



**Consolidated list of
publications, reports
and conference
presentations by staff
of and consultants to
the Supervising
Scientist**

G Barrowcliff

July 1998



supervising scientist

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conference presentations by staff of and
consultants to the Supervising Scientist**

1978-June 1998

Gail Barrowcliff

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Published papers and reports

- Akber RA (ed) 1992. *Proceedings of the Workshop on Land application of effluent water from uranium mines in the Alligator Rivers Region*. Jabiru 11–13 September 1990, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Akber RA 1993. Land application of effluent water from uranium mines in the Alligator Rivers Region. Australian Radiation Protection Society 18th Annual Conference (ARPS18) 6–8 October 1993. *Radiation Protection in Australia*. The Bulletin of the Australian Radiation Protection Society. (Oral presentation)
- Akber RA 1993. Suspension of dust in the vicinity of Ranger uranium mine: An estimate for the land application. In *Proceedings of the Workshop on Land application of effluent water from uranium mines in the Alligator Rivers Region*. Jabiru 11–13 September 1991. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra 267–288.
- Akber RA & Carter MW 1992. Implications of the new ICRP recommendations on worker and public dose estimates due to operation of Ranger uranium mine. Paper presented to the 17th Annual Conference of the Australian Radiation Protection Society, Darwin 21–23 September 1992.
- Akber RA & Harris F (eds) 1995. *Radon and radon progeny measurements in Australia*. Symposium, Canberra 18 February 1994, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Akber RA, Johnston A & Hancock G 1992. Absorption of radionuclides and other solutes in a natural wetland system. *Radiation Protection Dosimetry* 45, 293–297.
- Akber RA, Johnston A & Pfitzner J 1992. Public radiation exposure due to radon transport from a uranium mine. *Radiation Protection Dosimetry* 45, 137–140.
- Akber RA & Marten R 1993. Fate of radionuclides applied to soil in Ranger uranium mine land application area. In *Proceedings of the Workshop on Land application of effluent water from uranium mines in the Alligator Rivers Region*. Jabiru 11–13 September 1991. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra, 139–165.
- Akber RA & Marten R 1993. Radiological impact of radionuclide uptake by plants in the land application area. In *Proceedings of the Workshop on Land application of effluent water from uranium mines in the Alligator Rivers Region*. Jabiru 11–13 September 1991. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra, 241–251.
- Akber RA, Marten R, Pfitzner J, Waggitt P & Carter M 1992. Radiation surveys before and after the hazard reduction activities at some abandoned uranium mining and milling sites in the upper South Alligator River valley. *Australian Radiological Protection Society Symposium*, Darwin 21–25 September.
- Akber RA & Martin P (eds) 1994. *Techniques for the analysis of radionuclides in the environment and their application*: Part 1 Technical memorandum 47, Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra.
- Akber RA & Martin P (eds) 1998. Radiological aspects of the rehabilitation of contaminated sites, Darwin/Jabiru 20–22 June 1996. South Pacific Environmental Radioactivity Association.
- Akber RA & Martin P (eds) 1998. SPERA96: Radioactivity in the environment, Darwin 17–19 June 1996. South Pacific Environmental Radioactivity Association.

- Akber RA & Pfitzner JL 1992. Attached and unattached radon daughters in Jabiru East. Paper presented to the International Workshop on the *Health effects of induced radionuclides: Implications for radiation protection in mining*, Jabiru, 25 September 1992.
- Akber RA & Pfitzner JL 1994. *Atmospheric concentrations of radon and radon daughters in Jabiru East*. Technical memorandum 45, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Akber RA, Pfitzner J & Johnston A 1992. Radon transport from Ranger uranium mine: A review of the public radiation dose estimates. *Radiation Protection in Australia* 10, 41–46.
- Akber RA, Pfitzner J & Johnston A 1995. Wind direction correlated measurements of radon and radon progeny in atmosphere: A method for radon source identification. In *Radon and radon progeny measurements in Australia* eds RA Akber & F Harris, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra, 55–64.
- Akber RA, Pfitzner J & Peterson MC 1992. *Model-based estimates of public radiation dose due to radon transport arising from Ranger uranium mine*. Paper presented to the 17th Annual Conference of the Australian Radiation Protection Society, Darwin 21–23 September 1993.
- Akber RA, Pfitzner J & Solomon S 1995. Behaviour of radon progeny in the atmosphere at population centres in the vicinity of a uranium mine. In *Radon and radon progeny measurements in Australia* eds RA Akber & F Harris, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra, 3–12.
- Akber RA, Pfitzner J & Whittlestone S 1995. *A mobile station for radon measurement*. In Part 1. Technical memorandum 47, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra 11–22.
- Allison HE & Holdway DA 1988. Development of tests for assessing the effects of aqueous wastes from a uranium mine using invertebrates with special reference to hydra. *27th Annual Congress Australian Society for Limnology*. Townsville 13–15 May 1988 ASL Newsletter 26(2), 19.
- Allison HE & Simpson RD 1989. *Element concentrations in the freshwater mussel, Velesunio angasi, in the Alligator Rivers Region*. Technical memorandum 25, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Andersen AN 1997. Ants as indicators of restoration success following mining: A functional group approach. In *Conservation outside nature reserves*, eds P Hale & D Lamb. Centre for Conservation Biology, Univ of Queensland, 319–325.
- Andersen AN & Morrison S (in press). Myrmecochory in Australia's seasonal tropics: Effects of disturbance on distance dispersal. *Australian Journal of Ecology*.
- Andersen AN, Morrison S & Belbin L 1996. The role of ants in minesite restoration in the Kakadu region of Australia's Northern Territory, with particular reference to their use as bio-indicators. Consultancy report to CSIRO Division of Wildlife & Ecology, CSIRO Minesite Rehabilitation Research Program, January 1996.
- Andersen AN & Sparling GP 1997. Ants as indicators of restoration success: Relationship with soil microbial biomass in the Australian seasonal tropics. *Restoration Ecology* 5(2), 109–114.

- Andrews AS, leGras CA, Akber RA, Bryce AJ & Todd AJ 1995. Origin of sulfate in surface and ground-waters within the Ranger uranium mine, Northern Territory. *Centre for Isotope Studies*, Research Report 1993–1994, 7–11.
- Andrews AS, leGras CA, Akber RA, Bryce AJ & Todd AJ 1996. Origin of sulfate in surface and ground-waters within the Ranger uranium mine, Northern Territory. *Geological Society of Australia*, 13th Australian Geographical Convention, Canberra, February 1996, Abstract No. 41.
- Anttonen T, Noller BN & Woods DA 1988. *Interlaboratory comparison of the measurement of uranium in urine*. Technical memorandum 21, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- ARRRI 1984. Alligator Rivers Region Research Institute Annual Research Report, 1983–1984. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra.
- ARRRI 1985. Alligator Rivers Region Research Institute Annual Research Summary, 1984–85. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra.
- ARRRI 1986. Alligator Rivers Region Research Institute Annual Research Summary, 1985–86. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra.
- ARRRI 1987. Alligator Rivers Region Research Institute Annual Research Summary, 1986–87. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra.
- ARRRI 1988. Alligator Rivers Region Research Institute Annual Research Summary, 1987–88. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra.
- ARRRI 1990. *Proceedings of the 29 Congress of the Australian Society of Limnology*, Jabiru NT. Coordination R Hyne, Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra.
- ARRRI 1991e. Alligator Rivers Region Research Institute Annual Research Summary, 1988–89. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra.
- ARRRI 1992a. Alligator Rivers Region Research Institute Annual Research Summary 1989–90. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra.
- ARRRI 1992b. Alligator Rivers Region Research Institute Annual Research Summary 1990–91. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra.
- Arthington A, Chang WB, Davies J, Dudgeon D, Gopal B, Humphrey C, Lam PKS, Lowe-McConnell R, Osborne P, Pearson RG, Petersen RC & Williams WD 1994. Conservation and management of inland waters in tropical Asia and Australia: Concluding remarks. *Mitteilungen Internationalis Vereinigung Limnologiae* 24, 369–386.
- Ashwath N 1991. Revegetation research in the Alligator Rivers Region. In *Growback '91*, eds T Ofor & RJ Watson, Growback Publications, Parkville, Victoria.
- Ashwath N 1992a. Restoration research in the Alligator Rivers Region, Australia. In *Proceedings of the 9th Annual National Meeting of the American Society for surface mining and reclamation*. Duluth Minnesota, June 14–18, 1992, 633–643.
- Ashwath N 1992b. Acid soil tolerance of Australian tropical and sub-tropical Acacias. In *Proceedings of the 3rd International Symposium on Plant-soil interaction at low pH*. Coolan, Queensland 12–16 September 1992. (Poster only.)

- Ashwath N 1993c. Effects on native plants of the land application of excess mine water. In *Proceedings of the Workshop on Land application of effluent water from uranium mines in the Alligator Rivers Region*. Jabiru, 1–13 September 1991. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra, 289–298.
- Ashwath N, Cusbert PJ, Bayliss B, McLaughlin M & Hunt C 1993. Chemical properties of mine spoils and selected natural soils of the Alligator Rivers Region: Implications for establishing native plant species on mine spoils. In *Proceedings of the Symposium on the Management and rehabilitation of waste rock dumps*. Darwin 7–8 October 1993. Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra, 128–142.
- Ashwath N, Gibson AH, Yonga M, McInnes A, Malden J & Bayliss B 1995. Selection of rhizobium strains for improved nitrogen fixation in mine site revegetation. In *Proceedings of the 20th Annual Environmental Workshop: Managing environmental impacts—Policy & Practice*, Darwin 2–26 October 1995 Minerals Council of Australia, 345–352.
- Ashwath N, Gray E & Banks J 1994. Native grasses: Their potential use in revegetation of disturbed sites in the Wet-Dry tropics. In *The Proceedings of the Australasian Institute of Mining and Metallurgy, Australian Mining looks north—Challenges and choices* Darwin 5–9 August 1994, 459–464.
- Ashwath N, McLaughlin M, McIntyre W, Plummer J & Slee M 1994. Seed germination in selected tree, shrub, forb and grass species native to Kakadu National Park and its environs. In *Proceedings of the National Workshop on native seed biology for revegetation*, 24–26 August 94 Perth WA, 81–86.
- Avery PL 1983. The transport of uranium series nuclides down-gradient of orebodies in the Alligator Rivers Uranium Province. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no 19. Supervising Scientist for the Alligator Rivers Region.
- Ayers GP & Gillett RW 1988. First observations of cloud-water acidity in tropical Australia. *Clean Air* 22(2), 53–57.
- Bailey B, Clay D, Baker L & Walden D 1983. Seasonal distribution and biomass of aquatic macrophytes in Corndorl Billabong. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no 34. Supervising Scientist for the Alligator Rivers Region.
- Bailey K 1989. OSS. *Australian Science Mag*, Issue 2, 21.
- Baird DJ, Finlayson CM & Camilleri C 1995. Ecological impact of contaminants on wetlands: Towards a relevant method of risk assessment. In *Proceedings of Wetland research in the wet-dry tropics of Australia*, Supervising Scientist for the Alligator Rivers Region, 22–24 March 1995, Jabiru NT, 242–246.
- Baker L, Clay D, Bailey B & Walden D 1983. Seasonal changes in composition and density of littoral fish populations in Corndorl Billabong. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no 38. Supervising Scientist for the Alligator Rivers Region.
- Baker L & Walden D 1983. Acute toxicity of copper and zinc to three fish species from Magela Creek. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no 64. Supervising Scientist for the Alligator Rivers Region.

- Baker L & Walden D 1984. *Acute toxicity of copper and zinc to three fish species from the Alligator Rivers Region*. Technical memorandum 8, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Bayliss B, Brennan K, Eliot I, Finlayson M, Hall R, House T, Pidgeon B, Walden D & Waterman P 1998. *Vulnerability assessment of predicted climate change and sea level rise in the Alligator Rivers Region, Northern Territory, Australia*. Supervising Scientist Report 123, Supervising Scientist, Canberra.
- Bayliss B, Brennan K, Eliot I, Finlayson M, Hall R, House T, Pidgeon B, Walden D & Waterman P 1997. *Vulnerability assessment of predicted climate change and sea level rise in the Alligator Rivers Region, Northern Territory, Australia*. Supervising Scientist Report 123, Supervising Scientist, Canberra.
- Bayliss BL, Brennan KG, Eliot I, Finlayson CM, Hall RN, House T, Pidgeon RWJ, Walden D & Waterman P 1996. Vulnerability assessment of the possible effects of predicted climate change and sea level rise in the Alligator Rivers region Northern Territory Australia. World Wide Web, http://www.erin.gov.au/p...epa/eriss/vuln_cont.htm.
- Beckett R, Nicholson G, Hart BT, Hanon M & Giddings JC 1988. Separation and size characterisation of colloidal particles in river water by sedimentation field-flow fractionation. *Water Research* 22(2), 1535–1545.
- Beer T & Young PC 1980. *On the characterisation of longitudinal dispersion in natural streams*. Report AS/R 42, Centre for Resource and Environmental Studies, ANU, Canberra.
- Beer T & Ziolkowski F 1995. *Environmental risk assessment: An Australian perspective*. Supervising Scientist Report 102, Supervising Scientist, Canberra. http://www.erin.gov.au/portfolio/epa/eriss/vuln_cont.html.
- Bentley KW & Kerr CB 1983. Preliminary findings on uranium levels in hair, blood and urine of occupationally exposed uranium mill workers. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no 57. Supervising Scientist for the Alligator Rivers Region.
- Bishop KA 1980. Fish kills in relation to physical and chemical changes in Magela Creek (East Alligator River system, Northern Territory) at the beginning of the tropical Wet season. *Australian Zoologist* 20, 485–500.
- Bishop K 1983a. Feeding habits of freshwater fishes of the Alligator Rivers Region. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no 40. Supervising Scientist for the Alligator Rivers Region.
- Bishop K 1983b. Development of a model to predict freshwater fish community structure. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no 47. Supervising Scientist for the Alligator Rivers Region.
- Bishop K 1983c. Avoidance testing: An alternative or complement to acute toxicity testing. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no 66. Supervising Scientist for the Alligator Rivers Region.
- Bishop K 1983d. Fish movement as a possible regional dispersal mechanism. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no 72. Supervising Scientist for the Alligator Rivers Region.

