

# Iowa Stratigraphic Column

November 4, 2013

## QUATERNARY

### Holocene Series

#### DeForest Formation

Camp Creek Member  
Roberts Creek Member  
Tarton Submember  
Mullenix Submember

#### Gunder Formation

Hatcher Submember  
Watkins Submember

#### Corington Formation

Flack Formation  
Woden Formation

#### West Okoboji Formation

### Pleistocene Series

#### Wisconsinan Episode

#### Peoria Formation

Silt Facies  
Sand Facies

#### Dows Formation

Pilot Knob Member  
Lake Mills Member  
Morgan Member  
Alden Member

#### Noah Creek Formation

#### Sheldon Creek Formation

#### Roxana/Pisgah Formation

### Illinoian Episode

#### Loveland Formation

#### Glasford Formation

Kellerville Member

### Pre-Illinoian

#### Wolf Creek Formation

Hickory Hills Member  
Aurora Member

#### Winthrop Member

#### Alburnett Formation

#### A glacial tills

Lava Creek B Volcanic Ash

#### B glacial tills

Mesa Falls Volcanic Ash

Huckleberry Ridge Volcanic Ash

#### C glacial tills

## TERTIARY

#### Salt & Pepper sands

## CRETACEOUS

#### "Manson" Group

#### "Upper Colorado" Group

#### Niagara Formation

#### Fort Benton ("Lower Colorado") Group

#### Carlile Shale

#### Greenhorn Limestone

#### Graneros Shale

#### Dakota Formation

Woodbury Member  
Nishabotna Member

#### Windrow Formation

Ostrander Member  
Iron Hill Member

## JURASSIC

#### Fort Dodge Formation

## PENNSYLVANIAN (subsystem of Carboniferous System)

#### Wabunsee Group

#### Wood Siding Formation

#### Root Formation

French Creek Shale  
Jini Creek Limestone

#### Friedrich Shale

#### Stotler Formation

Grandhaven Limestone  
Dry Shale  
Dover Limestone

#### Pillsbury Formation

Nyman Coal

#### Zeandale Formation

Maple Hill Limestone  
Wamego Shale

Tarkio Limestone

#### Willard Shale

#### Emporia Formation

Elmont Limestone  
Harveyville Shale

Reading Limestone

#### Auburn Shale

#### Bern Formation

Wakarusa Limestone  
Soldier Creek Shale

Burlingame Limestone

#### Scranton Formation

Silver Lake Shale  
Rulo Limestone

Cedar Vale Shale

Elmo Coal

Happy Hollow Limestone

White Cloud Shale

#### Howard Limestone

Utopia Limestone

Wintzler Shale

Church Limestone

Aarde Shale

Nodaway Coal

#### Severy Shale

#### Shawnee Group

#### Topeka Formation

Coal Creek Limestone

Holt Shale

DuBois Limestone

Turner Creek Shale

Sheldon Limestone

Jones Point Shale

Curzon Limestone

Iowa Point Shale

Hartford Limestone

#### Calhoun Shale

#### Deer Creek Formation

Ervine Creek Limestone

Burroak Shale

Haynies Limestone

Larsh Shale

Rock Bluff Limestone

Oskaloosa Shale

Ozarkia Limestone

#### Tecumseh Shale

#### Lecompton Formation

Avoca Limestone

King Hill Shale

Beil Limestone

Queen Hill Shale

Big Spring Limestone

Doniphan Shale

Spring Branch Limestone

#### Kanwaka Shale

#### Oread Formation

Kereford Limestone

Heumader Shale

Plattsmouth Limestone

Heebner Shale

Leavenworth Limestone

Snyderville Shale

Toronto Limestone

#### Douglas Group

#### Lawrence Formation

#### Cass Limestone

Shoemaker Limestone

Little Pawnee Shale

Haskell Limestone

#### Stranger Formation

Iatan Limestone

Weston Shale

#### Lansing Group

#### South Bend Limestone

Kitaki Limestone

Gretna Shale

Little Kaw Limestone

#### Rock Lake Shale

#### Stanton Formation

Sloner Limestone

Eudora Shale

Captain Creek Limestone

#### Vilas Shale

#### Plattsburg Formation

Spring Hill Limestone

Hickory Creek Shale

Merriam Limestone

#### Kansas City Group

#### Lane Shale

#### Wyandotte Formation

Argentine Limestone

