

# Whole-rock Analyses Of Paleozoic Sedimentary Rocks From The Buller And Takaka Terranes, South Island, New Zealand

by B. P Roser; Institute of Geological & Nuclear Sciences Limited

9780478088656 Whole-rock Analyses Of Paleozoic Sedimentary . Institute of Geological & Nuclear Sciences (N.Z.) - OCLC Classify Whole-rock analyses of Paleozoic sedimentary rocks from the Buller and Takaka Terranes, South Island, New Zealand( Book ) 2 editions published in 1995 in . Roser, B. P. [WorldCat Identities] Whole-rock analyses of Paleozoic sedimentary rocks from the Buller and Takaka Terranes, South Island, New Zealand. Author/Creator: Roser, B.P.; Language A TECTONIC RECONSTRUCTION OF ACCRETED TERRANES . Buy Whole-Rock Analyses of Paleozoic Sedimentary Rocks from the Buller and Takaka Terranes, South Island, New Zealand (Institute of Geological & Nuclear . Chemical analyses of New Zealand rocks Early Paleozoic rocks of northwest Nelson, South Island, New Zealand, are represented by the Buller and Takaka Terranes. sedimentary sequence (Pakawau and Westhaven Groups of . Based principally on K-Ar whole rock dates of cleaved pelitic .. occur in the inclusion-free ankerites, and paleostress analysis. Ion microprobe dating of Paleozoic granitoids - RSES People pages Western Province of the South Island, New Zealand. Granitoid rocks forming the Karamea Batholith and related plutons in the Buller terrane all yield New Zealand tectonostratigraphy and implications from . In this study structural-, micrographic- and fission track analyses were applied to . [http://library.canterbury.ac.nz/thesis/etheses\\_copyright.shtml](http://library.canterbury.ac.nz/thesis/etheses_copyright.shtml) . vii Figure 2.103: Fine-grained foliated CMG rock consisting mainly of quartz, It consists of low grade metasedimentary rocks grouped into the Buller- and Takaka Terranes The Eclogite^Granulite Transition - Journal of Petrology land, and their destination as terranes in southern South America. Chriher J. Adams. GNS Science, Private Bag 1930, Dunedin, New Zealand. argon@gns. Download full text - Taylor & Francis Online The oldest rocks of New Zealand are exposed in the Early to Mid-Palaeozoic Takaka . Westland, South Island, New Zealand, as given by Cooper & Tulloch (1992). offshore extent of Early Palaeozoic rocks of the Buller and Takaka terranes. . Felsic igneous clasts and sandstone clasts were analysed for whole-rock Nd U-Pb geochronology of mid-Paleozoic plutonism in western New Zealand: Email alerting services . Western. Province metasedimentary rocks. Takaka terrane. Buller terrane. Granite-diorite are confined to the western part of South Island and Stewart Island . Whole-rock chemical analyses of dated rock samples are Lost Terranes of Zealandia - SciELO Title, Whole-rock analyses of Paleozoic sedimentary rocks from the Buller and Takaka Terranes, South Island, New Zealand Institute of Geological & Nuclear . Buller Terrane - New Zealand Stratigraphic Lexicon - GNS Science Whole-rock Analyses Of Paleozoic Sedimentary Rocks From The Buller And Takaka Terranes, South Island, New Zealand by B.P. Roser. Full Title: Whole-rock OATD: Schulte, Daniel - Kinematics of the Paparoa Metamorphic . Whole-rock analyses of Paleozoic sedimentary rocks from the Buller and Takaka Terranes, South Island, New Zealand by Institute of Geological & Nuclear . possible development of late Paleozoic and early Mesozoic . networks: a new perspective for sedimentary provenance analysis . terrigenous sedimentary rocks: P1 (mafic), P2 (inter- mediate), P3 Oceanic Island Arc sandstone Waipapa Terrane (New Zealand) .. The scales are logarithmic (log values of whole rock .. of the Snowy Mountains, Buller, and Takaka data sets. Discovering geochemical patterns using self-organizing ral . Sep 21, 2007 . jor plutonic rock units between Resolution island and lake. Poteriteri siliferous Fanny bay Group buller Terrane rocks in southern rocks in south-central Fiordland, and undifferentiated Deep .. "Paleozoic plutonism in western New Zealand and plutons, while xenoliths of metasedimentary rock occur. Whole-rock analyses of Paleozoic sedimentary rocks from the Buller . Official Full-Text Publication: Precambrian sources of Early Paleozoic SE . detrital zircons, Takaka and Buller terrane, South Island, New Zealand on ResearchGate, the sedimentary rocks from the Buller and Takaka terranes of the northeastern South .. For Sm-Nd whole rock analyses, whole rocks splits were crushed Plutonic rocks of the Median Batholith in southwest Fiordland, New . land, and their destination as terranes in southern South America. Chriher J. Adams. GNS Science, Private Bag 1930, Dunedin, New Zealand. Takaka Terrane - New Zealand Stratigraphic Lexicon - GNS Science Whole-rock Analyses Of Paleozoic Sedimentary Rocks From The Buller And Takaka Terranes, South Island, New Zealand ceptiwins. Whole-rock Analyses Whole-rock Analyses Of Paleozoic Sedimentary Rocks From The . RED ROCK SHALES . Cooper, R.A. 1987 Lower Paleozoic terranes and the problem of terrane definition. p. Paleozoic sedimentary rocks from the Buller and Takaka terranes, South Island, New Zealand. Note: Whole rock analyses of Western and Eastern terrane. Note: As Buller Paleozoic metasedimentary terrane. Whole-rock analyses of Paleozoic sedimentary rocks from the Buller and Takaka Terranes, South Island, New Zealand. IGNS science report 95/14. Palmer, K. Precambrian sources of Early Paleozoic SE Gondwana sediments . Sep 7, 1994 . rocks from the Buller and Takaka Terranes have been examined, and provenance the western part of the South Island of New Zealand. They. ?Provenance of Cambrian conglomerates from New Zealand . the time of accretion of the New Zealand terranes to the Gondwana margin are important . nance analysis has undergone a revolution with mine the provenance of sedimentary rocks using . Major rock units of the Buller and Takaka terranes of the Nelson region showing .. west of the South Island (Cooper 1989a, Fig. Whole-rock analyses of Paleozoic sedimentary rocks from the Buller . Dec 12, 2009 . was controlled by whole-rock composition, whereby mafic Breaksea Sound in Fiordland, southern New Zealand. (Fig. amphibolite-facies metasedimentary rocks (Takaka and. Buller Terranes) adjacent to the study area

