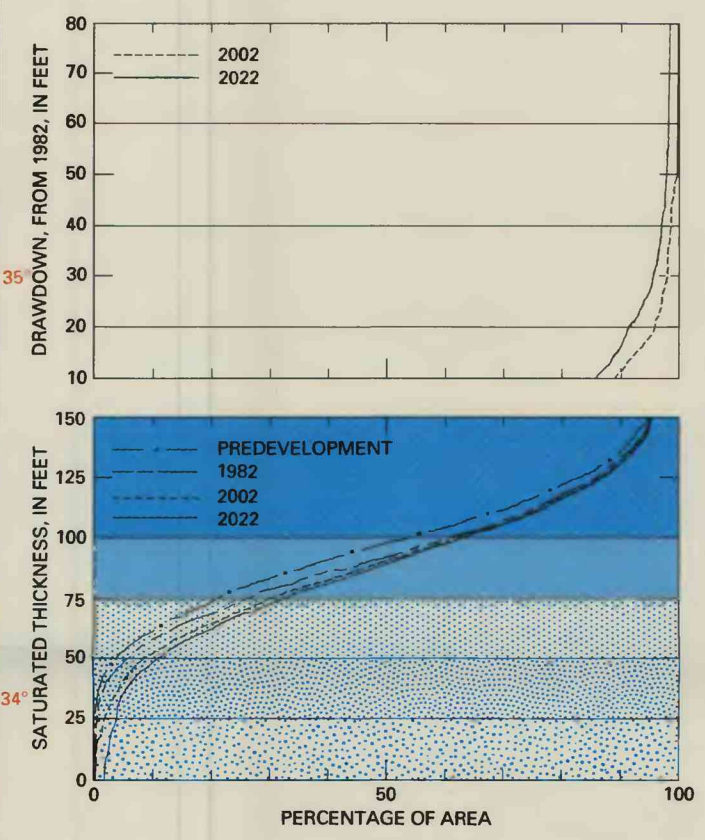
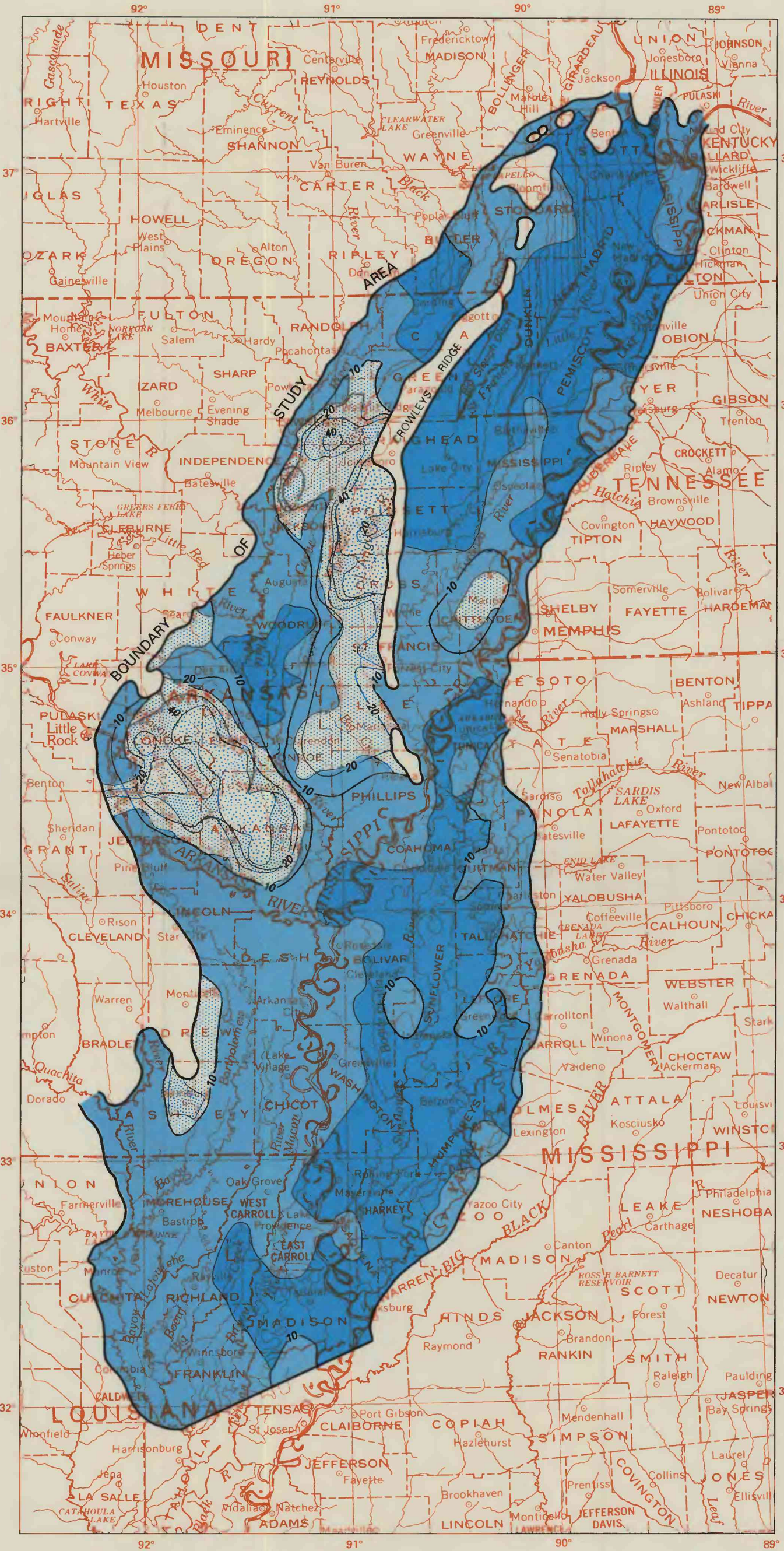


