

GEOLOGIC UNITS
(see text for descriptions)

Quaternary

Qal Alluvium; includes landslide deposits (east side of Chuska Mountains), terrace deposits (San Juan River valley)

Qb Basalt

Quaternary/Tertiary

Qts Santa Fe Group and younger alluvium, undifferentiated (Rio Grande valley)

Tertiary

Ti Intrusions, dikes

Tb Basalt

Tv Volcanics other than basalt

Tc Chuska Sandstone

Tsj San Jose Formation

Tn Naclminto Formation

Toa Ojo Alamo Sandstone

Tertiary/Cretaceous

Tka Animas Formation

Cretaceous

Kkf Fruitland Formation-Kirtland Shale, undifferentiated

Kpc Pictured Cliffs Sandstone

Kl Lewis Shale

Kmv Mesaverde Group, undifferentiated

*Kch Cliff House Sandstone

*Klv La Ventana Tongue, Cliff House Sandstone

*Kmf Menefee Formation

*Kpl Point Lookout Sandstone

Kms Satan Tongue, Mancos Shale

*Kph Hosta Tongue, Point Lookout Sandstone

*Kcc Crevasse Canyon Formation

Kmm Mulaite Tongue, Mancos Shale

*Kg Gallup Sandstone

Km Mancos Shale, undifferentiated

*Kd Dakota Sandstone; includes Burro Canyon Formation (northeast)

*In Mesaverde Group

Jurassic

Jm Morrison Formation

Jsr San Rafael Group, undifferentiated; includes Entrada Sandstone, Todillo Limestone, Summerville Formation, Cow Springs Sandstone/Bluff Sandstone, in ascending order

Triassic

T Triassic rocks, undifferentiated; includes Chinle Formation and overlying Glen Canyon Group

Paleozoic

P Permian rocks, undifferentiated; includes Abo Formation (south), lower Cutler Formation (north), DeChelly Sandstone, Yaso Formation, Glorieta Sandstone, San Andres Limestone, in ascending order

P Pennsylvanian rocks, undifferentiated; includes Moles Formation, Pinkerton Trail Formation, Paradox Formation (northwest), Honaker Trail Formation, in ascending order

Precambrian

pC Precambrian rocks, undifferentiated

WATER-YIELDING CHARACTERISTICS*

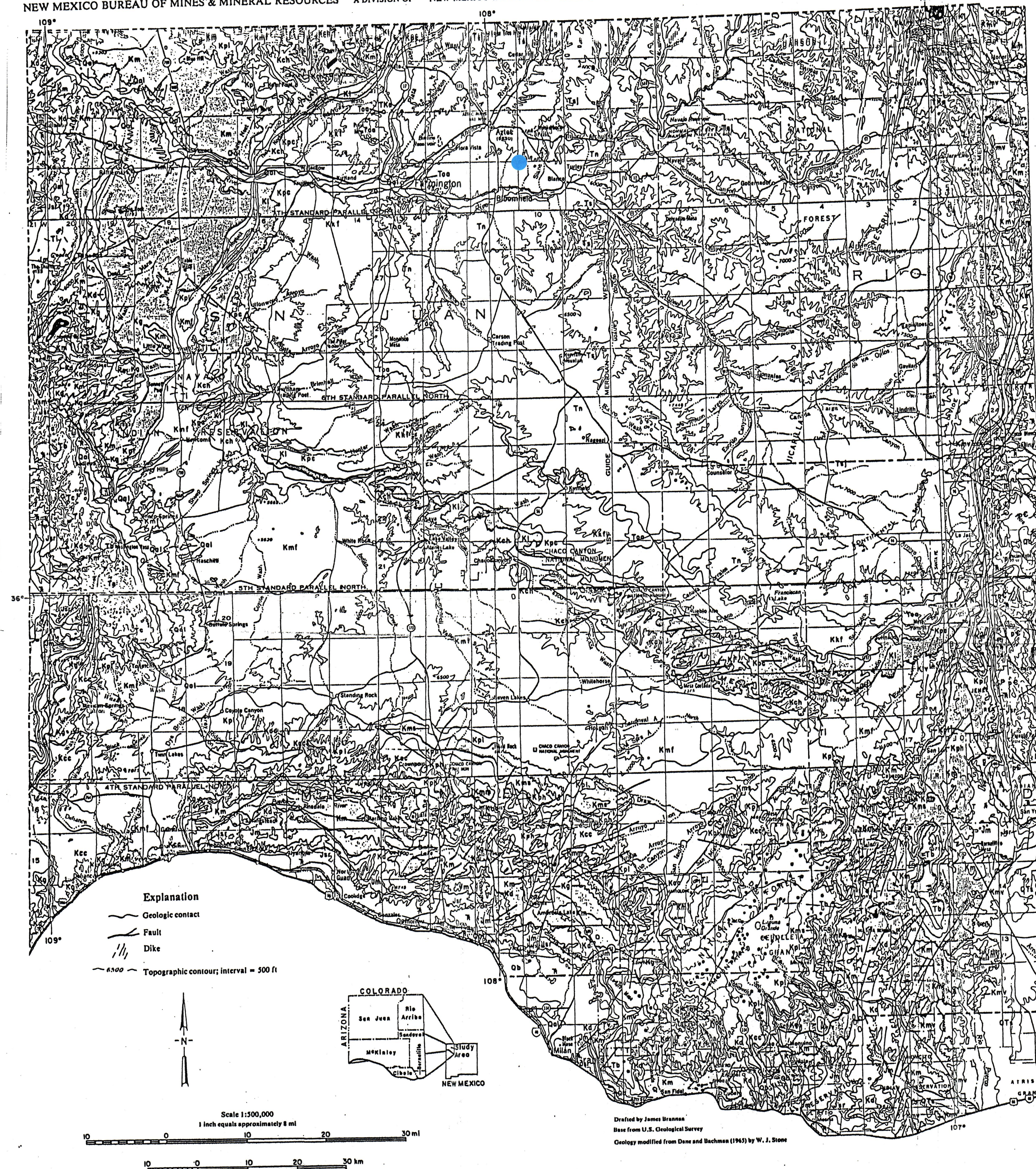
Aquifer

Locally an aquifer or contains aquifer

Aquifer

Poorly known or outside study area

*See table 14 (inside front cover) for summary of aquifer characteristics



Hydrogeologic map of the San Juan Basin, New Mexico