

ETHANIA

AND E. H. KNOLL, MALCOLM J. ALLEN, G. M. NAUBONNE AND NICHOLAUS CH. ILLIE-BLICK

LETHAIA



Knoll, A.H., Allen, M.J., Naubonne, G.M. & Illie-Blick, N. 2006 03 31: Lethaia, 39, 13-30. DOI: 10.1080/0024-1164.

ILLIE-BLICK, N., ALLEN, M.J., NAUBONNE, G.M. & KNOLL, A.H. 2006 03 31: Lethaia, 39, 13-30. DOI: 10.1080/0024-1164. This is a highly degraded and noisy scan of a scientific paper. The text is mostly illegible due to heavy noise and artifacts. Some legible fragments include: 'ILLIE-BLICK, N.', 'ALLEN, M.J.', 'NAUBONNE, G.M.', 'KNOLL, A.H.', '2006 03 31', 'Lethaia, 39, 13-30.', 'DOI: 10.1080/0024-1164.', '65 6 (D...)', '391.6(E...)', '381.3(O)-14', '1984, 1997)', '(H... & ...)', '(G... 1966)', 'IG & ... P... C... & (1982), ... E... (...)', 'M...', 'A... J... (1981)', 'E... P...', 'E... B...', 'A... (I...', 'E... B...'. The rest of the text is obscured by noise and artifacts.

1. The first part of the document is a list of names and titles, including "The Hon. Mr. Justice G. D. C. O'Connell" and "The Hon. Mr. Justice J. J. O'Connell".

M. ... A ... M ... A ... N. F. ... C. (... et al. 1981; J. ... et al. 2003, 2003), L. ... (C. ... 1990), G. F. ... N. (H. ... et al. 1998; K. ... et al. 1998), F. ... E. G. (F. ... & H. ... 1995), I. (G. ... & K. ... 1981; K. ... et al. 2000; J. ... et al. 2003), I. B. F. ... C. (A. ... 1991; N. ... & A. ... 1995; J. ... et al. 2001). I. ... M. (N. ... 1976; K. ... 2000) G. F. (E. ... & E. ... 1989) N. ... -N. A. (H. ... et al. 2005); -P. G. F. 580 (B. ... et al. 2003; C. ... et al. 2005).

Biostratigraphy. –

M. ... -P. 635.5 ± 1.2 M. (H. ... et al. 2004) 663 ± 4 M. (... et al. 2003) M. ... -P. 635.2 ± 0.6 M. ... 621 ± 7 M. N. ... C. (C. ... et al. 2005; ... et al. 2005; ... et al. 2005, 628.3 ± 5.8 M. D. ... F. ... -P. (B. ... et al. 2003). P. ... C. ... (K. ... et al. 1998; H. ... et al. 2005). G/P

M... A... D... F..., C..., N... (& K... 2000; ... et al. 2000). B... et al. (2002) P -P ... 599 ± 4 ... -P ... D ... ca. 560–580 M, ... E... N... (Cloudina) P... 555 (M... et al. 1999). E... P... D... E... (Fig. 1C, D; ... 1990; J... et al. 1992;

& ... 1992; ... et al. 1998; G... 2005), ... A... (G... 2005). B... P... I... C... P...

Chemostratigraphy.

N (K. et al. 2000). I
 P (K. 1996; K. et al. 1997; C., 2000; H. et al. 2005). I
 $\delta^{13}\text{C}$ +1 -3‰
 -M
 -8‰ +
 8‰ (F. 3). I
 $^{87}\text{Sr}/^{86}\text{Sr}$, C-
 M (K. et al. 1998; H. et al. 2005; J. et al. 2003).
 E C-
 (P. et al. 2003). G
 (G. & K. 1995; H. & J. 2002; J. et al. 2003; et al. 2003),
 10^3 G
 (B. & P. 1982),
 P

G P
 E P

Formal statement of name and GSSP placement. –

P (N. M. (N. F.) E C A C A (F. 4–6). E P E B N P G (F. 5). I E F (P. 1987). -9.08 ()-390.6(6(2), 8.2)115(2)-4. ()5(-3.)-614.5489

