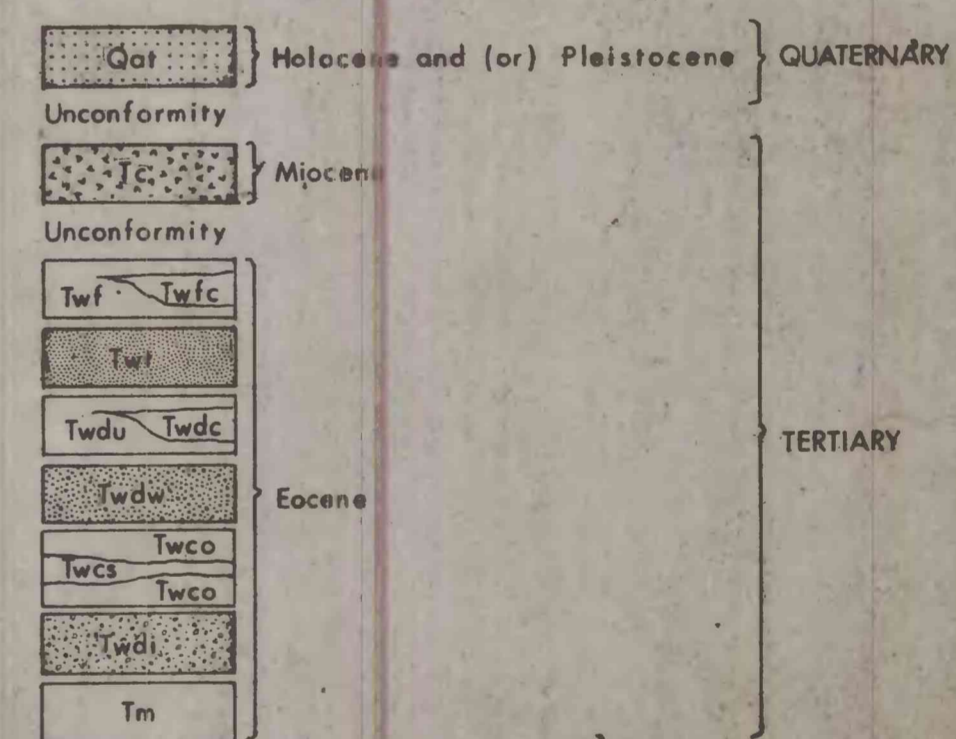


U.S. Geological Survey
 OPEN FILE REPORT
 This illustration is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.



CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

- ALLUVIUM (HOLOCENE AND (OR) PLEISTOCENE)—Unconsolidated gravel, sand, clay, and soil along rivers and streams, partly in terraces
 - CATAMOULA TUFF (MIOCENE)—Pink, calcareous, montmorillonitic, tuffaceous claystone, sandstone, and conglomerate containing pebbles of volcanic rock
 - WHITSETT FORMATION (EOCENE)—
 - Fashing Clay Member—Gray, calcareous, montmorillonitic, zeolitic, fossiliferous clay and tuff containing some beds of lignite, coquina, and sandstone
 - Channel deposit of mudstone and medium-grained crossbedded sandstone
 - Tordilla Sandstone Member—Yellowish-gray, fine-grained, arkosic, tuffaceous, fossiliferous sandstone, siliceous in places, containing *Ophiomorpha* and root impressions, deposited in a beach environment
 - Dubose Clay Member—Gray, montmorillonitic, tuffaceous clay and siltstone containing a few thin beds of lignite
 - Channel deposits containing mudstone and medium-grained, crossbedded sandstone
 - Deweesville Sandstone Member—Light gray to light-yellowish-brown, fine-grained, arkosic, tuffaceous, crossbedded sandstone containing *Ophiomorpha* and root impressions, deposited in a beach environment
 - Conquista Clay Member—Gray, tuffaceous, montmorillonitic, fossiliferous, siliceous, carbonized mudstone
 - A localized bed of fine-grained, fossiliferous, lagoonal sandstone
 - Dilworth Sandstone Member—Light gray to light-yellowish-brown fine-grained sandstone containing *Ophiomorpha* and root impressions, deposited in a beach environment
 - MANNING FORMATION (EOCENE)—Gray, tuffaceous zeolitic mudstone
- Contact
 Fault—Dashed where approximately located, dotted where concealed. U, upthrown side; D, downthrown side
 Joint—Dashed where approximately located; dotted where concealed
 Distributary channel in subsurface—Approximately located
 Uranium mine—open pit, ore pits, waste pile
 Tailings pond
 Direction of convex side of ore roll
 Direction of hypothesized movement of uranium-bearing surface or ground water