

## Appendix 1 SSD publications for 2004–05

### Published<sup>1</sup>

- Bellio MG & Chatto R 2004. Status of Australia's birds: Waterbirds of the Northern Territory – threats and issues. In *Status of Australia birds*. Wingspan, December 2004.
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- Evans KG, Moliere DR, Saynor MJ, Erskine WD & Bellio MG 2004. *Baseline suspended-sediment, solute, EC and turbidity characteristics for the Ngarradj catchment, Northern Territory, and the impact of mine construction*. Supervising Scientist Report 179, Supervising Scientist, Darwin NT.
- Evans KG, Moliere DR, Saynor MJ, Erskine WD & Bellio MG 2004. Water quality trigger values for suspended mud in the Jabiluka mine receiving catchment, NT, Australia. In *PACRIM 2004*, Adelaide, 19–22 September 2004, AusIMM, Melbourne, 447–452.
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- Finlayson CM, Bellio MG & Lowry J 2005. A conceptual basis for the wise use of wetlands in northern Australia – linking information needs, integrated analyses, drivers of change and human well-being. *Marine and Freshwater Research* 56(3), 269–277.
- Hogan A 2005. Endocrine-disrupting compounds in Kakadu National Park. *Issues* 70 March, 9–11.
- Larson HK & Pidgeon R 2005. New records of freshwater fishes from East Timor. *The Beagle*, Records of the Museums and Art Galleries of the Northern Territory 20, 195–198.
- Martin P & Hancock GJ 2004. *Routine analysis of naturally occurring radionuclides in environmental samples by alpha-particle spectrometry*. Supervising Scientist Report 180, Supervising Scientist, Darwin NT.
- Martin P, Tims S, Ryan B & Bollhöfer A 2004. A radon and meteorological measurement network for the Alligator Rivers Region, Australia. *Journal of Environmental Radioactivity* 76, 35–49.

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<sup>1</sup> Includes presentations to conferences and symposia that have been externally published.

- Molier D 2005. *Analysis of historical streamflow data to assist sampling design in Gulungul Creek, Kakadu National Park, Australia*. Supervising Scientist Report 183, Supervising Scientist, Darwin NT.
- Molier DR & Boggs GS 2005. Understanding stream lag-times – implications for water quality sampling in mining-impacted catchments of Kakadu, NT. In *Water Capital*, Proceedings of the 29<sup>th</sup> Hydrology and Water Resources Symposium, 20–23 February 2005, Canberra, Engineers Australia (CD).
- Pfützner K & Clifton R 2004. Integration of airborne CASI and gamma-ray data for minesite characterisation. In *12<sup>th</sup> Australasian Remote Sensing and Photogrammetry Conference*, 18–22 October 2004, Fremantle, Western Australia (CD-ROM).
- Pfützner K 2005. Mining and Exploration: Radiation Assessment, *Position* June/July 2005, 54–57.
- Ryan B, Martin P & Iles M 2005. Uranium-series radionuclides in native fruits and vegetables of northern Australia. *Journal of Radioanalytical and Nuclear Chemistry* 264(2), 407–412.
- Sauerland C, Martin P & Humphrey C 2005. Radium 226 in Magela creek, northern Australia: Application of protection limits from radiation for humans and biota. *Radioprotection* Suppl. 1, vol 40, S451–S456.
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- Supervising Scientist 2004. *Investigation of the potable water contamination incident at Ranger mine March 2004*. Supervising Scientist Report 184, Supervising Scientist, Darwin NT.
- van Dam R 2004. *A review of the eriss Ecotoxicology Program*. Supervising Scientist Report 182, Supervising Scientist, Darwin NT.
- van Dam RA, Camilleri C, Bayliss P & Markich SJ 2004. Ecological risk assessment of tebuthiuron following application on tropical Australian wetlands. *Human and Ecological Risk Assessment* 10, 1069–1097.
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- Waggitt P & Lambert I 2004. Environmental regulation of uranium mining in Australia. In *Abstracts of 32nd International Geological Congress (32IGC)*, 20–28 August 2004, Florence, Italy.
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## Unpublished papers and reports<sup>2</sup>

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Bayliss P, Bellairs S, Pfitzner K & Vink S 2004. Revegetation of Nabarlek minesite: Preliminary characterisation of vegetation on the minesite and on adjacent natural landscapes in September 2003. Internal Report 488, October, Supervising Scientist, Darwin. Unpublished paper.

Bayliss P, Finlayson M & van Dam R 2004. Progress and review of the ISP Landscape Program (2002–2004) in the Alligators Rivers Region: ARRTC Key Knowledge Need 5.1 – Landscape scale analysis of impacts. Internal Report 492, October, Supervising Scientist, Darwin. Unpublished paper.

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Camilleri C 2004. A stocktake of the number and size range of flora and fauna species of Magela Creek, Alligator Rivers Region, NT. Internal Report 441, July, Supervising Scientist, Darwin. Unpublished paper.

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<sup>2</sup> Includes Internal Reports, newsletters, consultancy reports.

