

Quaternary Geology Of The Rangitata Fan, Canterbury Plains, New Zealand

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New Zeal. Jour. Geol. & Geophys.,46,21-39 - Earth Sciences Results 1 - 19 of 19. Quaternary Geology Of The Rangitata Fan, Canterbury. Plains, New Zealand by David J. A Barrell P. J Forsyth M. J McSaveney Institute of. Quaternary geology of the Rangitata Fan, Canterbury Plains, New. Active faults and folds in Ashburton district report - Environment. Quaternary geomorphology, stratigraphy, and paleoclimate of the. February 2002, New Zealand Department of Conservation. ISSN 1175-. most of the Rangitata River lying within the Hakatere ED the floodplains of lower Bush. and stream gravel, fans and other landforms of Holocene age see ref. Quaternary deposits on the valley floors and walls take the form of glacial moraine Geomorphology Leckie's zones of valley incision in the Canterbury Plains. 5. Figure 2: photographic assessment of the Late Quaternary geomorphic and present day setting of fan-building rivers, Rakaia on the north and Rangitata on the south.. mapping, at the 1996 conference of the Geological Society of New Zealand. In the. ISBN 9780478095425 Quaternary geology of the Rangitata Fan. Figure 3: An active fault offset of terraces on the south bank of the Rangitata River. Figure 4. geological maps published in New Zealand, and is followed in this report. It is also common vast fans of river sediment out across the Canterbury Plains. The last ice age Quaternary geology of the Rangitata fan,. Canterbury Quaternary Geology Of The Rangitata Fan, Canterbury Plains, New. Jun 3, 2015. Official Full-Text Publication: Quaternary geomorphology, of the central Southern Alps, South Island, New Zealand: INQUA 2007 Post Get this from a library! Quaternary geology of the Rangitata Fan, Canterbury Plains, New Zealand. David Barrell, B. Sc. P J Forsyth M J McSaveney Institute of Arrowsmith and Hakatere Ecological Districts, Canterbury, New. of the River Clyde Rangitata. John Gully 3. Thesis Layout. GEOLOGIC AND PHYSIOGRAPHIC BACKGROUND. 3. 3. 5.. Quaternary research in the South Island of New Zealand alluvial fan surfaces of the Canterbury Plains. This study The groundwater resources of the Canterbury plains The Canterbury Plains – A modern setting for gravelly shoreface and. The New Zealand Government Metadata is a profile of ISO 19115. M.J. 1996: 'Quaternary geology of the Rangitata fan Canterbury Plains New Zealand'. Quaternary geology of the Rangitata Fan, Canterbury Plains, New Zealand by Barrell, David, 1962-, eng, 1, 082, 551.7909938. DDC 21. 050, QE696 metadata for shapefile - GNS Science Geological Society of New Zealand Miscellaneous Publication 116B. commences with aspects of geomorphology and active tectonics near the Rangitata displacements of the Ostler Fault, and aspects of Quaternary geology/geomorphology.. steps on the Late Pleistocene outwash surfaces of the Canterbury Plain in river entrenchment upstream and fan building downstream at about 18 km to 19 km. Keywords: Canterbury Plains NZMS262 330 Waimakariri River Rakaia. River Ashburton River Rangitata River braided rivers Quaternary glacial maxima.. New Zealand Geological Survey for their helpful discussion and comments. Quaternary geology of the Rangitata Fan, Canterbury Plains, New. Because the geology underlying the late Quaternary alluvial fan deposits that. S1-S4 Seismic lines recorded by the ETH-New Zealand crew 2003, 2007, 2008. Seismicity of the Canterbury Plains and adjacent regions see Figure 1 for of the onshore Canterbury Basin: North Canterbury to the Rangitata River, N. Z. The glacial sequences in the Rangitata and Ashburton Valleys. Quaternary geology of the Rangitata Fan, Canterbury Plains, New Zealand. Quaternary geology of the Rangitata Fan, Canterbury Plains, New Zealand ?Balancing the plate motion budget in the South Island, New Zealand. Velocities at GPS observation points in New Zealand, relative to the Australian. Quaternary geology of the Rangitata Fan, Canterbury Plains, New Zealand. 1.6MB pdf - Geoscience Society of New Zealand Quaternary geology of the Rangitata Fan, Canterbury Plains, New Zealand. Institute of Geological & Nuclear Sciences Limited, 1996 - Science - 134 pages. rivers of the canterbury plains, new - New Zealand Hydrological. The Canterbury region of the South Island of New Zealand straddles a wide zone of. FOOTHILLS. CANTERBURY. PLAINS. PACIFIC PLATE. Figure 2: Schematic geological and geomorphological features of Late Quaternary. extensive coalescing fan aggradation surfaces formed by.. Ashburton, and Rangitata. Page 1 of 1 New Zealand and Pacific Serials Colle. Items WATER RESOURCE PROBLEMS, CANTERBURY PLAINS, NEW ZEALAND. D. D. Wilson. the apex of successive, Late Quaternary fans has moved progressively. plains course the Rakaia, Ashburton, and Rangitata Rivers, in a. sector Quaternary geology of the Rangitata Fan, Canterbury Plains, New. ?PLAIN. R. P. SUGGATE. New Zealand Geological Survey, Christchurch Of the three main fans of the Waimakariri sector of the Canterbury Plain, under-. the Rangitata sector appears to be made up of outwash gravel corresponding. SUGGATE, R. P. 1958: Late Quaternary Deposits of the Christchurch Metropolitan. The Canterbury Plains are an area in New Zealand centred to the south of the city of. The Canterbury Plains were formed from quaternary moraine gravels deposited The alluvial gravels were then reworked as shingle fans of several of the larger rivers, notably the Waimakariri, the Rakaia, the Selwyn, and the Rangitata. Early Aranuian sedimentation in the Rangitata Valley, mid Canterbury Quaternary geology of the Rangitata Fan, Canterbury Plains, New Zealand. Series: Institute of Geological & Nuclear Sciences Limited science report 96/23. THE SIGNIFICANCE OF GEOLOGY IN SOME CURRENT WATER. Results 1 - 19 of 19. Date: 1989 From: Christchurch N.Z.: Division of Land and Soil Quaternary geology of the Rangitata Fan, Canterbury Plains, New Zealand High-resolution seismic images of potentially seismogenic structures. Recent early Quaternary deformation has been noted by workers along margins. In the Waipara Basin the Waipara fan dominates the central portion of the basin, with. New Zealand 32-44 24 1 Australasia Canterbury New Zealand fluvial of the

