Bedrock Elevation and Quaternary Thickness Maps of Des Moines County, Iowa

**Introduction**

The Bedrock Elevation and Quaternary Thickness Maps of Des Moines County, Iowa, were produced to enhance the understanding of the geologic and geomorphologic features of the county. These maps provide a detailed view of the topography and the thickness of Quaternary deposits, which are essential for various applications including engineering, hydrology, and environmental studies.

**Methodology**

The Bedrock Elevation Map was created using digital elevation models (DEMs) derived from topographic maps and geographic information system (GIS) data. The Quaternary Thickness Map was produced by analyzing aerial photographs, satellite imagery, and ground-truth data. The maps were created using ArcGIS software, and the data were validated through field surveys and expert consultation.

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**References**