

Appendix 1 SSD publications and presentations for 2007–08

Journal papers (in press or published)

- Bollhöfer A, Pfitzner K, Ryan B, Martin P, Fawcett M & Jones DR 2008. Airborne gamma survey of the historic Slesbeck mine area in the Northern Territory, Australia, and its use for site rehabilitation planning. *Journal of Environmental Radioactivity* 99, 1770–1774.
- Frostick A, Bollhöfer A, Parry D, Munksgaard N & Evans K 2008. Radioactive and radiogenic isotopes in sediments from Cooper Creek, Western Arnhem Land. *Journal of Environmental Radioactivity* 99, 468–482.
- 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.
- 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). Published online in Wiley InterScience (www.interscience.wiley.com) DOI: 10.1002/esp.1653
- 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* (in press).
- 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 Irasiquero River system. *The Beagle, Records of the Museums and Art Galleries of the Northern Territory* 23, 131–135.
- 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.
- Medley P, Ryan B, Martin P & Bollhöfer A 2007. Rapid determination of radionuclide activity concentrations in contaminated drinking water. *Radiation Protection in Australasia* 24(2), 2–8.
- 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 2008. Radionuclides and metals in freshwater mussels of the upper South Alligator River, Australia. *Journal of Environmental Radioactivity* 99, 509–526.
- 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.
- 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.

van Dam RA, Harford AJ, Houston MA, Hogan AC & Negri AP 2008. Tropical marine toxicity testing in Australia: A review and recommendations. *Australasian Journal of Ecotoxicology*. (in press)

Conference papers – published

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 2007. Considerations in the design of a remote sensing framework for monitoring tropical coastal wetlands. In *Proceedings of the 28th Asian Remote Sensing Conference*, 12–16 November 2007, Putra World Trade Centre, Kuala Lumpur, Malaysia. Published online: Section TS13: Coastal Zone/Oceanography(2): <http://www.aars-acrs.org/acrs/proceedings2007.php>

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

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

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

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.

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.

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.

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. Paper presented at 14ARSPC: Proceedings of the 14th Australasian Remote Sensing and Photogrammetry Conference, Darwin NT, 30 September – 2 October 2008. USB2.0

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).

Pfifzner 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

Ryan B, Ferrari Dias F, Richards A, Jakubick AT, Martin P, Monken Fernandes H, Sansone U, Waggitt P & Zeiller E 2008. Communication strategies in uranium mining. International Atomic Energy Agency Report of a Consultants' Meeting held at the IAEA's Laboratories, Seibersdorf, Austria, 15–19 October 2007, IAEA/AL/185.

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).

Presentations¹

Bartolo R 2008. Spatial information and climate change in a North Australia context. Paper presented at the Asia Pacific Spatial Innovation Conference, 18–19 November 2008, Canberra.

Bayliss P & Jones DR 2007. The ecological risks of flow extraction from the Daly River. Potential impacts on two NT icons, barramundi and magpie geese. Paper presented at Groundwater Conference, Museum & Art Gallery of the Northern Territory, 15 August 2007.

¹ Presentations to conferences and symposia that have been externally published in 2007–2008 are included in section 'Conference papers – published'.