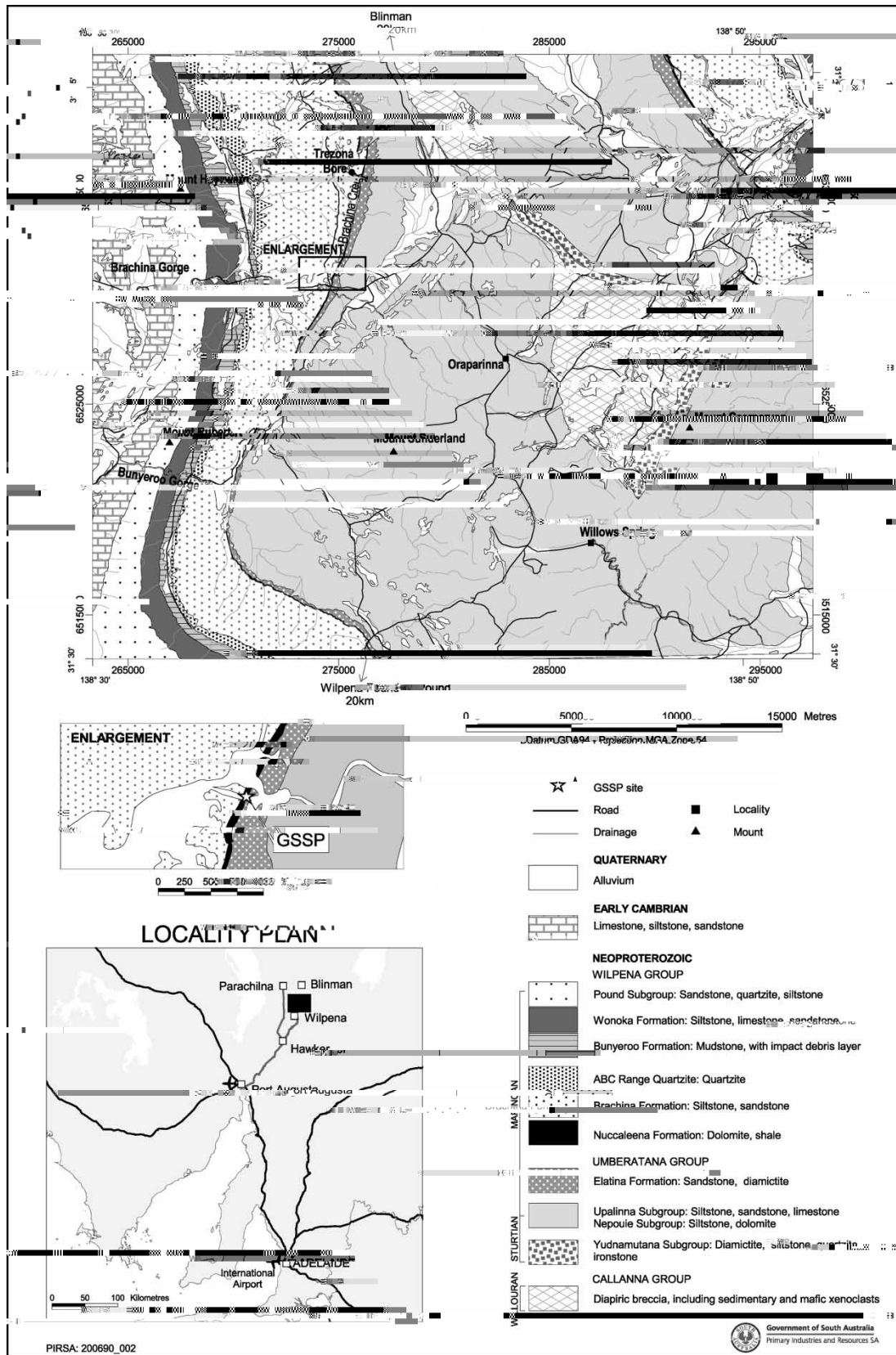


Fig. 4. L. E. C. & P. 1999), G.P. A.

PA ACHILNA 1:250,000 (& P. 1999) E N (P. 1999) G//P. (P. 1987, 1990, 1993). C E B (F. 1A, B) P (F. 5) E B A G (J. 1995), P G -M A 30-40 N ;

54, 274825 ± 5 E, 6531235 ± 5 N (GDA 94), 31° 19' 53.2" S, 138° 38' 0.2" E.

