

OWNER: Pamita Corporation
(Lakeville Estates)
DRILLER: Layne-Atlantic Co.
COUNTY: Princess Anne

VDMR # 653
WWCR # 57
DEPTH: 106'

SAMPLE EXAMINATION

PLEISTOCENE

DISMAL SWAMP fm.

- 0-10 Sand-light colored, fine to coarse grained, rounded to subangular, quartz 90%, feldspar 5%, trace of apatite nodules, blue quartz, and shell fragments
- 10-20 Sand-as above with increase of shell fragments, trace of glauconite
- 20-30 Sand-light colored, fine to coarse grained, rounded to subangular, quartz 90%, feldspar 5%, apatite 1%, trace of shell fragments
- 30-40 Sand-light gray, medium to coarse grained, rounded to subangular, quartz 90%, feldspar 5%, shell fragments 5%, trace of apatite
- 40-50 Sand-gray, fine to medium grained, rounded to subangular, quartz 95%, shell fragments 5%, trace of apatite and muscovite

MIOCENE

YORKTOWN fm.

- 50-60 Siltstone-gray, very fine grained, calcareous, argillaceous, quartz 90%, shell fragments 5%
- 60-70 Mudstone-gray, silty, calcareous, glauconitic, 5% shell fragments
- 70-80 Same as above
- 80-90 Sand-gray, coarse to very coarse grained, rounded, quartz 95%, shell fragments 2%, trace of glauconite, blue quartz, and apatite
- 90-100 Same as above
- 100-105 COQUINA-60% shell fragments and small macrofossil shells [Turritella Alticosta (Conrad), Nassa sp. and Mulinia congesta (Conrad)] 40% quartz sand, gray, fine to very coarse grained, subangular, trace of apatite and muscovite

GEOLOGIC SUMMARY

PLEISTOCENE
MIOCENE

DISMAL SWAMP fm.
YORKTOWN fm.

0-50
50-105

VIRGINIA DIVISION OF MINERAL RESOURCES
Merrick S. Whitfield, Geologist
May 3, 1962