

APPENDIX 2 PUBLICATIONS FOR 2007–2008

Published¹¹

- Boyden J, Walden D, Bayliss P & Saalfeld K 2008. *A GIS compendium for landscape-scale risk assessment of the Magela Creek floodplain and broader Alligator Rivers Region, NT*. Supervising Scientist Report 192, Supervising Scientist, Darwin NT.
- Brennan K 2007. *A field key to the trees and shrubs in the Jabiru area*. Supervising Scientist Report 187, Supervising Scientist, Darwin NT.
- Cobb SM, Saynor MJ, Eliot M, Eliot I & Hall R 2007. *Saltwater intrusion and mangrove encroachment of coastal wetlands in the Alligator Rivers Region, Northern Territory, Australia*. Supervising Scientist Report 191, Supervising Scientist, Darwin NT.
- Frostick A, Bollhöfer A, Parry D, Munksgaard N & Evans K 2007. Radioactive and radiogenic isotopes in sediments from Cooper Creek, Western Arnhem Land. *Journal of Environmental Radioactivity* 99, 468–482.
- 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. Published online in Wiley InterScience (www.interscience.wiley.com) DOI: 10.1002/esp.1653
- Hancock GR, Loughran RJ, Evans KG & Balog RM 2008. Estimation of soil erosion using field and modelling approaches in an undisturbed Arnhem Land catchment, Northern Territory, Australia. *Geographical Research* 46(3), 333–349.
- Hogan A, van Dam R, Houston M & Lee N 2008. *Toxicity of Ranger mine RP2 and Pit 3 waters to native freshwater species: 2007 wet season*. Supervising Scientist Report 197, Supervising Scientist, Darwin NT.
- Humphrey C, Pidgeon B & Buckle D 2006. Monitoring of fish communities in deep channel billabongs associated with Ranger uranium mine, Northern Territory. In *A guide to monitoring fish stocks and aquatic ecosystems*. Australian Society for Fish Biology Workshop Proceedings, Darwin, Northern Territory, 11–15 July 2005, eds Phelan MJ & Bajhau H, Fisheries Incidental Publication 25, NT Department of Primary Industry, Fisheries and Mines, Darwin, 86–103.
- Jones D, Humphrey C, Iles M & van Dam R 2008. Deriving surface water quality closure criteria – An Australian uranium mine case study. In *Proceedings of Minewater and the Environment, 10th International Mine Water Association Congress*, eds N Rapantova & Z Hrkal, June 2–5, Karlovy Vary, Czech Republic, 209–212.

¹¹ Includes presentations to conferences and symposia that have been externally published in 2007–08.

- Jones DR, Humphrey C, van Dam R & Webb A (eds) 2008. *eriss research summary 2006–2007*. Supervising Scientist Report 196, Supervising Scientist, Darwin NT.
- Jones DR & Taylor J 2008. From concept to best practice: innovations in AMD prevention and management. In *Proceedings 6th Australian Workshop on Acid and Metalliferous Drainage*, 15–18 April 2008, Burnie, Tasmania, eds . LC Bell, BMD Barrie, B Braddock & RW McLean, ACMER, Brisbane, 299–320.
- Larson HK, Buckle D, Lynas J, Storey A & Humphrey C 2007. Additional records of freshwater fishes from Timor-Leste, with notes on the fish fauna of the unique landlocked Iraisiquero River system. *The Beagle, Records of the Museums and Art Galleries of the Northern Territory* 23, 131–135.
- Medley P, Ryan B, Martin P and Bollhöfer A 2007. Rapid determination of radionuclide activity concentrations in contaminated drinking water. *Radiation Protection in Australasia* 24 (2), 2–8.
- Moliere D, Evans KG & Turner K 2008. Effect of an extreme storm event on catchment hydrology and sediment transport in the Magela Creek catchment, Northern Territory. In: *Water Down Under 2008*, Proceedings of the 31st Hydrology and Water Resources Symposium and 4th International Conference on Water Resources, 15–17 April 2008, Adelaide, South Australia, Engineers Australia (CD).
- Page T, Short JW, Humphrey CL, Hillyer MJ & Hughes JM 2008. Molecular systematics of the Kakaducarididae (Crustacea: Decapoda: Caridea). *Molecular Phylogenetics and Evolution* 46, 1003–1014.
- Ryan B, Bollhöfer A & Martin P 2007. Radionuclides and metals in freshwater mussels of the upper South Alligator River, Australia. *Journal of Environmental Radioactivity* 99, 509–526.
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- Staben GW & Evans KG 2008. Estimates of tree canopy loss as a result of Cyclone Monica, in the Magela Creek catchment northern Australia. *Austral Ecology* 33, 562–569.
- Turner K, Moliere D, Humphrey C & Jones D 2008. Characterisation of solute transport in a seasonal stream using continuous in-situ water quality monitoring. In *Water Down Under 2008*, Proceedings of the 31st Hydrology and Water Resources Symposium and 4th International Conference on Water Resources, 15–17 April 2008, Adelaide, South Australia, Engineers Australia (CD).
- van Dam R, Hogan A, Harford A & Markich S 2008. Toxicity and metal speciation characterisation of waste water from an abandoned gold mine in tropical northern Australia. *Chemosphere* 73(3), 305–313.

