

Pleistocene:

	FEET.
Thin-bedded drab to yellow sandy clay.....	10
Reddish-brown sand, containing fossil casts.....	4
Dark bluish-gray sandy clay indurated in places, containing many small <i>Pelecypod</i> shells.....	16

Fossil bones are reported to occur in the base of the section which was concealed from view by the high water at the time the above observations were taken.

SECTION ON MEHERRIN RIVER, 1½ MILES ABOVE MURFREESBORO.

Pleistocene:

	FEET.
Reddish sandy loam, grading downward into a coarse reddish sand.	16

Miocene (St. Marys) :

Drab arenaceous clay, stained with iron at base.....	5
Shell bed in which the fossils are inclosed in a matrix of sandy clay bluish-green in color. The most common fossils are small <i>Pelecypoda</i> , <i>Mulinia congesta</i> being especially abundant.....	2½
Bluish-green sandy clay similar to above stratum, but with few fossils	10
Shell marl containing characteristic Miocene fossils inclosed in a matrix of gray to yellow sand.....	5
Yellow to gray sand, containing fewer fossils.....	5
Shell marl, matrix consisting of a dark greenish-gray sand or sandy clay. Some large bones were observed in this basal layer	2½

The following species of fossils have been determined from this locality:

GASTROPODA :

Cadulus thallus Conrad.
Calliostoma bellum Conrad.
Calliostoma briani Conrad.
Calliostoma philanthropus Conrad.
Crepidula aculeata Gmelin var. *costata* Morton.
Crepidula plana Say.
Crucibulum constrictum Conrad.
Crucibulum grande Say.
Dentalium attenuatum Say.
Ecphora quadricostata Say.
Fissuridea catelliformis Rogers.
Fissuridea redimicula Say.
Fossarus lyra Conrad.
Ilyanassa isogramma Dall.
Nassa scalaspira Conrad.
Polynices duplicatus Say.
Polynices heros Say.
Ptychosalpinx altilis Conrad.

Ptychosalpinx tuomeyi H. C. Lea.

Scalaspira strumosa Conrad.

Turbonilla interrupta Totten.

Turritella variabilis Conrad.

PELECYPODA :

Asaphis centenaria Conrad.

Astarte coheni Conrad.

Astarte symmetrica Conrad.

Astarte undulata Say.

Chama congregata Conrad.

Chama corticosa Conrad.

Corbula inaequalis Say.

Crassatellites lunulatus Conrad.

Crassatellites undulatus Say.

Crepidula aculeata Gmelin var. *costata* Morton.

Diplodonta subvexa Conrad.

Dosinia acetabulum Conrad.

Ensis directus Conrad.

Gafrarium metastriatum Conrad.