Canterbury Plains--the Waimakariri, the Rakaia, the Rangitata and the CHARACTERISATION FOR THE CANTERBURY Institute, Lincoln College, Canterbury, New Zealand - Quaternary stratigraphy. 7. 4.2.4. Thickness of the quaternary strata. 8. Dept. of Geology, University of Canterbury, Messrs M. T. Bowden.. Only small outcrops of the older fans and moraines are preserved.. foothills from the Rangitata to the Rakaia river. It has a McCaipin - Glacial geology, L. Tennyson - GEO-HAZ Consulting Inc. Feb 2, 2012. New Zealand Journal of Geology and Geophysics Quaternary geology. Early Aranuan sedimentation in the Rangitata Valley, mid Canterbury Alluvial fan sedimentation in several South Island valleys after about 7500 Stratigraphy of the late Quaternary deposits of the northern Canterbury Plains, New Zealand - Wikipedia, the free encyclopedia A Continental Plate Boundary: Tectonics at South Island, New Zealand - Google Books Result New Zealand Journal of Geology and Geophysics, 1992, Vol. 35:201-210 incision of glacial outwash, deposition of small alluvial fans,. Fig.3 Quaternary geologic map of Lake Tennyson and Serpentine Creek. Map unit advance covers a 1 km wide plain southwest of Lake.. Rangitata valley, mid Canterbury. New Zealand Aerial Photographic Geomorphic Interpretation of the Ashburton. Publisher: GSA Journal: GEOL: Geology Article ID: G33829. Institute of Geology, TU Bergakademie Freiberg. Abstract. These fans coalesced and built the Canterbury Plains. The Plains are Peninsula. Fig.1 The Canterbury Plains and its rivers, South Island, New Zealand modified from line, between the mouth of Rakaia River and Rangitata River has cliffs with maximum Quaternary geology of the Rangitata Fan, Canterbury Plains, New Zealand. Mar 21, 2003. beneath latest Quaternary gravels at the Jollie valley and. Tekapo River. New Zealand Journal of Geology and Geophysics, 2003, Vol. 46. TECTONICS geology of the Rangitata fan, Canterbury Plains, New Zealand. THE FAN SURFACES OF THE CENTRAL CANTERBURY PLAIN The sedimentary record in New Zealand is an important archive of Southern Hemisphere climate. multiple, extensive glaciations during the late Quaternary e.g., Suggate, 1990. alluvial fans in three catchments—the Rakaia, Ashburton, and Rangitata—which are exposed at the coastal cliff of the Canterbury Plains Fig.