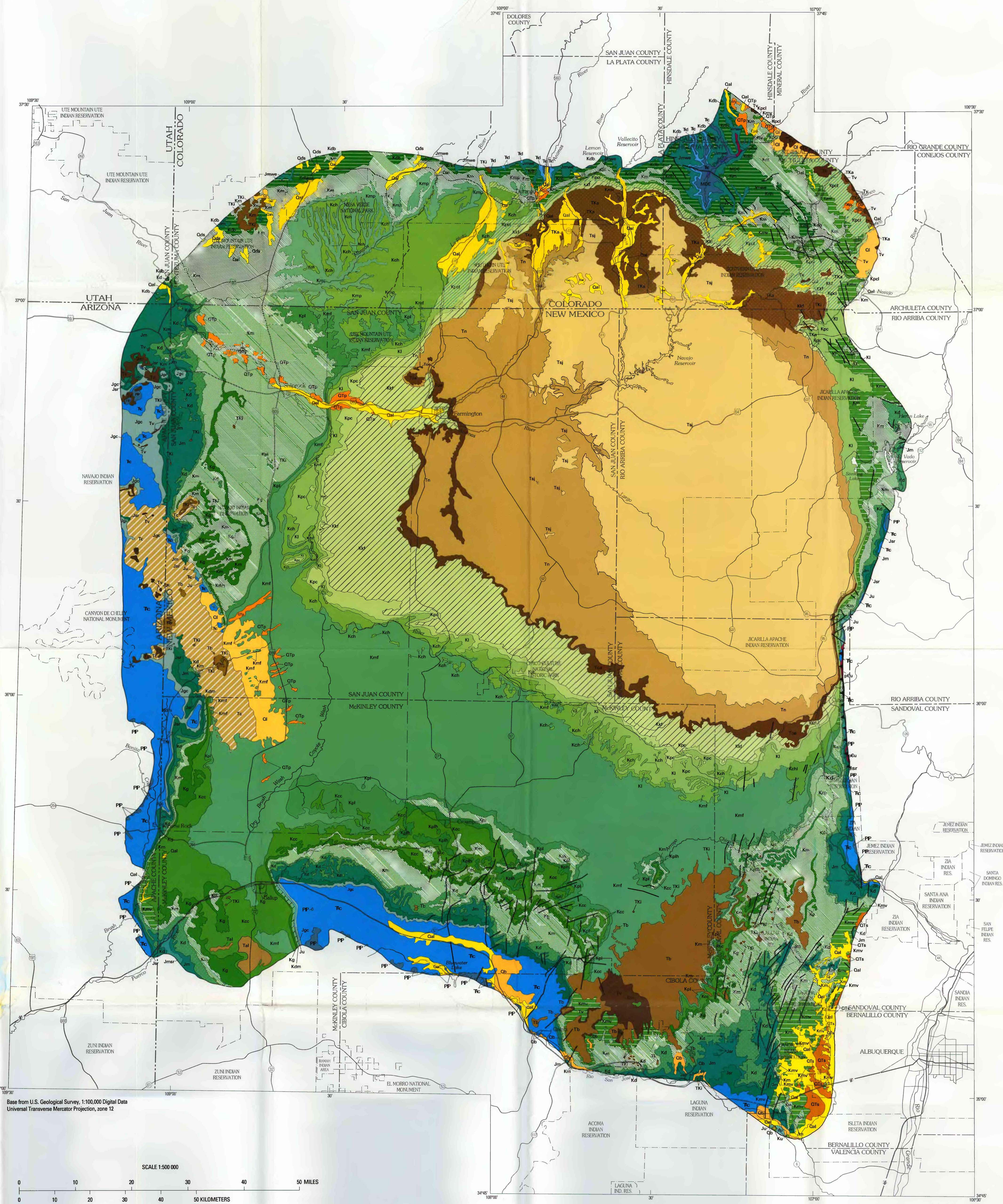
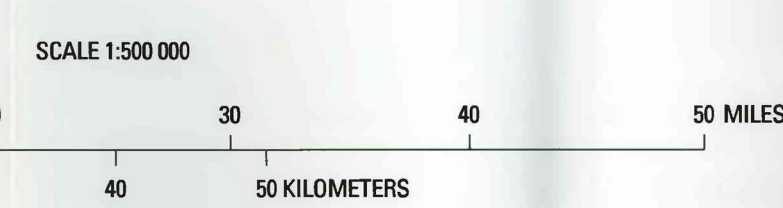


