

**Merguerian, Charles, 1981c, Tectonic History of New York City area.**

An examination of bedrock in the New York City area indicates the presence of lithologies that are not a part of the Cambro-Ordovician Inwood-Manhattan Miogeoclinal Succession. In particular, bedrock in northwestern Manhattan and, locally, in Central Park, appears to be lithically similar to rocks I've mapped as the Waramaug Formation in western Connecticut and rocks mapped as the Manhattan B-C by Leo Hall in southeastern New York. Detailed mapping and sampling is in progress in an attempt to recognize older (Taconic?) mylonitic fabrics that will help delineate the boundaries of possible allochthonous rocks. The serpentinites in the subsurface of western Manhattan and eastern New Jersey and exposures on Staten Island are suggestive of ophiolitic scraps. It will be interesting to see whether there is a geographical association between these serpentinites and heretofore unrecognized faults bounding the allochthonous rocks. The presence status of my work is preliminary on the whole with scattered detailed bedrock mapping completed thus far.

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