Introduction

The map shows the geology of the Oxley Quadrangle in Searcy and Van Buren Counties, Arkansas. The work was completed in 2009 as part of a larger project called the Arkansas Geological Survey's Quads Map Project. The map is designed to provide a detailed view of the region's geological features, including fault lines, rock formations, and stratigraphic units.

Correlation of Map Units

The map includes a legend with symbols representing different geological units. These units are color-coded and numbered for easy identification. The units range from Precambrian to Quaternary, providing a comprehensive view of the geological history of the area.

Description of Map Units

The map units are described in detail, including their stratigraphic position, lithology, and distribution. The descriptions are based on field observations and are intended to provide a accurate representation of the geology of the area.

Stratigraphic Column

A stratigraphic column is included on the map, showing the sequence of geological units from the bottom to the top. This column helps to visualize the thickness and distribution of the various units.

Symbols

A key to symbols is provided on the map, explaining the meaning of each symbol used in the legend. This key is essential for interpreting the map accurately.

Joint Frequency

A frequency diagram is shown, indicating the frequency of joints within the rock formations. This information is useful for understanding the structural integrity of the area.

References

The map includes a list of references, providing sources for the geological data and methods used in the map creation. These references are valuable for further study and research.

In conclusion, the Oxley Quadrangle map is a valuable resource for geologists, researchers, and anyone interested in the geological history of the area. It provides a comprehensive view of the region's geology, making it a useful tool for a wide range of applications.