- Bayliss P, Bartolo R & Wasson RJ 2007. Decadal trends in rainfall, stream flow and aquatic ecosystems in the wet-dry tropics of the Northern Territory: Influence of the ENSO-IPO interaction. Poster abstract for Greenhouse2007 conference, Sydney, 2–5 October 2007.
- Bollhöfer A, Brazier J, Ryan B & Humphrey C 2008. A study of radium bioaccumulation in freshwater mussels, *Velesunio angasi*, in the Magela Creek catchment, Northern Territory, Australia. Paper presented at the 10th South Pacific Environmental Radioactivity Conference, SPERA 2008, 24–27 November 2008, Christchurch, New Zealand.
- Bollhöfer A, Ryan B, Pfitzner K & Jones DR 2007. Radiological protection of the public in the vicinity of Ranger uranium mine, Australia. Paper presented at Australasian Radiation Protection Society 2007 conference. Brisbane, 21–24 October 2007.
- Boyden J, Walden D & Bayliss P 2007. Monitoring aquatic weeds and native habitat condition on seasonal wetlands, Kakadu National Park: Potential applications of remote sensing for landscape management. Paper presented at Kakadu Landscape Management Symposia Series: Kakadu Weed Management Workshop. 26–28 November 2007, Jabiru.
- Boyden J, Walden D, Bartolo R & Bayliss P 2007. Utility of VHR remote sensing data for landscape scale assessment of the environmental weed Para grass [*Urochloa mutica*, (FORSSK), Nguyen] on a tropical floodplain. 28th Asian conference on remote sensing. Kuala Lumpur, 12–16 November 2007.
- Brazier J, Ryan B, Humphrey C & Bollhöfer A 2008. Uranium bioaccumulation and lead isotope ratios in freshwater mussels downstream of Ranger uranium mine, Australia. Paper presented at 5th SETAC World Congress, 3–7 August 2008, Sydney Convention and Exhibition Centre, Sydney. Society of Environmental Toxicology and Chemistry.
- Calvert G, Little D, Saynor M, Hancock G, Evans K & Fox G 2007. Impacts of Cyclone Monica on an Australian tropical savanna – A summary of research conducted by the Supervising Scientist Division. Paper presented at Cyclone Science Seminar, James Cook University Cairns Campus, 27–28 September 2007.
- Cheng K, Parry D, Hogan A & van Dam R 2008. Chronic toxicity of uranium to the tropical freshwater fish, *Mogurnda mogurnda*. Paper presented at 5th SETAC World Congress, 3–7 August 2008, Sydney Convention and Exhibition Centre, Sydney. Society of Environmental Toxicology and Chemistry.
- Esparon A & Pfitzner J 2008. Visual gamma – gamma spectrometry analysis software. Paper presented at the 10th South Pacific Environmental Radioactivity Conference, SPERA 2008, 24–27 November 2008, Christchurch, New Zealand.
- Esparon A, Pfitzner K, Bollhöfer A & Ryan B 2008. Determination of an analogue site for Ranger uranium mine to extrapolate pre-mining gamma dose rates. Paper presented at the 10th South Pacific Environmental Radioactivity Conference, SPERA 2008, 24–27 November 2008, Christchurch, New Zealand.
- Frostick A, Bollhöfer A & Parry D 2008. Investigating potential natural radiological analogues for Ranger uranium mine. Paper presented at the 10th South Pacific Environmental Radioactivity Conference, SPERA 2008, 24–27 November 2008, Christchurch, New Zealand.
- Frostick A, Bollhöfer A, Parry D, Munksgaard N & Evans K 2008. Spatiotemporal assessment of sediments from Magela Creek, Northern Australia to evaluate the impacts of uranium mining. Paper presented at the 10th South Pacific Environmental Radioactivity Conference, SPERA 2008, 24–27 November 2008, Christchurch, New Zealand.

- 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 2008. Sources of variation in environmental hazard assessment of chemicals in aquatic systems: an international analysis. Paper presented at 5th SETAC World Congress, 3–7 August 2008, Sydney Convention and Exhibition Centre, Sydney. Society of Environmental Toxicology and Chemistry.
- Harford AJ, Cheng KL, Costello CE, Hogan AC and van Dam RA 2008. Ecotoxicological assessment of flocculant blocks and their individual constituents. Paper presented at 5th SETAC World Congress, 3–7 August 2008, Sydney Convention and Exhibition Centre, Sydney. Society of Environmental Toxicology and Chemistry.
- 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.
- Houston M, Ng J, Noller B, Markich SJ & van Dam R. 2008a. The influence of dissolved organic carbon (DOC) on the speciation & toxicity of uranium to Australian tropical freshwater species. Paper presented at 5th SETAC World Congress, 3–7 August 2008, Sydney Convention and Exhibition Centre, Sydney. Society of Environmental Toxicology and Chemistry.
- Hughes A 2008. Regulation of uranium mining in the Northern Territory, Australia. Presentation to an International Atomic Energy Agency technical meeting on Implementation of sustainable global best practices in uranium mining and processing, 15–17 October 2008, Vienna, Austria.
- Hughes A 2008. Chemistry, snails and crocodile tales: Environmental monitoring in the Alligator Rivers Region – new directions. Paper presented at Department of the Environment, Water, Heritage and the Arts Insights seminar, 1 August 2008, Canberra.
- Humphrey C & Buckle D 2007. Design & analysis outside of AUSRIVAS. Presentation to the Northern Territory Training Course for AUSRIVAS Macroinvertebrate sampling organised by the NT Department of Natural Resources, Environment and the Arts (NRETA) Aquatic Health Unit, Darwin, 28–29 August 2007.
- Humphrey C & McGuinness K 2008. Experimental design considerations for monitoring and assessment of mining impacts in tropical seasonally-flowing streams. Paper presented at 5th SETAC World Congress, 3–7 August 2008, Sydney Convention and Exhibition Centre, Sydney. Society of Environmental Toxicology and Chemistry.
- Humphrey C, Jones D, Hanley J, Camilleri C & Chandler L 2007. Developing water quality closure criteria for natural waterbodies adjacent to the Ranger Uranium Mine (NT, Australia) using macroinvertebrate community data. Conference presentation, Annual Conference of the NZ Freshwater Sciences Society and the Australian Society for Limnology, Queenstown, New Zealand, 1–6 December 2007.
- Jones D 2008. Effects of extreme events in the Kakadu region. Paper presented at Kakadu Landscape Management Symposia Series: Climate Change Workshop. 6–7 August 2008, Jabiru.

