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Preliminary examination for acid insoluble microfossils.

North Seaspray No. 1. Bore

Core samples from the Arco-Woodside Pty. Ltd.

North Seaspray No. 1. bore were treated by the hydrofluoric acid - Schulzes solution method, and the residue examined under the microscope for acid insoluble microfossils.

Core No.	Depth (feet)	Microfossils.
1.	19.6	Plant cellular debris.
3.	2739	Dinoflagellates.
Sidewall core	2927	Disaccate gymnosperms, <u>Proteacidites</u> , sp, <u>Triorites</u> sp, <u>Nothofagus</u> cf <u>N. falcata</u> . etc.
Sidewall core	3190	None isolated.
4.	3216	Dinoflagellates.
5.	3491	Dinoflagellates, <u>Proteacidites</u> sp.
Sidewall core	3663	Disaccate gymnosperm pollen.
Sidewall core	3731	<u>Apiculatisperia</u> sp. <u>Cirratiradites</u> sp. <u>Cicatricosisporites</u> sp. <u>Lycopodiumsporites</u> sp. etc.

Remarks.

Tertiary pollens and dinoflagellated organisms persist to Core 5 (3491 feet), but the assemblages are not composed of types sufficiently diagnostic to attempt stage subdivision. The pollens from 2927-3491 feet indicate deposition somewhere within the time range Eocene - Lower Miocene.

At 3663^{fd} a depauperate assemblage indicates Mesozoic sediments, which contain a large lower Cretaceous assemblage isolated from sidewall core from 3731 feet.

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