A E C A 400 F N P I A F M P

Geological location. — F N M C A C (A G). G 1:250,000 1:63,360 (D. et al. 1964; D. & J. 1965, 1966) G A (P. I A)

G... (G... et al. 1986; ... 1986; ... et al. 1989; G... et al. 2003). A... (G... 1997; G... 2005; G... et al. 2003). M... F... A... G... (P... 1987, 1990; ... & G... 1991; P... 1993), ... M... (M... 1949;

P... et al. 1978; P... 1987, 1990, 1993; L... & G... 1990). M... E... F... (7.5°



Fig. 7. O... E... C... N... G//P... (F. 7). A E... C... 0.85... E...

H... Tungussia julia... M... G & C (1998)... N... A... -M... F... I... E...

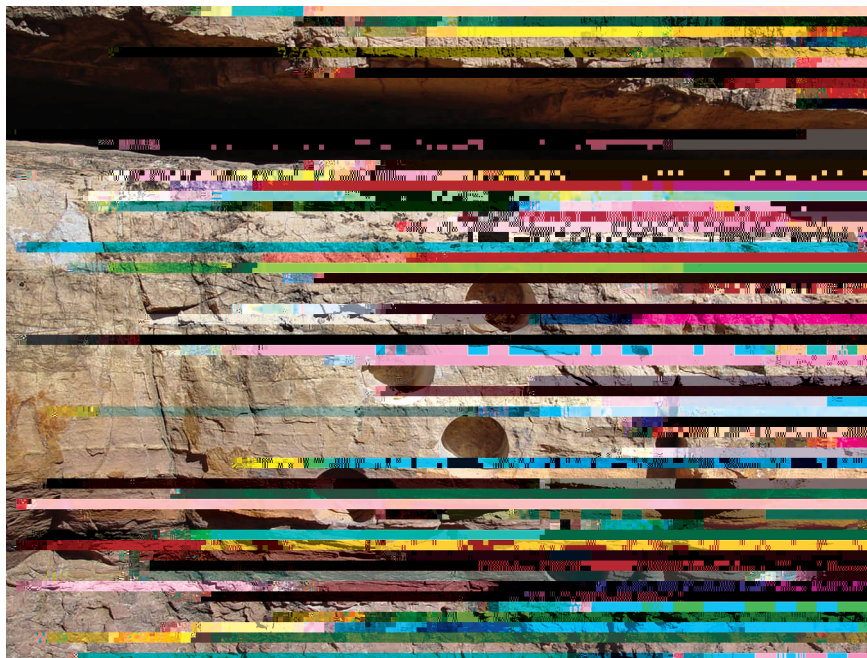


Fig. 8. C... G//P... E... C... G//P...

(P. 1979; P. 1979; P. 1987, 1990, 1993;
L. & G. 1990; D. 1992; K., 1996;
C. 2000).
(),
(F. 2).
L., N.

P
 G//P,
 C
 100 G//P.

Principal correlation events at the GSSP level. —
 G//P
 E P F
 M
 G//P
 A

Demonstration of regional and global correlation. —
 G//P
 F A
 N (P 1987). I
 F M L
 A N
 (D &
 B 1994; C-B et al. 1995). I
 G//P
 E
 I A
 A G//P
 O F (P et al.
 1978; K 1996),
 P F
 (B
 F F). I
 A B O F
 G (F
 1991; F et al. 1991),
 G
 N B A
 M D F C
 K A
 (G & C 1998).
 A
 N
 M
 M /G (K et al. 1998; H

et al. 2005). M
 N (K 2000), C-
 (+10%)
 (-5 -7‰); (H &
 2002; H et al. 2004),
⁸⁷/₈₆ (K et al. 1993). M
 (K 2000),
 E B (F 1990; N 1998),
 C- (K et al. 1997;
 et al. 2000), ⁸⁷/₈₆ (K
 et al. 1993). C
 M
 C-
 ;
 ;
 (K 1996;
 J et al. 2001; H & 2002; A &
 H 2005). C
 ()
 G F N (K
 et al. 1998; M & K 1999).
 E P
 A (E . 9

C. ...; (8) ...
F. ... N. ...
C. ...

Age of the GSSP. — D. ...
P. ...
F. ... A. ...
16. ...

... ..
... .. E... .. I
... ..
... .. A
... ..

D. J. C. ... J. E. & C. ... P. 1964: B. ...

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..... Precambrian Research 100, 371–433.
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