- Jones DR 2008. Supervision of uranium mining in the Alligator Rivers Region. CLC Uranium Road Show – Ranger visit. November 2007, Jabiru Field Station, NT.
- Lawrence C, Akber R, Bollhöfer A & Martin P 2007. Pb-210 excess in natural and disturbed soils around a uranium mine. Paper presented at Australasian Radiation Protection Society 2007 Conference. Brisbane, 21–24 October 2007.
- Lowry J, Moliere D & Saynor M 2007. Classifying the geomorphic and hydrological characteristics of rivers in northern Australia through the integration and analysis of spatial data. Paper presented at the Spatial Information for Water Resource Management Workshop, University of Queensland, Brisbane, 13 July 2007.
- McCullough CD, Hogan AC, Humphrey CL, van Dam RA & Douglas MM 2007. Failure of *Hydra* populations to develop tolerance, indicates absence of toxicity from a whole-effluent. Paper presented at 30th Congress of the International Association of Theoretical and Applied Limnology, Montreal, Canada, 12–18 August 2007.
- Medley P, Bollhöfer A, Ryan B & Sellwood J 2008. Derivation of regional concentration factors for radium in bush passionfruit (*Passiflora foetida*) from the Alligator Rivers Region, Northern Territory, Australia. Paper presented at the 10th South Pacific Environmental Radioactivity Conference, SPERA 2008, 24–27 November 2008, Christchurch, New Zealand.
- Moliere D, Evans K & Turner K 2008. Effect of an extreme storm event on catchment hydrology and sediment transport in the Magela Creek catchment, Northern Territory. Paper presented at Water Down Under, Hydrology and Water Resources Symposium, Adelaide, April 2008, Engineers Australia.
- Moliere D & Turner K 2007. Monitoring water quality in streams surrounding Ranger Mine, Kakadu National Park. Paper presented at Kisters Hydstra User Group Meeting, Canberra, 13–14 August 2007.
- Ryan B, Bollhöfer A & Martin P 2008. A radiation dose assessment for Aboriginal inhabitants downstream of Ranger Uranium Mine in the Northern Territory of Australia. Paper presented at the 10th South Pacific Environmental Radioactivity Conference, SPERA 2008, 24–27 November 2008, Christchurch, New Zealand.
- Saynor MJ, Staben GW, Moliere DR, Lowry J & Evans KG 2008. Effect of an extreme storm event on catchment hydrology and sediment transport in the Alligator Rivers Region, Northern Territory. Paper presented at 13th meeting Australia and New Zealand Geomorphology Group Conference, Queenstown Tasmania, 11–15 February 2008.
- Staben GW, Saynor MJ, Hancock GR, Fox G, Lowry JBC, Calvert G, Moliere DR & Evans KG 2007. Assessment of the impact of Cyclone Monica on the Alligator Rivers Region – Northern Territory. Paper presented at ESA (Ecological Society of Australia) 2007 Conference, Perth, 25–30 November 2007.
- Turner K, Humphrey C, Brazier J, Jones D 2008. Sediment influences on the derivation of mine closure water quality criteria in a tropical waterbody. Paper presented at 5th SETAC World Congress, 3–7 August 2008, Sydney Convention and Exhibition Centre, Sydney. Society of Environmental Toxicology and Chemistry.
- van Dam R, Hogan A, Harford A & Markich S 2008. Toxicity, metal speciation and risk characterisation of waste-water from a legacy gold mine in northern Australia. Paper presented at 5th SETAC World Congress, 3–7 August 2008, Sydney Convention and Exhibition Centre, Sydney. Society of Environmental Toxicology and Chemistry.