- Bishop KA, Allen SA, Pollard DA & Cook MG 1986. *Ecological studies on the freshwater fishes of the Alligator Rivers Region, Northern Territory. Volume I Outline of the study, summary, conclusions and recommendations*. Research report 4 (i), Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Bishop KA, Allen SA, Pollard DA & Cook MG 1990. *Ecological studies on the freshwater fishes of the Alligator Rivers Region, Northern Territory. Volume II Synecology*. Research report 4 (ii), Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Bishop KA, Allen SA, Pollard DA & Cook MG (in press). *Ecological studies on the freshwater fishes of the Alligator Rivers Region, Northern Territory. Volume III Autecology*. Research report 4 (iii), Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Bishop KA, Baker LM & Noller BN 1982. Naturally-occurring ichthyocides and a report on *Owenia vernicosa* F. Muell. (Family Meliaceae), from the Magela Creek system, Northern Territory. *Search* 13(5-6), 150-53.
- Bishop KA & Forbes MA 1991. The freshwater fishes of northern Australia. In *Australian monsoonal lowlands: Ecology and man*, eds CD Haynes, MG Ridpath & MAJ Williams, AA Balkema, Rotterdam 79-107.
- Bishop KA, Pidgeon RWJ & Walden DJ 1995. Studies of fish movement dynamics in a tropical floodplain river: Prerequisites for a procedure to monitor the impacts of mining, in the use of biota to assess water quality, *Australian Journal of Ecology* 20(1), 81-107.
- Bishop KA & Pollard DA 1978. Alligator Rivers freshwater fish ecology study: Pilot survey report. Office of the Supervising Scientist, November 30th, 1978.
- Bond WJ & Willett IR 1992. Movement of water and major ions in the Jabiru land application experiment. In *Proceedings of the Workshop on Land application of effluent water from uranium mines in the Alligator Rivers Region*. Office of the Supervising Scientist, AGPS Canberra, 79-104.
- Bond WJ, Willett I & Verburg K 1994. Determining the fate of contaminants following land disposal of mine waste water. XV World Congress of Soil Science, Acapulco Mexico Vol 2a, 204-216.
- Bond WJ, Willett IR & Verburg K 1992. *Fate of water and solutes following land application of retention pond water at Ranger uranium mine*. Abstracts of Oral Presentations, National Soils Conference, Australian Society Soil Science, Adelaide, p 67.
- Brennan K 1996. *An annotated checklist of the vascular plants of the Alligator Rivers Region, Northern Territory, Australia*. Supervising Scientist Report 109, Supervising Scientist, Canberra.
- Brennan K 1996. *Flowering and fruiting phenology of native plants in the Alligator Rivers Region with particular reference to the Ranger uranium mine lease area*. Supervising Scientist Report 107, Supervising Scientist, Canberra.
- Brennan KG, Noller BN, leGras CAA, Morton SR & Dostine PL 1992. *Heavy metals in waterbirds from the Magela Creek flood plain, Alligator Rivers Region, Northern Territory, Australia*. Technical memorandum 36, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.

- Brinkman R & Singh VP 1982. Rapid reclamation of brackish water fish ponds in acid sulphate soils. In *Proceedings of the 2nd International Symposium on Acid Sulphate Soils*, IILRI, The Netherlands, 318–330.
- Brown VM 1986. Development of water quality criteria from ecotoxicological data. In *Water quality management: Freshwater ecotoxicology in Australia*, ed BT Hart. Water Studies Centre, Chisholm Institute of Technology, Melbourne.
- Brown VM & Holdway DA 1988. Protection of aquatic environments from potentially toxic aqueous mine wastes. Australian Mining Industry Council Environmental Workshop 1988. Proceedings 11, 19–21.
- Brundrett M 1996. The ecology of VAM fungi in undisturbed and disturbed habitats in tropical Australia. First International Conference on Mycorrhizae, Berkeley, California, August 1996.
- Brundrett MC, Abbott LK, Jasper DA & Ashwath N 1992. The diversity of VAM fungi in undisturbed and disturbed habitats in the Alligator Rivers Region. In *The International Symposium for Management of mycorrhizas in agriculture, Horticulture and Forestry*. Perth, September 1992.
- Brundrett MC, Abbott LK, Jasper DA & Ashwath N 1992. The infectivity of mycorrhizal fungi in undisturbed and disturbed habitats in the Alligator Rivers Region. In *The International Symposium for Management of mycorrhizas in agriculture, Horticulture and Forestry*, Perth, September 1992.
- Brundrett MC, Abbott LK, Jasper DA & Ashwath N 1993. Propagules of mycorrhizal fungi in undisturbed and disturbed habitats of Kakadu National Park and its environs, Australia, *9th North American Conference on Mycorrhizae*, Guelph Canada 8–12 August 1993. (Poster only.)
- Brundrett MC, Abbott LK, Jasper DA & Ashwath N 1993. The diversity of VAM fungi in undisturbed and disturbed habitats of Kakadu National Park and its environs, Australia, *9th North American Conference on Mycorrhizae*, Guelph Canada 8–12 August 1993. (Poster only.)
- Brundrett MC, Abbott LK, Jasper DA & Ashwath N 1993. The isolation and enumeration of VAM fungi from various habitats of Kakadu National Park and its environs, Australia, *9th North American Conference on Mycorrhizae*, Guelph Canada 8–12 August 1993. (Poster only)
- Brundrett M, Abbott LK, Jasper DA & Ashwath N 1993. The diversity of Glomalean fungi in disturbed & natural habitats near Kakadu National Park, tropical Australia. *9th North American Conference on Mycorrhiza*, Guelph, Ontario, Canada 8–12 August 93, Abstract.
- Brundrett M, Abbott LK, Jasper DA & Ashwath N 1994. Propagules of mycorrhizal fungi in undisturbed and disturbed habitats in the Kakadu region of Australia. Poster presentation P10. *International Mycorrhizal Workshop*, Kaiping China.
- Brundrett M, Abbott LK, Jasper DA & Ashwath N 1994. The diversity of VAM fungi in undisturbed and disturbed habitats in the Kakadu region of Australia. Poster presentation P8. *International Mycorrhizal Workshop*, Kaiping China.
- Brundrett M, Abbott LK, Jasper DA & Ashwath N 1994. The isolation and enumeration of VAM fungi from various habitats in the Kakadu region of Australia. Poster presentation P9. *International Mycorrhizal Workshop*, Kaiping China.

- Brundrett M, Abbott LK, Jasper DA & Ashwath N 1995. Mycorrhizal associations in disturbed and natural habitats in tropical Australia. In *Mycorrhizas for plantation forestry in Asia*, eds M Brundrett, B Dell, N Malajczuk & G Mingpin. ACIAR Conference Proceedings. Australian Centre for International Agricultural Research, Canberra 34–40.
- Brundrett M, Ashwath N & Jasper DA 1996. Mycorrhizas in the Kakadu region of tropical Australia: II Propagules of Mycorrhizal fungi in disturbed habitats, *Plant and Soil*, Kluwer Academic Publishers, The Netherlands 0, 1–12.
- Brundrett M, Ashwath N & Jasper DA 1996a. Mycorrhizas in the Kakadu region of tropical Australia I Propagules of mycorrhizal fungi and soil properties in natural habitats. *Plant and Soil*, Kluwer Academic Publishers, 184 (1), 159–171.
- Brundrett M, Ashwath N & Jasper DA 1996b. Mycorrhizas in the Kakadu region of tropical Australia: II Propagules of mycorrhizal fungi in disturbed habitats, *Plant and Soil*, Kluwer Academic Publishers, 184 (1), 173–184.
- Brundrett M, Jasper DA & Ashwath N 1994. Mycorrhizal associations in disturbed and undisturbed habitats in the Kakadu region of tropical Australia. International mycorrhizal workshop Kaiping China. Oral presentation.
- Burton A 1989. The Federal Government and the Alligator Rivers Region. *Australian Science Mag*, Issue 2, 24.
- Camilleri C, Reithmuller N & van Dam RA 1996. Appendix B. Acute toxicity of kiln grade spar (KGS) leachate to sac-fry of the purple-spotted gudgeon (*Mogurnda mogurnda*). In *Toxicity of kiln grade spar to terrestrial and aquatic organisms*, eds JL Stauber & GT Vaughan. CSIRO Division of Coal and Energy Technology, Investigation report CET/IR523R.
- Camilleri C & Shine R 1990. Sexual dimorphism and dietary divergence: Differences in trophic morphology between male and female snakes. *Copeia* 1990, 649–658.
- Camilleri C, Storrs M, Finlayson CM, Pfeifle V & Markich SJ 1996. Risk assessment and ecotoxicological assessment of herbicide impacts on tropical Australian wetlands. Intecol V Internal Wetlands Conference, Perth 22–28 September 96, p65.
- Camilleri C, Storrs M, Finlayson CM, van Dam RA, Pfeifle V & Markich SJ 1997. Ecotoxicological testing and risk assessment of herbicide impacts on tropical Australian wetlands. Proceedings of the 7th Annual Meeting of SETAC-Europe, 6–10 April Amsterdam, Poster Presentation.
- Cannon KJ 1989. Water management at Ranger uranium mine. *Australian Science Mag* Issue 2, 25.
- Cannon KJ, Carter MW & Waggitt PW 1991. Standards and procedures for release of uranium mine waste waters into a World Heritage Area: Physical aspects. *4th International Mine Water Congress*, Ljubljana, Yugoslavia September 1991.
- Carbon B 1996. My point of view: Water Quality Guidelines Reviewed, In *Water*, Journal of the Australian Water and Wastewater Association, Vol 23/5, 3.
- Carbon B 1996. Performance, Best Practice and the icons of image in the mining industry. In *3rd International and the 21st Annual AMIC Environmental Workshop*, Newcastle 14–18 October 1996.

- Carter J, Hill G, Devonport C & Waggitt P 1996. Geographic Information Systems and Remote Sensing in northern Australia: 1995 Compendium. AURISA Occasional Paper no. 2.
- Carter MW 1983a. Critical paths and critical people. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no 77. Supervising Scientist for the Alligator Rivers Region.
- Carter MW 1983b. Derived limits for occupational exposure to uranium mine and mill dusts in the air and on surfaces. *Radiation Protection Dosimetry* 4(1), 27–31.
- Carter MW 1984a. Radiation protection in mining: Six years after Fox. *Radiation Protection in Australia* 2(2), 59–64.
- Carter MW 1984b. Measurement of surfaces contaminated by uranium and its decay products. *Radiation Protection Dosimetry* 5(4), 233–239.
- Carter MW 1989. Testing for compliance with regulatory standards: Discussion and a compendium of methods. *Radiation Protection in Australia* 7(4), 107–115.
- Carter MW 1990. *The development of a regulatory mechanism for the control of water release from Ranger uranium mine*. Technical memorandum 30, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Carter MW 1993. Critical Groups: Basic concepts. In *Proceedings of the Workshop on Land application of effluent water from uranium mines in the Alligator Rivers Region*. Jabiru 11–13 September 1991. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra 181–186.
- Carter MW 1993. Implications for regulations. In *Proceedings of the Workshop on Land application of effluent water from uranium mines in the Alligator Rivers Region*, Jabiru 11–13 September 1991. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra 343–348.
- Carter MW 1993. Introduction to the first workshop session on regulatory needs. In *Proceedings of the Workshop on Land application of effluent water from uranium mines in the Alligator Rivers Region*, Jabiru 11–13 September 1991. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra 338–342.
- Carter MW, Burns P & Munslow-Davies L 1993. Development of a revised radiotoxicity hazard classification. *Radiation Protection Dosimetry* 46(1), 37–43.
- Carter MW, Burns P & Munslow-Davies L 1993. *Radiotoxicity hazard classification: the basis and development of a new list*. Technical memorandum 38, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Carter MW & Woods DA 1986. Radiation protection in Australian uranium and thorium (sand) mining: Regulations and practical experience. In *Proceedings of the International Symposium on Radiation Protection in mines*. Chinese Nuclear Society, Beijing, China.
- Carter MW & Woods DA 1989. Determination of the annual limit on intake for uranium and thorium ore dust. Letter to the Editor. *Radiation Protection Dosimetry* 28, 311.
- Cartwright DI 1990. The Australian species of *Ecnomus McLachlan* (Trichoptera: Ecnomidae). *Memoirs of the Museum of Victoria* 51, 1–48.
- Cassels B & Akber R 1993. Critical groups and control of radiation related practices. Radiological aspects ARPS 18 Annual Conference 5–8 October 1993 Sydney. Oral presentation.

