Bedrock Geology of the Dorchester (Iowa) 7.5' Quadrangle

LEGEND

CENOZOIC

QUaternary System

CQ - Calcareous (wetland) accumulation

PALEOZOIC

Ordovician System

Oo - Ordovician (Wenlockian - Hadrynian) Series - Oldest portion of underlying carbonate platform, composed of dolomitized limestone and dolostone with minor interbedded sandstone and siltstone.

Os - Ordovician (Darriwilian - Caradocian) Series - Middle portion of carbonate platform, consists of 2 to 3 m (7 to 9 ft) of green limestone, calcareous siltstone and dolostone, and minor interbedded sandstone and siltstone.

Odpg - Ordovician (Darriwilian - Petermannian) Group - oldest portion of carbonate platform, consists of 2 to 3 m (7 to 9 ft) of green limestone, calcareous siltstone and dolostone, and minor interbedded sandstone and siltstone.

Os2 - Ordovician (Osagean - Petermannian) Series - Middle portion of carbonate platform, consists of 12 to 14 m (39 to 46 ft) of interbedded fossiliferous green limestone, calcareous siltstone, and dolostone.

Os3 - Ordovician (Osagean - Prestwickian) Series - Upper portion of carbonate platform, consists of 12 to 14 m (39 to 46 ft) of interbedded fossiliferous green limestone, calcareous siltstone, and dolostone.

Os4 - Ordovician (Osagean - Ashgillian) Series - Older portion of carbonate platform, consists of 12 to 14 m (39 to 46 ft) of interbedded fossiliferous green limestone, calcareous siltstone, and dolostone.

Cj - Cambrian (Ediacaran) System - youngest portion of carbonate platform, consists of 2 to 3 m of green limestone, calcareous siltstone and dolostone, and minor interbedded sandstone and siltstone.

Waterloo Ridge

ULTRA-INTEGRATION OF THE UPPER IOWA RIVER WATERSHED: PHASE 4: Dorchester 7.5' Quadrangle

Iowa Geological Survey
Open File Map OFSM-06-2
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The Upper Iowa River Watershed

The Upper Iowa River Watershed is a long, narrow river that flows through the central part of Iowa, draining an area of approximately 5,800 square miles. The river rises in northeastern Iowa and flows southeastward into the Mississippi River. It is notable for its diverse ecosystem, which includes wetlands, forests, and prairies. The Upper Iowa River is also an important source of water for irrigation, industry, and drinking water. The region surrounding the river is home to a variety of wildlife, including deer, turkey, and waterfowl. The area is also popular for outdoor recreation, including fishing, hunting, and hiking.

The Upper Iowa River Watershed Project is a multi-year effort to improve the health of the Upper Iowa River and its tributaries. The project involves a variety of partners, including local governments, non-profit organizations, and private landowners. The project aims to improve water quality, protect natural resources, and enhance public access to the river and its surrounding areas. The project has involved the development of a comprehensive plan, as well as the implementation of specific projects designed to address water quality and ecosystem health.

ACREAGE

The Upper Iowa River Watershed is a total of approximately 5,800 square miles. This includes the main stem of the river, as well as its tributaries. The river is approximately 96 miles long, with a mean slope of 0.25 feet per mile. The river has a drainage area of 5,800 square miles, which is divided into 9 sub-basins. The sub-basins are further divided into 100 smaller catchments, each of which is monitored for water quality and ecosystem health.

The project involves the restoration of wetlands, the removal of invasive species, and the creation of habitat for fish and wildlife. The project also involves the improvement of water quality through the treatment of runoff and sewage. The project has involved the development of a comprehensive plan, as well as the implementation of specific projects designed to address water quality and ecosystem health.