EXPLANATION
POTENTIAL EFFECTS IN AREAS OF DECREASED SATURATED THICKNESS—Saturated thickness projected for year 2022
 [Pattern 1] Unable to support development (saturated thickness 0 to 25 feet)
 [Pattern 2] Severe effects possible (saturated thickness 25 to 50 feet)
 [Pattern 3] Moderate effects possible (saturated thickness 50 to 75 feet)
NO OBSERVED EFFECTS—Saturated thickness and drawdown projected for year 2022
 [Pattern 4] Less than optimum potential for development and less than moderate effects possible
 [Pattern 5] Optimum potential for development (saturated thickness greater than 100 feet)

—20— LINE OF EQUAL DRAWDOWN FROM 1982 WATER LEVELS—Projected to year 2022. Interval 20 feet with supplemental contour at 10 feet

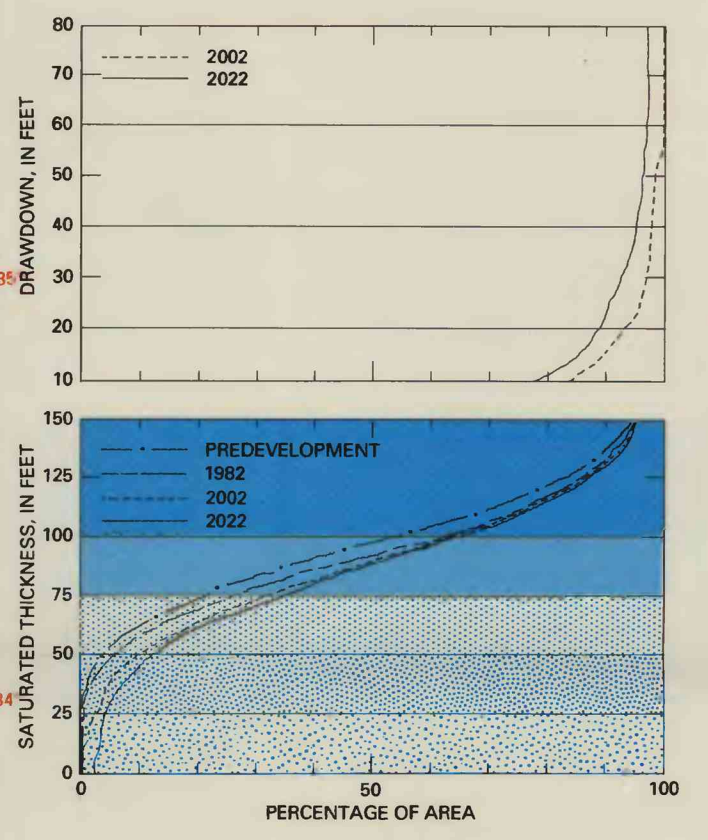


POTENTIAL FOR SUSTAINING CURRENT GROUND-WATER PUMPAGE

