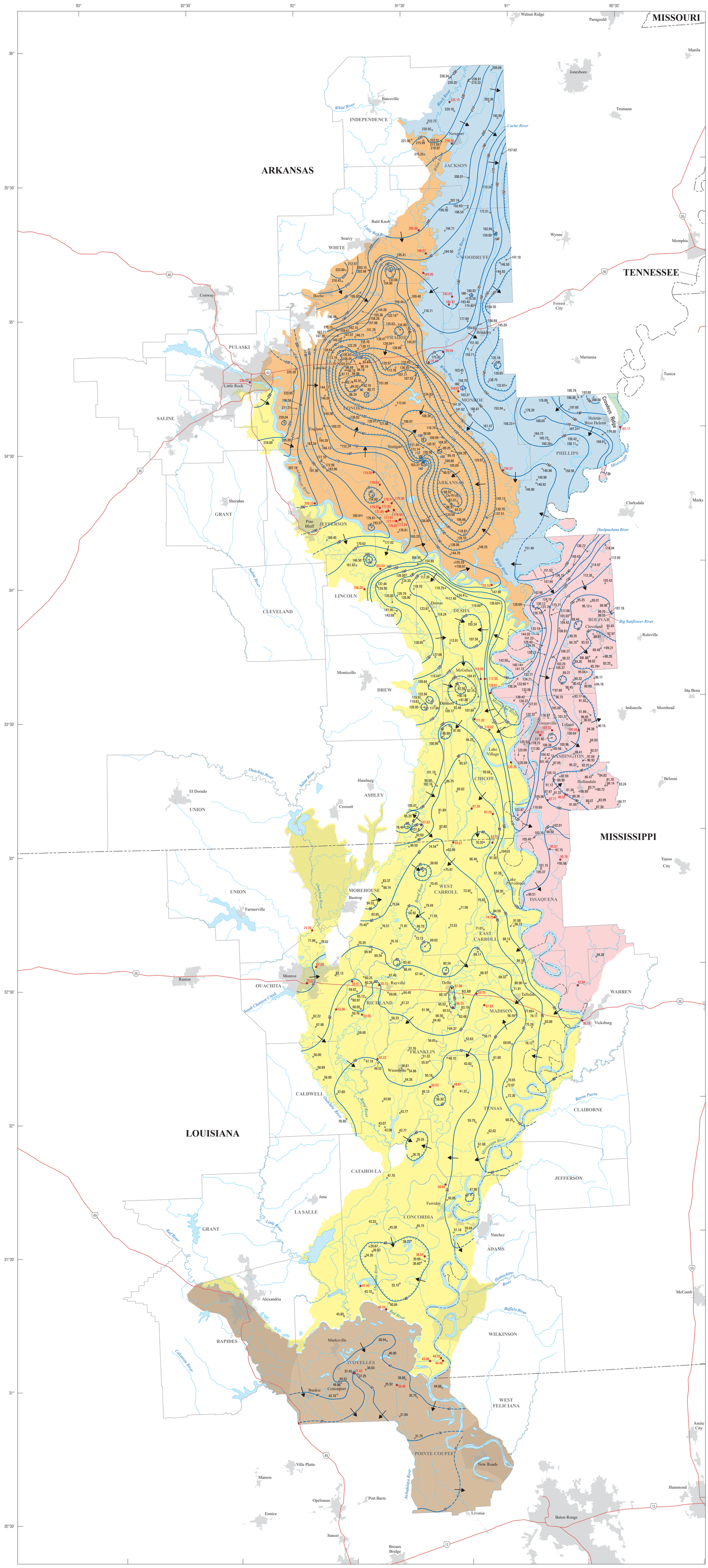
U.S. Department of the Interior
U.S. Geological Survey

Scientific Investigations Map 3478
Sheet 3 of 5
Pamphlet accompanies map



EXPLANATION

Mississippi Alluvial Plain (MAP) region

- St. Francis
- Cache
- Grand Prairie
- Delta
- Boeuf

Area of the Mississippi River Valley alluvial aquifer (MRVA) with insufficient groundwater-altitude data, 2020

Urban area

State boundary

County or parish boundary

Potentiometric contour—Shows altitude at which water level would have stood in tightly cased wells (spring 2020). Dashed where approximately located. Hachures indicate depression. Contour interval 10 feet. Datum is North American Vertical Datum of 1988

Regional groundwater-flow direction, spring 2020

134.55 **Well in a groundwater-monitoring network with a groundwater altitude that was used in the spring 2020 potentiometric-surface map, MRVA**

180.43 **Streamgage with surface-water altitude that was used in the spring 2020 potentiometric-surface map, MRVA**

Base from U.S. Geological Survey digital data, 1:1,000,000 and 1:2,000,000 variously dated
Highways from National Highway Planning Network, various scales, 2014
Urban areas from U.S. Census Bureau, 1:500,000, 2016
Albers_NHG projection
Standard parallels 45°30′N. and 29°30′N., central meridian 96°00′N.
World Geodetic Survey of 1984

0 10 20 30 40 MILES
0 10 20 30 40 KILOMETERS

Current extent of the MRVA from Painter and Westerman, 2018
MAP regions from Ladd and Travers, 2019
Well and streamgage locations and water-level-altitude values from U.S. Geological Survey, 2020a, 2020b

Potentiometric-Surface Map, Mississippi River Valley Alluvial Aquifer (MRVA), Spring 2020, and Associated Groundwater and Surface-Water Control Points for the Boeuf and Grand Prairie Regions in the Mississippi Alluvial Plain (MAP)

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