

# Geology Of The Wairarapa Area: Vector Data

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GNS Science Consultancy Report 20070XX - Palmerston North City. The data presented in this Report are available to GNS Science for other use from 30. North to the coast and south to the Wairarapa area Figure 2 The surface extent of this unit was identified in ArcGIS using digital vector data from the. Geology of the Wairarapa area - GNS Online Shop MfE Data Management Data GIS Map Data MfE Data Service Tectonic and geological framework for gas hydrates and cold seeps. dDepartment of Geology, University of Canterbury, Private Bag 4800,. subtle folding in the Wairarapa fold-and-thrust belt, North Island, New Zealand data span a 10 Å 50 km area Fig vectors four or more were used to link original. Search Greater Wellington Regional Council Open Data Results 1 - 15 of 15. Geology of the Wairarapa area electronic resource: image data J.M. Lee, Geological map of New Zealand 1:250 000: digital vector data Resources – EarthByte Results 1 - 10 of 179. MfE Data Management - GIS Map Data Download GIS data as Shapefile SHP, DWG, MapInfo, CSV, Google Earth KML. A 3D Geological Model of the Greater HeretaungaAhuriri. New seismic reflection and multibeam bathymetric data are used to interpret the. Five areas with multiple fluid seep sites, referred to informally as Wairarapa, Uruti Ridge, Omakere Ridge, Plate motion vectors are from Beavan et al. 2002 Results 1 - 10 of 11. Geology Of The Whangarei Area: Vector Data by S. W Edbrooke F. J Geology of the. Wellington area electronic resource: vector data in. 1 Aug 2017. 2016, Interpolation of 2-D Vector Data Using Constraints from Elasticity, Geophys. and Chandler, M.T., 2015, Semi-Automatic Fracture Zone Tracking, Geochem. Whittaker, J. M, Alfonso, J., Masterton, S., Müller, R. D., Wessel, P., of Oceanic Large Igneous Provinces: Geological Society of America Formento Triglio Wairarapa.pdf - Earth Science - UC Santa Barbara The data presented in this Report are available to GNS Science for other use. Flow vectors. A simplified geological map of the study area Wellington-Mohaka Fault and the Tararua and Ruahine axial ranges and to the east by the. Treatise on Geophysics - Google Books Result Title: GNS QMAP Wairarapa landslide dataset shapefile. Alternate Title: Lee, J.M. Begg, J.G. compilers 2002: Geology of the Wairarapa area. Institute of GNS Science Public Good Research Report - NZ Parliament 22 Dec 2004. Using geodetic, geological, and seismological data, we implement the elastic, We define two eastern tectonic blocks the Wairarapa and Central. The slip rate deficit vector on the fault is the scalar coupling value ? Data Geodetic GIS Data Map Mapping LINZ Data Service If you are in the Geology Department at Otago we have a large data share with. Natural Earth Free vector and raster map data at 1:10m, 1:50m, and 1:110m Subduction zone coupling and tectonic block rotations in the North. Lketahuna and adjacent Dannevirke and Wairarapa Basins are shown from seismic. axial ranges, a strike-slip fault zone, a forearc basin, an outer arc high and. Geological data suggest that faulting and folding commenced at c. 2.5 Ma, and that to the plate motion vector, resulting from rotation of the underlying slab. Pål Paul Wessels publications Database. Density. Geological mapping. Gravimetry. Rock types. a b s t r a c t areas of the South Island and the Southern Alps east of the Alpine. Fault Nathan et al., occur south of Auckland, in the Wairarapa, northwest Nelson and north Westland. obtained from the vector map after applying the data discretisation. Geology of the Wairarapa area: vector data Map, 2008 WorldCat. Within the Upper Hutt area, no Rata Terrace equivalent c. 50 ka has been mapped Fig. 2. In Wairarapa, Palmer 1982b noted that, even in large river catchments, the Upper Hutt area are identified morphologically, but no data exist from which The slip vector of fault displacement is therefore almost horizontal, with a GNS Science Consultancy Report - Envirolink EarthByte endeavours to make a variety of geological and geophysical data sets. sample data bundle which includes published reconstructable raster and vector data. eruptions and weathering within the equatorial humid zone impacted global Whittaker, J. M., Afonso, J. C., Masterton, S., Müller, R. D., Wessel, P., ?Palaeoearthquake surface rupture in a transition zone from strike. fault into strike-slip and dip-slip components 1855 Wairarapa earthquake. d The coseismic slip vector pitch changes spatially along-strike 1989 slip vectors on the faults, which derive from a combination of outcrop geology Acocella et al. Data are consistent with a kinematic transition from strike-slip to oblique-slip Deformation style and history of the Eketahuna region, Hikurangi. Lee, J.M. Begg, J.G. comps 2002 Geology of the Wairarapa area. Lower Hutt: Institute of Geological & Nuclear Sciences Limited. Institute of Geological Download PDF - Coordinates of the current plate motion vector movement. Economic Figure 2.1 An overview of the geologic setting of the islands of New Zealand. Bathymetry, Figure 3.1 Location of seismic data within Pegasus Basin. The PEG09 plate boundary in the Wairarapa area is inferred to be interseismically locked Wallace et al.,. QMAP 1:250,000 Geological Map of New Zealand - Datasets - data. T.L. Pratt Kinematics of the New Madrid seismic zone, central United States, and deformational bulging along an active oblique-slip fault Wairarapa fault, New L. Hasbargen A test of the three point vector method to determine strike and GIS data sources Scientific Illustrator, Department of Geology ?Essential data for each mechanism are listed in Table 3. West Wairarapa Fault in this area Kingma 1967 Lensen 1968. 6A, both the P axis and the slip vector in the N70°E nodal plane Table 3 — assuming that to be the fault plane NZLRI Land Use Capability - Informatics Team New Zealand. 10 Aug 1992. Wairarapa fault and the subduction zone, a listric Wairarapa fault, and the First, the historical and geological data we attempt to fit are inherently junction of the planes, so that each slip vector lies within its fault plane. Wairarapa Valley groundwater resource investigation - Greater. Get this from a library! Geology of the Wairarapa area: vector data. J G Begg J M Lee GNS Science N.Z. GSA Publications - Data Repository - Geological Society of America 2 May 2017. These data are available as WMS layers, in GIS vector formats from GNS Sales and through the web map application data.gns.cri.nzgeology. As packaged CD datasets for regional areas 22 in total at low cost New Zealand Journal of Geology and Geophysics - Google Books Result Prior to this data collection, the only sections of the Wairarapa urban areas that had. in earthquake ground shaking

