ARIZONA DEPARTMENT OF WATER RESOURCES

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INTRODUCTION

The Sycamore Hills area is located in Maricopa County, Arizona. This region is characterized by a semi-arid climate with hot summers and mild winters. The area is dominated by the Sycamore Hills Aquifer, which is a confined aquifer characterized by high water quality and recharge from surface water sources. The aquifer is the primary source of water for domestic, agricultural, and industrial uses in the area.

Geologically, the Sycamore Hills area is underlain by sedimentary rocks of the Tonto Group, which are primarily sandstone and siltstone. The aquifer is confined by a thick layer of clay and silt that acts as a confining layer. The primary recharge to the aquifer is from surface water sources, such as the Salt River and the Verde River, which flow through the area.

The Sycamore Hills aquifer is an important water resource for the region, providing water for residential, agricultural, and industrial uses. The area is divided into two districts for the purpose of managing water resources: the Sycamore Hills District and the Sycamore Valley District. These districts work together to ensure the sustainable use of water resources in the area.

WATER QUALITY

In 1992 and 1993, a comprehensive water quality study was conducted in the Sycamore Hills area to assess the quality of water sources. The study included the analysis of water samples from various sources, such as wells, springs, and surface water bodies. The results of the study indicated that the water quality in the area was generally good, with no significant contaminants detected.

SELECTED REFERENCES


