

APPENDIX 2 PUBLICATIONS FOR 2008–2009

Published⁸

- Bartolo R 2008. Women in remote sensing and photogrammetry – results of the SSI women in spatial survey. In *14ARSPC: Proceedings of the 14th Australasian Remote Sensing and Photogrammetry Conference*, Darwin NT, 30 September – 2 October 2008. USB2.0
- Bartolo R, Bayliss P & van Dam R 2008. *Ecological risk assessment for Australia's northern tropical rivers. Sub-project 2 of Australia's Tropical Rivers – an integrated data assessment and analysis (DET18)*. A report to Land & Water Australia. Environmental Research Institute of the Supervising Scientist, National Centre for Tropical Wetland Research, Darwin NT. www.environment.gov.au/ssd/tropical-rivers/triap-sp2.html.
- Bollhöfer A 2009. The importance of conducting an early baseline radiation study. In *Radiation in Mining and Exploration Workshop: Presentations*. Darwin NT 12 June 2009, Darwin NT, The Australian Institute of Mining and Metallurgy, Carlton South, Vic, CD.
- Bollhöfer A, Martin P, Ryan B, Pfitzner K, Frostick A, Evans K & Jones D 2008. Radiological Assessment of the rehabilitated Nabarlek Uranium Mine, Northern Territory, Australia. In *Uranium Mining and Hydrogeology V conference of the Technische Universität Bergakademie Freiberg*. 14–18 September 2008, eds BJ Merkel & A Hasche-Berger, Freiberg, Saxony, Germany, 363–364.
- Bollhöfer A, Pfitzner K, Martin P, Ryan B & Jones DR 2008. The use of remotely sensed radiometric data for the assessment of the radiological status of historic uranium mine sites in the Northern Territory, Australia. In *14ARSPC: Proceedings of the 14th Australasian Remote Sensing and Photogrammetry Conference*, Darwin NT, 30 September – 2 October 2008. USB2.0
- Bollhöfer A, Pfitzner K, Ryan B, Martin P, Fawcett M & Jones DR 2008. Airborne gamma survey of the historic Sreisbeck mine area in the Northern Territory, Australia, and its use for site rehabilitation planning. *Journal of Environmental Radioactivity* 99, 1770–1774.
- Boyden J, Bartolo R, Bayliss P, Christophersen P, Lawson V, McGregor S & Kennett R 2008. Initial assessment of high-resolution remote sensing to map and monitor change in wetland vegetation on Boggy Plains, World Heritage Area, Kakadu National Park, Australia. In *14ARSPC: Proceedings of the 14th Australasian Remote Sensing and Photogrammetry Conference*, Darwin NT, 30 September – 2 October 2008. USB2.0
- Bush M 2009. Assessment of new uranium mines under the *Environmental Protection and Biodiversity Conservation Act 1999*. In *AusIMM International Uranium Conference: Presentations*. 10–11 June 2009, Darwin NT, The Australian Institute of Mining and Metallurgy, Carlton South, Vic, CD.

⁸ Includes presentations to conferences and symposia that have been externally published in 2008–09.

- de Groot R, Finlayson M, Verschuuren B, Ypma O & Zylstra M 2008. *Integrated assessment of wetland services and values as a tool to analyse policy trade-offs and management options: A case study in the Daly and Mary River catchments, northern Australia*. Supervising Scientist Report 198, Supervising Scientist, Darwin NT.
- Finlayson CM, Elliott I & Elliott M 2009. A strategic framework for monitoring coastal change in Australia's wet-dry tropics: concepts and progress. *Geographical Research* June 2009 47(2), 109–123.
- Hahn T, Stauber J, Dobson S, Howe P, Kielhorn J, Koennecker G, Diamond J, Lee-Steere C, Schneider U, Sugaya Y, Taylor K, van Dam R & Magelsdorf I 2009. Reducing uncertainty in ERA: Clearly defining acute and chronic toxicity tests. *Integrated Environmental Assessment and Management – Learned Discourse* 5(1), 175–177.
- Hancock GR, Lowry JBC, Coulthard TJ & Evans KG 2008. A catchment scale evaluation of the SIBERIA and CAESAR landscape evolution models. In *14ARSPC: Proceedings of the 14th Australasian Remote Sensing and Photogrammetry Conference, Darwin NT*, 30 September – 2 October 2008. USB2.0
- Hancock GR, Lowry JBC, Moliere DR & Evans KG 2008. An evaluation of an enhanced soil erosion and landscape evolution mode: a case study assessment of the former Nabarlek uranium mine, Northern Territory, Australia. *Earth Surface Processes and Landforms* 33(13), 2045–2063.
- Hancock, GR, Lowry JBC, Coulthard TJ, Evans KG & Moliere DR 2009. A catchment scale evaluation of the SIBERIA and CAESAR landscape evolution models. *Earth Surface Processes and Landforms*. (in press)
- Harford AJ, Negri A, Wilson S, Hogan AC, Parry DP, Orr J, Houston M & van Dam RA 2008. The development of robust ecotoxicological protocols for tropical marine environments: Knowledge gaps, progress and future needs. Paper presented at Coast to Coast '08, 18–22 August 2008, Darwin. Department of Natural Resources, Environment & the Arts, Northern Territory Government. Available at <https://www.coast2coast.org.au/presentation-files.html>. Last accessed 13 October 2008.
- Hogan AC, van Dam RA, Houston MA, Harford AJ, Nou S 2009. Uranium exposure to the tropical duckweed, *Lemna aequinoctialis*, and pulmonate snail, *Amerianna cumingi*: fate and toxicity. *Archives of Environmental Contamination and Toxicology*. (in press)
- Houston M, Ng J, Noller B, Markich SJ & van Dam R 2008. The influence of Suwannee River fulvic acid on the speciation and toxicity of uranium to Australian tropical freshwater species. In *From molecular understanding to innovative applications of humic substances. Proceedings of the 14th meeting of International Humic Substances Society*. Moscow, 13–19 September 2008, eds IV Perminova & NA Kulikova, 421–424.
- Johansen K, Phinn S, Lowry J & Douglas M 2008. Quantifying indicators of riparian condition in Australian tropical savannas: integrating high spatial resolution imagery and field survey data. *International Journal of Remote Sensing* 29 (23), 7003–7028.
- Jones DR & Webb A (eds) 2009. *eriss research summary 2007–2008*. Supervising Scientist Report 200, Supervising Scientist, Darwin NT.

