

Core 7 (5513-5540 ft) *P. asperpolus*

Dolomitic fine to medium-grained crevasse channel sand overlain by maroon shale with lenticular sands and a flotan(?) coal. The upper portion of the core overlying the coal is a transitional coarsen up sequence grading from a dark gray lake/embayment shale to very fine/fine bioturbated mouth bar sands.

Core 8 (5589-6019 ft) *P. asperpolus*

An overall progradation sequence consisting of regressive very fine to fine shoreface, beach/barrier sand overlain by a coal lagoonal/embayment sands and shales. Shoreface and barrier sand are characterized by horizontal to low angle and hummocky cross-stratified sand and carbonized rootlets at the top. Lagoonal sands fine upward and are bioturbated with flaser bedding grading into bioturbated lenticular shales. Marine dinoflagellate cysts were documented in this core.

Core 9 (6543-6562 ft) *M. diversus*

Bioturbated of shore/lake red/green shales with localized sand fills and lenticular ripples. Siderite concretions common.

Core 10 (7277-7327 ft) *M. diversus*

An argillaceous, very fine-grained rippled, bioturbated lagoonal sand overlying a coal.