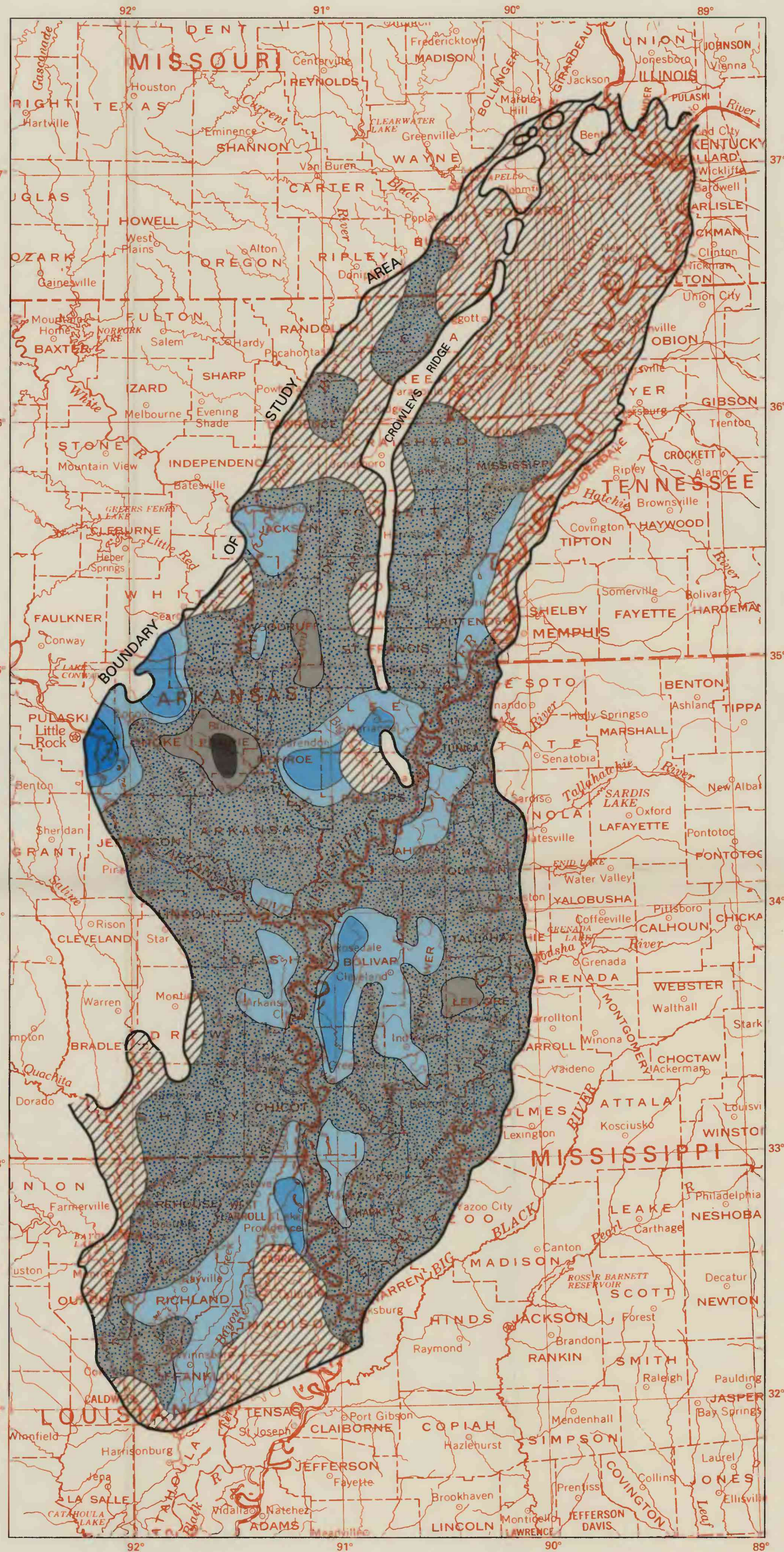


EXPLANATION
POTENTIAL EFFECTS IN AREAS OF DECREASED SATURATED THICKNESS—Saturated thickness projected for year 2022
 [Pattern 1] Unable to support development (saturated thickness 0 to 25 feet)
 [Pattern 2] Severe effects possible (saturated thickness 25 to 50 feet)
 [Pattern 3] Moderate effects possible (saturated thickness 50 to 75 feet)
NO OBSERVED EFFECTS—Saturated thickness and drawdown projected for year 2022
 [Pattern 4] Less than optimum potential for development and less than moderate effects possible
 [Pattern 5] Optimum potential for development (saturated thickness greater than 100 feet)

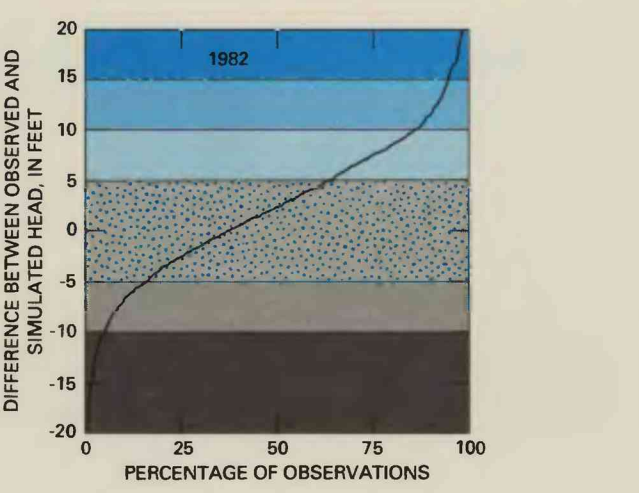
—20— LINE OF EQUAL DRAWDOWN FROM 1982 WATER LEVELS—Projected to year 2022. Interval 20 feet with supplemental contour at 10 feet



