



DIAGRAM SHOWING CENOZOIC ROCKS IN PARTS OF POLK AND HARDEE COUNTIES, FLORIDA

468599 O - 59 (In pocket) No. 3

- EXPLANATION**
- Surficial sand
Loose, massive quartz sand; probably partly Recent wind deposit and partly residual; position of contact uncertain in places
 - Calcareous sand
Possible equivalent to Bone Valley formation
 - Micaceous sand
White to brown, clayey, generally medium-grained quartz sand
 - Micaceous sand
White, locally dark green, clayey, very fine- to fine-grained quartz sand; local concentrations of phosphorite nodules in lower part (loc. 54)
 - Hawthorn formation (sand unit)
Gray to brown, fine-grained quartz sand; interstitial secondary phosphates; more radioactive than Haines City sand (gamma-ray logs not shown); position of upper contact uncertain
 - Hawthorn formation (phosphorite unit)
Gray to brown, clayey quartz sand and phosphorite; fine-grained quartz sand; phosphorite nodules are as large as pebbles
 - Hawthorn formation (limestone unit)
Clayey, sandy limestone; phosphorite nodules are as large as pebbles
 - Tampa limestone (limestone unit)
Clayey, sandy, phosphatic limestone
 - Ocala limestone
Almost pure limestone
- TERTIARY AND QUATERNARY**
- Upper Miocene(?) to Recent
 - Middle and upper Miocene
 - Middle Miocene
 - Lower Miocene
 - Eocene
- TERTIARY**
- Contact
 - Dashed where approximately located
 - Locality 31
 - Holes drilled into only top few inches of limestone
 - Drill hole