

## APPENDIX 2 PUBLICATIONS FOR 2005–2006

---

### Published<sup>5</sup>

- Bollhöfer A, Honeybun R, Rosman KJR & Martin P 2006. The lead isotopic composition of dust in the vicinity of a uranium mine in northern Australia and its use for radiation dose assessment. *Science of the Total Environment* 366, 579–589.
- Bollhöfer A, Rosman KJR, Dick AL, Chisholm W, Burton GR, Loss RD & Zahorowski W 2005. The concentration, isotopic composition and sources of lead in Southern Ocean air during 1999/2000, measured at the Cape Grim Baseline Air Pollution Station, Tasmania. *Geochimica Cosmochimica Acta* 69 (20), 4747–4757.
- Bollhöfer A, Storm J, Martin P & Tims S 2006. Geographic variability in radon exhalation at a rehabilitated uranium mine in the Northern Territory, Australia. *Environmental Monitoring and Assessment* 114, 313–330.
- Evans KG, Rovis-Hermann J, Webb A & Jones DR (eds) 2006. *eriss research summary 2004–2005*. Supervising Scientist Report 189, Supervising Scientist, Darwin NT.
- Finlayson CM 2005. Plant ecology of Australia's tropical floodplain wetlands: A review. *Annals of Botany* 96, 541–555.
- Hancock GR & Evans KG 2006. Channel head location and characteristics using digital elevation models. *Earth Surface Processes and Landforms* 30, 809–826.
- Hancock GR, Grabham MK, Martin P, Evans KG & Bollhöfer A 2006. A methodology for the assessment of rehabilitation success of post mining landscapes – sediment and radionuclide transport at the former Nabarlek uranium mine, Northern Territory, Australia. *Science of the Total Environment* 354, 103–119.
- Hogan AC, van Dam RA, Markich SJ & Camilleri C 2005. Chronic toxicity of uranium to a tropical green alga (*Chlorella* sp.) in natural waters and the influence of dissolved organic carbon. *Aquatic Toxicology* 75, 343–353.
- Hollingsworth I & Lowry J 2005. Landscape reconstruction at Ranger mine. In *Proceedings of the North Australian Remote Sensing and GIS Conference*, Darwin, 4–7 July 2005, Applications in Tropical Spatial Science (CD-ROM).
- Iles M 2005. Application of national water quality guidelines in mine regulation at Ranger mine, Australia. In *Proceedings of the 9<sup>th</sup> International Mine Water Association Congress*, eds Loredó J & Pendás F, 5–7 September 2005, Oviedo, Spain, Departamento de Explotación y Prospección de Minas, University of Oviedo, 533–541.
- Larson HK & Buckle D 2005. A new species of the circumtropical goby genus *Gnatholepis* Bleeker (Teleostei: Gobiidae: Gobionellinae) from northern Australia. *The Beagle, Records of the Museums and Art Galleries of the Northern Territory* 21, 67–72.

---

<sup>5</sup> Includes presentations to conferences and symposia that have been externally published in 2005–06.

