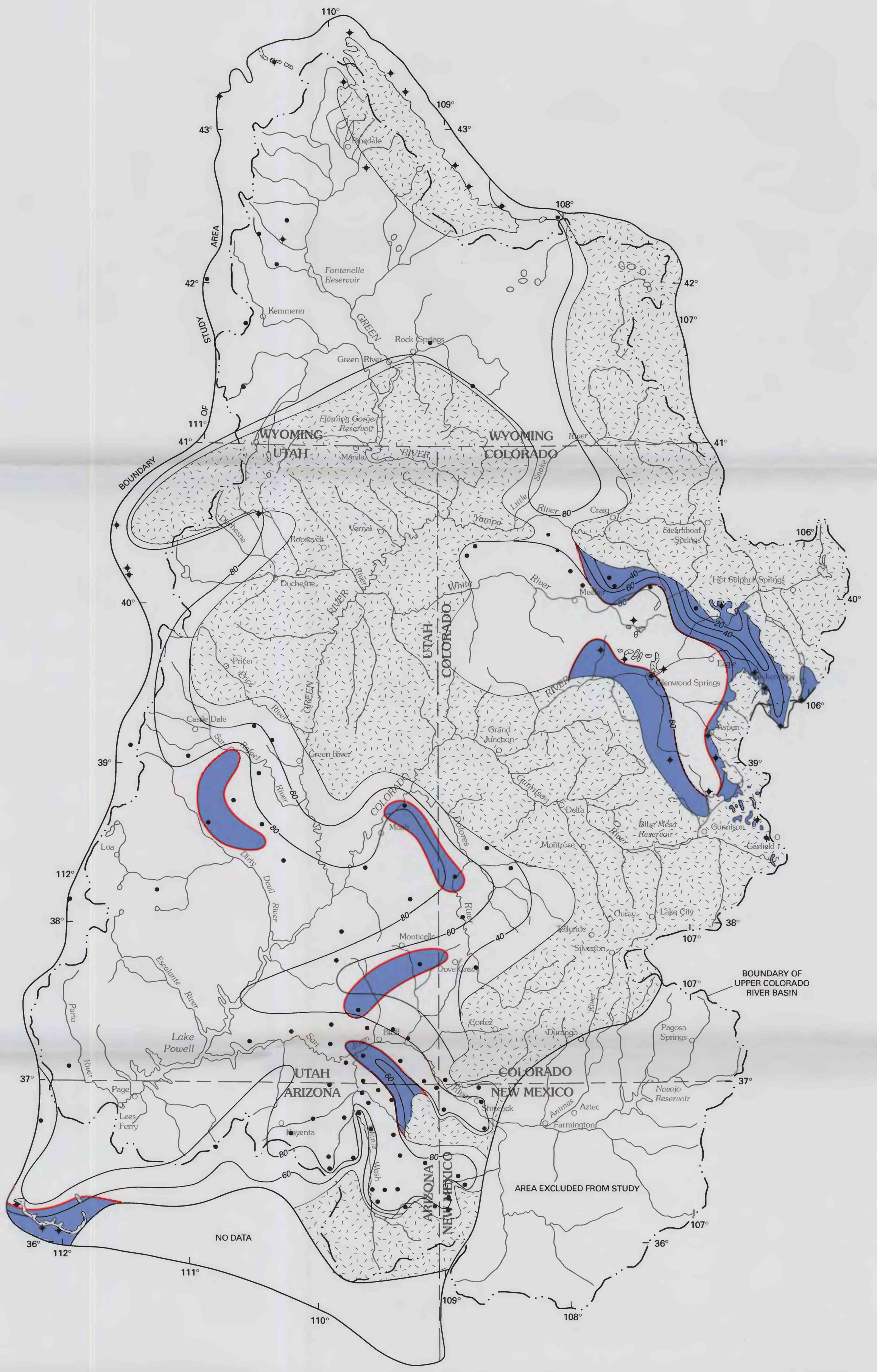


1:2,000,000
 0 25 50 75 100 MILES
 0 25 50 75 100 KILOMETERS
 STRATIGRAPHIC NOMENCLATURE AND THICKNESS



1:2,000,000
 0 25 50 75 100 MILES
 0 25 50 75 100 KILOMETERS
 LITHOLOGY

- EXPLANATION**
- Area where Bighorn aquifer is missing because of erosion or nondeposition or thrust under Precambrian rocks
 - Borehole with lithologic log used to prepare map
 - Measured surface stratigraphic section used to prepare map
- Stratigraphic Nomenclature and Thickness**
- Area where Bighorn aquifer crops out (generalized)
 - Line of equal thickness—Interval is 200 feet. In the southwestern corner of the area, the 1,100-foot contour is shown to aid interpretation. In Wyoming, the 1,900-foot contour is shown
 - Approximate boundary between component geologic units
- Lithology**
- Limestone and dolomite with shale interbeds and generally less than 5 percent sandstone interbeds
 - Limestone and dolomite with shale and sandstone interbeds that locally exceed the carbonate rocks in abundance
 - Line of equal percent carbonate rocks—Location generally is approximate. Interval is 20 percent
 - Approximate boundary between lithofacies

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

STRATIGRAPHIC NOMENCLATURE, THICKNESS, AND LITHOLOGY OF THE BIGHORN AQUIFER IN THE UPPER COLORADO RIVER BASIN AND VICINITY
 IN ARIZONA, COLORADO, NEW MEXICO, UTAH, AND WYOMING

By
 Arthur L. Geldon
 2002