

DEPARTMENT OF MINES AND ENERGY  
SOUTH AUSTRALIA

Rept.Bk.No. 79/101

NORTH EAST AREA LIGHT RAIL LINE  
BORINGS  
- PALAEONTOLOGY INVESTIGATIONS -

GEOLOGICAL SURVEY

By

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BIOSTRATIGRAPHY DIVISION

August 1979

Biost.No. 6/79  
D.M. No. 207/79

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NORTH EAST AREA LIGHT RAIL LINE BORINGS  
- PALAEOLOGY INVESTIGATIONS -

Request Submitted: X.P. Sibenaler (1/8/79)

Bore B8 East:

LOCATION: County Adelaide  
Hd. Yatala, Sect. 477  
(Adelaide 1:250 000, Geological Sheet  
Reference 6628-III)  
Zone 54 E289390m N6136740m

SAMPLED AT: 14.6 - 14.7 m (Core)

LITHOLOGY: Siltstone, grey, glauconitic, slightly  
calcareous, very rare possible chert.

IDENTIFICATION OF STRATIGRAPHIC UNIT:

Blanche Point Formation (Late Eocene)

REMARKS: The fossils recognised in this sample  
include indeterminate internal moulds of  
molluscs, foraminifers and ostracods,  
as well as rare sponge spicules. Taking  
this into consideration, together with  
the lithology and the geographic position  
of the bore in the Highbury/Golden Grove  
Embayment, the interval sampled is almost  
certainly Blanche Point Formation.

Bore B9 East:

LOCATION: County Adelaide  
Hd. Adelaide  
Pt. Sect. 283  
(Adelaide 1: 250 000 Geological Sheet  
Reference 6628-III)  
Zone 54 E289390m N6136740m

SAMPLED AT: 8.0 - 8.3 m  
8.6 - 9.0 m (Core Samples)

LITHOLOGIES: Silt, and sand, richly glauconitic,  
quartzose, minor ferruginisation, rare  
pebbles of milky quartz, lithic fragments.

IDENTIFICATION OF STRATIGRAPHIC UNIT:

Blanche Point Formation OR more likely  
South Maslin Sand Member of the Maslin  
Sands.

REMARKS:

Rare internal moulds and poorly preserved molluscs are present in both samples. These with the lithology, suggest that the sampled interval is either a marginal facies of the Blanche Point Formation or more likely the South Maslin Sand. A better determination would be possible if the entire Eocene section could be studied from the bore rather than spot samples. The geographic position of the bore precludes assignment to younger Cainozoic units.

BJC:GU

A handwritten signature in cursive script, reading "Barry J. Cooper". The signature is written in dark ink and is positioned above the printed name and division.

Barry J. Cooper,  
BIOSTRATIGRAPHY DIVISION