Yngrar W. Isachsen Lawrence V. Rickard Donald W. Fisher after BEDROCK GEOLOGY Cambrian - Ordovician Devonian, Early Upper Ordovician Siluvian Cambrian Devonian, Lower and Middle Devonian, Late Upper Pennsylvannian, Lower and Mississippian, PALEOZOIC (570-225 million years ago) ORLEANS Metasedimentary and Metavolcanic Metanorthosite Charnockitic and Syenitic Gneiss **Granite Gneiss** Undifferentiated Precambrian (not on this map) Metagabbro PRECAMBRIAN (pre 1,100 - 570 million years ago) (all high grade metamorphic rocks) Triassic, Upper [" Cretaceous, Upper SOURCE: New York State Geological Survey and the University of the State of New York, The State Education Department. Pleistocene: Glacial deposits of sand, gravel, clay, and till mantle much of the State and nearly all of Long Island, but only the underlying bedrock is shown on Mesozoic (225 - 65 million years ago) Cenozoic (65 million years ago - present)