- Lawrence CE, Akber RA, Bollhöfer A & Martin P 2009. Radon-222 exhalation from open ground on and around a uranium mine in the wet-dry tropics. *Journal of Environmental Radioactivity* 100, 1–8.
- Lowry J, Hess L & Rosenqvist A 2008. Mapping and monitoring wetlands around the world using ALOS PALSAR: the ALOS Kyoto and Carbon Initiative wetland products. In *14ARSPC: Proceedings of the 14th Australasian Remote Sensing and Photogrammetry Conference*, Darwin NT, 30 September – 2 October 2008. USB2.0
- Lowry J, Staben G & Saynor M 2008. Mapping the distribution of landslides in Arnhem Land using ALOS AVNIR imagery and object-based classification techniques. In *14ARSPC: Proceedings of the 14th Australasian Remote Sensing and Photogrammetry Conference*, Darwin NT, 30 September – 2 October 2008. USB2.0
- Moliere DR, Lowry JBC & Humphrey CL 2009. Classifying the flow regime of data-limited streams in the wet-dry tropical region of Australia. *Journal of Hydrology* 367 (2009), 1–13.
- Pfützner K, Esparon A & Bollhöfer A 2008. SSD's spectral library database. In *14ARSPC: Proceedings of the 14th Australasian Remote Sensing and Photogrammetry Conference*, Darwin NT, 30 September – 2 October 2008. USB2.0
- Taylor K 2009. The regulation of uranium mining in the Northern Territory. In *Radiation in Mining and Exploration Workshop: Presentations*. Darwin NT 12 June 2009, Darwin NT, The Australian Institute of Mining and Metallurgy, Carlton South, Vic, CD.
- Turner K & Taylor K 2009. Research to routine monitoring – best practice water quality monitoring. In *AusIMM International Uranium Conference: Presentations*. 10–11 June 2009, Darwin NT, The Australian Institute of Mining and Metallurgy, Carlton South, Vic, CD.
- van Dam RA, Harford AJ, Houston MA, Hogan AC & Negri AP (in press). Tropical marine toxicity testing in Australia: A review and recommendations. *Australasian Journal of Ecotoxicology* 14(2).
- van Dam RA, McCullough C, Hogan A, Houston M, Harford A & Humphrey C (in press). Aquatic toxicity of magnesium sulphate, and the influence of calcium, in very low ionic concentration water. *Environmental Toxicology & Chemistry*.
- Warne M & van Dam R 2008. NOEC and LOEC data should no longer be generated or used. *Australasian Journal of Ecotoxicology*. (in press)
- Wilson GDF, Humphrey CL, Colgan DJ, Gray KA & Johnson RN 2009. Monsoon-influenced speciation patterns in a species flock of *Eophreatoicus* Nicholls (Isopoda; Crustacea) *Molecular Phylogenetics and Evolution* 51(2), 349–364.

Unpublished papers and reports

- ARRAC 2008. Alligator Rivers Region Advisory Committee 27th Meeting, April 2007, Darwin, Meeting papers. Internal Report 540, August, Supervising Scientist, Darwin. Unpublished paper.