- Chartres CJ, Walker PH, Willett IR, East TJ, Cull RF, Talsma T & Bond WJ 1991. *Soils and hydrology of Ranger uranium mine sites in relation to application of retention pond water*. Technical memorandum 34, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Clark RL 1990. Ecological history/environmental evidence. *Proceedings of the Ecological Society of Australia*.
- Clark RL & Guppy JC 1988. A transition from mangrove forest to freshwater wetland in the monsoon tropics of Australia. *Journal of Biogeography* 15, 665–684.
- Clay D, Baker L, Bailey B & Walden D 1983a. Gillnet fishing in four billabongs of the Magela Creek. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no 37. Supervising Scientist for the Alligator Rivers Region.
- Clay D, Baker L, Bailey B & Walden D 1983b. The effect of Dry season burning on two floodplain grass communities. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no 68. Supervising Scientist for the Alligator Rivers Region.
- Coughanowr C 1998. *State of the Derwent Estuary*. Supervising Scientist Report 129, Supervising Scientist, Canberra.
- Cowie IE & Finlayson CM 1986. *Plants of the Alligator Rivers Region, Northern Territory*. Technical memorandum 17, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Cowie ID, Finlayson CM & Bailey BJ 1988. *Alien plants in the Alligator Rivers Region, Northern Territory, Australia*. Technical memorandum 23, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Cranston PS 1990. Biomonitoring and taxonomy. *Environmental Monitoring and Assessment* 14, 265–273.
- Cranston PS 1996. The immature stages of two unusual species of *Dicrotendipes* (Diptera: Chironomidae) from Australia. *Australian Journal of Entomology*.
- Cranston PS, Cooper PD, Hardwick RA, Humphrey CL & Dostine PL 1997. Tropical acid streams—the chironomid (Diptera) response in northern Australia. *Freshwater Biology* 37, 473–483.
- Cranston PS, Dillion ME, Pinder LCV & Reiss FR 1989. Keys and diagnoses of the adult males of the subfamily Chironominae (Diptera, Chironomidae). *Entomologica Scandinavica Supplement* 34, 353–502.
- Cranston PS & Edward DHD 1992. A systematic reappraisal of the Australian Aphroteniinae (Diptera: Chironomidae) with dating from vicariance biogeography. *Systematic Entomology* 17, 41–54.
- Cranston PS & Hare L 1995. *Conochironomus* Freeman: an Afro-Australian Chironomini genus revised (Diptera: Chironomidae). *Systematic Entomology* 20, 247–64.
- Cranston PS & Martin J 1989. Family of Chironomidae. In *Catalog of the Diptera Australasian and Oceanic Region*, ed NL Evenhuis, Bishop Museum, Hawaii 252–74.
- Cranston PS, Oliver DR & Saether OA 1989. Keys and diagnoses of the adult males of the subfamily Orthocladiinae (Diptera, Chironomidae). *Entomologica Scandinavica Supplement* 34, 165–352.

- Crowley LELM & Ivantsoff W 1982. Reproduction and early stages of development in two species of Australian rainbowfishes, *Melanotaenia nigrans* (Richardson) and *Melanotaenia splendida inornata* (Castelnau). *Australian Zoologist* 21(1), 85.
- Crowley LELM, Ivantsoff W & Allen GR 1986. Taxonomic position of two crimson-spotted rainbowfish, *Melanotaenia duboulayi* and *Melanotaenia fluviatilis* (Pisces: Melanotaeniidae) from eastern Australia with special reference to their early life history stages. *Australian Journal of Marine and Freshwater Research* 37, 385–398.
- Cull RF, Duggan K, East TJ, Marten R & Murray AS 1987. Tailings transport and deposition downstream of the Northern Hercules (Moline) Mine in the catchment of the Mary River, NT. In *Proceedings of 10th North Australian Mine Rehabilitation Workshop: Environmental planning and management for mining and energy*, eds PJR Broese van Groenou & JR Burton, 199–216.
- Cull RF & East TJ 1985. Termite activity in relation to long-term stability of uranium tailing impoundments in the Alligator Rivers Region, Northern Territory, Australia. *Erosion Research Newsletter* 12, 8.
- Cull RF & East TJ 1987. Geomorphic factors in the rehabilitation of earthen mine structures (with reference to uranium mining in the Northern Territory). In *Australian Mining Industry Council Environmental Workshop 1987*. Adelaide 21–25 September 1987, 63–76.
- Cusbert PJ, Ashwath N, Hunt C & Bayliss B 1993. Determination of acid extractable elements in soils from the Alligator Rivers Region: A comparison of two digestion techniques. Australian Soil and Plant Analysis Council, *First National Workshop on Soil and Plant Analysis*, ed DR Baigent, Ballarat 2–4 March 1993.
- Cusbert PJ, Carter MW & Woods DA 1992. *In vitro* dissolution of uranium. Royal Australian Chemical Institute, Environmental Chemistry Division, Second Environmental Chemistry Conference: Chemistry and the urban environment, Program and abstracts, Monash University, 9–12 February 1992, 32.
- Cusbert PJ, Carter MW & Woods DA 1994. In-vitro dissolution of uranium *Radiation Protection Dosimetry* 55(1), 39–47.
- Cusbert PJ & leGras CA 1995. The application of ion chromatography to determine total Kjeldahl nitrogen in waste rock and natural soils. In *Proceedings of 13th Australian Symposium on Analytical Chemistry: Initiatives in quality solutions and 4th Environmental Chemistry Conference: Chemistry in tropical and temperate environments*, 9–14 July 95 Darwin NT, A022–1– A022–3.
- Cusbert PJ, leGras CA & Ashwath NA 1995. The application of ion chromatography to determine total Kjeldahl nitrogen in plant tissue. In *Abstracts of Papers and Scientific Program*, 6th Asian Chemical Congress and 11th Phillippine Chemistry Congress 22–25 May 1995, Manila.
- Cusbert PJ, Noller BN, Willett IR & Beech TA 1990. The determination of aluminium in dithionite soil extracts using a catechol violet spectrophotometric method. *Communication in Soil Science and Plant Analysis* 21, 75–89.
- Davies P, Mitchell N & Barmuta L 1996. *The impact of historical mining operations at Mount Lyell on the water quality and biological health of the King and Queen River catchments, western Tasmania*. Mount Lyell Remediation Research and Demonstration Program. Supervising Scientist Report 118, Supervising Scientist, Canberra.

- Davies SHR & Hart BT 1981. *Transport of trace metals in the Magela Creek system, Northern Territory: II Trace metals in the Magela Creek billabongs at the end of the 1978 Dry season*. Technical memorandum 2, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Davy DR & Jeffree RA 1984. The freshwater mussel, *Velesunio angasi*: A monitor for radium-226 pollution in the Alligator Rivers Region, Northern Territory. *Radiation Protection in Australia* 2(4), 115–121.
- Devonport C 1992. Development of a prototype GIS for risk-hazard assessment. In *Proceedings of the GIS and Environmental Rehabilitation Workshop*, 4–5 September 92, eds CC Devonport, SJ Riley & SM Ringrose, Supervising Scientist for the Alligator Rivers Region, AGPS Canberra 122–131.
- Devonport C 1992. GIS and the environment selected bibliography. In *Proceedings of the GIS and Environmental Rehabilitation Workshop*, 4–5 September 92, eds CC Devonport, SJ Riley & SM Ringrose, Supervising Scientist for the Alligator Rivers Region, AGPS Canberra 141–150.
- Devonport CC 1992. *A selected GIS bibliography*. Technical memorandum 40, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Devonport C & Riley S 1993. Towards an operational GIS for the Alligator Rivers Region. In *Nargis 93 Proceedings of the North Australian Remote Sensing and Geographic Information Systems Forum*. AURISA Monograph No 8, Oct 1993, 108–117.
- Devonport C, Riley SJ & Ringrose SM (eds) 1993. *Proceedings of the GIS and Environmental Rehabilitation Workshop*. Darwin 4–5 September 1992, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Devonport C & Waggitt PW 1994. *Geographic information systems and remote sensing in northern Australia: A compendium*. Technical memorandum 44, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Dostine PL, Humphrey CL & Faith DP 1993. *Requirements for effective biological monitoring of freshwater ecosystems*. Technical memorandum 43, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Dostine PL, Humphrey CL & Faith DP 1993. Requirements for effective biological monitoring of freshwater ecosystems. In *Proceedings of the Ecotoxicology Specialist Workshop on Minimising the impact of pesticides on the riverine environment, using the Cotton industry as a model*, 1–2 March 93 Myall Vale Research Station Wee Waa, NSW ed JC Chapman, Land & Water Resources Research and Development Corporation, Occasional Paper No 07/93: 68–82.
- Dostine PL & Morton SR 1988. Notes on the food and feeding habits of Cormorants on a tropical flood plain. *Emu* 88, 263–266.
- Dostine PL & Morton SR 1989a. Food of the Darter *Anhinga melanogaster* in the Alligator Rivers Region, Northern Territory. *Emu* 89, 53–54.
- Dostine PL & Morton SR 1989b. Feeding ecology of the whiskered tern, *Chlidonias hybrida*, in the Alligator Rivers Region, Northern Territory. *Australian Wildlife Research* 16, 549–62.
- Dostine PL & Morton SR 1989c. Food of the black-winged stilt *Himantopus himantopus* in the Alligator Rivers Region, Northern Territory. *Emu* 89, 129–144.

- Dudgeon D, Arthington AH, Chang WYB, Davies J, Humphrey CL, Pearson RG & Lam PKS 1994. Conservation and management of tropical Asian and Australian inland waters: Problems, solutions and prospects. *Mitteilungen Internationalis Vereinigung Limnologiae* 24, 369–386.
- East TJ 1985. Geomorphological assessment of sites and impoundments for the long-term containment of uranium mill tailings in the Alligator Rivers Region. *Coasts and tidal wetlands of the Australian monsoon region*, eds KN Bandsley, JDS Davie & CD Woodroffe, Australian National University, North Australian Research Unit, Mangrove Monograph No 1, 63–82.
- East TJ 1986a. Geomorphological assessment of sites and impoundments for the long-term containment of uranium mill tailings in the Alligator Rivers Region. *Australian Geographer* 17(1), 16–21.
- East TJ 1986b. Current research projects in geomorphology at the Alligator Rivers Region Research Institute. *Tropical Geomorphology Newsletter* 2, 3–5.
- East TJ 1996. Landform evolution. In *Landscape and vegetation ecology of the Kakadu region, northern Australia*, eds CM Finlayson & I von Oertzen, *Geobotany* 23, Kluwer Academic Publishers, Dordrecht, The Netherlands 37–56.
- East TJ, Clark RL & Wasson RJ 1989. Long-term losses from rehabilitated mines. *Australian Science Mag*, Issue 2, 43.
- East TJ, Cull RF, Murray AS & Duggan K 1988. Fluvial dispersion of radioactive mill tailings in the seasonally-wet tropics, northern Australia. In *Fluvial geomorphology in Australia*, ed RF Warner, Academic Press, Sydney, 303–322.
- East TJ, Nanson GC & Roberts RG 1993. Geomorphological stability of sites for the long-term containment of uranium mining wastes in the seasonally wet tropics, northern Australia. *Zeitschrift fur Geomorphologie*, Supplement Bund 87, 171–82 Berlin.
- East TJ, Noller BN & Willett IR 1993. Soil materials and their formation on Magela plain. Chapter 5, In *Modern sedimentation and late quaternary evolution of the Magela Creek plain*, ed RJ Wasson. Office of the Supervising Scientist for the Alligator Rivers Region, Research Report 6. AGPS, Canberra.
- East TJ, Uren CJ, Cull RF, Curley PM & Unger CJ 1989. Rehabilitation of the Ranger mine site. *Australian Science Mag* Issue 2, 40.
- East TJ, Uren CJ, Noller BN, Cull RF, Curley PM & Unger CJ (in press). Evaluation of the erosional characteristics of natural landform features in the design of rehabilitated mine structures, Ranger uranium mine, northern Australia. *Zeitschrift fur Geomorphologie*.
- East TJ, Uren CJ, Noller BN, Curley P & Unger C 1989. Storm runoff and sediment characteristics from waste rock batters at Ranger—A preliminary assessment. In *Proceedings of the 11th North Australian Mine Rehabilitation Workshop. Environmental Planning in Multiple Land Use Areas. Supplement*. Department of Mines and Energy, Darwin, 1–17.
- Eliot I, Waterman P & Finlayson CM (in press). Wetlands of the Alligator Rivers Region, northern Australia: climate change and sea level rise. *Wetlands Ecology and Management*.