EXPLANATION

Qal Qds Ql Ob	Holocene	QUATERNARY
Qal ALLUVIUM Qds DUNE SAND Ql LANDSLIDE DEPOSITS Ob BASALTIC LAVA FLOWS		
OTp OTs	Pleistocene	QUATERNARY and TERTIARY
OTp MISCELLANEOUS PERIMENT, TERRACE, AND OTHER SAND, GRAVEL, AND CALICHE DEPOSITS OTs SANTA FE GROUP—Undivided	Pliocene	
Tc Tal Tb	Miocene	TERTIARY
Ts Tn Tv	Oligocene	
Toe	Eocene	
Tc CHUSKA SANDSTONE Taj SAN JOSE FORMATION Tn NACIMIENTO FORMATION Toe OJO ALAMO SANDSTONE	Ta ALLUVIAL AND LACUSTRINE DEPOSITS Tb BASALTIC LAVA FLOWS Tv VOLCANIC ROCKS—Undivided	
TKa TKi	Paleocene	TERTIARY and CRETACEOUS
TKa ANTRAS FORMATION TKi INTRUSIVE VOLCANIC ROCKS	Upper Cretaceous	
Kkf Kpc Kl Kpl Kch Kchl Kph Km Kdm Kd Kk	Upper Cretaceous	CRETACEOUS
Kmp Kmv Kcc Kg Km Kd Kk	Lower Cretaceous	
Kkf KIRTLAND SHALE AND FRUITLAND FORMATION—Undivided Kpc PICTURED CLIFFS SANDSTONE Kl LEWIS SHALE Kpl PICTURED CLIFFS SANDSTONE AND LEWIS SHALE—Undivided Kch CLIFF HOUSE SANDSTONE Kchl LA VENTANA TONGUE OF THE CLIFF HOUSE SANDSTONE—Southern part of basin Kph MENEFE FORMATION Kp Point Lookout Sandstone Kk HOSTA TONGUE OF THE POINT LOOKOUT SANDSTONE—Southern part of basin	Kmp MENEFE FORMATION AND POINT LOOKOUT SANDSTONE—Undivided Kmv MESAVIENE GROUP—Undivided Kcc CREVASSE CANYON FORMATION Kg GALLUP SANDSTONE Km MANCOS SHALE Kd DAKOTA SANDSTONE Kk DAKOTA SANDSTONE AND BURRO CANYON FORMATION—Undivided Kd DAKOTA SANDSTONE AND LOWER PART OF MANCOS SHALE—Undivided Ku CRETACEOUS ROCKS—Undivided	
Jmsr Jmve Jm Ju	Upper Jurassic	JURASSIC
Jr	Middle Jurassic	
Jm MORRISON FORMATION Jmve MORRISON FORMATION, WANAKAH FORMATION, AND ENTRADA SANDSTONE—Undivided Jmsr MORRISON FORMATION AND SAN RAFAEL GROUP—Undivided	Jr SAN RAFAEL GROUP—Undivided Ju JURASSIC ROCKS—Undivided	
Jgc	Lower Jurassic	
Jgc GLEN CANYON GROUP—Undivided (includes Wingate Sandstone)		
Tc Td Tu	Upper Triassic	TRIASSIC
Td	Middle and Lower Triassic	
Tc CHINLE FORMATION Td DOLORES FORMATION	Tu TRIASSIC ROCKS—Undivided	
PP	PERMIAN and PENNSYLVANIAN	PERMIAN and PENNSYLVANIAN
PP PERMIAN AND PENNSYLVANIAN ROCKS—Undivided		
MDE	MISSISSIPPIAN, DEVONIAN, and CAMBRIAN	MISSISSIPPIAN, DEVONIAN, and CAMBRIAN
MDE MISSISSIPPIAN, DEVONIAN, AND CAMBRIAN ROCKS—Undivided		
pCu	PRECAMBRIAN	PRECAMBRIAN
pCu PRECAMBRIAN CRYSTALLINE ROCKS—Undivided		
—	CONTACT	
—	FALT	
▲▲▲	THRUST FALT—Sawtooth on upper plate	



Base from U.S. Geological Survey, 1:100,000 Digital Data
Universal Transverse Mercator Projection, zone 12



Modified from Dane and Bachman (1965) (New Mexico);
Wilson and others (1968) (Arizona); Tweto (1979) (Colorado);
and Hintze (1981) (Utah)

GEOLOGIC MAP OF THE REGIONAL AQUIFER-SYSTEM ANALYSIS STUDY AREA IN THE SAN JUAN STRUCTURAL BASIN, NEW MEXICO, COLORADO, ARIZONA, AND UTAH