

ANNUAL REPORTS

PERMITS No's. 3; No. 4; No.5; No. 6
(1970 – Hematite)

TPR
OR-029

CONTENTS

Permit No. 3. For the Twelve months ending June 30th, 1970

Permit No. 4. For the Twelve months ending June 30th, 1970

Permit No. 5. For the Twelve months ending June 30th, 1970

Permit No. 6. For the Twelve months ending June 30th, 1970

Enclosures:

Stratigraphic Chart	-	Bass Basin
Stratigraphic Chart	-	Gippsland Basin
Stratigraphic Chart	-	Otway Basin

Di of M	S & A	CG	CC & M	D.S.M.E.
RECEIVED				Registrar
31 JUL 1970				REPORT NO. 3.
ANSWERED				
DEPT. OF MINES				
REF. NO.				
PERMIT NO. 3.				

FOR TWELVE MONTHS ENDING JUNE 30TH, 1970.

(a) Geophysical Operations.

No geophysical operations were carried out in TP/3 during the six month period from January 1st 1970 to June 30th, 1970. The B69B Marine Seismic & Magnetic Survey was conducted partly in TP/3, between October 3rd and October 14th, 1969, and details were submitted in our Half yearly Report dated 21st January, 1970.

(b) Drilling Operations.

Whelk No. 1 Well, located 15 miles west of King Island, was spudded on 6th March, 1970, and abandoned at 4810 feet as a dry hole on 17th March, 1970. A Completion Report, prepared by Esso is attached.

Cormorant No. 1 Well, located 55 miles south-west of Wilson's Promontory was spudded on 10th June, 1970, and reached Total Depth of 9845 feet on 9th July, 1970. Abandonment operations are currently in progress, and a Completion Report will be forwarded with the next half yearly report.

(c) Geological Operations.

Geological compilation work has proceeded in TP/3 in conjunction with work in both Otway and Bass Basins in TP's 4, 5 and 6.

Attached are our present stratigraphic charts for time stratigraphic zonation for both Otway and Bass Basins. They reflect our reliance on spore-pollen assemblages for time zonation in the non marine part of the section in both Otway and Bass Basins.

(d) Future Program.

Marine seismic is presently planned for the forthcoming summer months in all Bass Basin permits (viz. TP's 3, 4, 5 & 6) as part of our overall exploration evaluation for the Basin. At this time details of this shooting program have not yet been finalised,. We will advise you of the overall amount of shooting planned for the basin as well as the specific amounts for each permit when this program is finalised. No shooting program is presently planned in the Otway Basin part of TP/3.

Geological studies in TP/3 will be carried out in conjunction with our proposed marine seismic program in the overall Bass Basin and will incorporate the results of Cormorant 1.

Future drilling in the permit will depend upon the results, interpretation and integration of these various phases of exploration.

B.B. 4
Otway

9	S & A	CG	CC & M	D.S.M.E.
RECEIVED				Registrar
31 JUL 1970				E & IL
ANSWERED				
DEPT. OF MINES				
REF. NO.				

REPORT NO. 3.

PERMIT NO. 4.FOR TWELVE MONTHS ENDING JUNE 30TH, 1970.(a) Geophysical Operations.

No geophysical operations were carried out in TP/4 during the six month period from January 1, 1970 to June 30, 1970. Mileage shot in the B69B seismic program in the Bass Basin shot partly in TP/4 in October, 1969 and the G69A and B surveys in Gippsland have previously been reported.

(b) Drilling Operations.

No drilling operations were carried out in the six month period January 1, 1970 to June 30th, 1970. Results of Blue-bone 1 (abandoned on October 2, 1969) in the Gippsland Basin part of the permit have previously been forwarded.

(c) Geological Operations.

Geological compilation work has proceeded in TP/4 in conjunction with overall evaluation of the Bass Basin in TP's 3, 5 and 6 and in conjunction with studies of the Gippsland Basin situated in the north eastern part of TP/4.

Attached are copies of our present stratigraphic charts for time stratigraphic zonation for both Bass and the Gippsland Basins. They reflect our reliance on spore-pollen assemblages for time zonation in the non-marine part of the section in both Bass and Gippsland Basins.

(d) Future Program.

Marine Seismic is presently planned for the forthcoming summer months in all Bass Basin permits (viz. TP 3, 4, 5 & 6) as part of our overall exploration evaluation for the Basin. At this time details of this shooting program have not yet been finalised. We will advise you of the overall amount of shooting planned for the basin as well as the specific amounts for each permit when this program is finalised. No shooting program is presently planned in the Gippsland Basin part of TP/4.