- Eliot I, Waterman P & Finlayson CM 1998. Predicted climate change, sea level rise and wetland management in the Australian wet-dry tropics. *Wetlands Ecology and Management*. (In press).
- Ellis WR & Jeffree RA 1982. Determination of the distribution of alpha emitters in the tissues of the freshwater mussel *Velesunio angasi* using the alpha track etch method. In *Proceedings of 11th International Conference on Solid State Nuclear Tract Detectors*, Bristol, UK, September 1981. Pergamon Press, Oxford, 683–689.
- Evans KG & Loch RJ 1996. Using the RUSLE to identify factors controlling erosion rates of mine soils. *Land Degradation and Development* 7(3), 267–277.
- Evans K & Riley S 1993. Surficial hydrology of waste rock dumps: Management implications. In *Proceedings of the Symposium on the Management and Rehabilitation of Waste Rock Dumps*. Darwin 7–8 October 1993. Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra, 57–68.
- Evans K & Riley S 1994. Planning stable post-mining landforms: The application of erosion modelling. In *The Proceedings of the Australasian Institute of Mining and Metallurgy, Australian Mining looks north: Challenges and choices* Darwin 5–9 August 1994, 411–414.
- Evans K & Riley SJ 1994. Comparison of the results of monitoring and rainfall simulation experiments on large scale plots. Annual Conference of the Institute of Australian Geographers 25–29 September 1994, Magnetic Island Qld, Abstract.
- Evans K & Saynor M 1996. Vegetation halves run-off on waste rock dump. *Landline* Issue 30, 22–23.
- Evans KG, Saynor MJ & Willgoose GR 1996. The effect of vegetation on waste rock erosion, Ranger uranium mine, Northern Territory, *Bulletin of the AusIMM* 6 Sept 1996, 21–24.
- Evans KG, Saynor MJ, Willgoose GR & Unger CJ 1996. Landform erosion assessment. *Mining Environmental Management*, December 1996, 23–25.
- Faith DP 1991. Comments on issues in the Draft report relating to biological monitoring. Submission to the RAC Kakadu Conservation Zone Inquiry, KA 91/174. AGPS, Canberra.
- Faith DP & Cranston PS 1991. Could a cladogram this short have arisen by chance alone? On permutation tests for cladistic structure. *Cladistics* 7, 1–28.
- Faith DP, Dostine PL & Humphrey CL 1993. Detection of mining impacts on aquatic macroinvertebrate communities: Results of a disturbance experiment and the design of a multivariate BACIP monitoring program at Coronation Hill. Conference on the *Use of biota to assess water quality*. CRC for freshwater ecology, University of Canberra, September 1993, 21–24.
- Faith DP, Dostine PL & Humphrey CL 1995. Detection of mining impacts on aquatic macroinvertebrate communities: Results of a disturbance experiment and the design of a multivariate BACIP monitoring programme at Coronation Hill, Northern Territory, In *The use of biota to assess water quality*, *Australian Journal of Ecology* 20, 167–180.
- Faith DP, Humphrey CL & Dostine PL 1990. Requirements for effective environmental monitoring of aquatic ecosystems in the area of the Kakadu Conservation Zone. Submission to the RAC Kakadu Conservation Zone Inquiry, KA 90/047. AGPS, Canberra.

- Faith DP, Humphrey CL & Dostine PL 1991. Statistical power and BACI designs in biological monitoring: comparative evaluation of measures of community dissimilarity based on benthic macroinvertebrate communities in Rockhole Mine Creek, Northern Territory, Australia. *Australian Journal of Marine and Freshwater Research* 42, 589–602.
- Faith DP, Humphrey CL & Dostine PL 1991. Statistical power and BACI designs in biological monitoring: comparative evaluation of measures of community dissimilarity based on benthic macroinvertebrate communities in Rockhole Mine Creek, Northern Territory, Australia. *Bulletin of the Ecological Society of America* 72, 111.
- Finlayson CM 1984. Salvinia, water hyacinth and mimosa in Alligator Rivers Region, Northern Territory, *Australian Weeds* 3, 83.
- Finlayson CM 1988. Productivity and nutrient dynamics of seasonally inundated floodplains in the Northern Territory. In *Northern Australia: Progress and prospects*, eds D Wade-Marshall & P Loveday, *Floodplains research*. ANU, Darwin, Vol 2, 58–83.
- Finlayson CM 1989. Flowering plants and chemical turnover on the Magela flood plain. *Australian Science Mag*, Issue 2, 32.
- Finlayson CM 1991. Production and major nutrient composition of three grass species on the Magela floodplain, Northern Territory, Australia, *Aquatic Botany* 41(4), 263–280.
- Finlayson CM 1992. Litterfall in a *melaleuca* forest, on a seasonally inundated flood plain in tropical northern Australia. *Wetland Ecology and Management* 2(4), 177–188.
- Finlayson CM 1994. A metal budget for a monsoonal wetland in northern Australia. Toxic metals in plant soil systems. *Journal of Toxic metals in soil- plant systems* ed SM Ross, 433–451.
- Finlayson CM 1994. Ecological change: Concept & application: defining gaps and priorities. In *Proceedings of Monitoring of ecological change in wetlands in middle Europe*, eds G Aubrecht, G Dick & C Prentice, IWRB Special Publication 30, Slimbridge, UK, 157–161.
- Finlayson CM 1994. Monitoring ecological change in wetlands. In *Proceedings of Monitoring of ecological change in wetlands in middle Europe*, eds G Aubrecht, G Dick & C Prentice, IWRB Special Publication 30, Slimbridge, UK, 163–180.
- Finlayson CM 1995. Zum Monitoring ökologischer Veränderungen in Feuchtgebieten. *Natur und Landschaft* 69, 460–464.
- Finlayson CM (ed) 1995. *Wetland research in the wet-dry tropics of Australia*. Workshop, Jabiru NT 22–24 March 1995, Supervising Scientist Report 101, Supervising Scientist for the Alligator Rivers Region, Canberra 3–11.
- Finlayson CM 1996. Change in ecological character. *The Ramsar Newsletter* Issue 22, 12–13.
- Finlayson CM 1996. *eriss* Ecological Risk Assessment. In *Joint ANSTO/CSIRO seminar on Ecological Risk Assessment April 1996*. Report ANSTO/E729 ed RF Cameron, Australian Nuclear Science and Technology Organisation.
- Finlayson CM 1996. Framework for designing a monitoring programme. In *Monitoring Mediterranean wetlands: A methodological guide*, ed P Tomas Vives, MedWet, Publication, Wetlands International, Slimbridge UK & ICN Lisbon, 25–34.

- Finlayson CM 1996. Information needs for conservation and sustainable use of wetlands in Oceania. *Proceedings of the Regional Workshop on Wetland Protection and Sustainable Use in Oceania*, Port Moresby, Papua New Guinea, 6–10 June 1994, 185–201.
- Finlayson CM 1996. Information required for wetland management in the South Pacific. In *Wetland Conservation in the Pacific Islands Region*. Proceedings of the Regional Workshop on Wetland Protection and Sustainable Use in Oceania, Port Moresby, Papua New Guinea 6–10 June 1994, Wetland International Asia Pacific, Canberra 118, 185–201.
- Finlayson CM 1996. Wetland conservation and sustainable use strategies: The Mediterranean example. In *Wetland Conservation in the Pacific Islands Region*. Proceedings of the Regional Workshop on Wetland Protection and Sustainable Use in Oceania, Port Moresby, Papua New Guinea 6–10 June 1994, Wetland International Asia Pacific, Canberra 118, 202–209.
- Finlayson CM 1996. Wetland monitoring and management in northern Australia. University of Ghana, Legon, Ghana, 22 November 96 presentation.
- Finlayson CM 1996. Wetland protection & sustainable use in Oceania: Aims and prospects. In *Wetland Conservation in the Pacific Islands Region*. Proceedings of the Regional Workshop on Wetland Protection and Sustainable Use in Oceania, Port Moresby, Papua New Guinea 6–10 June 1994, Wetland International Asia Pacific, Canberra 118, 10–13.
- Finlayson CM 1996. Wetland training: International experience. ANCA Workshop on Asia-Pacific Wetland Training Program, 8 December 1996.
- Finlayson CM 1996. Wise use of wetlands; Can we do it? In *Making multiple land use work*, Proceedings of the Wetlands Workshop, 6–7 December 1994, Darwin, ed P Jonauskus, Department of Lands, Planning and the Environment, Darwin, 15–24.
- Finlayson CM 1997. Coastal monitoring. Working with the wetlands, Newsletter of the Lower Mary River Landcare Group Inc 2.
- Finlayson CM 1997. Data management systems for environmental research in northern Australia: I. The establishment of a meta-database. II. Data management systems for wetland management. In *Data management systems for environmental research in northern Australia*, eds CM Finlayson & BL Bayliss, Supervising Scientist Report 124, Jabiru, Northern Territory, Australia. 1–10.
- Finlayson CM 1997. The Montreux Record: A mechanism for supporting the wise use of wetlands. In *Proceedings of the Sixth Meeting of the Conference of the Contracting Parties of the Convention on Wetlands*, Ramsar Convention Bureau, Gland, Switzerland. Technical sessions: Reports and Presentations Vol 10/12B, 32–38.
- Finlayson CM 1997. Wetland monitoring in the wet-dry tropics: A paradigm for elsewhere in Australia? In *Protocols for monitoring wetlands of the Swan Coastal Plain, Western Australia*, eds P Horwitz & J Davis, Waterways Commission, Perth, Australia. (In press)
- Finlayson CM 1997. Wetland monitoring in the wet-dry tropics: A paradigm for elsewhere in Australia. Establishing a protocol for monitoring wetlands on the Swan Coastal Plain. Edith Cowan University, Claremont Campus, Perth, 18 February 1997.
- Finlayson CM 1998. Development impacts on wetlands: Why monitor? In *Development policies, plans and wetlands*, ed C Prentice & R Jaensch. Proceedings of Workshop 1 of the International Conference on Wetlands and Development, Kuala Lumpur, Malaysia 9–13 October 1995. Wetlands International, Kuala Lumpur. 128–141.

- Finlayson CM 1998. Framework for designing a monitoring program. In *An information base for wetland management, research and education*, eds AG Spiers & CM Finlayson. Supervising Scientist Report, Supervising Scientist Group, Canberra. (in press)
- Finlayson CM 1998. Information needs for wetland management. In *An information base for wetland management, research and education*, eds AG Spiers & CM Finlayson. Supervising Scientist Report, Supervising Scientist Group, Canberra. (in press)
- Finlayson CM 1998. Wetland classification and inventory in *northern Australia*. In *An information base for wetland management, research and education*, eds AG Spiers & CM Finlayson. Supervising Scientist Report, Supervising Scientist Group, Canberra. (in press)
- Finlayson CM 1998. Wetland types and their distribution in northern Australia. In *An information base for wetland management, research and education*, eds AG Spiers & CM Finlayson. Supervising Scientist Report, Supervising Scientist Group, Canberra. (in press)
- Finlayson CM & Bayliss B (eds) 1997. *Data management systems for environmental research in northern Australia: Report of a workshop held in Jabiru, Northern Territory, 22 July 1995*. Scientist Report 124, Supervising Scientist, Canberra.
- Finlayson CM, Bailey BJ & Cowie ID 1989. *Macrophyte vegetation of the Magela Creek flood plain, Alligator Rivers Region, Northern Territory*. Research report 5, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Finlayson CM, Bailey BJ, Freeland WJ & Fleming MR 1988. Wetlands of the Northern Territory. In *The Conservation of Australian Wetlands*, eds AJ McComb & PS Lake, Surrey Beatty & Sons, Sydney, 103–126.
- Finlayson CM, Cowie ID & Bailey BJ 1990. Sediment seedbanks in grassland on the Magela Creek floodplain, northern Australia. *Aquatic Botany* 38, 163–176.
- Finlayson CM, Cowie ID & Bailey BJ 1993. Biomass and litter dynamics in a Melaleuca forest on a seasonally inundated floodplain in tropical, northern Australia. *Wetland Ecology and Management* 2(4), 177–188.
- Finlayson CM & Eliot I 1998. Coastal management in the Alligator Rivers Region. In *An information base for wetland management, research and education*, eds AG Spiers & CM Finlayson. Supervising Scientist Report, Supervising Scientist Group, Canberra. (in press)
- Finlayson CM & Eliot I 1998. Wetland monitoring in Australia's wet-dry tropics: A paradigm for elsewhere? In *Proceedings of Establishing a protocol for monitoring wetlands on the Swan Coastal Plain*, Edith Cowan University, Claremont WA 18 February 1998, Vol 2, 32–45.
- Finlayson CM, Gopal B & van der Valk AG 1996. Conservation and management of monsoonal wetlands. Intecol V Internal Wetlands Conference, Perth 22–28 September 96, p60.
- Finlayson CM, Hall RN & Bayliss BL 1998. Regional review of wetland management issues: Wet-dry tropics of northern Australia. LWRRDC Publication, Canberra.
- Finlayson CM, Julien MH, Russell-Smith J & Storrs M 1994. Summary of a Workshop on *Salvinia molesta* in Kakadu National Park, Northern Territory, Australia. *Plant Protection Quarterly*, 9(3), 114–116.

