

PALYNOLOGICAL DETERMINATIONS FOR KINGFISH-5,
GIPPSLAND BASIN, AUSTRALIA

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SUMMARY

Of the three samples submitted from Kingfish, those from 8075 and 8193 feet contain palynomorphs indicative of the L.balmei spore-pollen zone. Recycled Early Cretaceous spores are present at 8193 feet. The palynological preparation from 7780 feet is barren.

ANALYSES

SWC 1 at 8193 feet

Age: Paleocene
Zone: L.balmei, confidence rating 0
Environment: Marginal marine
Kerogen Rating: 1+, immature

The residue from sidewall core 1 contains abundant cuticular and other organic debris together with relatively sparse spore-pollen and rare dinoflagellates. Recycled Early Cretaceous spores are present also.

SWC 2 at 8075 feet

Age: Paleocene
Zone: L.balmei, confidence rating 0
Environment: Marginal Marine
Kerogen rating: 1+, immature

The residue from sidewall core 2 is relatively free of cuticular material with most of the organic debris consisting of fragmented, dark, angular pieces of probably woody material. Spore-pollen are abundant, fairly diverse, fair to well preserved. Dinoflagellates are not only rare but are generally less well preserved than the spore-pollen. No recycled forms were observed.

SWC 3 at 7780 feet

Palynological preparation barren; kerogen preparation with insufficient organic material to permit analyses.