Unpublished papers and reports

- ARRAC 2007. Alligator Rivers Region Advisory Committee 24th Meeting, 6 December 2005, Darwin, Meeting papers. Internal Report 511, December, Supervising Scientist, Darwin. Unpublished paper.
- ARRAC 2007. Alligator Rivers Region Advisory Committee 25th Meeting, 4 April 2006, Darwin, Meeting papers. Internal Report 516, December, Supervising Scientist, Darwin. Unpublished paper.
- ARRAC 2008. Alligator Rivers Region Advisory Committee 26th Meeting, 22 August 2006, Darwin, Meeting papers. Internal Report 524, March, Supervising Scientist, Darwin. Unpublished paper.
- Bollhöfer A, Dunn L, Ryan B & Sellwood J 2007. Radiological field investigations at the Rockhole Residue Site, South Alligator River Valley, Australia. Internal Report 529, September, Supervising Scientist, Darwin. Unpublished paper.
- Boyden JM, Petty A, Walden DJ & Bayliss P 2008. Procedures for production of spatial statistics using R statistical software in conjunction with a Microsoft® Access™ database as applied to multi-temporal fire-scar data for the Alligator Rivers Region. Internal Report 533, June, Supervising Scientist, Darwin. Unpublished Paper
- Cheng KL 2008. The development and application of a 28 day larval fish toxicity test. Research thesis, BSc (Hons), Charles Darwin University, Darwin NT, Internal Report 535, June, Supervising Scientist, Darwin. Unpublished paper.
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- Moliere DR, Evans KG & Saynor MJ 2007. Hydrology and suspended sediment transport in the Gulungul Creek catchment, Northern Territory: 2006–2007 wet season monitoring. Internal Report 531, June, Supervising Scientist, Darwin. Unpublished paper.
- Ryan B & Bollhöfer A 2007. A summary of radionuclide activity and dissolved metal concentrations in Nabarlek borewaters from 1996 to 2005. Internal Report 530, September, Supervising Scientist, Darwin. Unpublished paper.
- Saynor M 2008. Proposed monitoring program to assess bank erosion at Yellow Water, Kakadu National Park, Northern Territory. Internal Report 391, January, Supervising Scientist, Darwin. Unpublished paper.
- Staben G 2008. Mapping the spatial and temporal distribution of *Melaleuca* spp on the Magela floodplain between 1950 and 2004 using object-based analysis and GIS. Research thesis, BSc (Hons), Charles Darwin University, Darwin NT, Internal Report 545, June, Supervising Scientist, Darwin. Unpublished paper.

- Supervising Scientist Division 2007. Consolidated list of publications, reports and conference presentations by staff of and consultants to the Supervising Scientist 1978–30 June 2007. Internal Report 528, October, Supervising Scientist, Darwin. Unpublished paper.
- Walden D & Nou S (eds) 2008. Kakadu National Park Landscape Symposia Series 2007–2008. Symposium 1: Landscape Change Overview 17–18 April 2007, South Alligator Inn, Kakadu National Park. Internal Report 532, March, Supervising Scientist, Darwin. Unpublished paper.

Consultancy reports

- Environmental Research Institute of the Supervising Scientist 2008. Understanding resources and risks in northern Australia: Establishment of a GIS and online mapping tool. Unpublished report to the Northern Australia Land and Water Taskforce by the Environmental Research Institute of the Supervising Scientist, January 2008.
- Harford A & van Dam R 2007. Modification of toxicity testing protocols using a coral larva and the diatom *Nitzschia closterium* to assess marine contaminant issues from Alcan Gove operations – Interim Report, December 2007. Confidential Report to Alcan Gove Pty Ltd, MHMP Project No. 34.
- Harford A, Hogan A & van Dam R 2008. Ecotoxicological testing of receiving waters downstream from Newmont Woodcutter’s mine site. Final Report, June 2008. Confidential Report to Earth Water Life Sciences Pty Ltd.
- Harford A, van Dam R, Hogan A, Tsang J, Parry D, Adams M, Stauber J, & Negri, A 2008. Modification of toxicity testing protocols using the diatom *Nitzschia closterium* and coral *Acropora tenuis* to assess the effects of waste water discharges from Rio Tinto Gove operations – Final Report, April 2008. Confidential Report to Rio Tinto Alcan Gove Pty Ltd, MHMP Project No. 34.
- Hogan A, van Dam R & Houston M 2007. Modification of toxicity testing protocols using a coral larva and the diatom *Nitzschia closterium* to assess marine contaminant issues from Alcan Gove operations – Progress report. Confidential Report to Alcan Gove Pty Ltd, MHMP Project No. 34, June 2007.
- Humphrey C, Storey A, Buckle D, Chandler L, Hanley J, Creagh S & Camilleri C 2007. An assessment of the effects of seepage arising from the Argyle Diamond Mine upon stream biota sampled in 2006 and 2007: Summary results. Unpublished report to Argyle Diamonds P/L, Contract No. CA1507 by the Environmental Research Institute of the Supervising Scientist, Darwin NT.
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- van Dam R, Hogan A & Houston M 2007. Environmental effects of magnesium sulfate-rich seepage waters from Argyle Diamond Mine, Report No. 3: Stage 2 laboratory-based ecotoxicological assessment (full dilution series, risk-based testing). Commercial-in-Confidence report to Argyle Diamonds Pty Ltd, Contract No. CA1507.