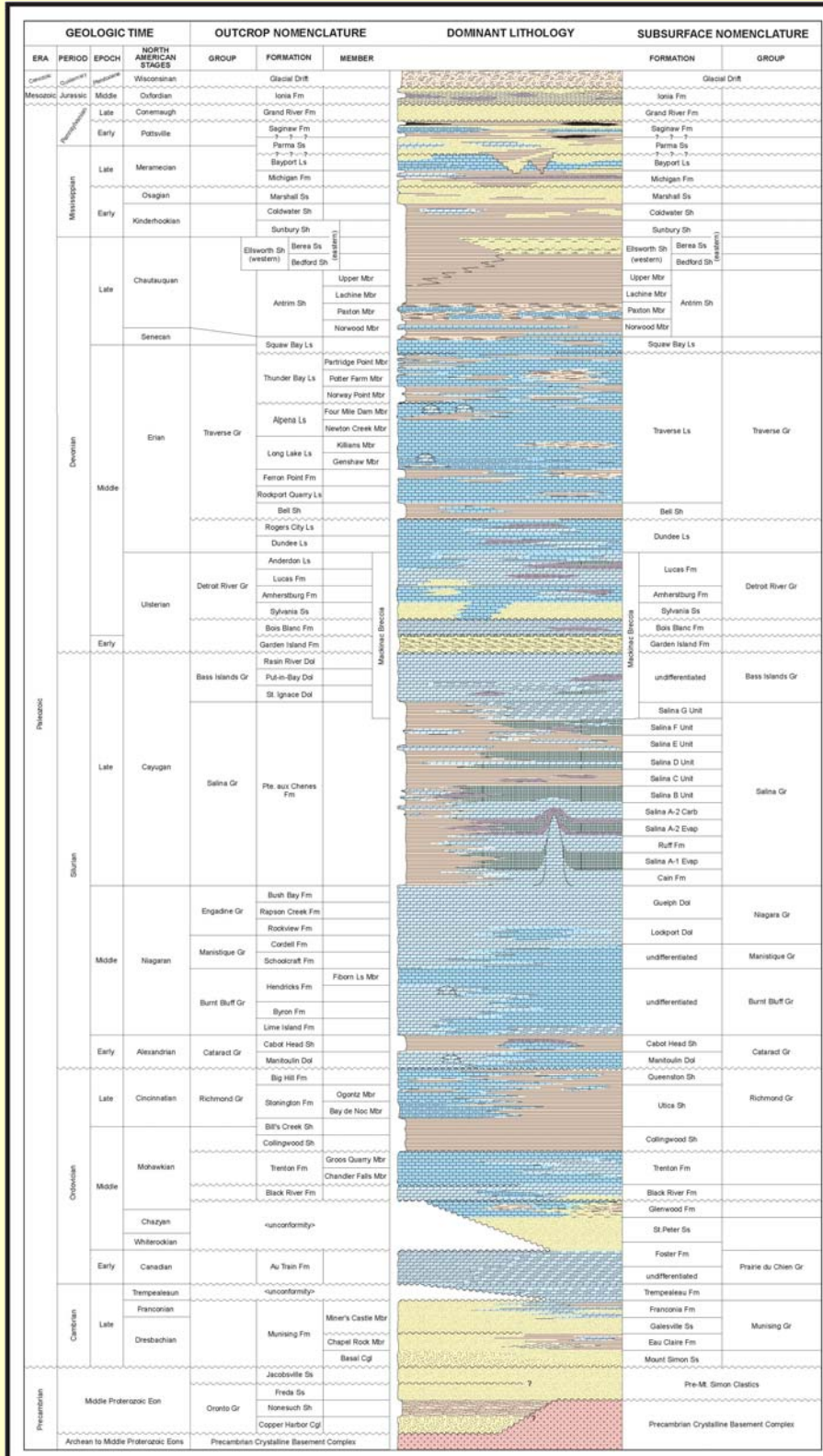


Stratigraphy is the field of geology concerning layered rocks and their interrelationships. The layers serve as reference horizons enabling us to establish the order of geologic events over time in a particular area.

