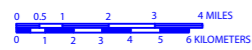
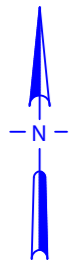


THIS IS AN INTERIM GEOLOGIC MAP.
EDITING AND EDGE MATCHING HAVE
NOT BEEN COMPLETED. UPDATING
AND CORRECTING ARE CONTINUING.



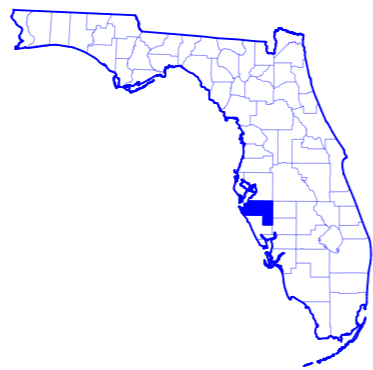
SCALE

GEOLOGIC MAP OF MANATEE COUNTY FLORIDA

BY
KEN CAMPBELL PG. #192
1993



WALTER SCHMIDT
STATE GEOLOGIST AND CHIEF



SARASOTA COUNTY

EXPLANATION

- QUATERNARY**
- Qh/Qph- Holocene sediments consisting of quartz sand with minor amounts of organic matter and clay associated with lagoonal deposits. Mostly beach and dune sands along present coastline. No formations recognized.
 - Qr- Holocene fluvial and lacustrine sands, clays, marls and peats. No formations recognized. Used in peninsular area only.
 - Qsu- Shell beds, undifferentiated. Includes sediments previously placed in units primarily differentiated by the included fauna (e.g. the Caloosahatchee, Ft. Thompson, and Nashua Formations, Pinecrest Beds).
 - Qu- Undifferentiated surficial sands, clayey sands, clays, marls and peats >20 feet thick. No formations recognized.
- TERTIARY**
- Tha- Arcadia Formation (undifferentiated) of the Hawthorn Group. Consists predominantly of carbonates which are variably quartz and phosphate sandy and clayey. Sand and clay beds are often present. Dolostone is generally the dominant carbonate component except in the Tampa Member.
 - Thpb- Bone Valley Member of the Peace River Formation, Hawthorn Group. Consists of pebble- or gravel-sized phosphate fragments and sand-sized phosphate grains in a matrix of quartz sand and clay. Percentages of the various components are highly variable.
 - Thpr- Peace River Formation of the Hawthorn Group. Consists of interbedded quartz sands, clays and carbonates, all of which are variably phosphatic.

HILLSBOROUGH COUNTY

HARDEE COUNTY

SARASOTA COUNTY

DESOTO COUNTY

SARASOTA COUNTY