**Bedrock Geology of the Fertile NE (Iowa) 7.5' Quadrangle**

The Fertile NE (Iowa) 7.5' Quadrangle map, published by the USGS in 1972, provides a detailed view of the bedrock geology of the area.

**Introduction to the Bedrock Geology of the Fertile NE 7.5’ Quadrangle**

The Fertile NE (Iowa) 7.5’ Quadrangle is located in Scott County, Iowa, and is situated in the basin formed by the Des Moines sills. The topographic relief is characterized by a moderate basin with a maximum relief of 10 to 15 ft. The bedrock geology is heavily influenced by Quaternary glaciation, with the area covered by various glacial deposits.

**Quaternary System**

The entire Fertile NE quadrangle is mostly covered by Quaternary glacial deposits. These deposits include glacial till, outwash, and other deposits that have been deposited by glaciers. The map indicates that the area has been affected by multiple glacial events, including the Des Moines Lobe, which left a significant impact on the landscape.

**Devonian System**

The Devonian System is represented by the Shell Rock Formation, which is commonly fossiliferous and consists of limestone and dolomite. Other formations in the Devonian System include the Lithograph City Formation and the Windrow Formation. These formations are characterized by their fossil content and are useful for dating purposes.

**LEGEND**

- **Soils**
- **Glacial Deposits**
- **Lithostratigraphic Units**
- **Geologic Cross-section**
- **Correlation of Map Units**

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**References**


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For further information or requests for access to the map data, please contact the Iowa Geological and Water Survey at info@iowagis.org or (515) 799-6580.