- Finlayson CM & Mitchell DS (in press). Australian wetlands: The monitoring challenge. *Wetlands Ecology and Management*, Kluwer Academic Publishers, Dordrecht, The Netherlands.
- Finlayson CM & Rea N (eds). Underlying reasons for the loss and degradation of Australian wetlands. *Wetland Ecology and Management*, Kluwer Academic Publishers, The Netherlands. (In press)
- Finlayson CM & Rea N 1998. Reasons for the loss and degradation of Australian wetlands. *Wetland Ecology and Management*. (in press)
- Finlayson CM, Roberts J, Chick AJ & Sale PJM 1995. *Typha domingensis* Pers and *Typha orientalis* Presl. In *The biology of Australian weeds*, eds RH Groves, RCH Shepherd & RG Richardson, RG & FJ Richardson, Melbourne 231–240.
- Finlayson CM & Storrs MJ 1998. Wetland management—sectoral divides and underlying issues: a case study based on the invasion of wetland by weeds. In *An information base for wetland management, research and education*, eds AG Spiers & CM Finlayson. Supervising Scientist Report, Supervising Scientist Group, Canberra. (in press)
- Finlayson CM, Storrs MJ & Lindner G (in press). Rehabilitation and monitoring of wetlands in the Alligator Rivers Region of northern Australia. *Journal of Wetlands Ecology and Management*, Kluwer Academic Publishers, Dordrecht, The Netherlands.
- Finlayson CM, Storrs MJ & Lindner G 1997. Degradation and rehabilitation of wetlands in the Alligator Rivers Region of northern Australia. *Wetlands Ecology & Management* 5, 19–36.
- Finlayson CM, Storrs MJ, Hall R & Bayliss B 1998. In *An information base for wetland management, research and education*, eds AG Spiers & CM Finlayson. Supervising Scientist Report, Supervising Scientist Group, Canberra. (in press)
- Finlayson CM, Thompson K, von Oertzen I & Cowie ID 1994. *Vegetation communities of five Magela Creek billabongs, Alligator Rivers Region, Northern Territory*. Technical memorandum 46, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Finlayson CM, Thurtell L, Storrs MJ, Applegate R, Barrow P & Wellings P 1998. Local communities and wetland management in the Australian wet-dry tropics. In *Wetlands in a dry land: Knowledge for management*, ed WD Williams. Environment Australia, Canberra (in press)
- Finlayson CM & van Dam R 1997. Early warning systems for detecting change in ecological character. Ramsar Scientific and Technical Review Panel, 6th Meeting, Gland, Switzerland, 15–17 April 1997.
- Finlayson CM, van Dam RA & Humphrey CL 1998. Wetland risk assessment: a framework for predicting and assessing change in ecological character. Unpublished report to Environment Australia, National Wetland Program.
- Finlayson CM & van der Valk AG 1995. Wetland classifications and inventory: A summary. In *Wetlands classification and inventory*, eds CM Finlayson & AG van der Valk, Kluwer Academic Publishers, Dordrecht, *Vegetatio* 118, 185–192.
- Finlayson CM & von Oertzen I (eds) 1996. *Landscape and vegetation ecology of the Kakadu Region, northern Australia*. *Geobotany* 23, Kluwer Academic Publishers, Dordrecht, The Netherlands.

- Finlayson CM & von Oertzen I 1996. The Kakadu region. In *Landscapes and vegetation ecology of the Kakadu Region, northern Australia* eds CM Finlayson & I von Oertzen, *Geobotany* 23, Kluwer Academic Publishers, Dordrecht, The Netherlands 1–16.
- Finlayson M & Woodroffe CD 1996. Wetland Vegetation. In *Landscapes and vegetation ecology of the Kakadu Region, northern Australia* eds CM Finlayson & I von Oertzen, *Geobotany* 23, Kluwer Academic Publishers, Dordrecht, The Netherlands 81–113.
- Finlayson CM, Yibarbuk D, Thurtell L, Storrs MJ & Cooke P (in press). Local community management of the Blyth/Liverpool wetlands, Arnhem Land, Northern Territory, Australia. Ramsar Convention Bureau and IUCN, Gland, Switzerland. In press
- Fox PJ, Akber RA & Prescott JR 1988. Spectral characteristics of six phosphors used in thermoluminescence dosimetry, *Journal of Physics* D21, 1089–1093.
- Fox RW, Kelleher GG & Kerr CB 1976. Ranger Uranium Environmental Inquiry, First Report. AGPS, Canberra.
- Fox RW, Kelleher GG & Kerr CB 1977. Ranger Uranium Environmental Inquiry, Second Report AGPS, Canberra.
- Fry RM 1975. Radiation hazards in uranium mining and milling. Australian Atomic Energy Commission, *Atomic Energy in Australia*, 18(4), 1–20.
- Fry RM 1980. Environmental protection and uranium mining in the Alligator Rivers Region. In *Social and environmental choice: the impact of uranium mining in the Northern Territory*, ed S Harris. CRES Monograph 3, ANU, Canberra, 12–24.
- Fry RM 1982a. International Commission on Radiological Protection: Radiation protection principles and practice. In *Radiation protection in the mining and milling of radioactive ores*. Lecture notes from a 2 week course, 2–13 February 1981, Australian Radiation Laboratory, Melbourne, Vol 1, 132–62.
- Fry RM 1982b. The long-term management of uranium mill tailings, *Australian Foreign Affairs Record* 43(4), 165–8.
- Fry RM 1982c. Criteria for the long-term management of uranium mill tailings. In *Proceedings of the International Symposium on the Management of Wastes from Uranium Mining and Milling*, International Atomic Energy Agency, Vienna. IAEA–SM–262/40, 71–83.
- Fry RM 1983a. Functions of the Supervising Scientist in the Alligator Rivers Region. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 1. Supervising Scientist for the Alligator Rivers Region.
- Fry RM 1983b. De minimis. *Radiation Protection in Australia* 1(1), 7.
- Fry RM 1988a. Uranium and the Park. *Nuclear Spectrum* 4(1), 16–21.
- Fry RM 1990. Realization of environmental protection goals for mining in the Alligator Rivers Region. In *Proceedings of the Workshop on Biological toxicity testing as a regulatory mechanism*, eds RA McGill & KA Malatt, 4–6 September 1989. Department of Mines and Energy, Darwin, 55–63.
- Fry RM & Carter MW 1988. Regulation of radiological protection in the mining and milling of radioactive ores in Australia. In *Proceedings of the International workshop on radiological protection in mining*, International Radiation Protection Association, Vol. A. 198–210.

- Fry RM, Carter MW, Johnston A & Woods DA 1989. The OSS and radiation protection. *Radiation protection in Australia* 7(4), 95–106.
- Fry RM & Morison IW 1982. *Regulation of the management of waste from uranium mining and milling in Australia*. International Atomic Energy Agency, Vienna. IAEA–SM–262/62, 41–54.
- Garnys VP 1979. Report of participation and inspection of sampling for the East Alligator River Quality Program for the period 8–11 January 1979.
- Gibson AH, Yonga M, McInnes A, Ashwath N, Reardon TB, Gordon DM & Richardson AE 1995. Genetic diversity and structure within an ancient population of tropical rhizobia. Sustainable agriculture for the tropics: The role of biological nitrogen fixation. International Symposium Rio de Janeiro 26 November–1 December 1995.
- Giles MS 1974. Toxicity studies on aquatic organisms and grass-sedge communities in the Magela Creek area, Report II, in The Alligator Rivers Area fact-finding study, four AAEC Reports, AAEC, Lucas Heights.
- Giles MS & Evans JV 1987 Concentration of radium in acid swamp soils in the Northern Territory, *Radiation Protection in Australia* 5(1), 14–18.
- Gillett RW, Ayers GP & Noller BN 1990. Rainwater acidity at Jabiru, Australia in the Wet season of 1983–84. *Science of the Total Environment* 92, 129–144.
- Giudici C, Scanlon A, Miedecke J, Duckett T, Burgess P, Love A, Irvine I, Canterford J & Waggitt P 1996. *Remediation options for tailings deposits in the King River and Macquarie Harbour*. Mount Lyell Remediation Research and Demonstration Program. Supervising Scientist Report 119, Supervising Scientist, Canberra.
- Gulson BL, Akber RA, Mizon KJ & Korsch MJ 1990. Lead isotopes as a seepage indicator around the Ranger uranium tailings dam. *Centre for Isotope Studies Research Report* 1988–1990, 119–121.
- Gulson BL, Mizon KJ, Korsch MJ & Noller BN 1989. Lead isotopes as seepage indicators around a uranium tailings dam. *Environmental Science and Technology* 23(3), 290–294.
- Hancock G & Martin P 1995. *A method for the determination of all radium isotopes in groundwater by alpha-particle spectrometry* In Part 1. Technical memorandum 47, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra 29–38.
- Hancock GJ & Martin P 1991. Determination of Ra in environmental samples by alpha-particle spectrometry. *International Journal of Applied Radiation and Isotopes* 42, 63–69
- Hancock GJ & Martin P 1996. Reply to Vargas and deSoto: On the determination of ^{223}Ra and ^{224}Ra from their daughter products in electrodeposited sources of radium. *Applied Radiation and Isotopes* 47, 129–130.
- Hancock G, Martin P & Akber RA 1995. *Determination of ^{227}Ac by alpha-particle spectrometry* In Part 1. Technical memorandum 47, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra 23–28.
- Hardwick RA, Cooper PD, Cranston PS, Humphrey CL & Dostine PL 1995. Spatial and temporal distribution patterns of drifting pupal exuviae of Chironomidae (Diptera) in streams of tropical northern Australia. *Freshwater Biology* 34, 569–578.

- Harries J 1996. Determining the liability for acid mine drainage. *Proceedings of the 3rd International 21st Annual Minerals Council of Australia Environmental Workshop*, Newcastle 14–18 October 1996, Vol 1, 127–131.
- Harries J 1996. National assessment of acid drainage from mine-sites in Australia. *2nd National Conference on Acid sulfate soils*, Coffs Harbour 5–6 September 1996, 130–131.
- Harries J 1997. *Acid mine drainage in Australia: Its extent and potential future liability*. Supervising Scientist Report 125, Supervising Scientist, Canberra.
- Harries J 1997. AMD Liability in Australia. *Mining Environmental Management*, Vol 5/4, 21–22.
- Harries J 1997. Estimating the liability for acid mine/rock drainage in Australia. *Proceedings of Fourth International Conference on Acid rock drainage*, Vancouver BC Canada, 31 May–6 June 1997, 1905–1918.
- Harries J 1997. The National Survey on the extent of AMD in Australia. In *Proceedings of the Third Australian Workshop on Acid mine drainage*, eds RW McLean & LC Bell. Australian Centre for Mine Site Rehabilitation Research, Brisbane. 1–8.
- Harries J 1998. The extent of acid mine drainage in Australia. In *Environmental Management: Engineering the water-environment and geo-environment. Proceedings of the Second International Conference on Environmental Management (ICEM2)*, eds M Sivakumar & RN Chowdury, Wollongong 10–13 February 1998. Elsevier, Amsterdam, Vol 2, 1179–1185.
- Harries J 1998. The OSS/ACMRR Study on acid mine drainage in Australia: Its extent and potential future liability. *The AusIMM Bulletin* 1, 72–74.
- Hart BT 1980. Water quality and aquatic biota in Magela Creek. In *Social and environmental choice: The impact of uranium in the Northern Territory*, ed S Harris, CRES, Monograph 3, ANU, Canberra, 47–63.
- Hart BT 1981. Trace metal complexing capacity of natural waters: a review. *Environmental Technology Letters* 2, 95–110.
- Hart BT 1982. *Australian Water Quality Criteria for heavy metals*. Water Studies Centre, Chisholm Institute of Technology.
- Hart BT 1982. Uptake of trace metals by sediments and suspended particulates: a review. *Hydrobiologia* 91, 299–313.
- Hart BT 1983. Implications of trace metal studies for water quality management. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 86. Supervising Scientist for the Alligator Rivers Region.
- Hart BT 1985. Some water quality issues for Australia. *Search* Vol. 15 No. 11–12, 339–342.
- Hart BT & Beckett R 1986. The composition of particulate matter from the Magela Creek system, northern Australia, *Environmental Technology Letters* 7, 613–624.
- Hart BT, Currey NA & Jones MJ 1984a. Fate of trace metals in the Magela Creek system, northern Australia. Experiments involving the addition of copper, zinc and manganese to plastic enclosures placed in Island Billabong during the 1981 Dry season. Water Studies Centre Tech. Report 24. Chisholm Institute of Technology, Melbourne.

