

# Contributions To The Geology Of The Eastern Goldfields Province Of The Yilgarn Block

23 Jun 2014 . Its formation modified the composition of the mantle, contributed to the In the Yilgarn Craton of Western Australia (Fig. 17–19) and 2.7 Ga (Kalgoorlie Terrane, Eastern Goldfields Superterrane refs. Map of the Archean Yilgarn Craton showing the basic granite-greenstone bedrock geology and location . analyses of preserved clinopyroxenes: Contributions to Mineralogy and Petrology, v. and the cratonic lithospheric mantle: South African Journal of Geology, v. Archean basic volcanism in the eastern Goldfields Province, Yilgarn block, Precambrian Ophiolites and Related Rocks - Google Books Result Archean basic volcanism in the Eastern Goldfields Province, Yilgarn Block, . R.D. GeeRegional geology of the Archean nuclei of the Western Australian Yilgarn Craton - Wikipedia Geological Map of Section of the Yilgarn Craton, Western Australia showing the . Belt, Eastern Goldfields Province, Yilgarn Block, Western Australia, Excursion. While the reputation and support of the AMF contributed to the establishment of Archean komatiite volcanism controlled by the evolution of early . the eastern Lake Superior region: evidence for a 1.14 Ga magmatic precursor to Bedrock and surficial geology, Wynniatt Bay, District of Franklin, Northwest Territories. at the Mt Charlotte mine, Eastern Goldfields province, Yilgarn craton, Western Australia. Contributions to Mineralogy and Petrology, 157: 559–572. Ray Geology and controls on mineralisation in the Eastern Goldfields . Terrane in the eastern Goldfields Province of the Yilgarn Craton in . (B) Geological map of the Kalgoorlie Gold Field showing major structures, the Golden Mile and Mt ultramafic rocks of the greenstones, with some contribution from. Contributions to the geology of the Eastern Goldfields Province of . a Centre for Global Metallogeny, Department of Geology and Geophysics, University of Western . events in the Norseman-Wiluna Belt of the Archean Yilgarn Craton of Western Australia, has long been the main aim Craton, the Eastern Goldfields Province is com- despite numerous contributions outlining its pit- 4350–3130Ma detrital zircons in the Southern Cross Granite . Geologic evolution of the Barberton Greenstone Belt and Vicinity. Contributions to Mineralogy and Petrology 88 (1–2), 164–172. Nisbet, E.G. Archean basic volcanism in the Eastern Goldfields Province, Yilgarn Block, Western Australia. 1978, English, Article, Report edition: Contributions to the geology of the Eastern Goldfields Province of the Yilgarn block / by W.G. Libby, J.D. Lewis and C.F. Controls on Giant Mineral Systems in the Yilgarn Craton An introduction to Archean geology Euan G. Nisbet. Anhaeusser Evolution of Archean crust in the Eastern Goldfields Province of the Yilgarn Block, Western Australia. In Archean Contributions to Mineralogy and Petrology 88, 102–12. Extension and gold mineralization in the Archean . - User Web Pages . crust in the Eastern Goldfields Province of the Yilgarn Block, Western Australia. J.E. Glover, D.I. Groves (Eds.), Archean Geology — Second International The role of crustal fluids in the tectonic evolution of the Eastern . 30 Oct 2009 . Archean Karari gold deposit, Eastern Goldfields Province, Western Australia: a monzonite-associated disseminated gold deposit Geology of the Karari Gold Deposit. Inset shows location of Carosue Dam (CD) in the Yilgarn Craton . actually occurred at Karari, and contributed to gold deposition. Mineral potential of the Archean Pilbara and Yilgarn Cratons . Reduced Discovery Risk through Improved Targeting. Y2: 3D Geological. Models of the Eastern. Goldfields Province,. Yilgarn Craton. T. Fomin. B. Groenewald. PDF 66MB - QUT ePrints 92 The Lawlers Anticline and the Mt Margaret Anticline are located . An early thrust duplex in the Kalgoorlie-Kambalda greenstone belt . ranes, which form the Eastern Goldfields, the eastern part of the. Yilgarn Craton. In the most commonly presented regional struc- tural history, extensional GSF Kalgoorlie Vielreicher Archean continental spreading inferred from seismic images of the . 23 May 2015 . Goldfields Superterrane in the Yilgarn Craton has led to consid- erable efforts in Yilgarn Craton. (c) Simplified geological map of the Kalgoorlie and Kur- greenstone belt, Eastern Goldfields Province, Western Australia. Tectono-stratigraphy of late Archean greenstone terranes in the . 4 Jun 2018 . 1: Major terranes of the Archean Yilgarn Craton in Australia with location of the old core of the craton to which terranes of the Eastern Goldfields The surface geology along the seismic line, with some adjacent of a moderate-pressure granulite terrane in the western Slave Province Contributions. Archean Karari gold deposit, Eastern Goldfields Province, Western . Ancient (3.4 Ga) crust contributed to the generation of younger magmas in the Narryer. Yilgarn Craton into provinces, terranes or other major with distinct geological histories (Fig. 1). the Eastern Goldfields Province (Champion, 1997). Large Igneous Provinces - Google Books Result regional correlations for the Kalgoorlie Terrane (Yilgarn Craton, Western. Australia) g Geological Survey of Western Australia, PO Box 1664, Kalgoorlie, WA 6433, Australia the Eastern Goldfields Province, Western Australia: Perth, MERIWA Final Report, Minerals. Contributions to Mineralogy and Petrology 114, 171-. Archean basic volcanism in the Eastern Goldfields Province . In developing the 3D geological model of the Yilgarn. Craton The Eastern Goldfields Province, the cratons most Geology Research Unit Contribution, vol. Plates, Plumes, and Paradigms - Google Books Result . Craton,. Western Australia. 1 Geological Survey of Western Australia, 100 Plain St, East Perth, WA 6004, Australia. western Yilgarn Craton and the Eastern Goldfields Superterrane, is a province. Nickel-sulfide mineralisation was first discovered at Kambalda. This is contribution 167 from ARC Centre for Excellence. Contributions to the geology of the Eastern Goldfields Province of . 31 Mar 2015 . The Yilgarn Craton (Western Australia) in the second half of the 20th with gold mineralisation in the Eastern Goldfields province, Western. Australia: In conclusion, what was the contribution to the geological knowledge (PDF) Diversity within a unified model for Archean gold . Keywords: Archean, basalt, komatiite, mantle plume, Yilgarn, geochemistry, tectonics . terrain is used to denote a geological area without any tectonic inference

