



FIGURE 1—HYDROGEOLOGY OF AMBROSIA LAKE-SAN MATEO AREA.

Geologic units, Quaternary, Tertiary, Upper Cretaceous, Mesaverde Group, Water-yielding characteristics, Areas of major ground-water development, Wells and aquifers tapped, Ground-water chemistry. Includes conversion tables for area and volume, and a cation/anion diagram.

Abstract: The Ambrosia Lake-San Mateo area is located about 10 mi north of Grants, New Mexico... Preface: The specific objectives of this New Mexico Bureau of Mines and Mineral Resources series are to provide a single outlet for water-resource studies... Introduction: The Ambrosia Lake-San Mateo area is located approximately 75 mi (120 km) west of Albuquerque... Regional Setting: The Ambrosia Lake-San Mateo area lies in the northeast corner of the Danil section of the Colorado Plateau physiographic province... Wells and aquifers tapped: 1 Alluvium, 2 Meneffe Formation, 3 Point Lookout Sandstone, 4 Dakota Sandstone, 5 Westwater Canyon Member, Morrison Formation, 6 Others as indicated by letters, same as for geologic units (above), 7 Well number (tables 2 and 3).

Regional Setting, Figure 2 (Map of Uranium Mines and Mills), Figure 3 (Location of Uranium Mines and Mills), Figure 4 (Dissolved-Solids Content of Groundwater), Figure 5 (Potentiometric Surface for Meneffe Formation), Figure 6 (Potentiometric Surface for Westwater Canyon Member), Table 1 (Summary of Water-Resource Information), Table 2 (Well Log Data), Table 3 (Well Log Data), Table 4 (Well Log Data), Table 5 (Well Log Data).

Hydrogeology of Ambrosia Lake-San Mateo area, McKinley and Cibola Counties, New Mexico

by Robert C. Brod and William J. Stone