- Hart BT, Currey NA & Jones MJ 1992. Biogeochemistry and effects of copper, manganese and zinc added to enclosures in Island Billabong, Magela Creek, northern Australia. *Hydrobiologia* 230, 93–134.
- Hart BT & Davies SHR 1981. Copper complexing capacity of waters in the Magela Creek system, northern Australia. *Environmental Technology Letters* 2, 205–214.
- Hart BT & Davies SHR 1984. *Capacity of waters in the Magela Creek system, Northern Territory, to complex copper and cadmium*. Technical memorandum 7, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Hart BT, Davies SHR & Thomas PA 1981. *Transport of trace metals in the Magela Creek system, Northern Territory: I Concentrations and loads of iron, manganese, cadmium, copper, lead and zinc during flood periods in the 1978–1979 Wet season*. Technical memorandum 1, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Hart BT, Davies SHR & Thomas PA 1982. Transport of iron, manganese, cadmium, copper and zinc by Magela Creek, Northern Territory, Australia. *Water Research* 16, 605–612.
- Hart BT, Douglas GB, Beckett R, Van Put A & Van Grieken R 1993. Characterization of colloidal and particulate matter transported by the Magela Creek system, northern Australia. *Hydrological Processes* 7, 105–118.
- Hart BT & Jones MJ 1984. *Oxidation of manganese (II) in Island Billabong water*. Technical memorandum 10, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Hart BT & Jones MJ 1984a. Measurement of trace metal complexing capacity of Magela Creek waters. In *Complexation of trace metals in natural waters* eds CJM Kramer & JC Duinker, Martinus Nijhoff/Dr W Junk Publishers, The Hague.
- Hart BT & Jones MJ 1984b. Oxidation of manganese (II) in Island Billabong water. *Environmental Technology Letters* 6, 87–92.
- Hart BT & Jones MJ 1984c. Oxidation of manganese (II) in Island Billabong water. Water Studies Centre Tech. Report 26. Chisholm Institute of Technology, Melbourne.
- Hart BT, Jones MJ & Bek P 1982. Fate of trace metals in the Magela Creek system, northern Australia: Experiments with plastic enclosures placed in Island Billabong during the 1980 Dry season: Trace Metals. Chisholme Institute of Technology. Water Studies Centre Technical Report No. 23.
- Hart BT, Jones MJ & Bek P 1985. *Fate of heavy metals in the Magela Creek system, northern Australia: I Experiments with plastic enclosures placed in Island Billabong during the 1980 Dry season—heavy metals*. Technical memorandum 13, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Hart BT, Jones MJ & Bek P 1985a. *Use of plastic enclosures in determining the effects of heavy metals added to Gulungul Billabong*. Technical memorandum 12, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Hart BT, Jones MJ & Breen P 1983a. *In situ* experiments to determine the uptake of copper by the aquatic macrophyte *Najas tenuifolia*. *Environmental Technology Letters* 4, 217–222.
- Hart BT, Jones MJ & Breen P 1984. *In situ experiments to determine the uptake of copper by the aquatic macrophyte* *Najas tenuifolia* R. Br. Technical memorandum 11, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.

- Hart BT, Jones MJ, Bek P & Currey NA 1983b. Behaviour of trace metals added to billabongs. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 69. Supervising Scientist for the Alligator Rivers Region.
- Hart BT, Jones MJ, Bek P & Kessell J 1982. Experiments with plastic enclosures placed in Island Billabong during the 1980 Dry season: Limnology and phytoplankton. Chisholm Institute of Technology, Water Studies Centre. Technical Report No. 20.
- Hart BT, Jones MJ, Bek P & Kessell J 1985. *Fate of heavy metals in the Magela Creek system, northern Australia: II Experiments with plastic enclosures placed in Island Billabong during the 1980 Dry season—Limnology and phytoplankton*. Technical memorandum 14, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Hart BT & McGregor RJ 1980. Flocculation of retention pond water. Caulfield Institute of Technology. Water Studies Centre Technical Report No. 16, Chisholm Institute of Technology Printing Services, Victoria.
- Hart BT & McGregor RJ 1980. Limnological survey of eight billabongs in the Magela Creek catchment, Northern Territory. *Australian Journal of Marine and Freshwater Research* 31, 611–626.
- Hart BT & McGregor RJ 1982. *Flocculation of retention pond water*. Technical memorandum 5, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Hart BT & McGregor RJ 1982. *Water quality characteristics of eight billabongs in the Magela Creek catchment*. Research report 2, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Hart BT, Noller BN, leGras C & Currey N 1992. Manganese speciation in Magela Creek, northern Australia. *Australian Journal of Marine and Freshwater Research* 43, 421–441.
- Hart BT, Ottaway EM, Beckett R & Noller BN 1986. Materials transport in the Magela Creek system 1982/83 Wet season. Water Studies Centre Tech. Report 27. Chisholm Institute of Technology Printing Services, Victoria.
- Hart BT, Ottaway EM & Noller BN 1986. Nutrient and trace metal fluxes in the Magela Creek system, northern Australia. *Ecological Modelling* 31, 247–265.
- Hart BT, Ottaway EM & Noller BN 1987a. Magela Creek system, northern Australia. I. 1982–83 Wet season water quality. *Australian Journal of Marine and Freshwater Research* 38(6), 261–268.
- Hart BT, Ottaway EM & Noller BN 1987b. Magela Creek system, northern Australia. II: Material budget for the flood plain. *Australian Journal of Marine and Freshwater Research* 38(6), 861–876.
- Haylen ME 1983. Potential for long-term disposal of uranium tailings in the Ranger tailings dam. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 91. Supervising Scientist for the Alligator Rivers Region.
- Hespe ED 1983a. Regulation of uranium mining in the Alligator Rivers Region. In *Proceedings of Australian Water and Wastewater Association Specialised Conference: Water regime in relation to mining, milling and waste treatment including rehabilitation with emphasis on uranium mining*, Australian Water and Wastewater Association 4–9 September 1993 Darwin, paper no. 1 p10.

- Hespe ED 1983b. Regulation of uranium mining in the Alligator Rivers Region. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 2. Supervising Scientist for the Alligator Rivers Region.
- Hespe ED 1983c. On the quantitative assessment of impact. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 84. Supervising Scientist for the Alligator Rivers Region.
- Holdway DA (in press). Mining and tropical freshwater environments: Laboratory studies. Australian Institute of Biology Special Publications. *Proceedings of the Joint Australian Institute of Biology (ANZAAS) Symposium on Aquatic Toxicology in Australia*.
- Holdway D 1990. The concept of pre-release biological toxicity testing and its application in the Alligator Rivers Region. In *Proceedings of the Workshop on Biological Toxicity Testing as a Regulatory Mechanism* 4–6 September 1989, eds RA McGill & KA Malatt, Department of Mines and Energy, Darwin, 65–74.
- Holdway D 1990. Uranium toxicity to two species of Australian tropical fish. In *Proceedings of 2nd International Conference on trace Metals in the Aquatic Environment*, July 8–14, 1990, Sydney p 68.
- Holdway DA 1991. Control of metal pollution in tropical rivers in Australian. In *Pollution in tropical aquatic systems*, eds DW Connell & DW Hawker, CRC Press, Boca Raton, 231–246.
- Holdway DA 1991. Mining and tropical freshwater environment, *Australian Biologist*, 4(5), 228–236.
- Holdway DA 1992. Uranium mining in relation to toxicological impacts on inland waters, *Ecotoxicology* 1, 75–88.
- Holdway DA 1992. Uranium toxicity to two species of Australian tropical fish. *The Science of the Total Environment*. Elsevier Science Publishers, Amsterdam 125, 137–158.
- Holdway DA & Brown VM 1988. Biological testing of Ranger uranium mine waste-water: 1988 results. 27th Congress of Australian Society of Limnology, Townsville, 13–15 May. *ASL Newsletter* 26(2), 34.
- Holdway DA & Brown VM 1989. Biological testing. *Australian Science Mag*, Issue 2, 30.
- Holdway DA & Dixon DG 1988. Acute toxicity of permethrin or glyphosate pulse exposure to larval white sucker (*Catostomus commersoni*) and juvenile flagfish (*Jordanella floridae*) as modified by age and ration level. *Environmental Toxicology Chemistry* 7, 63–68.
- Holdway DA, Kempe EJ & Dixon DG 1987. Acute toxicity of methoxychlor to larval white sucker (*Catostomus commersoni*) as modified by age, food availability and egg pre-exposure. *Canadian Journal Fish Aquatic Science* 44, 227–232.
- Hollis GE & Finlayson CM 1996. Ecological change in Mediterranean wetlands. In *Monitoring Mediterranean Wetlands: A methodological guide*, ed P Tomas Vives, MedWet, Publication, Wetlands International, Slimbridge UK and ICN Lisbon, 5–24.
- Horwitz P, Davis J & Finlayson CM (eds) (in press). Protocols for monitoring wetlands of the Swan Coastal Plain, Western Australia, Waterways Commission, Perth, Australia.
- Houston DL & Shine R 1993. Sexual dimorphism and niche divergence: feeding habits of the Arafura filesnake. *Journal of Animal Ecology* 62, 737–749.

- Houston D & Shine R 1994. Low growth rates and delayed maturation in Arafura filesnakes (Serpentes: Acrochordidae) in tropical Australia, *Copeia* 726–731.
- Houston D & Shine R 1994. Movements and activity patterns of Arafura filesnakes (Serpentes: Acrochordidae) in tropical Australia. *Herpetologica* 50, 349–357.
- Houston D & Shine R 1994. Population demography of Arafura filesnakes (Serpentes: Acrochordidae) in tropical Australia. *Journal of Herpetology* 28, 273–280.
- Humphrey CL 1989. Biological monitoring and environmental assessment. *Australian Science Mag* Issue 2, 28.
- Humphrey CL 1990. In field biological verification: use of biological monitoring in the assessment of the impact of mining wastes on aquatic ecosystems of the ARR. In *Proceedings of the Workshop on Biological Toxicity Testing as a Regulatory Mechanism*, eds RA McGill & KA Malatt, 4–6 September 1989. Department of Mines and Energy, Darwin, 75–80.
- Humphrey CL 1993. Developing a biological monitoring program to assess the impact of mining in northern Australia. Paper presented to the SETAC (Society of Environmental Toxicology and Chemistry) 1st Global Meeting, Lisbon 28–31 March 1993.
- Humphrey CL 1994. Baseline requirements for biological monitoring programs used to assess mining impact. In *The Proceedings of the Australasian Institute of Mining and Metallurgy, Australian mining looks north: Challenges and choices*, Darwin 5–9 August 1994, 429–436.
- Humphrey CL 1994. The constancy of benthic macroinvertebrate communities in the upper South Alligator River (NT): Implications for the prediction and detection of environmental change. National River Health Program, Monitoring River Health Initiative: 1st River Bioassessment Workshop, 23–24 May 1994, Canberra ACT.
- Humphrey CL 1995. *Reproduction in the freshwater mussel Velesunio angasi in response to the release of water from Ranger uranium mine to Magela Creek*. Technical memorandum 49, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Humphrey CL 1995. Temporal variability of macroinvertebrate communities in Australian streams: implications for the prediction and detection of environmental change. National River Health Program, Monitoring River Health Initiative: 2nd River Bioassessment Workshop, 23–24 May 1995, Canberra ACT.
- Humphrey CL 1996. Baseline monitoring in Kakadu National Park, Northern Territory, Australia. The Society for Environmental Toxicology and Chemistry (SETAC), 7th Annual Meeting, Environmental Monitoring and Assessment, UK Branch, University of Stirling, 9–11 September 1996.
- Humphrey CL 1996. Temporal variability of macroinvertebrate communities in Australian streams: (Implications for the prediction and detection of environmental change.) Third River Bioassessment Workshop for the Monitoring River Health Initiative, 22–24 October 1996, Canberra.
- Humphrey C 1997. Temporal variability of macroinvertebrate communities in Australian streams: Implications for the prediction and detection of environmental change. Final Report to Land and Water Resources Research and Development Corporation (Reference No. ARR1). December 1997.

- Humphrey CL, Bishop KA & Brown VM 1990. Use of biological monitoring in the assessment of effects of mining wastes on aquatic ecosystems of the Alligator Rivers Region, tropical northern Australia. *Environmental Monitoring and Assessment* 14, 139–181.
- Humphrey C & Doig L 1997. Benthic macroinvertebrate communities in riffle substrates of streams in the Northern Territory, 1994–1995: Temporal variability and implications for MRHI model development. In *Temporal variability of macroinvertebrate communities in Australian streams: Implications for the prediction and detection of environmental change*, ed CL Humphrey. Final Report to Land and Water Resources Research and Development Corporation (Reference No. ARR1), December 1997.
- Humphrey CL & Dostine P 1994. Development of biological monitoring programs to detect mining waste impacts upon aquatic ecosystems of the Alligator Rivers Region, Northern Territory, Australia. *Proceedings of Conservation and Management of tropical inland waters: Problems, solutions and prospects*, Conference. University of Hong Kong. *Mitteilungen Internationalis Vereinigung Limnologiae* 24, 293–314.
- Humphrey CL, Dostine PL, Pidgeon RWJ, Brown VM, Johnston A & Faith DP (in press). Biological monitoring of freshwater ecosystems in tropical northern Australia. Specialist Workshop to Assess the ARRI Biological Monitoring Program, 24 September 1993, University of Canberra, ACT. Organised by the Office of the Supervising Scientist.
- Humphrey CL, Faith DP & Dostine PL 1995. Baseline requirements for assessment of mining impact using biological monitoring. In *The use of biota to assess water quality*, *Australian Journal of Ecology* 20, 150–166.
- Humphrey CL & Pidgeon RWJ 1995. Some considerations and requirements for monitoring and assessment programmes for freshwater ecosystems of northern Australia. In *Proceedings of Wetland research in the wet-dry tropics of Australia*, Supervising Scientist for the Alligator Rivers Region, 22–24 March 1995, Jabiru NT, 235–241.
- Humphrey C, Storey A & Doig L 1997. Degree of temporal variability of macroinvertebrate communities in Australian streams. In *Temporal variability of macroinvertebrate communities in Australian streams: Implications for the prediction and detection of environmental change*, ed CL Humphrey. Final Report to Land and Water Resources Research and Development Corporation (Reference No. ARR1), December 1997.
- Humphrey CL, Storey A & Thurtell L 1996. Development and implementation of QA/QC protocols for sample processing components of the MRHI agency bioassessment program. Third River Bioassessment Workshop for the Monitoring River Health Initiative, 22–24 October 1996, Canberra.
- Humphrey CL, Storey A & Thurtell L 1997. Proposed revisions to MRHI sample processing protocols based on results of the external QA/QC program. First National Assessment Coordination Meeting, 4–5 February 1997, Canberra.
- Humphrey CL, Storey AW & Thurtell L 1997. Development and implementation of QA/QC protocols for sample processing components of the MRHI agency bioassessment program. Final Report to Land and Water Resources Research and Development Corporation (Reference No. ARR2), December 1997.
- Humphrey CL, Storey AW & Thurtell L (Submitted). AUSRIVAS: Operator sample processing errors and temporal variability: implications for model sensitivity. *Proceedings of International RIVPACS Workshop, 16–18 September 1995, Jesus College, Oxford*. Organised and funded by Institute of Freshwater Ecology and

Environment Agency (UK) and the Land and Water Resources Research and Development Corporation (Australia).

