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PALYNOLOGY OF SELECTED SAMPLES FROM THE
POONTANA STRUCTURE, FROME EMBAYMENT E.L.209
- BP Minerals Proprietary Limited -

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DEPARTMENT OF MINES
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PALYNOLOGY OF SELECTED SAMPLES FROM THE
POONTANA STRUCTURE, FROME EMBAYMENT E.L. 209

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by

WAYNE K. HARRIS

Rept.Bk.No. 77/37
G.S. No. 5865
EL. 209

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DEPARTMENT OF MINES
SOUTH AUSTRALIA

Rept. Bk. No. 77/37
G.S. No. 5865
EL. 209
Enw. 2608

PALYNOLOGY OF SELECTED SAMPLES FROM THE
POONTANA STRUCTURE, FROME EMBAYMENT E.L. 209

Location: Drill Hole 209-1 Lat. 30°15.3'S Long. 139°35'25"E *139°35'25" T. connect*
209-2 Lat. 30°15.3'S Long. 139°35'24"E *240"*
209-3 Lat. 30°15.2'S Long. 139°35'21"E *55"*
209-8 Lat. 30°15.6'S Long. 139°36'2'E *35' 55"*

FROME Sheet (SH54-10)

Province: Frome Embayment, Eromanga Basin.

Samples Examined: 18 cuttings samples from four drill holes as
tabulated below.

Results:	Drill Hole	Depth in metres	Sample No.	Age
	209-1	198-206	S4090	Barren
	209-1	234-247.5	S4091	"
	209-1	258-264	S4092	Cretaceous
	209-1	264-270	S4093	"
	209-1	288-294	S4094	"
	209-1	324-330	S4095	"
	209-1	351.05	S4096	"
	209-2	228-246	S4097	Barren
	209-2	246-260	S4098	"
	209-2	264-272	S4099	<u>Miocene</u>
	209-2	272-288	S4100	"
	209-2	291.00	S4101	"
	209-3	248-256	S4102	Barren
	209-3	260-272	S4103	"
	209-3	290-300	S4104	Miocene
	209-3	303.50	S4105	"
	209-8	194-210	S4106	Barren
	209-8	234-250	S4107	<i>T. reworked</i> Cretaceous

Remarks: All of the Miocene samples yielded abundant colonies of the freshwater alga, Pediastrum which dominates assemblages at the base of the Namba or Etadunna Formation. Thus, the age of these assemblages is Middle Miocene.

All of the Cretaceous samples are marine and of Early Cretaceous aspect.

There is no palynological indication of age of the samples labelled "barren".

WKH:FdeA
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