

POONBOON - ICore 2 (8096-8118 ft) *M. diversus*

A series of stacked fining up fluvial channels prograding across lake/embayment sediments and a flotan coal deposit. Through cross-bedded channel sands are commonly medium to coarse grained with large sideritic intraclasts as channel lags. Lake/embayment sediments are medium-grained sand fill associated with gray/black shales and lenticular sands and localized sideritic concretions.

Core 3 (8802-8827 ft) *L. balmei*

A progradational sequence consisting of a series of stacked fluvial channels overlying embayment and marsh sediments. Trough to horizontal bedded coarse grained channel sands have quartz pebble interclast lags and thin coal laminations (coffee grounds).

Marsh sands are fine-grained and exhibit abundant bioturbation and root-lets with overlying embayment sediments consisting principally of gray shale with sand fills.

Core 4 (9954-9982 ft) *L. balmei*

An embayment/lagoon facies infilled by a series of stacked crevasse channels embayment. Shales are black, organic rich and commonly contain abundant plant fragments and thin coal lamina. Crevasse channels are fine to