Humphrey C, Templeman S, Camilleri C & Klessa D 1997. *Evaluation of rehabilitation options for Mount Lyell using whole-effluent toxicological tests on freshwater organisms*. Mount Lyell Remediation Research and Demonstration Program. Supervising Scientist Report 122, Supervising Scientist, Canberra.

Humphrey C & Thurtell L 1997. External QA/QC of MRHI agency subsampling and sorting procedures. In *Development and implementation of QA/QC protocols for sample processing components of the MRHI agency bioassessment program*, eds C Humphrey, A Storey & L Thurtell, Final Report to Land and Water Resources Research and Development Corporation (Reference No. ARR2), December 1997.

Hyne RV 1990. Approach to the identification and removal of the toxic compound in Retention Pond 4 at Ranger uranium mine. In *Proceedings of the Workshop on Biological toxicity testing as a regulatory mechanism*, eds RA McGill & KA Malatt, 4–6 September 1989. Department of Mines and Energy, Darwin, 81–86.

Hyne RV, Padovan A, Parry DL & Renaud SM 1993. Increased fecundity of the Cladoceran, *Moinodaphnia Macleayi* on a diet supplemented with a green alga and its use in toxicity tests. *Australian Journal of Marine and Freshwater Research* 44, 389–99.

Hyne RV, Rippon GD & Ellender G 1992. Investigation of uranium-induced toxicity in freshwater hydra. *Ecotoxicology of metals in invertebrates*, Lewis Publishers, 149–174.

Hyne RV, Rippon GD & Ellender G 1992. pH-Dependent uranium toxicity to freshwater hydra, *The Science to the Total Environment*, Elsevier Science Publishers, Amsterdam 125, 159–173.

Hyne RV, Rippon GD, Hunt SM & Brown GH 1996. *Procedures for the biological toxicity testing of mine waste waters using freshwater organisms*. Supervising Scientist Report 110, Supervising Scientist, Canberra.

Hyne RV, Rippon GD, White J & Ellender G 1992. Accumulation of uranium by freshwater hydra into discharged nematocysts, *Aquatic Toxicology*, Elsevier Science Publishers, Amsterdam 23(3–4), 231–246.

Ivantsoff W, Crowley LELM & Allen GR 1987. Descriptions of three new species and one subspecies of freshwater hardyhead (Pisces: Atherinidae: *Craterocephalus*) from Australia. *Records of the Western Australian Museum* 13(2), 171–188.

Ivantsoff W, Crowley LELM, Howe E & Semple G 1988. *Biology and early development of eight fish species from the Alligator Rivers Region*. Technical memorandum 22, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.

James CD, Morton SR, Braithwaite RW & Wombey JC 1984. *Dietary pathways through lizards of the Alligator Rivers Region, Northern Territory*. Technical memorandum 6, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.

Jeffree RA 1983a. Radium-226 studies in the freshwater mussel, *Velesunio angasi*. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 79. Supervising Scientist for the Alligator Rivers Region.

- Jeffree RA 1983b. The freshwater mussel, *Velesunio angasi*, as an indicator of Ra-226 water pollution in the Alligator Rivers Region, Northern Territory. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 80. Supervising Scientist for the Alligator Rivers Region.
- Jeffree RA 1985b. The accumulation of Ra-226 by populations of the freshwater mussel, *Velesunio angasi*, from the Alligator Rivers Uranium Province, Northern Territory, Australia. *Mitteilungen Internationalis Vereinigung Limnologiae* 22, 2486–2492.
- Jeffree RA 1988a. Experimental comparison of radium-226 and calcium-45 kinetics in the freshwater mussel, *Velesunio angasi*. *Mitteilungen Internationalis Vereinigung Limnologiae* 23, 2193–2201.
- Jeffree RA 1988b. Patterns of accumulation of alkaline-earth metals in the tissue of the freshwater mussel *Velesunio angasi* (Sowerby). *Archives fur Hydrobiologie* 112, 67–90.
- Jeffree RA 1990. Biological monitoring of radium-226 water pollution. In *Environmental behaviour of radium*, Section 7.5. IAEA Technical Report 310. International Atomic Energy Agency, Vienna.
- Jeffree RA 1991. An experimental study of ^{226}Ra and ^{45}Ca accumulation from the aquatic medium by freshwater turtles (Fam. Chelidae) under varying Ca and Mg water concentrations. *Hydrobiologia* 218, 205–233.
- Jeffree RA 1991. Radiological studies at ANSTO. Environmental Radioactivity Workshop, 2–6 September 1991, Tahiti.
- Jeffree RA 1992. A radiological approach to problems of bioaccumulation. In *Proceedings of a bioaccumulation Workshop. Assessment of the distribution, impacts and bioaccumulation of contaminants in aquatic environments*, ed AG Miskiewicz, Water Board and AMSA Sydney, 225–233.
- Jeffree RA & Brown PL 1992. A mechanistic and predictive model of metal accumulation by the tissue of the Australian freshwater mussel *Velesunio angasi*, *The Science of the Total Environment*, Elsevier Science Publishers, Amsterdam 125, 85–95.
- Jeffree RA & Davy DR 1984. The transfer of Ra-226 via mussels to man in the Alligator Rivers Uranium Province, Northern Territory, Australia. In *Proceedings of a Seminar on the Environmental transfer to man of radionuclides released from nuclear installations*, 17–21 October, 1983, Brussels, Belgium. International Atomic Energy Agency, Vienna.
- Jeffree RA & Jones MK 1992. Accumulation of radiocalcium from the aquatic medium via the coeca and buccopharynx of Australian freshwater turtles (Chelidae). *Comparative Biochemistry and Physiology* 102A(1), 85–91.
- Jeffree RA & Simpson RD 1984. Radium-226 is accumulated in calcium granules in the tissues of the freshwater mussel, *Velesunio angasi*: Support for a metabolic analogue hypothesis? *Comparative Biochemistry and Physiology* 79A(1), 61–72.
- Jeffree RA & Simpson RD 1986. An experimental study of the uptake and loss of Ra-226 by the tissue of the tropical freshwater mussel *Velesunio angasi* (Sowerby) under varying Ca and Mg water concentrations. *Hydrobiologia* 9, 59–80.
- Johnston A 1987. *Radiation exposure of members of the public resulting from operations of the Ranger uranium mine*. Technical memorandum 20, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.

- Johnston A 1989. Atmospheric dispersion of radioactivity. *Australian Science Mag*, Issue 2, 37.
- Johnston A 1989. Protection of Aboriginal diet. *Australian Science Mag*, Issue 2, 35.
- Johnston A 1990. Examples of dose assessment: Australia. In *The environmental behaviour of radium*, Vol. 2. Technical Reports Series No. 310, IAEA, Vienna.
- Johnston A 1991. Water management in the Alligator Rivers Region: A research view. In *Proceedings of the 29th Congress of the Australian Society of Limnology*, Jabiru NT 1990, Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra, 10–34.
- Johnston A 1992. Future information needs. In *Proceedings of the Workshop on Land application of effluent water from uranium mines in the Alligator Rivers Region*. Jabiru 11–13 September 1991. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra, 349–354.
- Johnston A & Martin P 1996. *Rapid analysis of ^{226}Ra in mine waters by gamma-ray spectrometry*. Supervising Scientist Report 103, Supervising Scientist, Canberra.
- Johnston A & Martin P 1996. Rapid analysis of radium-226 in waters by gamma-ray spectrometry. 4th Biennial Workshop of the South Pacific Environmental Radioactivity Association, Darwin, 17–19 June 1996.
- Johnston A & Martin P 1997. Rapid analysis of ^{226}Ra in waters by γ -ray spectrometry. *Applied Radiation and Isotopes*, 48(5), 631–638.
- Johnston A & Murray AS 1983. The fate of radionuclides in the environment. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 76. Supervising Scientist for the Alligator Rivers Region.
- Johnston A, Murray AS, Marten R & Martin P 1988. The transport and deposition of radionuclides discharged into creek waters from the Ranger uranium mine. In *Proceedings of the 7th Annual Congress of the International Radiation Protection Association*, 652–663.
- Johnston J, Newman S & Needham S 1996. *The rehabilitation of derelict mining infrastructure along the Strahan foreshore, western Tasmania*. Mount Lyell Remediation Research and Demonstration Program. Supervising Scientist Report 114, Supervising Scientist, Canberra.
- Joint Committee of Public Accounts 1992. Commonwealth support for private sector investment in research and development: Volume 2 of a Report on Research and Development, Report 324. The Parliament of the Commonwealth of Australia, Joint Committee of Public Accounts.
- Joint Committee of Public Accounts 1992. Public sector research and development: Volume 1 of a Report on Research and Development, Report 318. The Parliament of the Commonwealth of Australia, Joint Committee of Public Accounts.
- Jones MJ & Hart BT 1983. Measurement of trace metal complexing capacity of Magela Creek waters. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 70. Supervising Scientist for the Alligator Rivers Region.

- Jones MJ & Hart BT 1989. Copper complexing capacity in fresh-waters using the catechol-cathodic stripping voltammetric method. In *Chemical speciation and bioavailability* 1(2), 59–63.
- Julli ME 1986. *The taxonomy and seasonal population dynamics of some Magela Creek flood plain microcrustaceans (Cladocera and Copepoda)*. Technical memorandum 18, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Kirk JTO & Tyler PA 1986. The absorption and scattering properties, and their relationship to the underwater light field, in certain freshwater bodies of tropical Australia. *Freshwater Biology* 16, 573–583.
- Klessa D, Hunt C, leGras C & Brennan K 1996. Effects of soil storage on soil properties and seed bank at Nabarlek mine. *Proceedings of the International Symposium on Environmental Chemistry and Toxicology*, Sydney 14–18 July, RACI/SECT, p 23.
- Klessa DA, Koehnken L & Johnston JF 1997. *Estimation of water quality over time within the Queen and King Rivers*. Mount Lyell Remediation Research and Demonstration Program. Supervising Scientist Report 121, Supervising Scientist, Canberra.
- Knerr NJA, Finlayson CM, Brock MA & Bruhl JJ 1996. Seed bank dynamics of the Magela floodplain in Kakadu National Park. Intecol V Internal Wetlands Conference, Perth 22–28 September 96, p64.
- Koehnken L 1997. *Final report*. Mount Lyell Remediation Research and Demonstration Program. Supervising Scientist Report 126, Supervising Scientist, Canberra.
- Kvasnicka J, McNally P, McKay T, Allison H & Bywater J 1985. Pre-mining variation of alpha activity intake in shells of freshwater mussels. *Bulletin of the Australian Radiation Protection Society* 3(2), 85–87.
- Legislative Assembly for the Northern Territory 1992. Sessional Committee on the Environment: Transcript of Public Hearing, Jabiru, 10 June 1992. NT Legislative Assembly.
- leGras CAA 1991. The simultaneous determination of anions and divalent cations using ion chromatography and EDTA. In *Abstracts of eleventh Australian Symposium on Analytical Chemistry*. Royal Australian Chemical Institute, Hobart, Tasmania. Internal report 52, Supervising Scientist for the Alligator Rivers Region.
- leGras CAA 1993. The simultaneous determination of anions and divalent cations using ion chromatography with Ethylenediaminetetraacetic acid as eluent. *The Analyst* 118, 1035–1041.
- leGras C & Andrew A 1996. Surface expression of tailings solutes in the catchment of Coonjimba Creek, Northern Territory, Australia. *Proceedings of the International Symposium on Environmental Chemistry and Toxicology*, Sydney 14–18 July, RACI/SECT, p10.
- leGras C, Akber R, Andrew A & Riley G 1993. Redox transformations of sulphur in Ranger waste rock and its receptor water bodies, and the role of sulphur-isotope measurements. In *Proceedings of the Symposium on the Management and rehabilitation of waste rock dumps*. Darwin 7–8 October 1993. Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra, 94–102.

