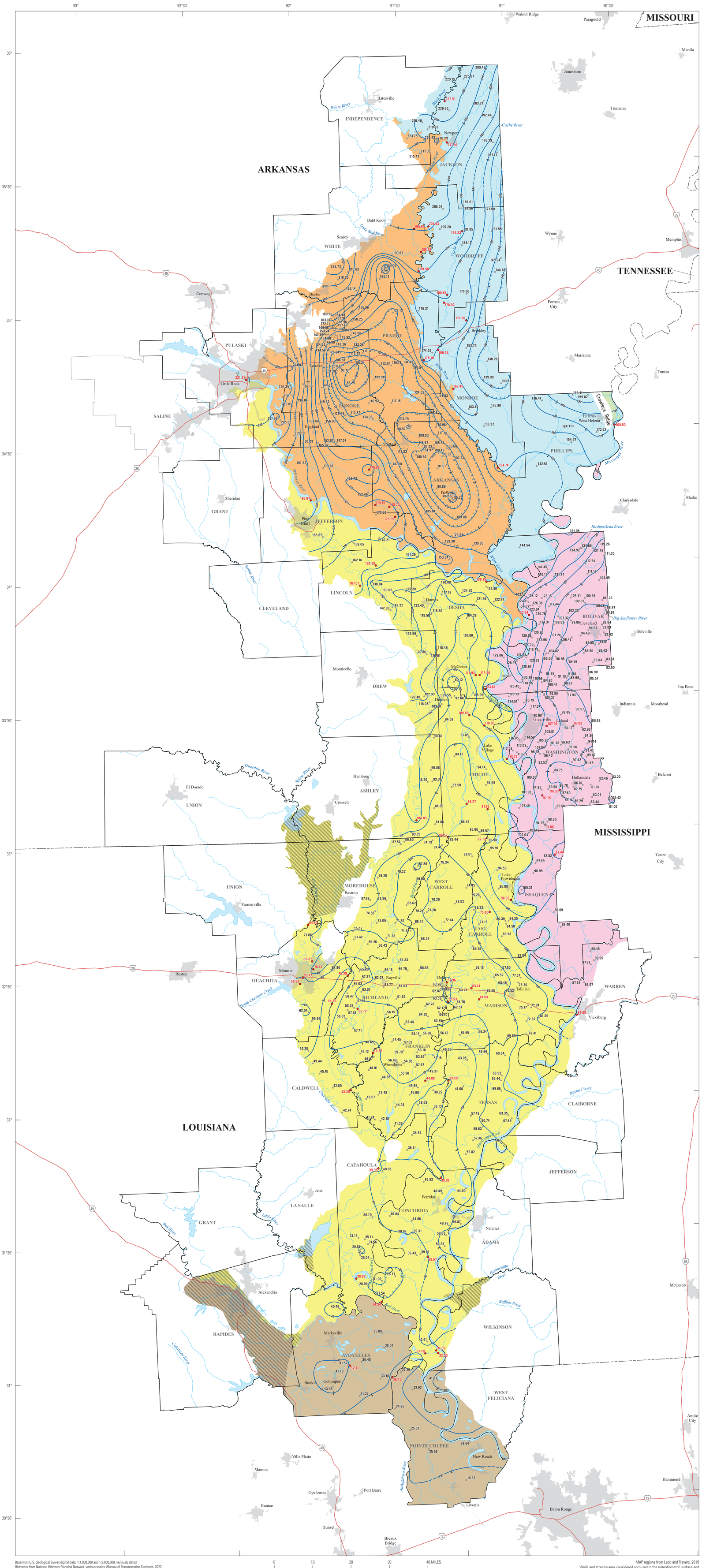
Scientific Investigations Map 3532
Sheet 3 of 5
Pamphlet accompanies map



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, 2022

Urban area

State boundary

County or parish boundary

Potentiometric contour—Shows altitude at which water level would have stood in tightly cased wells (spring 2022). Dashed where approximately located. Hachures indicate depression. Contour interval 10 feet. Datum is North American Vertical Datum of 1988

Regional groundwater-flow direction, spring 2022

Well in a groundwater-monitoring network with a groundwater altitude that was used in the spring 2022 potentiometric-surface map, MRVA

Streamgage with surface-water altitude that was used in the spring 2022 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, (Bureau of Transportation Statistics, 2022)
Urban areas from U.S. Census Bureau, 1:500,000 (U.S. Census Bureau, 2023)
Albers National Hydrogeologic Grid projection
Standard parallels 45°30' N. and 29°30' N.,
central meridian 96°00' W.
World Geodetic Survey of 1984

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

MAP regions from Ladd and Travers, 2019
Wells and streamgages considered and used in the potentiometric surface and depth to water maps for MRVA, spring 2022 (McGuire and others, 2025)
Current extent of the MRVA from Painter and Westerman, 2018
Streamgage locations from U.S. Army Corps of Engineers, 2023
Streamgage locations from U.S. Geological Survey, 2023b
Well locations from U.S. Geological Survey, 2023a

Potentiometric-Surface Map, Mississippi River Valley Alluvial Aquifer, Spring 2022, and Associated Groundwater and Surface-Water Control Points for the Boeuf and Grand Prairie Regions in the Mississippi Alluvial Plain

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