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- Martin P, Larsen E, Dixon D & Sly LI 2004. Laboratory scale bioreactor studies on the removal of radionuclides from mine retention pond water. Internal Report 483, August, Supervising Scientist, Darwin. Unpublished paper.
- Medley P, Bollhöfer A, Iles M, Ryan B & Martin P 2005. Barium sulphate method for radium-226 analysis by alpha spectrometry. Internal Report 501, June, Supervising Scientist, Darwin. Unpublished paper.
- Moliere DR, Evans KG, Saynor MJ & Smith BL 2005. Hydrology and suspended sediment of the Ngarradj catchment, Northern Territory: 2003–2004 wet season monitoring. Internal Report 497, February, Supervising Scientist, Darwin. Unpublished paper.
- National Centre for Tropical Wetland Research 2005. Tropical Rivers Project Milestone Report, NCTWR, Darwin.
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- van Dam R, Hogan A, Nou S & Markich S 2005. Ecotoxicological assessment of retention pond water from Mount Todd gold mine: Report for the Northern Territory Department of Business, Industry and Resource Development (DBIRD). Internal Report 499, March, Supervising Scientist, Darwin. Unpublished paper. (Commercial-in-confidence)
- van Dam R, Iles M, Sauerland C, Humphrey C, Wagner K, Hogan A & Nou S 2004. Comments to Environment Protection Branch, DEH, on the prototype of the National Chemical Reference Guide – Standards in the Australian Environment. October 2004.
- Wagner K 2004. The use of diffusive gradients in thin films (DGT) for monitoring U and other trace metals in freshwater creeks potentially impacted by mining activities. Internal Report 494, October, Supervising Scientist, Darwin. Unpublished paper.
- Welch M, Puig P & Pfitzner K 2004. Weed monitoring at Ranger and Jabiluka April-May 2004. Report prepared for ERA Ranger Mine by EWL Sciences Pty Ltd, December 2004, Darwin NT.

### **Presentations to conferences and symposia<sup>3</sup>**

- Bayliss P & van Dam R, Catchment-based risk assessment for northern rivers. Paper presented at Australia's Tropical Rivers Forum. Overview of Australia's Tropical Rivers: an integrated data assessment and analysis project, National Centre for Tropical Wetland Research, 12 November 2004, Charles Darwin University, Darwin NT Australia.
- Bollhöfer A, Rosman K, Honeybun R & Martin P, The use of radioactive and radiogenic isotopes for monitoring environmental impacts of uranium mining, Paper presented at 29th Australasian Radiation Protection Society Conference, Adelaide, 24–27 October 2004.
- Finlayson CM, Ramsar Scientific and Technical Review Panel (STRP) mid-term workshop, July 2004, Wangeningen, The Netherlands.
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- Finlayson CM, Australia's Tropical Rivers: an integrated data analysis and assessment. Paper presented at Australia's Tropical Rivers Forum. Overview of Australia's Tropical Rivers: an integrated data assessment and analysis project, National Centre for Tropical Wetland Research, 12 November 2004, Charles Darwin University, Darwin NT Australia.
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- Finlayson CM, Guidance for describing the ecological character of wetlands. Paper presented at Ramsar Scientific and Technical Review Panel (STRP) mid-term workshop, July 2004, Wangeningen, The Netherlands.

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<sup>3</sup> Presentations to conferences and symposia that have been externally published are included in 'Published' section of the bibliography.

- Finlayson CM & Davidson NJ, Integrated framework for wetland inventory, assessment and monitoring. Paper presented at Ramsar Scientific and Technical Review Panel (STRP) mid-term workshop, July 2004, Wageningen, The Netherlands.
- Finlayson CM, Australia's tropical floodplain wetlands: plant growth in a dynamic environment. Paper presented at International Conference on Plant Anaerobiosis, University of Western Australia, Perth, September 2004.
- Finlayson CM. President's report. Board of Members, Wetlands International, Bangkok, Thailand. November 2004.
- Finlayson CM. Working Group 1: Wetland inventory and assessment. Paper presented at Scientific and Technical Review Panel 12. Gland, Switzerland, February 2005.
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- Humphrey C, Australia's tropical rivers – aquatic invertebrates. Paper presented at Australia's Tropical Rivers Forum. Overview of Australia's Tropical Rivers: an integrated data assessment and analysis project, National Centre for Tropical Wetland Research, 12 November 2004, Charles Darwin University, Darwin NT Australia.
- Humphrey C, Australia's tropical rivers – an integrated data analysis and assessment. Presentation to the Third Interim Kimberley NRM Group Meeting, Derby WA, 19 August 2004.
- Humphrey C, Monitoring potential impacts of uranium mining in the ARR: Practical considerations. Lecture presented to Charles Darwin University Masters students, July 2004.
- Humphrey C & Evans K, Comment arising from the second Gordon River Scientific Reference Committee meeting, Hobart, 9 December 2004. Provided by the DEH (*eriss*, SSD) Representatives to the Gordon River Scientific Reference Committee.
- Lowry JB, Mapping and collating data for Australia's tropical rivers – thoughts, progress, issues. Paper presented at Australia's Tropical Rivers Forum. Overview of Australia's Tropical Rivers: an integrated data assessment and analysis project, National Centre for Tropical Wetland Research, 12 November 2004, Charles Darwin University, Darwin NT Australia..
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- Turner KF, Brazier JA, Munksgaard NC, Parry DL & Sauerland C 2005. Environmental monitoring and speciation analysis of uranium in freshwater systems using diffusive gradients in thinfilms. Paper presented at the 8<sup>th</sup> international conference of ICOTTE, Adelaide, 3–7 April 2005.
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