- Lowry J 2006. *Low-cost GIS software and data for wetland inventory, assessment and monitoring*. Ramsar Technical Report 2, Ramsar Convention Secretariat, Gland, Switzerland.
- Lowry J & Alewijnse M 2005. Integration of data for the inventory and assessment of Australia's northern rivers. In *Proceedings of the North Australian Remote Sensing and GIS Conference*, Darwin, 4–7 July 2005, Applications in Tropical Spatial Science (CD-ROM).
- Lowry J, Bartolo R & Alewijnse M 2005. Integration of data for the inventory and assessment of Australia's northern rivers. In *Proceedings of SSC2005 Spatial Intelligence Innovation and Praxis: The national biennial Conference of the Spatial Sciences Institute*, September, 2005. Melbourne: Spatial Sciences Institute. ISBN 0-9581366-2-9
- Lucas RM, Mitchell AL, Pfitzner K & Finlayson M 2005. Integration of a stereo aerial photography and compact airborne spectrographic Imager (CASI) data for quantifying th structure, species and community composition and detecting changes in the extent of mangroves in tropical northern Australia In *Proceedings of the North Australian Remote Sensing and GIS Conference*, Darwin, 4–7 July 2005, Applications in Tropical Spatial Science (CD-ROM).
- Martin P, Tims S, McGill A, Ryan B & Pfitzner K 2006. Use of airborne  $\gamma$ -ray spectrometry for environmental assessment of the rehabilitated Nabarlek uranium mine, northern Australia. *Environmental Monitoring and Assessment* 115, 531–553.
- Martinez C, Hancock GR, Evans KG & Moliere DR 2005. A catchment based assessment of the 3-Arc second SRTM digital elevation data set. In *MODSIM 2005 International Congress on Modelling and Simulation*, eds Zerger A & Argent RM, Modelling and Simulation Society of Australia and New Zealand, December 2005, 1409–1415.
- Mitchell AL, Lucas RM, Donnelly B, Pfitzner K, Milne AK & Finlayson M. 2005. A new map of mangroves for Kakadu National park, Northern Austrlia, based on stereo aerial photography. In *Proceedings of the North Australian Remote Sensing and GIS Conference*, Darwin, 4–7 July 2005, Applications in Tropical Spatial Science (CD-ROM).
- Moliere D, Boggs G & Lowry J 2005. Spatial analysis of stream runoff response in the tropical rivers region. In *Proceedings of the North Australian Remote Sensing and GIS Conference*, Darwin, 4–7 July 2005, Applications in Tropical Spatial Science (CD-ROM).
- Moliere DR, Saynor MJ & Evans KG 2005. Suspended sediment concentration-turbidity relationships for Ngarradj – a seasonal stream in the wet-dry tropics. *Australian Journal of Water Resources* 9(1), 37–48.
- Pfitzner K 2005. Field-based spectroscopy – do we need it? In *Proceedings of the North Australian Remote Sensing and GIS Conference*, Darwin, 4–7 July 2005, Applications in Tropical Spatial Science (CD-ROM).
- Pfitzner K 2005. Mining and exploration: Radiation assessment, *Position* June/July 2005, 54–47.

- Pfitzer K 2005. Remote sensing for minesite assessment – examples from *eriss*. In *Proceedings of the North Australian Remote Sensing and GIS Conference*, Darwin, 4–7 July 2005, Applications in Tropical Spatial Science (CD-ROM).
- Pfitzer KS, Bartolo RE, Ryan B & Bollhoefer A 2005. Issues to consider when designing a spectral library database. In *Proceedings of SSC2005 Spatial Intelligence Innovation and Praxis: The national biennial Conference of the Spatial Sciences Institute*, September 2005, Melbourne, Spatial Sciences Institute, 416–425.
- Pfitzer K, Martin P, Bollhoefer A & Ryan B 2005. Mapping uranium mining and milling residues using high spatial resolution airborne gamma ray data. In *International Symposium on uranium production and raw materials for the nuclear fuel cycle – supply and demand, economic, the environment and energy security. Extended Synopses*, IAEA Symposium, Vienna 20–24 June 2005, IAEA, IAEA-CN128, Vienna, 175–176.
- Rosenqvist A, Lucas R, Lowry J, Hess L, Paillou P & Chapman B (eds) 2005. *The ALOS Kyoto & Carbon Initiative, Science Plan. version, 2.0*. JAXA EORC (February, 2006). [www.eorc.jaxa.jp/ALOS/kyoto/KC-Science-Plan\\_v2.pdf](http://www.eorc.jaxa.jp/ALOS/kyoto/KC-Science-Plan_v2.pdf)
- Saynor MJ & WD Erskine 2006. Spatial and temporal variations in bank erosion on sand-bed streams in the seasonally wet tropics of northern Australia. *Earth Surface Processes and Landforms Journal* 31, 1080–1099.
- Saynor MJ, Erskine WD & Evans KG 2006. *Bed-material grain size changes in the Ngarradj Creek catchment between 1998 and 2003*. Supervising Scientist Report 188, Supervising Scientist, Darwin NT.
- Winn KO, Saynor MJ, Eliot MJ & Eliot IG 2006. Saltwater intrusion and morphological change at the mouth of the East Alligator River, Northern Territory. *Journal of Coastal Research* 22 (1), 137–149.

## Unpublished papers and reports

- Bayliss P & Gardener M (eds) 2006. Proceedings of the Ecosystem Establishment Workshop for Rehabilitation of the Ranger Minesite (Darwin, 13–14 December 2005). Workshop facilitator: Carl Grant. Internal Report 513, March, Supervising Scientist, Darwin. Unpublished paper.
- Brennan K 2005. Quantitative descriptions of native plant communities with potential for use in revegetation at Ranger uranium mine. Internal Report 502, August, Supervising Scientist, Darwin. Unpublished paper.
- Humphrey CH & van Dam RA 2005. Environmental effects of magnesium sulfate-rich seepage waters from Argyle Diamond Mine, Report No. 1: Water quality and phytoplankton communities observed from waterbodies on and near the Argyle Diamond Mine lease, March 2005. Commercial-in-Confidence report to Argyle Diamonds Pty Ltd (Contract No. CA1507).

