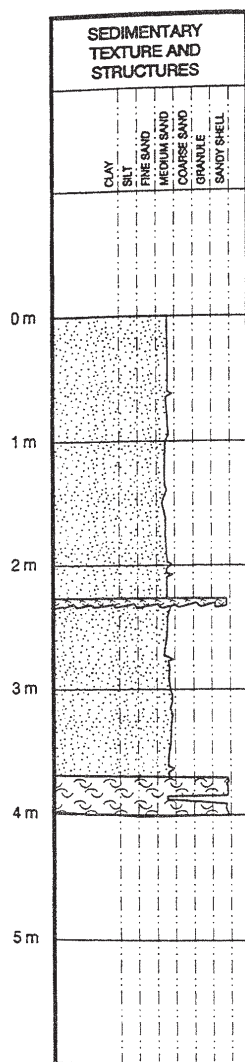


PEN-91-13
-31.09M water depth



LATITUDE: 29:51.31
LONGITUDE: 87:29.39

LOCATION: Mid to outer shelf off Perdido Key, FL (eastern flank of Mobile River lowstand)

Unit 2 0-369 cm (3.69m)

Light tan, massive, medium quartz sand with shell fragments throughout, shell fragments consist mainly of gastropods and pelecypods. Shells fine and disappear upward.

Sub-unit 2a 0-369 cm except at about 230 cm
Same as above.

Sub-unit 2b 225-230 cm
Possible erosional unconformity.
5 cm thick shell fragment zone dominated by pelecypods (clams)

Unit 1 369-397 cm (0.28m)

Crudely stratified sandy shell layer.

Sub-unit 1a 369-382 cm
Crudely stratified sandy (quartz) shell layer. Whole shells and fragments consist of pelecypods (calico clam [macrocallista maculata which is found in sand in water depths 2-20 m], Disk dosinia (clam) found in sand in lower intertidal zone rarely to water 3 m deep. Pennsylvania lucine [sand 0.6-76 m deep]) and gastropods common American anger ([sand from low-tide to 30m deep], Crenulated pyram [on sand from low-tide to 15m].

Sub-unit 1b 382-397 cm
Massive sandy shell layer dominated by gastropods (lettered olive, common American auger, common Nutmeg [low-tide to 15 m]) and pelecypods (dutch shoe, Tellin).