- We look at the rock that makes up the layers – the deepest layers were deposited first.
- We look at fossils and fragments of rocks within the layers. If one type of rock is included in another, it must be older than the rock in which it is included.
- We also look at cross-cutting features. If a rock or other geologic structure cuts across a rock layer, it must have intruded after the layer was deposited and cemented.



STRATIGRAPHIC NOMENCLATURE FOR MICHIGAN

Michigan Dept. of Environmental Quality
Geological Survey Division
Harold Fitch, State Geologist
and
Michigan Basin Geological Society



Stratigraphic Nomenclature Project Committee:
Dr. Paul A. Catacosinos, Co-chairman
Mr. Mark S. Wollensak, Co-chairman

Principal Authors:
Dr. Paul A. Catacosinos
Dr. William B. Harrison III
Mr. Robert F. Reynolds
Dr. David B. Westjohn
Mr. Mark S. Wollensak

2000

Acknowledgements

This work is the product of the combined efforts of the geological communities of Michigan and the surrounding states and provinces. Below are given just a representative few of the contributors.

Academics: Dr. Auneil T. Cross, Michigan State University; Dr. Robert H. Dott, Jr., University of Wisconsin; Mr. William D. Everham, Ph.D. Candidate, Michigan Technological University.

Government: Dr. Terry R. Carter, Ontario Ministry of Natural Resources; Mr. John M. Esch, Michigan Department of Environmental Quality; Dr. Brian D. Keith, Indiana Geological Survey; Mr. Lawrence C. Wickstrom, Ohio Geological Survey.

Industry: Mr. Donald J. Bailey, Consultant; Mr. Jimmy R. Myles, Scott Energy; Mr. Dan E. Pfeiffer, Pfeiffer Exploration Services.

A complete listing of all contributors will be found in the Stratigraphic Lesson for Michigan, of which this column is an integral part.

RELATED TERM CORRELATION

STRATIGRAPHIC POSITION	RELATED TERMS
Ionia Fm	Jurassic Red Beds
Michigan Fm	Clare Dolomite, Brown Lime, Stray Dolomite, Stray Sandstone, Stray-Stray Sandstone, Stray-Stray Sandstone, Topse Gap
Cadwater Sh	Cadwater Red Rock, Speckled Dolomite, Wier Sand
Antrim Sh	Charlton Black Shale Member, Elltrim, Chester Black Shale Member, Upper Black Shale, Light Antrim, Lower Black, Lower Antrim, Middle Antrim, Middle Gray Antrim, Dark Antrim, Middle Gray Shale, Unit 1A, Unit 1B, Unit 1C, Crappo Creek Gray Shale Member
Dundee Ls	Reed City Member/Dolomite/Anhydrite
Lucas Fm	Freer Sandstone, Homer Member, Iuzt Member, Massive Salt/Anhydrite, Sour Zone, Big Anhydrite, Ruffed Zone/Member/Carbonate, Big Salt
Annenburg Fm	Filer Sandstone, Midrum Member, Black Lime
St. Ignace Dolomite	Salina H Unit
Salina S Unit	Big Salt, B Salt
Ruff Formation	Salina A-1 Carbonate, Rabbit Ears Anhydrite, Can Fm
Can Fm	Salina A-0 Carbonate
Gueph Dolomite	Brown Niagara, Niagara Reef, Pinnacle Reef, Engadine Dolomite
Lockport Dolomite	Gray Niagara, White Niagara
Burr Bluff Gr	Clinton Formation
Trenton Fm	Cap Dolomite
Black River Fm	Vin Wert Zone, Sneaky Peak, Black River Shale
Glenwood Fm	Goodwell Unit, Zone of Unconformity
St. Peter Sandstone	Bruggers Sandstone, Jordan Sandstone, Knox Sandstone, Massive Sand
France du Chien Gr	Knier Formation, New Richmond Sandstone, Lower Knox Carbonate, St. Lawrence Formation, TPOC, Onondaga Dolomite, Brazos Shale
Tempeleau Fm	Lodi Formation
Galesville Ss	Dresbach Sandstone
Pre-Mt. Simon Clastics	Precambrian "Red Beds"

LEGEND

