Surficial Geology of the New Haven (Iowa) 7.5' Quadrangle

The New Haven Quadrangle is located in Mitchell County in northcentral Iowa. The quadrangle is located on the Wisconsinan St. Louis surface (Iowan Surface) of the northeast corner of the state. The quadrangle is bounded by the Des Moines River to the north, the Little Cedar River to the south, and the Illinois River to the west. The quadrangle covers an area of approximately 360 square miles.

The surficial geology of the New Haven Quadrangle is dominated by Wisconsinan glacial deposits, which are divided into two main units: the Wisconsinan drift and the Wisconsinan Till. The Wisconsinan drift is further divided into two subunits: the Wisconsinan Till and the Wisconsinan Drift. The Wisconsinan Till is a well-sorted, poorly sorted, and massive deposit of glacial till, while the Wisconsinan Drift is a poorly sorted, massive to thick bedded deposit of glacial drift.

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