

CONVENTIONAL CORE DESCRIPTIONSESSO BASS-2

Core No. 1 (2504-2532) Rec. 7 ft.

2504-2505(?) Mudstone: Grey green, very soft and plastic, calcareous, micromicaceous, very sparse carbonaceous flecks and fossiliferous, contains sparse calcareous pyritic nodules to ½" thick, fossils include echinoids, forams, bryozoa and pelecypod fragments(?)
Bottom 2" slightly more compact band.
Recovered additional 6 feet of core from ditch after trip: brought up by highly viscous mud.

Interval

2505-2511(?) (not in stratigraphic order)
Calcareous mudstone: as above, soft, fairly well compacted, sub conchoidal fracture along bedding surfaces in part. Abundant fossiliferous fragments, as above, also occasional large fenestellid bryozoa evident on rounded bedding surfaces. No apparent dip.

Core No. 2 (3025-3055) Cut 30 ft. Rec. 30 ft.

3025-3048 Silty sandstone: Light olive grey, very fine-medium grained, very argillaceous, calcareous, soft, friable, very glauconitic, abundant very fine-medium rounded grains of glauconite. Much pyrite, as fine euhedral crystals and pyritised fossil fragments and worm impressions; largely calcareous grains and minor quartzose material; fossiliferous including foraminifera, bryozoa, and pelecypods. Becomes more argillaceous and silty towards bottom of interval; thin brown-grey argillaceous lenses to ¼" thick parallel to bedding. No apparent dip. No effective porosity or permeability.

3048-3052 Silty mudstone: light olive grey, fairly soft, quite plastic after washing, waxy, micromicaceous, calcareous, pyritic, finely disseminated, pyritized fossil fragments as above.
Fossiliferous, as above. Non fissile (gradational from above interval).

3052-3055 Argillaceous siltstone: light olive grey-olive grey, fairly well compacted, calcareous, pyritic and micromicaceous, very fossiliferous, pyritized worm impressions, fenestellid bryozoans, pelecypod fragments to ¾" across, forams and fine calcareous fossil hash. Sparse very fine grains of glauconite, very fine carbonaceous flecks in residue.

Core No. 3 (3518-3532) Rec. 3 ft.

3518-3519 (Rec. 1 ft. of coarse chunks)
Sandstone: grey and buff, fine and medium grained, angular-rounded, fairly well sorted, (quartzose), very tough and compact, dolomitic and in part calcareous cement. Abundant grains of glauconite, tuffaceous and much finely disseminated pyrite.
Sparse dolomitized fossil fragments to 1/8" thick (foraminifera)

3519-3520.5 Sandstone: brown grey, mottled, fine-medium grained, angular-rounded, fairly well sorted, (quartzose), very loose and unconsolidated. An undolomitized version of the above sandstone.
Argillaceous and tuffaceous matrix, with fairly abundant clear mica flakes, approx. .2 mm across.