- Jones DR (ed) 2005. *eriss* communication and planning workshop – 05/06 workplan and proposed 06/07 directions. Internal Report 507, December, Supervising Scientist, Darwin. Unpublished paper.
- Jones DR (ed) 2005. Summary of presentations and key issues raised at the Bioaccumulation and Bushtucker Workshop, 14 October 2005. Internal Report 508, December, Supervising Scientist, Darwin. Unpublished paper.
- Moliere DR (compiler) 2006. Energy Resources of Australia Ranger Mine final landform design: Stakeholder workshop, 2 December 2005. Internal Report 515, May, Supervising Scientist, Darwin. Unpublished paper.
- Moliere DR, Saynor MJ, Evans KG & Smith BL 2005. Hydrology and suspended sediment of the Gulungul Creek catchment, Northern Territory: 2003–2004 and 2004–2005 Wet season monitoring. Internal Report 510, November, Supervising Scientist, Darwin. Unpublished paper.
- Moliere DR, Saynor MJ, Evans KG & Smith BL 2005. Hydrology and suspended sediment of the Ngarradj catchment, Northern Territory: 2004–2005 wet season monitoring. Internal Report 504, August, Supervising Scientist, Darwin. Unpublished paper.
- Pfitzner K, Bollhöfer A & Ryan B 2005. NT radiation watchdogs keep wary eye. *NT News* 16 July.
- Saynor MJ & Fox G 2005. Erosion survey of RAB lines in Arrarra Tenement, Western Arnhem Land. Internal Report 503, July, Supervising Scientist, Darwin. Unpublished paper.
- Saynor MJ, Moliere DR & Evans KG 2006. Rehabilitation at Nabarlek: Erosion assessment 2005. Internal Report 512, February, Supervising Scientist, Darwin. Unpublished paper.
- Saynor MJ & Smith BL 2005. Cross section, scour chain and particle size data in the Ngarradj catchment for 2004. Internal Report 506, September, Supervising Scientist, Darwin. Unpublished paper.
- Saynor MJ & Smith BL 2006. Cross section, scour chain and particle size data for Gulungul and Ngarradj Creeks 2005. Internal Report 514, February, Supervising Scientist, Darwin. Unpublished paper.
- Saynor MJ, Smith BL & Erskine WD 2005. Wet season bed-material particle size distribution and statistics for Swift Creek (Ngarradj) catchment between 1998 and 2002. Internal Report 509, September, Supervising Scientist, Darwin. Unpublished paper.
- Supervising Scientist Division 2005. Consolidated list of publications, reports and conference presentations by staff of and consultants to the Supervising Scientist 1978–30 June 2005. Internal Report 505, October, Supervising Scientist, Darwin. Unpublished paper.
- van Dam R 2006. International ring test on ecological hazard assessment methodologies: Evaluation by Rick van Dam. Report to the Pilot Committee for the International Ring Test on Ecological Hazard Assessment Methodologies.

- van Dam R, Bartolo R & Bayliss P 2006. Ecological risk assessments of key threats to Australia's tropical rivers: Overview, proposed framework and methodologies for the Tropical Rivers Inventory and Assessment Project. Internal Report 517, June, Supervising Scientist, Darwin. Unpublished paper.
- van Dam R, Hogan A, Houston M, Humphrey C & Samaraweera S 2005. Environmental effects of magnesium sulfate-rich seepage waters from Argyle Diamond Mine, Report No. 2: Stage 1 laboratory-based ecotoxicological assessment (screening of whole waters from selected sites). Commercial-in-Confidence report to Argyle Diamonds Pty Ltd (Contract No. CA1507).
- van Dam R, Hogan A & Samaraweera S 2006. Stage 2 laboratory-based ecotoxicological assessment (full dilution series, risk-based testing) – Summary Report. Commercial-in-Confidence report to Argyle Diamonds Pty Ltd (Contract No. CA1507).
- van Dam R, Storey A, Humphrey C, Pidgeon R, Luxon R & Hanley J 2005. Bulgarene borefield (De Grey River) Port Hedland water supply aquatic ecosystems study. Report completed under contract to the Water Corporation (Contract No. CN-04-11838).