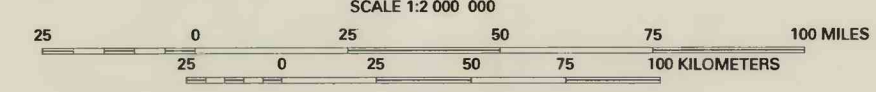
POTENTIAL FOR ADDITIONAL GROUND-WATER PUMPAGE



EXPLANATION
APPROXIMATE DIFFERENCE, IN FEET, BETWEEN OBSERVED AND SIMULATED HEAD FOR 1982—Negative values are simulated heads higher than observed heads
 [Color 1] Greater than 15
 [Color 2] 10 to 15
 [Color 3] 5 to 10
 [Color 4] -5 to 5
 [Color 5] -5 to -10
 [Color 6] Less than -10
 [Hatched] AREA WHERE DATA ARE TOO SPARSE TO INTERPRET



DIFFERENCE BETWEEN OBSERVED AND SIMULATED 1982 HYDRAULIC HEAD



Base from U.S. Geological Survey, United States, 1972, 1:2,500,000

MAPS SHOWING POTENTIAL FOR SUSTAINING CURRENT GROUND-WATER PUMPAGE AND FOR ADDITIONAL GROUND-WATER PUMPAGE, AND DIFFERENCE BETWEEN OBSERVED AND SIMULATED 1982 HYDRAULIC HEAD, MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER