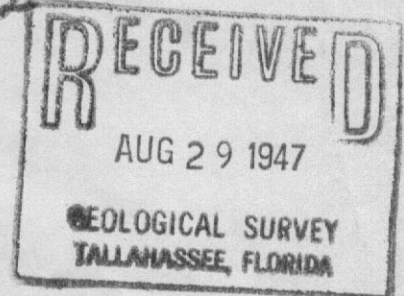


W-1502

MAGNOLIA
NO. 1-A STATE BLOCK 5-B
FRANKLIN COUNTY, FLORIDA



CORE DESCRIPTIONS

- Core No. 1, 3490'-3504'. Recovered 12 feet.
12'0" Chalk, light gray, fine, firm, with abundant small forams; a few stylolites and thin shale beds.
- Core No. 2, 4402'-4412'. Recovered 3 feet.
3'0" Chalk, light gray to gray and argillaceous, grading to gray, chalky shale; a few pelecypod shells.
- Core No. 3, 4590'-4605'. Recovered 14-1/2 feet.
14'6" Chalk and shale, gradational and in alternating beds, speckled; a few pelecypod shells and, in some chalk beds, many forams; fine pyrite and silt to very fine sand in residue after HCl.
- Core No. 4, 4605'-4618'. Recovered 13 feet.
13'0" Chalk and shale, as in preceding core, more shaly.
- Core No. 5, 4618'-4630'. Recovered 12 feet.
12'0" Chalk and shale, as in preceding cores; Inoceramus shells and impressions.
- Core No. 6, 4630'-4645'. Recovered 15 feet.
15'0" Chalk and shale, as in preceding cores, part sandier.
- Core No. 7, 4645'-4660'. Recovered 13-1/4 feet.
13'3" Chalk and shale, as in preceding cores.
- Core No. 8, 4660'-4675'. Recovered 14-1/4 feet.
14'3" Chalk and shale, as in preceding cores.
- Core No. 9, 4675'-4690'. Recovered 13-3/4 feet.
13'9" Chalk and shale, as in preceding cores.
- Core No. 10, 4690'-4710'. Recovered 19 feet.
19'0" Chalk and shale, as in preceding cores.
- Core No. 11, 4710'-4730'. Recovered 16-1/2 feet.
9'6" Chalk and shale, as in preceding cores, much of it very sandy.
6'0" Sandstone, gray, fine, hard, tight, chalky and shaly with a few shale laminae; muscovitic and containing pyrite nodules and, in the lower part, phosphatic fish vertebrae.
1'0" Chalk, gray, slightly dolomitic, argillaceous and speckled; very sandy and with streaks of hard, tight sandstone.
- Core No. 12, 4766'-4771'. Recovered 3-3/4 feet.
3'9" Shale, gray to dark gray, fine, hard, brittle, calcareous, with laminae of fine, tight sandstone.
- Core No. 13, 5138'-5144'. Recovered 6 feet.
1'0" Limestone, gray, slightly green, mottled, crystalline, hard, tight, very sandy and with sandstone streaks; fossiliferous and with some green-gray shale at the top.
5'0" Shale, dark gray to black, hard, brittle, tends to exfoliate but sandy at base; ostracods, pelecypods and, at base, small fish teeth.

Core No. 14, 5144'-5156'. Recovered 12 feet.

- 3'6" Shale, dark gray to black, sandy especially at the top; few ostracods and pelecypod shells and, in bottom foot, abundant Gryphaea sp.
- 4'0" Limestone, light gray, fine, hard, sandy, grading to and interbedded with shale; many shells, including Gryphaea, especially in the upper part.
- 4'6" Shale, black, hard, brittle, lighter and very sandy in the lower part; Gryphaea.

Core No. 15, 5179'-5189'. Recovered 9 feet.

- 9'0" Sandstone, nearly white, fine, very soft and porous, with some muscovite and chloritic biotite.

Core No. 16, 5310'-5331'. Recovered 18-1/2 feet.

- 8'3" Shale, gray to dark gray with thin sandstone beds; in middle part a 3-foot bed of porous, micaceous sandstone.
- 3'0" Shale, ditto with thin beds of hard limestone; pelecypod shells and ostracods.
- 4'6" Limestone, gray, hard, dense, argillaceous and sandy; abundant pelecypod shells in bottom foot.
- 2'9" Shale, similar to shale at top of core; upper part fossiliferous.

Core No. 17, 5331'-5345'. Recovered 9-1/2 feet.

- 1'3" Sandstone and shale, as in preceding core.
- 1'6" Limestone, gray, fine, hard, silty, small ostracods and pelecypod shells.
- 3'0" Shale, as above but only slightly sandy; pelecypod shells.
- 3'9" Sandstone, gray, fine, well sorted, firm, slightly porous; partings of dark gray shale, muscovite and chloritic biotite.

Core No. 18, 5345'-5361'. Recovered 15 feet.

- 2'0" Sandstone, similar to that in preceding core but bottom part shaly; many pelecypod shells.
- 13'0" Sandstone, ditto but tighter and with much shale; pelecypod shells and a few fusain fragments in some sandstones.

Core No. 19, 5363'-5370'. Recovered 3-1/2 feet.

- 3'6" Sandstone and shale as in preceding core.

Core No. 20, 5431'-5451'. Recovered 13-3/4 feet.

- 13'9" Sandstone, light gray, fine, well sorted, soft to firm, porous with a little muscovite and chloritic biotite; thin beds of dark gray, sandy shale, especially near the base.

Core No. 21, 5451'-5470'. Recovered 9-3/4 feet.

- 9'9" Sandstone, as in preceding core but with very little shale, with muscovite and chloritic biotite; more porous parts "ashy"; lignite laminae and fusain fragments, part pyritic, abundant in lower part.

Core No. 22, 5470'-5489'. Recovered 12-3/4 feet.

- 12'9" Sandstone, as in preceding core but tighter and shalier especially in the lower part; rare fusain fragments.

Core No. 23, 6495'-6515'. Recovered 16-1/2 feet.

- 12'6" Sandstone, gray, fine, angular, firm and friable to rather tight; few thin shale beds and, near the middle, a 1-foot zone bearing flattened shale balls; muscovite and biotite, part chloritic, and zones containing abundant fusain fragments.
- 4'0" Shale, dark gray to black with irregular, thin sandstone beds; many fragile pelecypod shells and fusain fragments, especially in the bottom part.

Core No. 24, 7002'-7019'. Recovered 15-1/2 feet.

- 10'6" Shale, dark red and very sandy, micaceous; bottom part nearly a sandstone and lighter red.
- 1'0" Sandstone, gray and pink, platy with thin beds of dark gray shale; muscovite and chloritic biotite throughout.
- 3'0" Sandstone, light gray and pink, medium-fine, angular, well sorted, firm, friable and porous; little muscovite and chloritic biotite.
- 1'0" Shale, dark red, hard, very sandy and micaceous in the top half.

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