Introduction to the Surficial Geology of the Northwood, 7.5' Quadrangle

The Northwood Quadrangle is located in Worth County in northeastern Iowa. Surficial geology of the area is based on field examination, aerial photography, and analysis of geologic drill data. Surficial geologic units are based on correlation of physical and chemical properties of surficial deposits and direct examination of exposures at drill holes or in outcrops. The Surficial Geologic Map of the Northwood Quadrangle is an interpretation of the surficial geology of the quadrangle.

Within the study area, the surficial geologic units are divided into two components: the Third Glacial Stage Drift, and the Quaternary System. The Third Glacial Stage Drift is divided into four Drift units: the Des Moines Lobe Glacial Drift (DML), the Woodbine Moraine, the Bemis Moraine, and the Black Earth Moraine. The Quaternary System is divided into four Drift units: the Wisconsin Drift, the Illinoian Drift, the Kansan Drift, and the Wisconsin Drift. The surficial geologic units are described in detail in the following sections.

The Third Glacial Stage Drift

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The Wisconsin Drift

The Wisconsin Drift is divided into four Drift units: the Wisconsin Drift, the Illinoian Drift, the Kansan Drift, and the Wisconsin Drift. The surficial geologic units are described in detail in the following sections.

The Quaternary System

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The Illinoian Drift

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The Kansan Drift

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