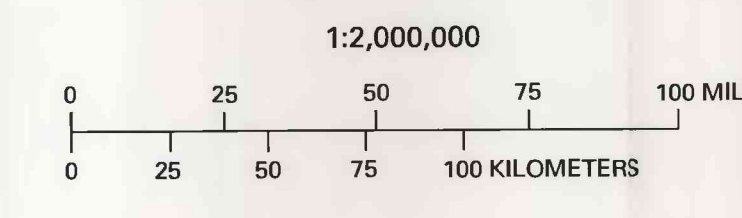
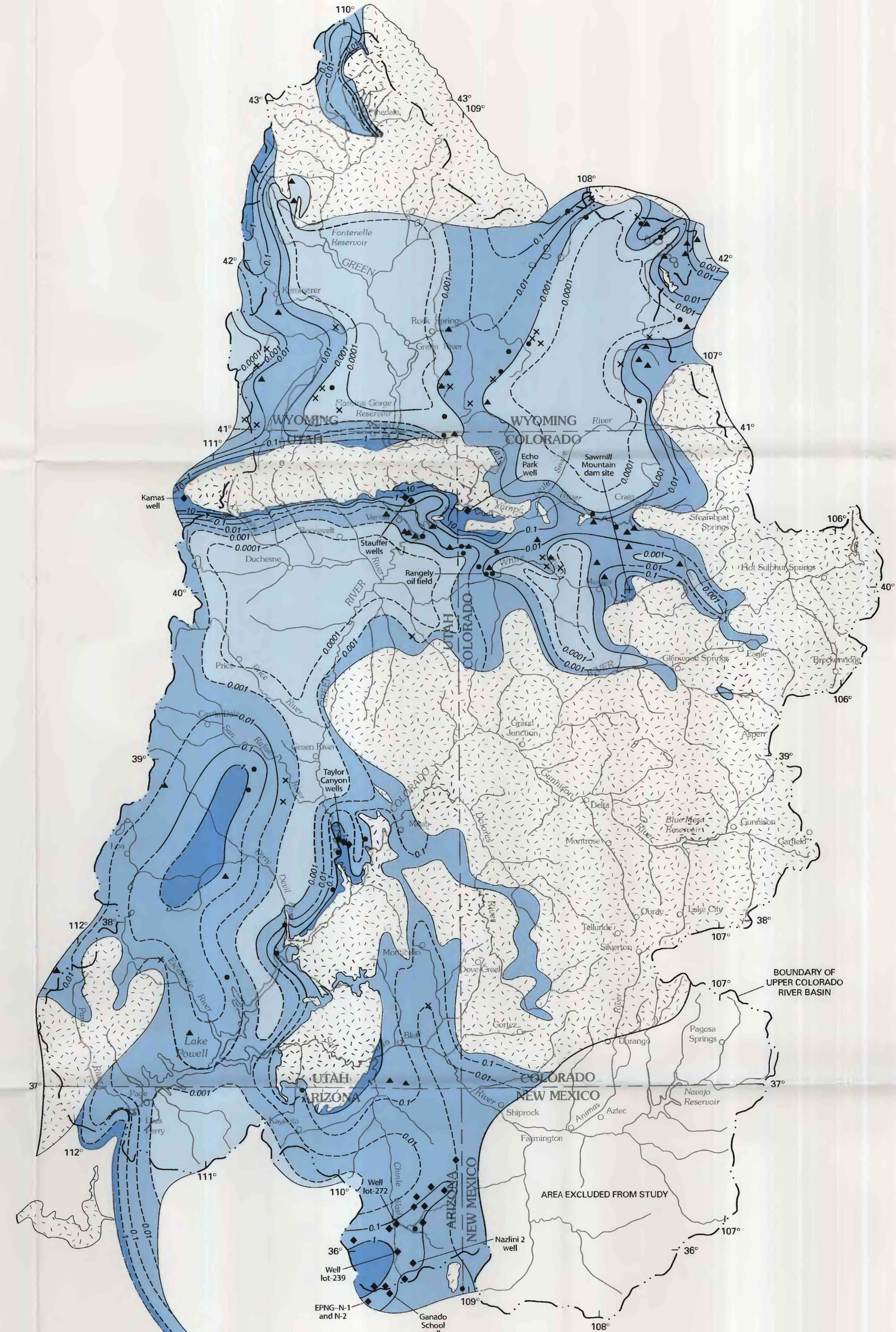


UNIT-AVERAGED POROSITY



UNIT-AVERAGED HYDRAULIC CONDUCTIVITY

- EXPLANATION**
- Area where the Weber-De Chelly zone is missing because of erosion or nondeposition
 - Unit-Averaged Porosity**
 - Line of equal estimated unit-averaged porosity—Dashed where approximately located. Interval is 5 percent
 - Data Sites**
 - Site at which estimate was based on mean porosity of samples from a borehole interval
 - Site at which estimate was based on mean porosity of samples from an outcrop
 - Site at which estimate was based on median porosity in a borehole interval determined by a combination of sonic, neutron, and density logs
 - Site at which estimate was based on mean porosity in a borehole interval determined by a sonic log
 - Site at which estimate was based on permeability or hydraulic conductivity using equations 7 and 11 and equations in table 3
 - Unit-Averaged Hydraulic Conductivity**
 - Relative unit-averaged hydraulic conductivity**
 - Large
 - Moderate
 - Small
 - Line of equal estimated unit-averaged hydraulic conductivity—Dashed where approximately located. Interval, in feet per day, is variable
 - Data Sites**—Labeled sites are discussed in the text or listed in table 15
 - Site at which estimate was based on median porosity in a borehole interval, as determined from geophysical logs
 - Site at which estimate was based on the mean laboratory-determined permeability of samples from an outcrop or borehole interval
 - Site at which estimate was based on permeability determined by one or more drill-stem tests
 - Site at which estimate was based on the average of pressure-injection tests in a borehole interval
 - Site at which estimate was based on transmissivity determined by a pumping, flowing-well, or bailing test

UNIT-AVERAGED POROSITY AND HYDRAULIC CONDUCTIVITY OF THE WEBER-DE CHELLY ZONE OF THE CANYONLANDS AQUIFER IN THE UPPER COLORADO RIVER BASIN AND VICINITY IN ARIZONA, COLORADO, NEW MEXICO, UTAH, AND WYOMING

By
 Arthur L. Geldon
 2002

Base from U.S. Geological Survey U.S. base map, 1:2,500,000