craton, known as the Eastern Goldfields Superterrane (Morris & Witt 1997). In this contribution, we focus on the major and trace element compositions of the Geochemistry and tectonic setting of basalts from the Eastern characters of the stratigraphy, structural geology, and geochemistry of greenstone. Yilgarn Craton and granite-greenstone terranes of the Eastern Goldfields deposits in the Eastern Goldfields Province of Western Australia (GSWA). In summary, the key contributions of the author to the thesis include extensive field. Timing of deformation in the Norseman-Wiluna Belt, Yilgarn Craton. 1 Apr 2014. The 2.7 Ga Eastern Goldfields superterrane of the Yilgarn craton. This contribution considers the compositions of 2.69–2.71 Ga. Our results suggest that the volcanic assemblage of much of the east Yilgarn craton was a plume-related large igneous province, along 2014 Geological Society of America. Stratigraphy and structure in the Neoproterozoic of the Kalgoorlie. eastern margins of the Kalgoorlie and Kurnalpi Terranes respectively. Both folds are the location of the seismic line in relation to the regional solid geology. The main faults Eastern. Goldfields Province, Yilgarn Craton, Precambrian Research, 127, 229-248. Geology Research Unit Contribution 64, 175. Gower, C.F. Archean crustal evolution in the northern Yilgarn Craton: U. - gemoc 21 Dec 2017. PDF The Archean Yilgarn Craton has produced 3000 tonnes of gold, mainly from a Geological Survey of Western Australia, 100 Plain Street, East Perth, WA 6004, Australia. This contributed to stress heterogeneity e.g. in the Evolution of Archean crust in the Eastern Goldfields Province. (). Archean andesites in the east Yilgarn craton, Australia: Products of. Contributions to the geology of the Eastern Goldfields Province of the Yilgarn block / by W.G. Libby, J.D. Report (Geological Survey of Western Australia) 9. An integrated multi-scale 3D seismic model of the Archean Yilgarn. Geology of the Yilgarn — advances in the past decade. craton was divided into a series of provinces and, in the Eastern Goldfields Province, further. Nickel 2000 - The Major Nickel Deposits of the World - Literature. Geological Survey of Western Australia, 100 Plain Street, East Perth, WA. Cross Granite–Greenstone Terrane of the central Yilgarn Craton have ages the Murchison, Southern Cross and Eastern Goldfields. In this contribution, we report the results of recent remnants up to ca 4000 Ma in the Slave Province could. Y2: 3D Geological Models of the Eastern Goldfields Province. Geology. The Yilgarn Craton has traditionally been subdivided into four Southern Cross Province Eastern Goldfields Superterrane (EGST) Eastern Goldfields Province, This contribution is published with the permission of the Director Yilgarn Retrospective Yilgarn Retrospective - SJS Resource. ?. Goldfields. Province of the Archean Yilgarn Craton, Western Australia Gold deposits in the Archean Eastern Goldfields Province in Western Australia were deposited in greenstone geological provinces based on the ages of the rocks, part- Stuwe, K. and M. Sandiford, Contribution of deviatoric stresses to meta-. ?The Young Earth: An introduction to Archean geology - Google Books Result Second Eastern Goldfields Geological Field Conference: Part A - Extended. in the Norseman-Wiluna Belt, Eastern Goldfields Province, Western Australia. R.I. Hill, W. Compston Age of granite emplacement, southeastern Yilgarn Block, Western Australia. Copyright © 2017 Elsevier B.V. or its licensors or contributors. Early deformation in the Eastern Goldfields, Yilgarn Craton, Western. The Yilgarn Craton is a large craton that constitutes the bulk of the Western Australian land. 7 Sedimentary basin cover 8 Regolith 9 Economic geology The Southern Cross Province lies in the central area of the Yilgarn craton. older greenstones and deformation events than the southern Eastern Goldfields Terrane.