Quindaro Shale

#### Liberty Memorial Shale

#### Iola Formation

Raytown Limestone

Muncie Creek Shale

Paola Limestone

#### Chanute Shale

#### Dewey Formation

Cement City Limestone

Quivira Shale

Pammel Park Limestone

#### Nellie Bly Shale

#### Cherryvale Formation

Westerville Limestone

Wea Shale

Block Limestone

Fontana Shale

#### Fronson Group

#### Dennis Formation

Winterset Limestone

Sark Shale

Canville Limestone

#### Galesburg Shale

#### Swope Formation

Bethany Falls Limestone

Hushpuckney Shale

Middle Creek Limestone

#### Elm Branch Shale

#### Hertha Formation

Sniabar Limestone

Mound City Shale

East Peru Limestone

#### Plausanton Formation

Manly-Guthrie Mountain Shale

Ovid Coal

Exline Limestone

#### Hepler Shale

Green Valley Coal

#### Marmaton Group

#### Lost Branch Formation

Cooper Creek Limestone

Nuyaka Creek Shale

Sni Mills Limestone

#### Memorial Shale

#### Lenapah Formation

#### Nowata Shale

#### Altamont Formation

Worland Limestone

Lake Neosho Shale

Amaree Limestone

#### Bandera Shale

Farlington Limestone

#### Pawnee Formation

Coal City Limestone

Mine Creek Shale

Myrick Station Limestone

Anna Shale

#### Labette Formation

Mystic Coal

Marshall Coal

#### Stevens Forest

Higginsville Limestone

Blackwater Creek Shale

Houx Limestone

Clanton Creek Limestone

Little Osage Shale

#### Morgan School Shale

Summit Coal

#### Mouse Creek Formation

Blackjack Creek Limestone

Excello Shale

#### Cherokee Group

#### Swede Hollow Formation

Mully Coal

Bevier Coal

Wheeler Coal

Ardmore Limestone

Oakley Shale

Whitebreast Coal

#### Floris Formation

Carruthers Coal

Laddsdale Coal

#### Spoon Formation

#### Kalo Formation

Cliffland Coal

Blackoak Coal

#### Kilbourn Formation

#### Caseyville Formation

Wyoming Hill Coal

Wildcat Den Coal

## MISSISSIPPIAN (subsystem of Carboniferous System)

#### Pella (Ste. Genevieve) Formation

#### St. Louis Formation

Waugh Member

Verdi Member

Yenruogis Sandstone

Croton Member

#### Spargen Formation

#### Augusta Group

#### Warsaw Formation

#### Keokuk Formation

Bentonsport Member

Montrose Chert

#### Burlington Formation

Cedar Fork Member

Hatig Creek Member

Dolbee Creek Member

#### Sub-Augusta Group

#### Gilmore City Formation

Humboldt Oolite

Alden Limestone

Iowa Falls Dolomite

#### Maynes Creek Formation

Eagle City Member

Wassonville Member

#### North Hill Group

#### Chapin Formation

#### Starrs Cave Formation

#### Prospect Hill Formation

#### McCraney Formation

## DEVONIAN

#### Yellow Spring (New Albany) Group

#### Maple Hill Formation

English River Member

Saverton Member

Grassy Creek Member

#### Aplington Formation

#### Sheffield Formation

#### Sweetland Creek Formation

#### Lime Creek Formation

Oven Member

Cerro Gordo Member

Juniper Hill Member

#### Cedar Valley Group

#### Shell Rock Formation

Nora Member

Rock Grove Member

Mason City Member

#### Lithograph City Formation

Idlewild Member

Thunder Woman Shale

Andalusia Member

Osage Springs Member

Slate Quarry Member

#### Coralville Formation

Iowa City Member

Gizzard Creek Member

Cow Falls Member

#### Little Cedar Formation

Hinkle Member

Eagle Center Member

Chickasaw Shale

Bassett Member

Rapid Member

Curtis Bridge

Solon Member

#### Wapsipinicon Group

#### Pavon Ridge Formation

Davenport Member

Spring Grove Member

Kenwood Member

#### Otis Formation

Cedar Rapids Member

Coggon Member

#### Spillville Formation

Lake Meyer Member

#### Bertram Formation