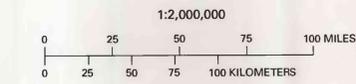
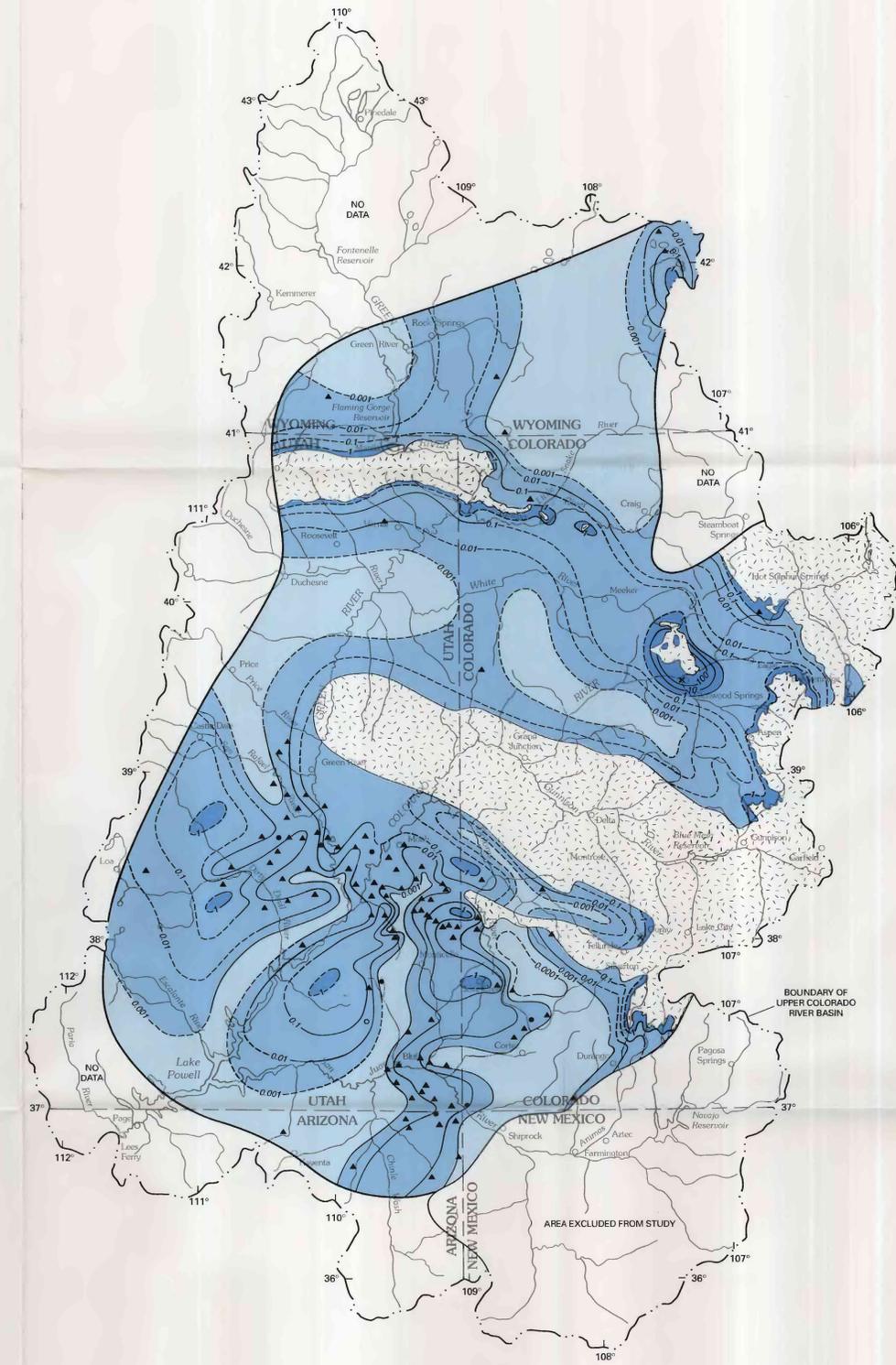


UNIT-AVERAGED POROSITY



UNIT-AVERAGED HYDRAULIC CONDUCTIVITY

EXPLANATION

Area where the Redwall-Leadville zone is missing because of erosion or nondeposition

Unit-Averaged Porosity

—s— Line of equal estimated unit-averaged porosity—Location is approximate. Interval is 1 percent

•^{4.4} Site at which unit-averaged porosity was estimated as the mean of laboratory-determined values in a borehole interval at least 100 feet thick and representative of the lithology of the Redwall-Leadville zone at the site—Number shown is mean porosity in the interval, in percent

×^{5.4} Site at which unit-averaged porosity was estimated as the median of geophysically determined values in a borehole interval at least 100 feet thick—Number shown is median porosity in the interval, in percent

Unit-Averaged Hydraulic Conductivity

Relative unit-averaged hydraulic conductivity

Large
Moderate
Small

—0.01— Line of equal estimated unit-averaged hydraulic conductivity—Dashed where approximately located. Interval, in feet per day, is variable

Limit of data

Data sites

- ▲ Site at which estimate was based on permeability determined by a drill-stem test
- Site at which estimate was based on the mean of laboratory-determined permeability values in a borehole interval
- Site at which estimate was based on the average of hydraulic-conductivity values determined by pressure-injection tests in a borehole interval
- × Site at which estimate was based on transmissivity determined by a pumping or flowing-well test

UNIT-AVERAGED POROSITY AND HYDRAULIC CONDUCTIVITY OF THE REDWALL-LEADVILLE ZONE OF THE MADISON AQUIFER IN THE UPPER COLORADO RIVER BASIN AND VICINITY IN ARIZONA, COLORADO, NEW MEXICO, UTAH, AND WYOMING

By Arthur L. Geldon 2002