Geological studies in TP/4 will be carried out in conjunction with our proposed seismic program and will incorporate results of the overall evaluation within the Bass Basin.

Future drilling in this permit will be dependant upon the results and interpretation and integration of these various phases of exploration.

Bass Basin

PFM	SA	CG	CC&M	DSME
				Registrar
RECEIVED				E & IL
31 JUL 1970				
ANSWERED				
DEPT. OF MINES				
REF. NO.				

REPORT NO. 3.PERMIT NO. 5.FOR TWELVE MONTHS ENDING JUNE 30TH, 1970.(a) Geophysical Operations.

No geophysical operations were carried out in TP/5 during the annual report period.

(b) Drilling Operations.

No drilling operations were carried out in the six month period January 1, 1970 to June 30, 1970. Results of the Clam 1 Well which was plugged and abandoned as a dry hole on August 15, 1969 have been previously forwarded.

(c) Geological Operations.

Geological compilation work has proceeded in TP/5 in conjunction with overall evaluation of the Bass Basin in TP's 3, 4 and 6 and in conjunction with studies of the Otway Basin situated in the western part of TP/5. Attached are copies of our present stratigraphic charts for time stratigraphic zonation for both Bass and Otway Basins. They reflect our reliance on spore-pollen assemblages for time zonation in the non marine part of the section in both Bass and Otway Basins.

(d) Future Program.

Marine Seismic is presently planned for the forthcoming summer months in all Bass Basin permits (viz. TP 3, 4, 5 & 6) as part of our overall exploration evaluation for the Basin. At this time details of this shooting program have not yet been finalised. We will advise you of the overall amount of shooting planned for the basin as well as the specific amounts for each permit when this program is finalised. No shooting program is presently planned in the Otway Basin part of TP/5.

Geological studies in TP/5 will be carried out in conjunction with our proposed marine seismic program and will incorporate results of the overall evaluation of the Bass Basin pertinent to this permit.

Pelican 2, a stepout well to the Pelican 1 discovery well, will be drilled in TP/5 during the next reporting period.

B.B.

CG	CC & M	D.S.M.E.
RECEIVED		Registrar
31 JUL 1970		E & IL
ANSWERED		REPORT NO. 3.
DEPT. OF MINES		
REF. NO.		
PERMIT NO. 6.		

FOR TWELVE MONTHS ENDING JUNE 30TH, 1970.

(a) Geophysical Operations.

No geophysical operations were carried out in TP/6 during the six months period from January 1st, 1970 to June 1st, 1970. Details of the B69B Survey carried out partly in TP/6 during October 1969 and of the G69B survey in the Gippsland Basin, have previously been reported.

(b) Drilling Operations.

Pelican No. 1 Well, located 39.8 miles NE of Rocky Cape, Tasmania, was spudded on 19th March, 1970 and abandoned on 1st May, 1970 at a Total Depth of 10,428 feet, with significant shows of gas/condensate. A completion Report prepared by Esso for this well is attached.

(c) Geological Operations.

Geological compilation work has proceeded in TP/6 in conjunction with work in the Bass Basin in TP's 3, 4 and 5. A copy of our present stratigraphic chart for the Bass Basin is attached.

(d) Future Program.

Marine Seismic is presently planned for the forthcoming summer months in all Bass Basin permits (viz. TP 3, 4, 5 & 6) as part of our overall exploration evaluation for the Basin. At this time details of this shooting program have not yet been finalised. We will advise you of the overall amount of shooting planned for the Basin as well as the specific amounts for each permit when this program is finalised. No shooting program is presently planned outside of the Bass Basin part of this permit.

Geological studies in TP/6 will be carried out in conjunction with this marine seismic program and will incorporate the results of Pelican 1 and 2.

Further drilling in the permit will depend on the results and interpretation of these various phases of exploration.

B.B.

ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

GIPPSLAND BASIN

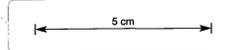
VICTORIA

STRATIGRAPHIC CHART

SCALE: 1 INCH = 5 MILLION YEARS

TO ACCOMPANY: Annual Report to Tasmanian Mines Dept.
AUTHOR: GIPPSLAND REGIONAL GROUP

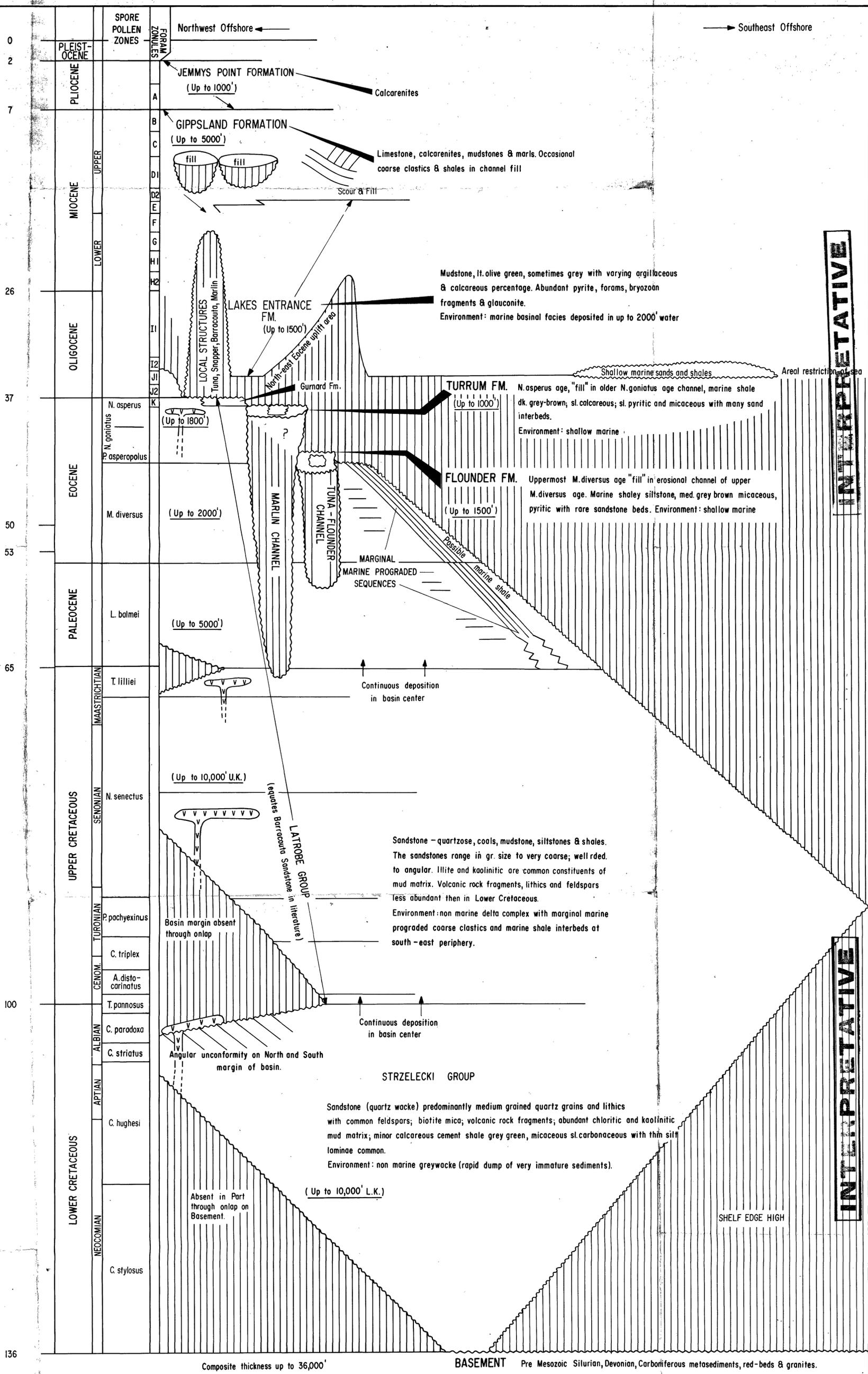
DRAWN BY: J.R. SCHMIDT
DATE: APRIL, 1970



INTERPRETATIVE

INTERPRETATIVE

INTERPRETATIVE



LEGEND

- Non-marine coarse clastics, coals, silts & shales
- Marine fine grained rocks
- Shallow marine (glauconitic) greensand
- Marine coarse clastics
- Carbonates
- Volcanics

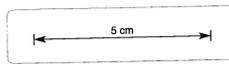
ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