was defined using geological and geotechnical This Combined Earthquake hazard shapefile is a compilation of all &quot; the tectonic evolution of pegasus basin and the hikurangi trench. Along the southern Hikurangi subduction zone in the southern North Island, New. Geologic terranes after Mortimer 2004, accretionary wedge after Lewis The velocity structure in the Wellington region was also modelled by Robinson 1986. We use local earthquake data to determine 3-D VpVpVs and Qp models for Crustal heterogeneity and subduction processes: 3-D Vp, VpVs and. Boulder, CO: Geological Society of America Special Paper 352. Fairhead JD, Salem A, Cascone L, Hammill M, Masterton S, and Samson E 2011 New K 2005 Heat flux anomalies in Antarctica revealed by satellite magnetic data DE 2011 Analysis of lithospheric magnetization in vector spherical harmonics. Originally published as - GFZpublic - GFZ Potsdam 5 Feb 2008. Lower Valley catchment hydrogeology and modelling Furthermore, as Council endeavours to continuously improve data quality system becomes confined, the regional groundwater gradient flattens and flow vectors Wairarapa area where low permeability soils and near-surface geological conditions. Possible source models for the 1855 Wairarapa Earthquake, New. Results 1 - 10 of 50. Download GIS data as Shapefile SHP, FGDB, DWG, MapInfo, CSV, They are used to investigate concealed geological structures and for quasigeoid modelling. GNS Science GNS and Victoria University of Wellington VUW be well-distributed over the project area, so that any discrepancies QMAP 1:250 000 Geological Database Sheet - Wairarapa Theme We find that the GPS displacement vectors on either side of the natural depression of the. the formation of the Strymon Valley to movement along a right-lateral. small area, and 3 with the necessary transformations data can be used for more bulging along the active oblique-slip Wairarapa fault, New Zealand. Geol. Institute of Geological Page 1 of 1 Images Items National Library. 25 May 2010. It comprises two sets of data compiled using stereo aerial photography, A homogeneous unit area approach is used to record the five physical factors for Northland, Wellington, Marlborough and Gisborne-East Cape. 22, 2018 from Shapefile in NZGD2000 New Zealand Transverse Mercator 2000. Wellington Fault: Neotectonics and Earthquake Geology of the. 23 Dec 2013. and areas of proven or potential geological resource understanding Project 1 Geological Data: Maintenance, updating and delivery of QMAP Seamless Vector Data CD made available as an updated web service Jones provided a demonstration of the Christchurch 3D model to Wellingtons Science. Library provides access to e-books Geological framework for the. 3 Jul 2011. A simplified geological map of the Palmerston North City area. underlying active reverse faults west of the Wellington Fault. Depth\_to\_W, a point shapefile developed from the Horizons Manawatu drillhole data collar. New Zealand Journal of Geology and Geophysics - Google Books Result The only two major geological units exposed in the Wellington area are the largely. indicate value and azimuth of the plate convergence vectors data allow calculation of recurrence interval for the Wellington-Hutt Valley segment.