The Cresco NE 7.5' Topographic Quadrangle map, published by US Geological Survey in 1981, is based on Universal Transverse Mercator (UTM) Zone 15, datum NAD83. The map projection and coordinate system were instrumental in accurately locating and elevating water wells in the Cresco NE 7.5' Quadrangle map area. Drilling in selected sites was provided under contract by Aquadrill, Inc. of Swisher, Iowa.

Carl Haakenstad were participants in field and office work in support of the mapping effort. Robert Rowden (IGS) participated in the project through subcontract 07-058-08, and John Giglierano; Brian Witzke (IGS) provided valuable information concerning the Ordovician stratigraphy and karst features associated with this terrace level. Post-Quaternary flood associations include some areas mantled with less than two meters (6.5 ft) of Peoria Formation loess.

Well development and coneing records and geologic information were compiled for the Cresco NE 7.5' Quadrangle map, and included instrumental in accurately locating and elevating water wells in the Cresco NE 7.5' Quadrangle map area. Drilling in selected sites was provided under contract by Aquadrill, Inc. of Swisher, Iowa.

GEOLOGIC CROSS-SECTION A-B

LEGEND

CENOZOIC

QUaternary System

Wisconsin Episode

Wisconsin Episode

Pleistocene

Pleistocene

Late Wisconsin Event

Late Wisconsin Event

Glaciation

Glaciation

Prior to Glaciation

Prior to Glaciation

LEGEND

PIGLATIONS

ISOLATION

LEGEND

GEOLOGIC MAPPING OF THE UPPER IOWA RIVER WATERSHED:

PHASE 4: Cresco NE 7.5' Quadrangle

Area Geologic Survey

Open File Map 80-2

August 1980

pre pared by

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Iowa Geological Survey  Iowa City, Iowa

Iowa Department of Natural Resources, Bureau of Land Survey

802005-7

Supported by the U.S. Geological Survey


Attributions

This book map is part of the Upper Iowa River Watershed Phase 4, Cresco NE 7.5' Quadrangle mapping project under the cooperative geologic mapping program of the U.S. Geological Survey and its Iowa partners.

Participants in this project included the Iowa DNR (Land Survey), the U.S. Geological Survey, the Iowa Geological Survey, the Iowa Department of Natural Resources, and the Iowa Department of Transportation.

GEOLOGIC CROSS-SECTION A-B

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