Chemical fingerprinting of multiple large-scale magmatic events in the Mesoproterozoic Bangemall Supergroup, Western Australia*

P. A. MORRIS† AND F. PIRAJNO

Geological Survey of Western Australia, 100 Plain Street, East Perth, WA 6004, Australia.

SUPPLEMENTARY PAPERS


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* Appendix 1* [indicated by an asterisk (*) in the text and listed at the end of the paper] is a Supplementary Paper; copies may be obtained from the Geological Society of Australia’s website (www.gsa.org.au) or from the National Library of Australia’s Pandora archive (http://nla.gov.au/nla.arc-25194).

† Corresponding author: paul.morris@dmp.wa.gov.au

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APPENDIX 1: WHOLE-ROCK CHEMISTRY

Age is U–Pb SHRIMP age (Ma) with 2σ error. Age designation is crystallisation age based on either direct dating or chemistry. Laboratory: GA, Geoscience Australia; ANU, Australian National University; UQ, University of Queensland; Glass, data from Glass (2202), Hanley & Wingate (2000); Analabs, Analabs. Fe₂O₃T is all Fe expressed as Fe₂O₃. Units: % is percentage; ppm is parts per million; ppb is parts per billion. Negative is concentration less than detection level (e.g. –0.16 is < detection level of 0.16). ‘CN’ is chondrite-normalised, using chondrite values of Sun & McDonough (1989). Mg# is magnesium number [i.e. molar 100Mg/(Mg + Fe as
FeO)]. Eu/Eu* is the europium anomaly, showing the depletion or enrichment of europium relative to the neighbouring REE samarium (Sm) and gadolinium (Gd).