Bedrock Geology of the Ridgeway (Iowa) 7.5' Quadrangle

LEGEND

PALEOZOIC SYSTEM

PRE-ORDOVICIAN FORMATIONS

Platteville, Glenwood, and Decorah formations, which are part of the Upper Carboniferous Period, are the most important fossiliferous formations in the area. They are typically composed of alternating layers of shale, limestone, and dolostone. The Platteville Formation, at the base, consists of thin to thick bedded dolostone and limestone, often with abundant fossil molds. The Glenwood Formation above it is characterized by wackestone to packstone with some intraclasts. The Decorah Formation, at the top, is typically composed of bioclastic wackestone to packstone with abundant ostracodes and brachiopods.

QUATERNARY SYSTEM

The Quaternary System, which includes the Illinoian, Wisconsin, and Recent epochs, is characterized by the deposition of glacial and related materials. The Illinoian epoch, which ended about 300,000 years ago, is represented by the deposition of glacial drift, such as till and outwash, in the area. The Wisconsin epoch, which ended about 10,000 years ago, is characterized by the deposition of glacial till, outwash, and kames. The Recent epoch includes the deposition of organic materials, such as peat and organic soils, in the area.

GEOLOGIC MAPPING OF THE UPPER IOWA RIVER WATERSHED: PHASE 4 - Ridgeway 7.5' Quadrangle

Iowa Geological Survey
Open File Map 10586 08 00
August 2010

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GEOLOGIC CROSS-SECTION A-B

Walnut Creek

Tun Creek

Figure 1: Bedrock Geology of the Ridgeway (Iowa) 7.5' Quadrangle

Figure 2: Bedrock Geology of the Ridgeway (Iowa) 7.5' Quadrangle GeoMap

Figure 3: Bedrock Geology of the Ridgeway (Iowa) 7.5' Quadrangle Map Projection and Coordinate System based on Universal Transverse Mercator (UTM) Zone 15, datum NAD83.

Figure 4: Bedrock Geology of the Ridgeway (Iowa) 7.5' Quadrangle Topographic Contours and Land Features based on 1975 Aerial Photography, Field Checked in 1977

Figure 5: Bedrock Geology of the Ridgeway (Iowa) 7.5' Quadrangle Senior Consultant: Luther College students Gabriel Demuth and Christopher Plant

Figure 6: Bedrock Geology of the Ridgeway (Iowa) 7.5' Quadrangle Map Projection: Universal Transverse Mercator (UTM), Zone 15, Datum NAD83

Figure 7: Bedrock Geology of the Ridgeway (Iowa) 7.5' Quadrangle Coordinate System: Universal Transverse Mercator (UTM), Zone 15, Datum NAD83

Figure 8: Bedrock Geology of the Ridgeway (Iowa) 7.5' Quadrangle Map Projection: Universal Transverse Mercator (UTM), Zone 15, Datum NAD83

Figure 9: Bedrock Geology of the Ridgeway (Iowa) 7.5' Quadrangle Coordinate System: Universal Transverse Mercator (UTM), Zone 15, Datum NAD83

Figure 10: Bedrock Geology of the Ridgeway (Iowa) 7.5' Quadrangle Map Projection: Universal Transverse Mercator (UTM), Zone 15, Datum NAD83

Figure 11: Bedrock Geology of the Ridgeway (Iowa) 7.5' Quadrangle Coordinate System: Universal Transverse Mercator (UTM), Zone 15, Datum NAD83