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Geology of Cumberland Gap National Historical Park

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GEOLGY OF CUMBERLAND GAP NATIONAL HISTORICAL PARK

Introduction

Cumberland Gap National Historical Park is located in parts of Virginia, Kentucky, and Tennessee. The park is a part of the Appalachian Mountains and is part of the Great Smoky Mountains National Park. The park is known for its natural beauty and historical significance.

Geology Setting

The geology of the Cumberland Gap is influenced by the surrounding Appalachian Mountains. The park is located on the boundary of three states and is part of the Cumberland Plateau. The geology of the park is diverse, with a mix of sedimentary and metamorphic rocks.

Structural Geology

The structural geology of the Cumberland Gap is characterized by the presence of faults and folds. The faults are primarily strike-slip faults, and the folds are primarily synclines and anticlines.

Vegetation and Soils

The vegetation of the Cumberland Gap is diverse, with a mix of deciduous and coniferous trees. The soils of the park are mainly podzolic soils, which are typical of the Appalachian Mountains.

The Tunnel

The Cumberland Gap Tunnel is a major tunnel that connects Virginia and Tennessee. The tunnel is located in the park and is part of the Appalachian highway system.

Handy Sinkar

Handy Sinkar is a well-known natural feature in the park. It is a large sinkhole and is a popular destination for visitors.

The Geologic Map

The geologic map of the park is a detailed map that shows the geologic features of the park. The map is a valuable tool for understanding the geology of the park and for planning future developments.

Navigation

The map includes a legend and a north arrow to help with navigation. The legend includes symbols and colors to represent different geologic features.

Acknowledgments

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References