



Based as far as possible on field investigations made by the U. S. Geological Survey, Ground Water Branch, in cooperation with the State agencies, except in Missouri. Information for Missouri supplied by Missouri Geological Survey and Water Resources. Limits of yield and depth to water level in unstudied areas estimated on basis of best geologic and hydrologic data available but are subject to revision. Map is intended only as a convenient guide to the approximate depth to ground water and to its general availability for domestic, municipal, industrial, and irrigation use; hence, should be useful in connection with the preliminary planning of water-supply projects. More detailed information for most areas is obtainable from the district offices of the Ground Water Branch, U. S. Geological Survey, at Denver, Colo.; Albuquerque, N. Mex.; Lawrence, Kans.; Norman, Okla.; Austin, Tex.; Little Rock, Ark.; and Baton Rouge, La.; or from the State geological surveys.

**LIMITS OF YIELD**  
Areas in which properly located (as by test drilling) and properly constructed wells generally are capable of yielding amounts of water within the limits specified, which is of a chemical quality generally satisfactory for most ordinary uses (excludes local areas in which large yields of salty or otherwise highly mineralized ground water may be available).  
Does not indicate total quantity of ground water that may be safely developed perennially from any given area or ground-water reservoir; determinations of total quantity generally can be made only on basis of special investigations of particular areas.  
Solid lines separate areas designated below where ground-water data are adequate to indicate a definite boundary; dashed lines indicate indefinite or estimated boundaries.

**QUANTITY GENERALLY AVAILABLE PER WELL, AS QUALIFIED**  
More than 500 gallons per minute  
50-500 gallons per minute  
Less than 50 gallons per minute; water table discontinuous or absent, or data on depth incomplete

**DEPTH TO WATER LEVEL**  
Designated only for areas in which known or estimated yields are more than 50 gallons per minute per well  
Less than 50 feet  
50-100 feet  
100-200 feet  
More than 200 feet  
Yield known, but data on depth to water level incomplete

Prepared by S. W. Lohman and V. M. Burtis with the assistance of the district offices of the Ground Water Branch, Water Resources Division, U. S. Geological Survey, 1953

GENERAL AVAILABILITY OF GROUND WATER AND DEPTH TO WATER LEVEL IN THE ARKANSAS, WHITE, AND RED RIVER BASINS