OTWAY BASIN

SOUTH AUSTRALIA, TASMANIA, VICTORIA

STRATIGRAPHIC CHART

SCALE : 1 INCH = 5 MILLION YEARS

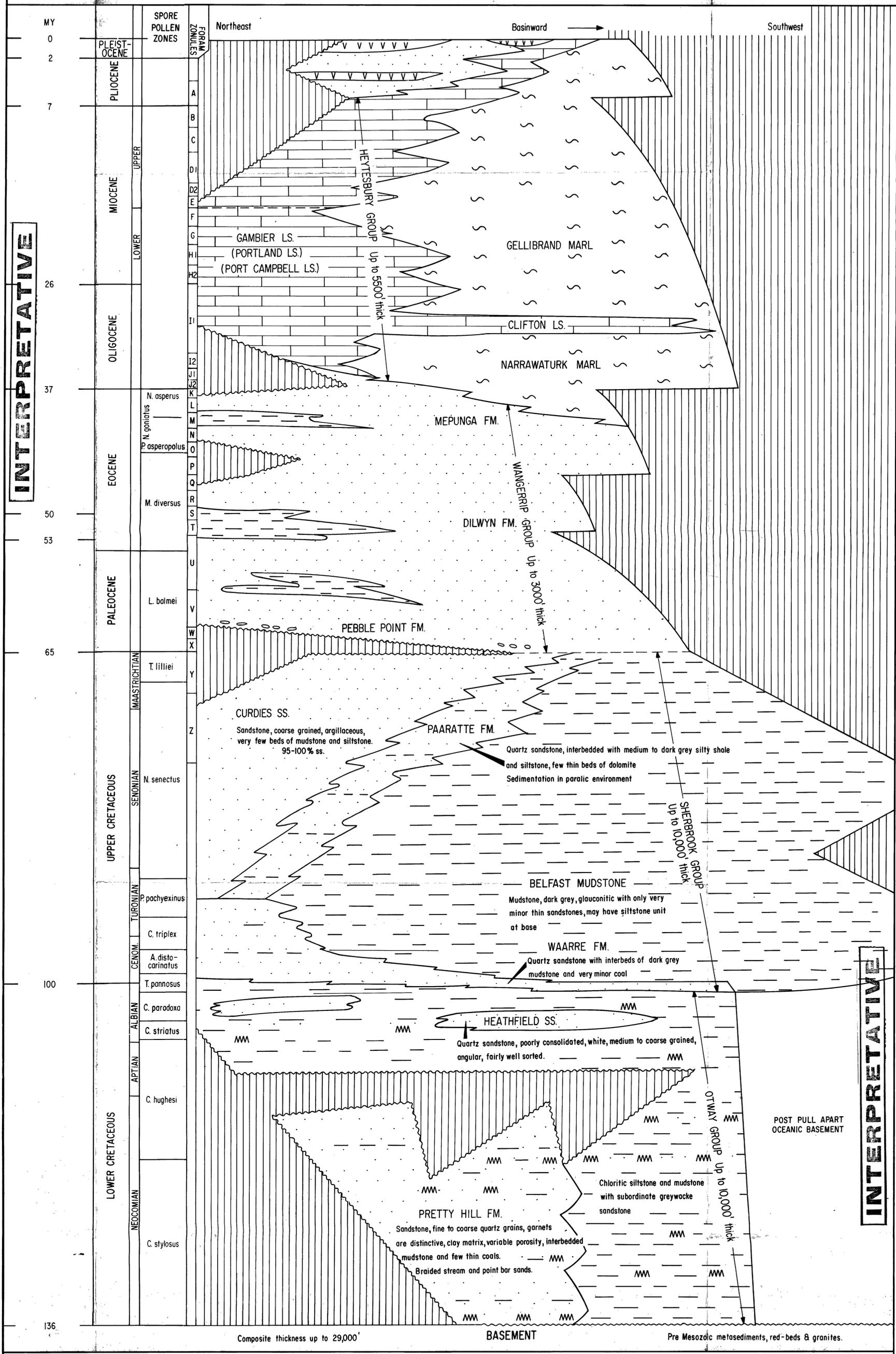


TO ACCOMPANY : Annual Report to Tasmanian Mines Dept.
AUTHOR : J.N.BOWERMAN

DRAWN BY : J.R. SCHMIDT
DATE : APRIL, 1970

INTERPRETATIVE

INTERPRETATIVE



LEGEND

- Sandstones predominate
- Nonmarine shales, siltstones and greywacke sandstones
- Mudstones and shales
- Volcanics
- Interbedded sands and shales
- Carbonates
- Marl