

AROO-1

Cores 1 and 2 (9515-9570 ft) L. balmei

A gray lagoon/lake sideritic shale lying beneath (in sharp contact) a series of very fine to fine-grain sands. These sands appear to be episodic and are characterized by horizontal to planar bedding, bioturbation (skolithes), contorted bedding and rootlets and are interpreted as shoreface/beach. However, because of the strong suggestion of organics (rootlets, siderite) a marsh-like environment has to be considered.

Overlying interbedded washover/beach and black lagoonal/marsh shales and bioturbated sands are truncated by a series of prograding stacked fluvial channels and interbedded coals. Fining-up channel sands exhibit trough and planar cross bedding and coal interclast lags.