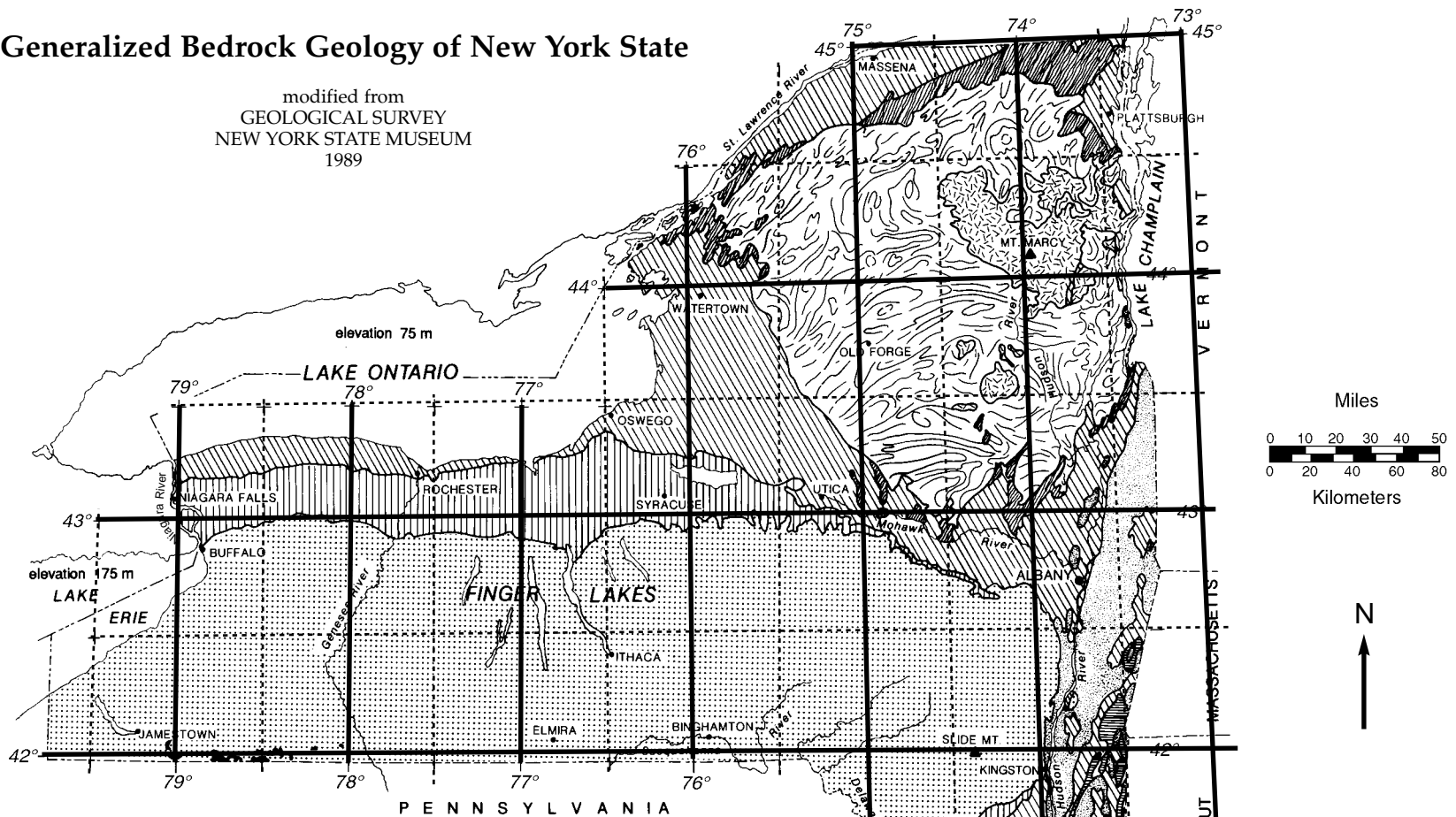


# Generalized Bedrock Geology of New York State

modified from  
GEOLOGICAL SURVEY  
NEW YORK STATE MUSEUM  
1989



## GEOLOGICAL PERIODS AND ERAS IN NEW YORK

- |  |   |   |                                  |
|--|---|---|----------------------------------|
|  | CRETACEOUS, TERTIARY, PLEISTOCENE (Epoch) weakly consolidated to unconsolidated gravels, sands, and clays   | } Dominantly Sedimentary Origin   |                                  |
|  | LATE TRIASSIC and EARLY JURASSIC conglomerates, red sandstones, red shales, and diabase (in Palisades Sill)   |   |                                  |
|  | PENNSYLVANIAN and MISSISSIPPIAN conglomerates, sandstones, and shales   |   |                                  |
|  | DEVONIAN } limestones, shales, sandstones, and conglomerates  |   |                                  |
|  | SILURIAN } Silurian also contains salt, gypsum, and hematite.   |   |                                  |
|  | ORDOVICIAN } limestones, shales, sandstones, and dolostones   |   |                                  |
|  | CAMBRIAN }  |   |                                  |
|  | CAMBRIAN and EARLY ORDOVICIAN sandstones and dolostones<br><i>Moderately to intensely metamorphosed east of the Hudson River.</i>   |   | } Dominantly Metamorphosed Rocks |
|  | CAMBRIAN and ORDOVICIAN (undifferentiated) quartzites, dolostones, marbles, and schists<br><i>Intensely metamorphosed; includes portions of the Taconic Sequence and Cortlandt Complex.</i> |   |                                  |
|  | TACONIC SEQUENCE sandstones, shales, and slates<br><i>Slightly to intensely metamorphosed rocks of CAMBRIAN through MIDDLE ORDOVICIAN ages.</i>   |   |                                  |
|  | MIDDLE PROTEROZOIC gneisses, quartzites, and marbles<br><i>Lines are generalized structure trends.</i>  |   |                                  |
|  | MIDDLE PROTEROZOIC anorthositic rocks   | } Intensely Metamorphosed Rocks<br>(regional metamorphism about 1,000 m.y.a.) |                                  |