

TABLE-2: BASIC PALYNOLOGICAL DATA FOR FLINDERS-1, BASS BASIN.

SAMPLE TYPE	DEPTH (M)	YIELD	PALYNOMORPH CONCENTRATION	PRESERVATION	No S/P SPECIES*	MICROPLANKTON ABUNDANCE	No. MP SPECIES	COMMENTS
Cuttings	1602	High	Moderate	Fair-good	29	Frequent	8	Significant cavings.
Cuttings	1702	High	Low	Fair-good	12	Very rare	1	Highest carbonised fossils.
Cuttings	1790	High	Moderate	Poor-good	21	Rare	4	Mostly caved fossils.
Cuttings	1906	High	Low	Poor-good	15	Rare	3	Mixed light & dark fossils.
Cuttings	2071	Moderate	Low	Poor-good	10	Rare	4	Mostly caved fossils.
Cuttings	2125	High	Low	Poor	11	Very rare	2	Mostly caved fossils.
Cuttings	2155	Moderate	Very low	Very poor-fair	10	Very rare	2	Mainly carbonised fossils.
Cuttings	2304	High	Very low	Very poor	2	Very rare	1	Base of carbonised fossils.
Cuttings	2365.5	High	Moderate	Poor-good	23	Rare	5	Incoming of new assemblage.
Cuttings	2417	High	Moderate	Poor-fair	24	Very rare	3	Sample approximately <i>insitu</i> .
Cuttings	2461	High	Moderate	Poor-fair	27	Very rare	1	Some Eocene cavings.
Cuttings	2504	High	Moderate	Fair	24	Very rare	1	Frequent <i>L. balmei</i> .
Cuttings	2547	High	Moderate	Poor-fair	26	Rare	2	Obvious Eocene cavings.
Cuttings*	2559	High	Moderate	Poor-fair	13	Rare	1	
Cuttings*	2568	High	Moderate	Poor-fair	21	Rare	2	Some Eocene cavings.
Cuttings*	2583	High	Moderate	Poor-fair	14	Rare	2	
Cuttings	2607	High	Low	Poor	23	Very rare	1	
Cuttings	2675.5	High	Low	Poor	16	Very rare	1	Some fossils caved.
Cuttings	2688.5	High	Moderate	Poor-fair	13	NR		<i>Cyath. splendens</i> common.

* Microscope analysis by Roger Morgan.

* Diversity: Very Low = 1- 5 species
 Low = 6-10 species
 Moderate = 11-25 species
 High = 26-74 species
 Very High = 75+ species