Surficial Geology of the Fertile SE (Iowa) 7.5' Quadrangle

INTRODUCTION

The Fertile Quadrangle is located in Tama and Marion Counties in central Iowa. The Fertile Quadrangle includes the counties of Linn, Johnson, Ringgold, and Tama and the northern portion of Marion County. The central Iowa region is part of the North American midcontinent area, which includes the central plains and central Mississippi valley, and encompasses much of the Driftless Area. The central plains of Iowa are generally flat, and the region is underlain by Paleozoic and Mesozoic strata. The central Iowa region is a part of the Midwest Driftless Area, which is characterized by a lack of glacial deposition and the absence of glacial till. The Driftless Area extends from southern Wisconsin, across parts of northern Illinois, northern Indiana, and northwestern Ohio, and northwestern Michigan. The central Iowa region is underlain by Paleozoic and Mesozoic strata, which are not typically associated with the Driftless Area. The central Iowa region is characterized by a lack of glacial deposition and the absence of glacial till.

The Iowa Geological Survey (IGS) published the Surficial Geology of the Fertile SE (Iowa) 7.5' Quadrangle in 1994. The purpose of this publication was to provide a detailed surficial geology map of the central Iowa region, which includes the counties of Linn, Johnson, Ringgold, and Tama and the northern portion of Marion County. The map includes a surficial geology map of the central Iowa region, which is based on a detailed surficial geology survey of the area. The map includes a surficial geology map of the central Iowa region, which is based on a detailed surficial geology survey of the area. The map includes a surficial geology map of the central Iowa region, which is based on a detailed surficial geology survey of the area.

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