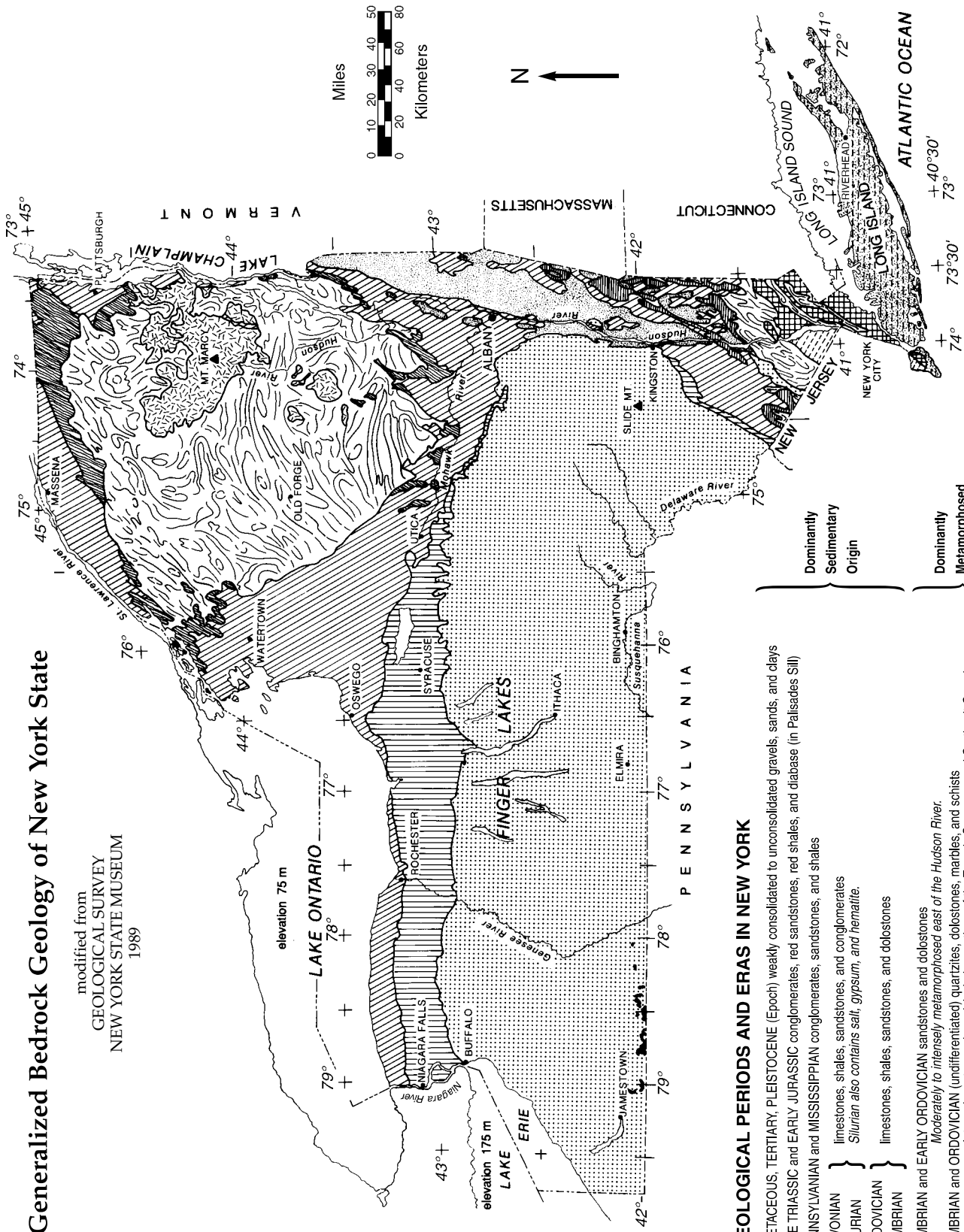


Generalized Bedrock Geology of New York State

modified from
GEOLOGICAL SURVEY
NEW YORK STATE MUSEUM
1989

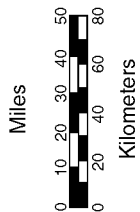


GEOLOGICAL PERIODS AND ERAS IN NEW YORK

- CRETACEOUS, TERTIARY, PLEISTOCENE (Epoch) weakly consolidated gravels, sands, and clays
- LATE TRIASSIC and EARLY JURASSIC conglomerates, 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 } limestones, shales, sandstones, and dolostones
- CAMBRIAN and EARLY ORDOVICIAN sandstones and dolostones
Moderately to intensely metamorphosed east of the Hudson River.
- CAMBRIAN and ORDOVICIAN (undifferentiated) quartzites, dolostones, marbles, and schists
intensely metamorphosed; includes portions of the Taconic Sequence and Corlandt Complex.
- TACONIC SEQUENCE sandstones, shales, and slates
Slightly to intensely metamorphosed rocks of CAMBRIAN through MIDDLE ORDOVICIAN ages.
- MIDDLE PROTEROZOIC gneisses, quartzites, and marbles
Lines are generalized structure trends.
- MIDDLE PROTEROZOIC anorthositic rocks
Intensely Metamorphosed Rocks
(regional metamorphism about 1,000 m.y.a.)

Dominantly
Sedimentary
Origin

Dominantly
Metamorphosed
Rocks



Surface Ocean Currents