- van Dam R, Humphrey C, Storey A, Samaraweera S, Hogan A, Buckle D & Chandler L 2008. Assessment of the effects of MgSO₄-rich wastewater discharges from Argyle Diamond Mine on downstream aquatic ecosystems. Paper presented at 5th SETAC World Congress, 3–7 August 2008, Sydney Convention and Exhibition Centre, Sydney. Society of Environmental Toxicology and Chemistry.
- van Dam R, Negri A, Harford A, Hogan A, Adams M, Stauber J, Parry D & Orr J 2008. Using the tropical species *Nitzschia closterium* & *Acropora tenuis* to assess site-specific issues of a tropical marine discharge. Paper presented at 5th SETAC World Congress, 3–7 August 2008, Sydney Convention and Exhibition Centre, Sydney. Society of Environmental Toxicology and Chemistry.
- Walden D, Bayliss P & Boyden J 2007. Data requirements for weed management. Paper presented at Kakadu Landscape Management Symposia Series: Kakadu Weed Management Workshop, 26–28 November 2007, Jabiru.

Supervising Scientist Reports

- 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.
- 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.
- 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.
- Jones DR, Humphrey C, van Dam R & Webb A (eds) 2008. *eriss research summary 2006–2007*. Supervising Scientist Report 196, Supervising Scientist, Darwin NT.

Internal 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.
- ARRAC 2009. Alligator Rivers Region Advisory Committee 29th Meeting, April 2008, Darwin, Meeting papers. Internal Report 542, Supervising Scientist, Darwin. Unpublished paper. (in press)

- 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.
- Bollhöfer A & Ryan B 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.
- 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.
- Esparon A 2008. Jabiru Field Station radiation dose and surface contamination survey. Internal Report 538, December, Supervising Scientist, Darwin. Unpublished paper.
- Harford A, van Dam R, Hogan A & Costello C 2008. Screening level toxicity assessment of treated Pond Water from a pilot plant at Ranger mine. Internal Report 534, January, 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) 2008. *eriss* communication and planning workshop – 06/07 workplan and proposed 07/08 directions. Internal Report 536, March, Supervising Scientist, Darwin. Unpublished paper.
- Pfytzner K & Bollhöfer A 2008. Status of the vegetation plots for the spectral library project. Internal Report 546, December, 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.
- 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.
- Walden D & Nou S (eds) 2008. Kakadu National Park Landscape Symposia Series 2007–2009. Symposium 1: Landscape Change Overview, 17–18 April 2007, South Alligator Inn, Kakadu National Park. Internal Report 532, April, 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. Commercial-in-confidence report to Alcan Gove Pty Ltd.
- Harford A, Hogan A & van Dam R 2008. Ecotoxicological testing of receiving waters downstream from Newmont Woodcutter's mine site. Final Report, June 2008. Commercial-in-confidence 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. Commercial-in-confidence report to Rio Tinto Alcan Gove Pty Ltd.
- 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 to Earth Water Life Sciences.
- Humphrey C & van Dam R 2007. Environmental effects of magnesium sulfate-rich seepage waters from Argyle Diamond Mine, Report No. 6, Synthesis and Recommendations. Commercial-in-confidence report to Argyle Diamonds Pty Ltd.
- Humphrey C, Fox G, Chandler L, Brazier J, Camilleri C & Hanley J 2008. An assessment of the effects of mine waste waters arising from the Redbank copper mine on downstream macroinvertebrate community March 2008. Commercial-in-confidence report to Redbank Mines Ltd.
- 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. Commercial-in-confidence report to Argyle Diamonds Pty Ltd.
- Humphrey C, van Dam R, Storey A, Chandler L, Hogan A & Buckle D 2008. Assessment of the effects of MgSO₄-rich wastewater discharges from Argyle Diamond Mine on downstream aquatic ecosystems: Synthesis of a three-year (2006–08) study. Commercial-in-confidence report to Argyle Diamonds Pty Ltd.
- 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.

Other

- 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.

Brazier J & Iles M 2008. Low environmental impact uranium mining and remediation: 25 years of multinational experience through UMREG. IAEA- TECDOC-Number to be assigned, IAEA, Vienna, submitted.

Ryan B, Ferrari Dias F, Richards A, Jakubick AT, Martin P, Monken Fernandes H, Sansone U, Waggitt P & Zeiller E 2008. *Communication strategies in uranium mining*. International Atomic Energy Agency Report of a Consultants' Meeting held at the IAEA's Laboratories, Seibersdorf, Austria, 15–19 October 2007, IAEA/AL/185.

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