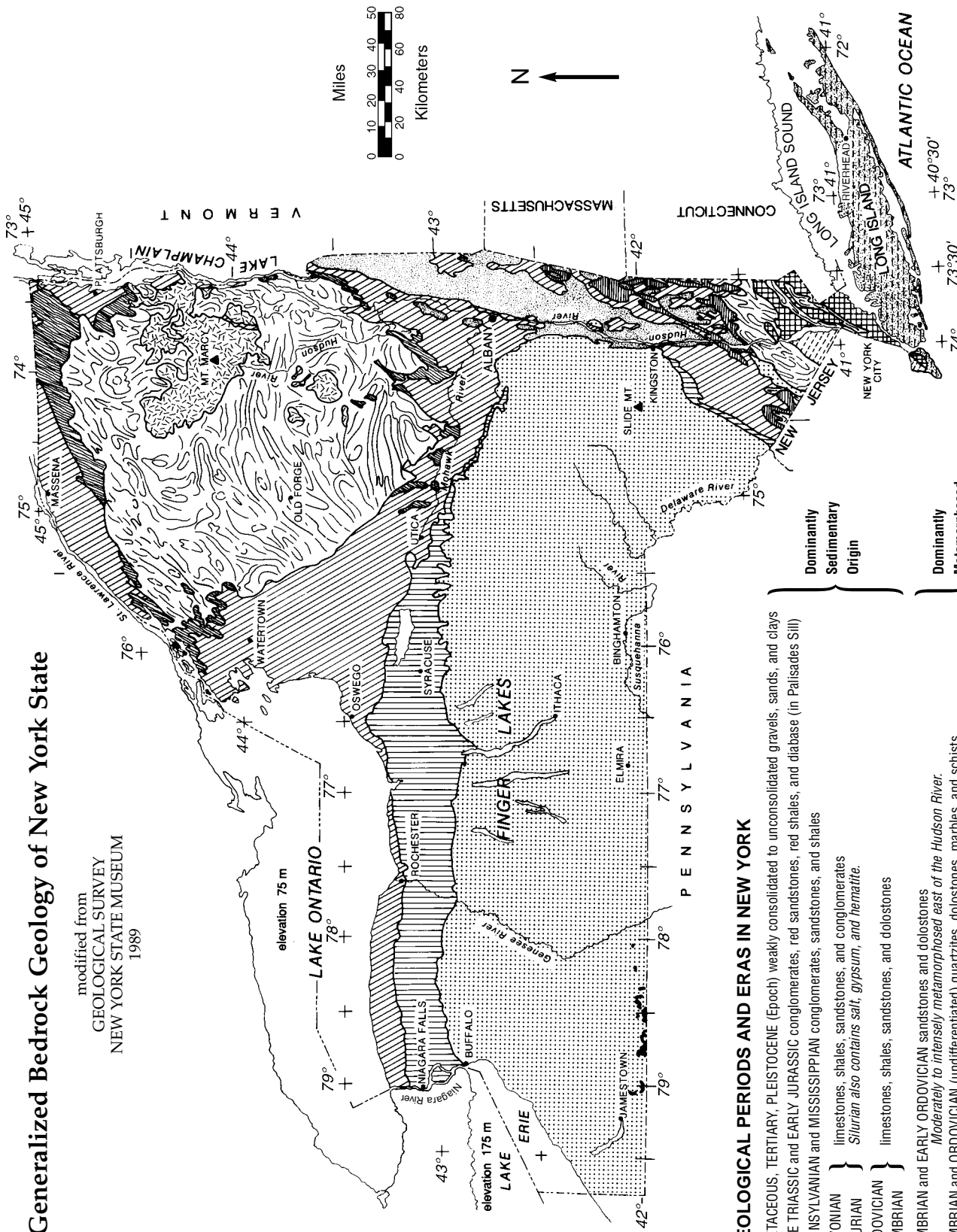


# Generalized Bedrock Geology of New York State

modified from  
 GEOLOGICAL SURVEY  
 NEW YORK STATE MUSEUM  
 1989



## GEOLOGICAL PERIODS AND ERAS IN NEW YORK

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li> CRETACEOUS, TERTIARY, PLEISTOCENE (Epoch) weakly consolidated gravels, sands, and clays</li> <li> LATE TRIASSIC and EARLY JURASSIC conglomerates, red sandstones, red shales, and diabase (in Palisades Sill)</li> <li> PENNSYLVANIAN and MISSISSIPPIAN conglomerates, sandstones, and shales</li> <li> DEVONIAN } limestones, shales, sandstones, and conglomerates</li> <li> SILURIAN } <i>Silurian also contains salt, gypsum, and hematite.</i></li> <li> ORDOVICIAN } limestones, shales, sandstones, and dolostones</li> <li> CAMBRIAN }</li> </ul> | <ul style="list-style-type: none"> <li> CAMBRIAN and EARLY ORDOVICIAN sandstones and dolostones<br/><i>Moderately to intensely metamorphosed east of the Hudson River.</i></li> <li> CAMBRIAN and ORDOVICIAN (undifferentiated) quartzites, dolostones, marbles, and schists<br/><i>Intensely metamorphosed; includes portions of the Taconic Sequence and Cortland Complex.</i></li> <li> TACONIC SEQUENCE sandstones, shales, and slates<br/><i>Slightly to intensely metamorphosed rocks of CAMBRIAN through MIDDLE ORDOVICIAN ages.</i></li> <li> MIDDLE PROTEROZOIC gneisses, quartzites, and marbles<br/><i>Lines are generalized structure trends.</i></li> <li> MIDDLE PROTEROZOIC anorthostatic rocks</li> </ul> |
|---|---|

**Dominantly Sedimentary Origin**

**Dominantly Metamorphosed Rocks**

# Surface Ocean Currents