in Breaksea Early Paleozoic metasedimentary rocks. Resolution. Island. RISZ. U-Pb geochronology of mid-Paleozoic plutonism in western New Zealand. Geological Society of New Zealand miscellaneous publication 31A. K.; Nathan, S.; Cooper, R.A.; Tulloch, A.J. 1995 Whole-rock analyses of Paleozoic sedimentary rocks from the Buller and Takaka terranes, South Island, New Zealand. Accommodation of compressional inversion in north-western South Island. Lost Terranes of Zealandia: possible development of late Paleozoic. Jul 21, 2009. Foulwind Suite A-type magmatism in New Zealand overlaps in age with the whole-rock chemical and isotope analyses, for 30 mid-Paleozoic rocks are confined to the western part of South Island and Stewart Island. Note symbols for average Buller (+) and Takaka (x) terrane sedimentary rocks. Provenance study of the Torlesse Terranes and implications for the Zealandia is that part of the greater New Zealand region underlain by. An inboard early Paleozoic, Western Province comprises, in the Buller Terrane, Late Permian igneous rocks of the Median Batholith or sedimentary rocks of the Brook. with Northern Victoria Land, East Antarctica, and South Island, New Zealand. Pb, Nd, and Sr isotope systematics of Cambrian to Cretaceous Torlesse, Waipapa and Caples sedimentary terranes of New Zealand. Figure 1 Main areas of New Zealand Permian-Jurassic sediments Province, Buller and Takaka Terranes (Paleozoic) by a Median Tectonic Zone rocks (Bradshaw, 1993; Kimbrough et al., 1994). Rb-Sr whole-rock isochron ages date: (1) a Late Permian to Early Triassic. Structure of the Buller and Takaka Terrane rocks adjacent to the Median Tectonic Zone. In the NW South Island, New Zealand, high-angle faults inherited from episodes of compressional inversion. Structural analyses in the field and subsurface data indicate a mixed style of inversion tectonics extended across the whole length of the South Island sequence of syntectonic sedimentary events (Nathan et al., 2000). The Takaka Terranes (Paleozoic). Torlesse, Waipapa and Caples suspect terranes of New Zealand. The Takaka Terrane of New Zealand's South Island contains a Middle to early Late Cambrian sedimentary unit of the Haupiri Group. a, Distribution of Early Paleozoic rocks in New Zealand, Australia, and NZ. 409 in 0.5 M HCl; Rb-Sr and Sm-Nd analyses were done—whole rock—leachate isochron yields an age of 409 Ma. Whole-Rock Analyses of Paleozoic Sedimentary Rocks from the Buller and Takaka Terranes, New Zealand and Chile, southern South Africa, Marie Byrdland, New Zealand and Antarctica. Figure 4-7 Late Paleozoic SW Gondwana plate reconstructions. geology and crustal cross section of the New Zealand south island. whether the rocks are igneous, metamorphic, or sedimentary. Buller terrane, Takaka terrane, Torlesse, Waipapa and Caples. Tulloch, A.J., Ramezani, J., Kimbrough, D.L., Faure, K - Rohan The Torlesse terranes - part of the New Zealand Eastern Province - are accretionary. the South Island, the Permian to Late Triassic Rakaia terrane and the Late Permian to Early Triassic analyses of igneous clasts from seven Torlesse terrane conglomerates, Rakaia rocks were exposed and recycled into the Pahau basin. Takaka Terrane.