Resolving tectonic settings of ancient magmatic suites using structural, geochemical and isotopic constraints: the example of the St Peter Suite, southern Australia

A. J. Reid[a,b]*, M. J. Pawley[a], C. Wade[a,b], E. A. Jagodzinski[a], R. A. Dutch[a,b] and R. Armstrong[c]

[a]Geological Survey of South Australia, Department of Energy and Mining, GPO Box 320 Adelaide, SA 5001, Australia; [b]Department of Earth Sciences, University of Adelaide, Adelaide, SA 5005, Australia; [c] Research School of Earth Sciences, Australian National University, ACT 2601, Australia

* Anthony.Reid@sa.gov.au

Received 20 December 2018; accepted 31 May 2019

A. J. Reid: https://orcid.org/0000-0002-9435-934
M. J. Pawley: https://orcid.org/0000-0002-8577-4405
C. Wade: https://orcid.org/0000-0003-2569-2771
E. A. Jagodzinski: https://orcid.org/0000-0002-0151-2337
R. A. Dutch: https://orcid.org/0000-0003-4247-7483
R. Armstrong: https://orcid.org/0000-0002-3062-0679

SUPPLEMENTARY PAPERS

Australian Journal of Earth Sciences (2020) *67(1), 31–58*.
https://doi.org/10.1080/08120099.2019.1632224

Copies of Supplementary Papers may be obtained from the Geological Society of Australia's website (www.gsa.org.au), the Australian Journal of Earth Sciences website (www.ajes.com.au) or from the National Library of Australia's Pandora archive (https://pandora.nla.gov.au/tep/150555).

Supplementary paper

Table S1. SHRIMP zircon U–Pb data for samples analysed in this study. (excel spreadsheet)

Table S2. Zircon Hf and O isotope data obtained in this study. (excel spreadsheet)

Table S3. Compilation of whole-rock geochemical data from the St Peter Suite including samples analysed in this and previous studies. (excel spreadsheet)

Table S4. Summary of whole-rock Sm–Nd–Sr isotopic data from the St Peter Suite including samples analysed in this and previous studies. (excel spreadsheet)