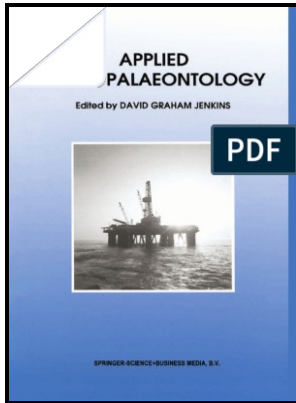


# Palaeosalinity analysis of the Solent Group (Eocene-Oligocene), the Hampshire Basin, UK

University of Portsmouth, School of Earth, Environmental and Physical Sciences - Eocene



Description: -

-palaeosalinity analysis of the Solent Group (Eocene-Oligocene), the Hampshire Basin, UK

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Tags: #Correlation #of #Eocene

## Correlation of Eocene

Above the Bembridge Limestone, limestones disappear and Galbais virtually absent. Algae, palynomorphs, nannofossils, dinoflagellates, macroscopic plants and wood, foraminiferans, molluscs, ostracodes, crustaceans, insects, arachnids, fish, amphibians, reptiles and mammals have all been described in about 100 papers, whereas there have been fewer than 10 articles on the sedimentology and mineralogy see references given by Daley 1999.

## Glacioeustasy during the middle Eocene? Insights from the stratigraphy of the Hampshire Basin, UK

These deposits demonstrate that significant downcutting took place at this sequence boundary, which was sufficient to cause extensive erosion of the older Palaeogene sediments and the Chalk, and flint conglomerates were transported northwards towards the proto-Solent in newly incised fluvial channels. Item Type: Thesis PhD Additional Information: uk. Spectral estimates by the Multitaper Method of Thomson 1982 of the tuned dataset on a logarithmic powerscale with ve tapers and a taper 3bandwidth product of three.

## Low

Rapid Cenozoic glaciation of Antarctica induced by declining atmospheric CO<sub>2</sub>. The right column of this figure shows the sedimentation rates that result from our time scale.

## [PDF] Correlation of Eocene

Interpretation of Eocene—Oligocene boundary events, Whitecliff Bay.

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In addition to a very strong c. Conglomeratic channel lags are well developed at the bases of Sequences 3—5 and a complex intraclastic lag in the Colwell Bay Member is exposed on the foreshore in Whitecliff Bay 97—100 m, Fig.

## **Low**

In the transgressive and lower highstand systems tracts, the deeper parts of the channels were infilled with higher salinity flood tide waters, and therefore contain brackish species. The succession displays seven conspicuous 10—20 m thick sequences, which represent transitions from transgressive estuarine environments through highstand floodplains to freshwater lakes. Relative sea level curve and eustatic.

### **Correlation of Eocene Oligocene marine and continental records: orbital cyclicity, magnetostratigraphy and sequence stratigraphy of the Solent Group, Isle of Wight, UK**

Modeling of XRD data reveals that the illite-smectite is a mixture of compositions overall 60—95% illite, R0, with high rotational stacking disorder. A progressive increase in the magnitude of sea-level change associated with successive 400 ka cycles is seen through the lower Solent Group Fig.

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