



Refereed Publications

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- Minty, B.R.S. 1991. Simple micro-levelling for aeromagnetic data. *Exploration Geophysics*, 22, 591-592.
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- Grasty, R.L., and Minty, B.R.S., 1995. The standardisation of airborne gamma-ray surveys in Australia. *Exploration Geophysics*, 26, 276-283.
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- Minty, B.R.S., and McFadden, P., 1998. Improved NASVD smoothing of airborne gamma-ray spectra. *Exploration Geophysics*, 29 (3/4), 516-523.
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- Minty, B.R.S., Mackey, T., and Grasty, R.L., 1999. A calibration range in south-eastern Australia for airborne gamma-ray spectrometers. *Exploration Geophysics*, 30, 27-32.
- Minty, B., 2000. Automatic merging of gridded airborne gamma-ray spectrometric surveys: *Exploration Geophysics*, 31, 47-51.
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- Billings, S.D., Minty, B.R.S. and Newsam, G.N., 2003. Deconvolution and spatial resolution of airborne gamma-ray surveys. *Geophysics*, 68 (4), 1257-1266.
- Bodorkos, S., Sandiford, M., Minty, B.R.S. and Blewett, R.S., 2004. A high-resolution, calibrated airborne radiometric dataset applied to the estimation of crustal heat production in the Archaean northern Pilbara Craton, Western Australia. *Precambrian Research*, 128, 57-82.
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- Wilford, J and Minty, B., 2007. The use of airborne gamma-ray imagery for mapping soils and understanding landscape processes. In "Developments in Soil Science – Volume 31: Digital Soil Mapping – An Introductory Perspective. Edited by P. Lagacherie, A.B. McBratney and M. Voltz. Elsevier 2007.
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- Minty, B., 2011. Short note: on the use of radioelement ratios to enhance gamma-ray spectrometric data. *Exploration Geophysics*, 42(1), 116-120.
- Minty, B.R.S. 2011. Airborne geophysical mapping of the Australian continent. *Geophysics*, 76(5), A27-A30.
- Other Selected Publications**
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- Minty, B.R.S., 1988. A review of airborne gamma-ray spectrometric data processing techniques. Bureau of Mineral Resources, *Geology and Geophysics*, Report 255.
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- Grasty, R.L., and Minty, B.R.S., 1995. A guide to the technical specifications for airborne gamma-ray surveys. AGSO Record 1995/60.
- Minty, B., 1996. The analysis of multichannel airborne gamma-ray spectra. PhD thesis, Australian National University.
- Minty, B.R.S. 1998. Recent developments in the processing of airborne gamma-ray spectrometric data. *Preview*, Issue No. 75.
- Minty, B.R.S. 1998. A review of multichannel methods in airborne gamma-ray spectrometry. *Geofisica aerea y geoquimica en la prospeccion geologico-minera*. Anales 31, IGRM-SEGEMAR, pp123-129. (contribution to the 10th Latin American Geological Congress in Buenos Aires, 1998).
- Minty, B.R.S. 2000. Reducing noise in airborne gamma-ray spectra. *Preview*, Issue No. 89, December 2000.
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- Minty, B., Franklin, R., Milligan, P, Richardson, M., 2007. Levelling the national gamma-ray spectrometric database. Poster paper presented at the 19th International Geophysical Conference and Exhibition, Australian Society of Exploration Geophysicists, Perth, 18-22 November 2007.
- De Caritat, P., Minty, B. and Raymond, O., 2008. Delivering new national geoscience datasets in Australia: *Geology, Geophysics and Geochemistry*. Explore Number 141, December 2008. Newsletter of the Association of Applied Geochemists.
- Minty, B. 2008. Levelling the Australian national radioelement database. Paper presented at the Australia-China Symposium: Remote sensing technologies and sustainability. Shine Dome, Canberra, 24-25 November 2008.
- Minty, B., Richardson, M., and Wilford, J., 2008. New Radiometric Map of Australia. *AUSGEO News*, 92 (Dec 2008), 1-3.

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- Minty, B., Franklin, R., Milligan, P., Richardson, L.M., and Wilford, J., 2009. The Radiometric Map of Australia. Paper presented at the 20th International Geophysical Conference and Exhibition, Australian Society of Exploration Geophysicists, Adelaide, 22-25 February 2009.
- Minty, B., 2009. New radiometric and geology maps of Australia - The Radiometric Map. Preview, 139 (April 2009).
- Matolin, M., and Minty, B., 2009. Levelling airborne and ground gamma-ray spectrometric data to assist uranium exploration. Paper presented at the International Symposium on Uranium Raw Material for the Nuclear Fuel Cycle: Exploration, Mining, Production, Supply and Demand, Economics and Environmental Issues (URAM-2009), 22-26 June 2009, Vienna, Austria.
- Wilford, J., Worrall, L. and Minty, B., 2009. Radiometric Map of Australia provides new insights into uranium prospectivity. AUSGEO News, 95 (Sep 2009), 7-10.
- Minty, B., 2010. Airborne geophysical mapping of the Australian continent. SEG Expanded Abstracts 29, 1840-1844.
- "New developments in gamma-ray spectrometry", 26 February 1998, Sydney. Co-convenor and contributor.
- "Multichannel methods for airborne gamma-ray spectrometry", 28-29 July 1998, BRGM, Orleans, France. Presenter.
- "The airborne gamma-ray spectrometric method", 6 November 1998, ASEG Conference Workshop, Hobart, Tasmania. Convenor and presenter.
- "The gamma-ray spectrometric method", 20 February 2003, ASEG Conference Workshop, Adelaide, South Australia. Convenor and co-presenter.
- "Radioelement Mapping Using Gamma-ray Spectrometry", 22 February 2007, Workshop presented on the invitation of the South African Geophysical Association, Johannesburg, South Africa.
- "The Airborne Magnetic and Radiometric Methods", 20-21 November, 2012. Workshop presented on the invitation of the Iranian Geophysical Society, Tehran, Iran.

IAEA Consultancies

- INTERNATIONAL ATOMIC ENERGY AGENCY, 2003. Guidelines for Radioelement Mapping using Gamma Ray Spectrometry Data, IAEA-TECDOC-1363, IAEA, Vienna (2003).
- INTERNATIONAL ATOMIC ENERGY AGENCY, 2010. Radioelement mapping. IAEA nuclear energy series, ISSN 1995-7807; no.NF-T-1.3.

Workshops/Training Courses

- "Magnetic/Radiometric workshop", 9-10 February 1993. Australian Geological Survey Organisation, Canberra. Contributor.
- "Processing of airborne geophysical data", 1994. Des Fitzgerald and Associates, Melbourne. Contributor.
- "Developments in gamma-ray spectrometry", 7 September 1995. Adelaide. Convenor and co-presenter.
- "Developments in gamma-ray spectrometry", 11 September 1995. AGSO, Canberra. Convenor and co-presenter.
- "Airborne gamma-ray spectrometric standards", 6 April 1995. National Press Club, Canberra. Convenor and co-presenter.
- "The airborne gamma-ray spectrometric method", 19 May 1997, Anglo American Corporation, Johannesburg, South Africa. Presenter.
- "Multichannel processing for airborne gamma-ray spectrometry", 21 May 1997, Anglo American Corporation, Johannesburg, South Africa. Presenter.
- "The airborne gamma-ray spectrometric method", 27 July 1998, BRGM, Orleans, France. Presenter.