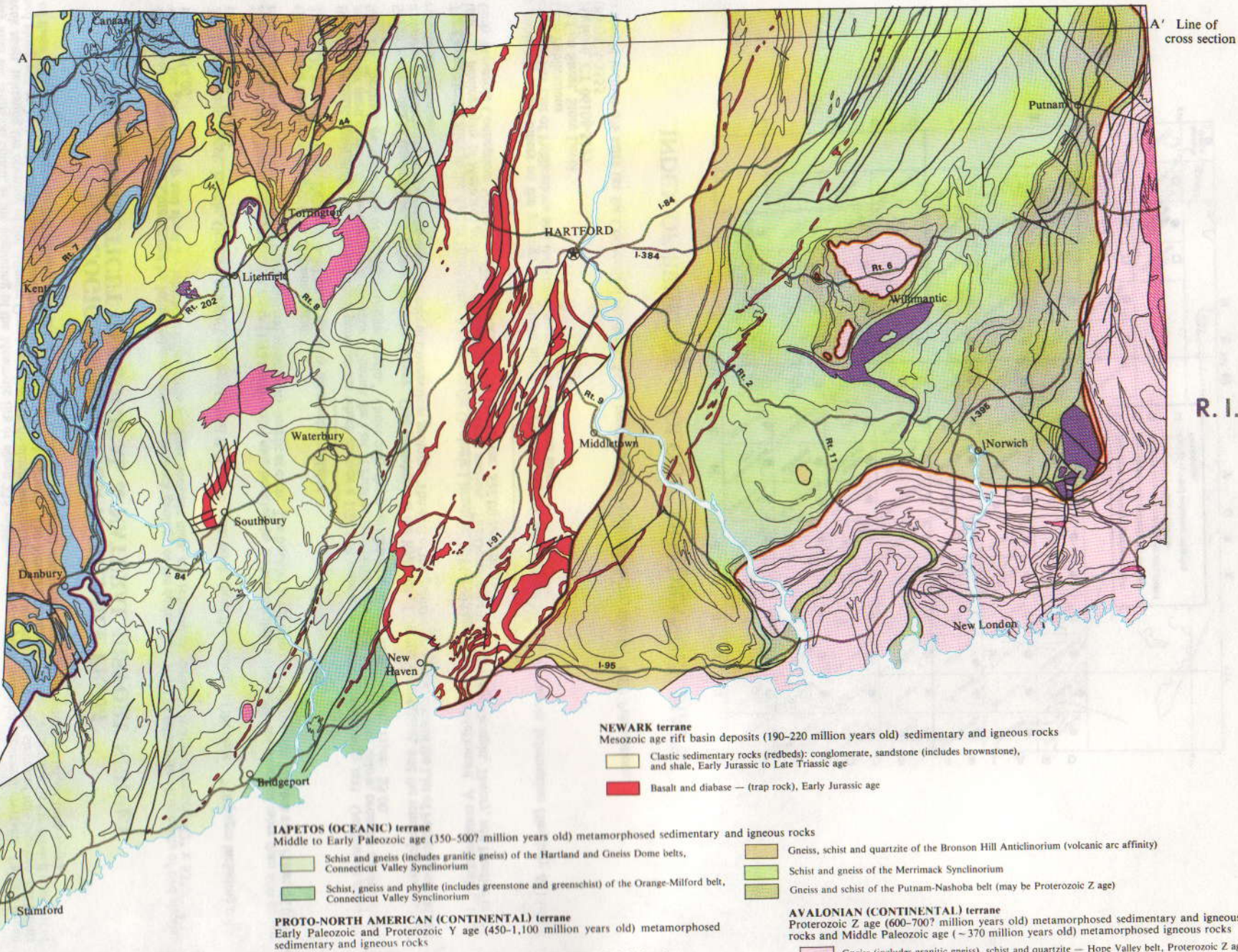
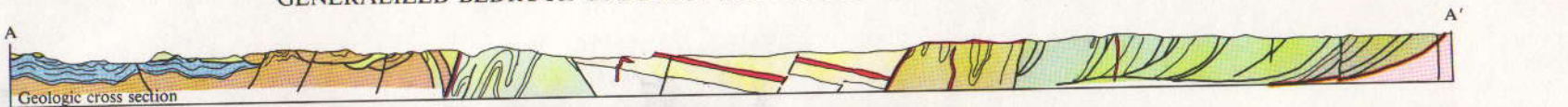


GENERALIZED BEDROCK GEOLOGIC MAP OF CONNECTICUT

THE CONNECTICUT GEOLOGICAL & NATURAL HISTORY SURVEY
 Department of Environmental Protection
 1990
 reprinted 1996



- Honey Hill — Lake Char Fault
- Eastern Border Fault
- "Cameron's Line" (fault)
- Other faults
- Selected geologic boundaries

N. Y.

R. I.



SCALE 10 MILES

NEWARK terrane
 Mesozoic age rift basin deposits (190-220 million years old) sedimentary and igneous rocks

- Clastic sedimentary rocks (redbeds): conglomerate, sandstone (includes brownstone), and shale, Early Jurassic to Late Triassic age
- Basalt and diabase — (trap rock), Early Jurassic age

IAPETOS (OCEANIC) terrane
 Middle to Early Paleozoic age (350-500? million years old) metamorphosed sedimentary and igneous rocks

- Schist and gneiss (includes granitic gneiss) of the Hartland and Gneiss Dome belts, Connecticut Valley Synclinorium
- Schist, gneiss and phyllite (includes greenstone and greenschist) of the Orange-Milford belt, Connecticut Valley Synclinorium
- Gneiss, schist and quartzite of the Bronson Hill Anticlinorium (volcanic arc affinity)
- Schist and gneiss of the Merrimack Synclinorium
- Gneiss and schist of the Putnam-Nashoba belt (may be Proterozoic Z age)

PROTO-NORTH AMERICAN (CONTINENTAL) terrane
 Early Paleozoic and Proterozoic Y age (450-1,100 million years old) metamorphosed sedimentary and igneous rocks

- Schist of the Taconic Allochthons (displaced Iapetos Terrane), Early Paleozoic age
- Marble, schist and quartzite of a continental shelf sequence, Early Paleozoic age
- Gneiss (includes granitic gneiss) and schist of "Grenville" basement, Proterozoic Y age (~1.1 billion years old)

AVALONIAN (CONTINENTAL) terrane
 Proterozoic Z age (600-700? million years old) metamorphosed sedimentary and igneous rocks and Middle Paleozoic age (~370 million years old) metamorphosed igneous rocks

- Gneiss (includes granitic gneiss), schist and quartzite — Hope Valley belt, Proterozoic Z age
- Gneiss (includes granitic gneiss) of Proterozoic Z age intruded by Middle Paleozoic granitic plutons — Esmond-Dedham belt

SELECTED PLUTONIC ROCKS

- Granite, nonfoliated, Late to Middle Paleozoic age (270-370 million years old)
- Gabbro and related rocks, Middle Paleozoic age (350-450 million years old)