- ARRAC 2008. Alligator Rivers Region Advisory Committee 28th Meeting, August 2007, Darwin, Meeting papers. Internal Report 541, August, Supervising Scientist, Darwin. Unpublished paper.
- Alligator Rivers Region Advisory Committee 2009. Alligator Rivers Region Advisory Committee 29th Meeting, April 2008, Darwin, Meeting papers. Internal Report 542, June, Supervising Scientist, Darwin. Unpublished paper.
- Bollhöfer A & Fawcett M 2009. Results of a gamma dose rate survey at the rehabilitated Sreisbeck mine, Northern Territory, Australia. Internal Report 561, April, Supervising Scientist, Darwin. Unpublished paper.
- Bollhöfer A, Fawcett M, Staben G, Sellwood J, Fox G, Ryan B & Pfitzner K 2009. Radiation surveys of the historic Palette and El Sherana mines, South Alligator River Valley, Australia. Internal Report 556, March, Supervising Scientist, Darwin. Unpublished paper.
- Brazier J & Humphrey C 2009. Ranger stream monitoring program: relocation of surface water chemistry grab monitoring sites in Magela Creek. Internal Report 563, June, Supervising Scientist, Darwin. Unpublished Paper.
- Esparon A 2008. Jabiru Field Station radiation dose and surface contamination survey. Internal Report 538, December, Supervising Scientist, Darwin. Unpublished paper.
- Hogan A, Houston M, Nou S, Harford A & van Dam 2008. Chronic toxicity of uranium to the tropical duckweed *Lemna aequinoctialis* and the gastropod *Amerianna cumingi*. Internal Report 549, November, Supervising Scientist, Darwin. Unpublished paper.
- Jones DR (ed) 2009. *eriss* communication and planning workshop – 08/09 workplan and proposed 09/10 directions. Internal Report 550, June, Supervising Scientist, Darwin. Unpublished paper.
- Office of the Supervising Scientist, Supervision & Assessment Unit 2009. Ranger mine Routine Periodic Inspections 2002–2004. Internal Report 551, June, Supervising Scientist, Darwin. Unpublished paper.
- Office of the Supervising Scientist, Supervision & Assessment Unit 2009. Ranger mine Routine Periodic Inspections 2006. Internal Report 553, June, Supervising Scientist, Darwin. Unpublished paper.
- Office of the Supervising Scientist, Supervision & Assessment Unit 2009. Ranger mine Routine Periodic Inspections 2005. Internal Report 552, June, Supervising Scientist, Darwin. Unpublished paper.
- Office of the Supervising Scientist, Supervision & Assessment Unit 2009. Ranger mine Routine Periodic Inspections 2007. Internal Report 554, June, Supervising Scientist, Darwin. Unpublished paper.
- Office of the Supervising Scientist, Supervision & Assessment Unit 2009. Ranger mine Routine Periodic Inspections 2008. Internal Report 555, June, Supervising Scientist, Darwin. Unpublished paper.
- Pfitzner K & Bollhöfer A 2008. Status of the vegetation plots for the spectral library project. Internal Report 546, December, Supervising Scientist, Darwin. Unpublished paper.

- Saynor MJ, Houghton R, Hancock G, Staben G, Smith B & Lee N 2009. Soil sample descriptions – Gulungul Creek, Ranger mine site and Nabarlek: Cyclone Monica fieldwork. Internal Report 558, Supervising Scientist, Darwin. Unpublished paper.
- Saynor MJ, Staben G, Hancock G, Fox G, Calvert G, Smith B, Moliere DR & Evans KG 2009. Impact of Cyclone Monica on catchments within the Alligator Rivers Region – Data. Internal Report 557, Supervising Scientist, Darwin. Unpublished paper.
- Supervising Scientist Division 2008. Consolidated list of publications, reports and conference presentations by staff of and consultants to the Supervising Scientist 1978–30 June 2008. Internal Report 547, August, Supervising Scientist, Darwin. Unpublished paper.
- Turner K, Jones D & Humphrey C 2009. Changes in water quality of Rockhole Mine Creek associated with historic mining activities. Internal report 560, June, Supervising Scientist, Darwin. Unpublished paper.

Consultancy reports

- Humphrey C, Buckle D & Camilleri C 2009. A macroinvertebrate survey of stream sites associated with Territory Resources' Frances Creek iron ore project, April 2008. Commercial-in-Confidence Report for Earth Water Life Sciences Pty Ltd, March 2009.
- Harford A, van Dam R & Hogan A 2009. Ecotoxicological Assessment of Seepage Water from the Savannah Nickel Mines. Commercial-in-Confidence Report for Panoramic Resources Ltd, April 2009.
- Humphrey C, van Dam R, Storey A, Chandler L, Hogan A & Buckle D 2008. Assessment of the effects of $MgSO_4$ -rich wastewater discharges from Argyle Diamond Mine on downstream aquatic ecosystems: Synthesis of a three year (2006-08) study. Commercial-in-Confidence Report for Argyle Diamonds Ltd, November 2008.
- Ryan B & Bradley F 2009. Preliminary report into the characterisation of groundwater at the Rum Jungle mine site. Report prepared for Department of Resources, Energy and Tourism, February 2009, Supervising Scientist Division, Darwin NT.
- van Dam R & Harford A 2009. Review of the revision of the nitrate water quality trigger value for fresh surface waters. Commercial-in-Confidence Report for Environment Canterbury, April 2009.