



REVISED GEOLOGICAL MAP OF THE NELSON-RICHMOND URBAN AREA



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The geology of the Nelson-Richmond urban area was mapped by Johnston (1979; 1981; 1982) and included in the subsequent regional compilation of the Nelson QMap at scale 1:250,000 (Rattenbury et al. 1998).

The revised map presented here incorporates new stratigraphic and structural data made available in the last four decades by exposures at building sites and in boreholes and trenches, as well as geomorphic information from LiDAR surveys undertaken by the Nelson City and Tasman District councils.

Our revision focuses on the geology and structural setting of the sedimentary cover in relation to the W-FFS, whilst we refer to Johnston (1979; 1981; 1982) for detailed structural mapping of the basement units. Projection NZTM

The geological map is superposed onto the NZTM2000 Topo50 map BQ26 (Nelson) (<http://www.linz.govt.nz>), and rendered as a geo-referenced geotiff file. The map can be displayed at a range of scales, but the resolution of mapping is suitable for scales 1:25,000 to 1:50,000.

References

- Johnston MR. 1979. Geology of the Nelson urban area 1:25,000 (1st ed.), New Zealand Geological Survey. Urban Series Map 1, Map 1 sheet, notes 52 p. Department of Scientific and Industrial Research, Wellington.
- Johnston MR. 1981. Sheet 027AC. Dun Mountain (1st edition). Geological Map of New Zealand 1:50,000. Department of Scientific and Industrial Research, Wellington.
- Johnston MR. 1982. Sheet N27 (Part) Richmond (1st edition). Geological Map of New Zealand 1:50,000. Department of Scientific and Industrial Research, Wellington.
- Rattenbury MS, Cooper RA, Johnston MR (compilers). 1998. Geology of the Nelson area. Institute of Geological & Nuclear Sciences 1:250,000 geological map 9. Lower Hutt, Institute of Geological & Nuclear Sciences, 1 sheet + 67 p.