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cc to Ahmad Tabassi / John Menhennett  
(Geol Surv Victoria)

## 2: Palynology of Mocambo-11

The second batch of samples have proved somewhat disappointing compared to the first. Below 997m, five new samples have yielded no good assemblages. Do the lithologies look unfavourable? In addition, C. paradoxa occurs as a rare element at 979m, 906m, and 609m, where I presume it represents contamination. As two of these are cores, the contamination is probably from the laboratory. The breakdown possible is

9.8m (core) - 28.8m (core) : upper paradoxa zone : mid Albian : non-marine : immature

102.99m (core) : indeterminate

213.44m (core) - 360m (swc) : striatus zone : early Albian : non-marine : immature

414m (swc) - 907.6m (core) : hughesi zone : Aptian : non-marine : immature

965m (swc) - 1000m (core) : indeterminate (very lean)

1066.7m (core) : wonthaggiensis zone : late Neocomian : non-marine : immature

1161.8 (core) - 1346m (swc) : indeterminate (very lean of palynomorphs).

The poor yields are most frustrating and unusual in the basin. The large data gaps limit resolution. Do you want to send duplicate rock samples here for processing to see if we have a processing problem. I am happy to process up to 4 at no cost to you in an attempt to generate better data.

Regards,

Roger Morgan  
1/5/91