- leGras C, Klessa D, Hunt C, Ryan B & Cusbert P 1995. The determination of Linear p-Alkylbenzenesulphonate surfactants in fresh water. In *Proceedings of 13th Australian Symposium on Analytical Chemistry—Initiatives in quality solutions and 4th Environmental Chemistry Conference—Chemistry in tropical and temperate environments* 9–14 July 95 Darwin NT, A019–1–A019–2.
- leGras CAA & Noller BN 1989. *The determination of zinc in Magela Creek water*. Technical memorandum 24, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- leGras CAA & Noller BN 1991. *The determination of low concentrations of sodium, potassium, magnesium, calcium and strontium in natural waters by graphite furnace AAS*. Technical memorandum 35, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- leGras CAA, Noller BN & Hart BT 1986. Manganese speciation in natural and artificial water bodies in the Alligator Rivers Region. In *Abstracts of the 25th Congress of Australian Society for Limnology*. Australian Society for Limnology, Lorne, Victoria, 9–12 May 1986.
- leGras C, Paulka S, Akber R & Martin P 1993. Vertical gradients in the pore-water composition of Ranger uranium mine tailings. In *Proceedings of the 12th Analytical Chemistry Symposium and 3rd Environmental Chemistry Conference*, Royal Australian Chemical Institute, 26 September–1 October 1993, Perth.
- leGras C, Speers A & Klessa D 1996. The fate of uranium in Magela Creek, Northern Territory, Australia. *Proceedings of the International Symposium on Environmental Chemistry and Toxicology*, Sydney 14–18 July, RACI/SECT, p14.
- Ling HU & Tyler PA 1983. *A limnological survey of the Alligator Rivers Region. Volume II Freshwater algae, exclusive of diatoms*. Research report 3 (ii), Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Ling HU & Tyler PA 1985. *Amscottia gulungulana* spec. nov. (Desmidiaceae) from tropical Australia. *British Phycology Journal* 20, 335–339.
- Ling HU & Tyler PA 1995. The *Staurostrum tohopekaligense* species cluster. *Algological studies* 76, ed E Schweizerbart'sche Verlagsbuchhandlung, D-70176 Stuttgart.
- Locher H 1997. *Sediment transport in the King River, Tasmania*. Mount Lyell Remediation Research and Demonstration Program. Supervising Scientist Report 120, Supervising Scientist, Canberra.
- Maher W, leGras C & Wade A 1997. Sampling and analysis of water: Meeting the objectives of the Australian Water Quality Guidelines. *Water*, Journal Australian Water and Wastewater Association, Vol 24/1, 21–24.
- Malajczuk N, Reddell P & Brundrett M 1994. Role of ectomycorrhizal fungi in minesite reclamation. In *Mycorrhiza and plant health*, eds FL Pfleger & RG Linderman, *American Phytopathological Society*, St Paul, Minnesota, 83–100.
- Malden JS, Ashwath N & Longnecker N 1994. The effect of magnesium sulphate on the germination of a selection of plant species native to Kakadu National Park. In *Proceedings of the National Workshop on native seed biology for revegetation*, Perth WA, 24–26 August 94 123–124.
- Marchant R 1982a. *The macroinvertebrates of Magela Creek, Northern Territory*. Research report 1, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.

- Marchant R 1982b. Life spans of two species of tropical mayfly nymph (*Ephemeroptera*) from Magela Creek, Northern Territory. *Australian Journal of Marine and Freshwater Research* 33, 173–179.
- Marchant R 1982c. Seasonal variation in the macroinvertebrate fauna of billabongs along Magela Creek, Northern Territory. *Australian Journal of Marine and Freshwater Research* 33, 329–342.
- Markich SJ 1995. Behavioural responses of the tropical freshwater bivalve *Velesunio angasi* exposed to uranium. In *Proceedings of Wetland research in the wet-dry tropics of Australia*, 22–24 March 1995, Supervising Scientist for the Alligator Rivers Region, Jabiru NT, 247–257.
- Markich SJ, Brown PL, Batley GE, Apte SC & Stauber JL 1997. Incorporating metal speciation and bioavailability into guidelines for fresh and marine waters in Australia and New Zealand. ANSTO C/503. Australian Nuclear Science and Technology Organisation, Lucas Heights, 36pp. Report submitted to *eriss*.
- Markich S & Camilleri C 1995. Toxicity of uranium and copper to freshwater life in tropical Australia. In *Proceedings of the 20th Annual Environmental Workshop: Managing environmental impacts—Policy & Practice*, Darwin 2–26 October 1995 Minerals Council of Australia, 362–363.
- Markich S & Camilleri C 1996. Toxicity of uranium and copper to freshwater life in tropical Australia. *Intersect 96*, International Symposium on Environmental Chemistry and Toxicology, Sydney 14–18 July 1996, Abstract 025.
- Markich SJ & Camilleri C 1996. Towards validation of the ANZECC water quality guidelines for the protection of aquatic ecosystems: Investigation of metal toxicity to tropical biota. Report to ANZECC by *eriss* and ANSTO. June 1996.
- Markich SJ & Camilleri C 1997. *Investigation of metal toxicity to tropical biota: Recommendations for revision of the Australian water quality guidelines*. Supervising Scientist Report 127, Supervising Scientist, Canberra.
- Markich SJ, Camilleri C & Baird DJ 1995. Comparative toxicity of metals to freshwater life in tropical Australia. Platform presentation. Second SETAC World Congress. Global environmental protection: Science, politics and common sense. Vancouver, Canada, 5–9 November 1995.
- Marten R 1992. External gamma dose rate survey of the Ranger uranium mine land application plot. In *Proceedings of the Workshop on Land application of effluent water from uranium mines in the Alligator Rivers Region*, Jabiru 11–13 September 1991. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra 252–266.
- Marten R 1995. *Quality assurance for low level gamma spectroscopy using HPGe-detectors* In Part 1. Technical memorandum 47, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra 1–10.
- Martin P & Akber RA (in press). Radiological aspects of the rehabilitation of contaminated sites: An overview. Specialist Workshop: Radiological aspects of the rehabilitation of contaminated sites, Darwin, 20–22 June 1996.
- Martin P & Akber RA 1995. *Radium isotopes as seepage indicators in the vicinity of a uranium tailings dam* In Part 1. Technical memorandum 47, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra 39–51.

- Martin P & Akber RA 1996. *Groundwater seepage from the Ranger uranium mine tailings dam: Radioisotopes of radium, thorium and actinium*. Supervising Scientist Report 106, Supervising Scientist, Canberra.
- Martin P & Akber RA 1998. Radiological aspects of the rehabilitation of contaminated sites: An overview. In *Radiological aspects of the rehabilitation of contaminated sites*, eds RA Akber & P Martin, Workshop Darwin/Jabiru 20–22 June 1996, 1–14.
- Martin P, Akber R & Waggitt P 1997. A radiological survey on Christmas Island, Indian Ocean. *4th International Conference on Methods and Applications of Radioanalytical Chemistry*, April 1997, Hawaii.
- Martin P & Hancock G 1992. *Routine analysis of naturally occurring radionuclides in environmental samples by alpha-particle spectrometry*. Research report 7, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Martin P, Hancock GJ, Johnston A & Murray AS 1995. *Bioaccumulation of radionuclides in traditional Aboriginal foods from the Magela and Cooper Creek systems*. Research report 11, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Martin P, Hancock GJ, Johnston A & Murray AS 1998. Natural-series radionuclides in traditional north Australian Aboriginal foods. *Journal of Environmental Radioactivity* 40, 37–58.
- Martin P, Hancock GJ, Paulka S & Akber RA 1995. Determination of ^{227}Ac by alpha-particle spectrometry. *Applied Radiation and Isotopes* 46, 1065–1070.
- Martin P & Pettersson HBL 1984. Flux of radionuclides in the Magela Creek in the 1983/84 Wet season. *Chemistry in the Wet-Dry Tropics*, Royal Australian Chemical Institute conference, Darwin July 1984.
- Martin P, Pettersson H & Hancock G 1985. Measurement of uranium and thorium series radionuclides by alpha spectrometry. In *Proceedings of a Workshop on the Measurement of long-lived environmental radionuclides*. Supervising Scientist for the Alligator Rivers Region 118–133.
- Martin P & Qureshi H 1996. The origin of radium-226 in groundwaters of the Daly Basin. 4th Biennial Workshop of the South Pacific Environmental Radioactivity Association, Darwin, 17–19 June 1996.
- McAlpine K 1996. ANZECC Water Quality Guidelines and the MRHI. 3rd River Bioassessment Workshop of the National Monitoring River Health Initiative, Canberra 22–24 October.
- McAlpine K & Thomas A 1997. Ambient Water Quality Guidelines for fresh and marine waters. National Water Quality Management Strategy, 17th Federal Convention of the Australian Water and Wastewater Association, Melbourne 16–20 March.
- McBride P 1983. The structure and seasonal variation of diatom communities in the Mudginberri corridor. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 31. Supervising Scientist for the Alligator Rivers Region.
- McBride P 1988. Preparing random distributions of diatom valves on microscope slides. *Limnology & Oceanography* 33, 1627–29.

- McBride P 1992. Ecological effects occurring outside the land application sites. In *Proceedings of the Workshop on Land application of effluent water from uranium mines in the Alligator Rivers Region*, Jabiru 11–13 September 1991. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra 316–328.
- McBride P 1992. Fate of solutes applied to land application areas. In *Proceedings of the Workshop on Land application of effluent water from uranium mines in the Alligator Rivers Region*, Jabiru 11–13 September 1991. Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra 166–180.
- McBride P 1995. Can ecologically sustainable development (ESD) help the Magela wetlands? In *Proceedings of Wetland research in the wet-dry tropics of Australia*, Supervising Scientist for the Alligator Rivers Region, 22–24 March 1995, Jabiru NT 141–145.
- McBride P, Cannon KJ & Carter MW 1990. Proposed methods for the regulation of RRZ water release at Ranger: A draft authorisation. In *Proceedings of the Workshop on Biological toxicity testing as a regulatory mechanism*, 4–6 September 1989, eds RA McGill & KA Malatt, Department of Mines and Energy, Darwin.
- McBride P & Johnston J 1996. Remediating 100 years of environmental damage at Mt Lyell Copper Mine, west Tasmania. *Intersect 96*, International Symposium on Environmental Chemistry and Toxicology, Sydney 14–18 July 1996, Abstract 020.
- McBride TP & Noller BN 1995. Sampling techniques for reliable determination of trace metals in macrophytes and periphyton. *Australian Journal of Marine and Freshwater Research* 46, 1047–1053.
- McGill A 1983. Reassessment of extreme rainfall events in the Alligator Rivers Region. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 88. Supervising Scientist for the Alligator Rivers Region.
- McIntyre WD, Plummer JA & Ashwath N 1994. Kakadu National Park: Seeds for rehabilitation. In *Proceedings of the National Workshop on Native seed biology for revegetation*, Perth 24–26 August 94, p129.
- McQuade C 1994. Close-out the risk of too much water. 4th Large open pit conference, *The Australasian Institute of Mining and Metallurgy*, 5–9 September 94 Perth WA. Publication series 6/96, 35–38.
- McQuade CV 1992. Hydrology of Ranger land application area. In *Proceedings of the Workshop on Land application of effluent water from uranium mines in the Alligator Rivers Region*, Jabiru 11–13 September 1991. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra 70–78.
- McQuade CV, Arthur JT & Butterworth IJ 1996. Climate and hydrology. In *Landscapes and vegetation ecology of the Kakadu Region, northern Australia* eds CM Finlayson & I von Oertzen, *Geobotany* 23, Kluwer Academic Publishers, Dordrecht, The Netherlands 17–36.
- McQuade CV, Gilles ADS & Lee AH 1992. Mine water resource management systems. The Australasian Institute of Mining and Metallurgy. Third Large Open Pit Mine Conference, Mackay 30 August–2 September 1992, *Australasian Institute of Mining and Metallurgy*.
- McQuade CV, Gilles ADS & Lee AH 1993. Uncertainty in modelling water resource management system for mines. Environmental Management, Geo-water and Engineering aspects, eds Chowdhury & Sivakumar, Balkema, Rotterdam, ISBN 90 54100990.

- McQuade CV & House T 1995. A means of daily communication on Australian mine environmental management issues. *The Australasian Institute of Mining and Metallurgy, Bulletin* 3, 24–25.
- McQuade CV, Johnston JF & Innes SM 1995. *Review of historical literature and data on the sources and quality of effluent from the Mount Lyell lease site*. Supervising Scientist Report 104, Supervising Scientist, Canberra.
- McQuade CV, Lee AH & Gilles ADS 1991. Rainfall analysis for mine water management system design and operation. 4th International Mine Water Congress, Ljubljana, Slovenia, Yugoslavia, September 1991.
- Miedecke J 1996. *Remediation options to reduce acid drainage from historical mining operations at Mount Lyell, western Tasmania*. Mount Lyell Remediation Research and Demonstration Program. Supervising Scientist Report 108, Supervising Scientist, Canberra.
- Miedecke J, Miller S, Gowen M, Ritchie I, Johnston J & McBride P 1997. Remediation options (including copper recovery by SX/EW) to reduce acid drainage from historical mining operations at Mount Lyell, Western Tasmania, Australia. In *Proceedings of the Fourth International Conference on Acid Rock Drainage*, Vancouver BC Canada, 31 May–6 June 1997, Vol 4. 1451.
- Morton SR 1986. The breeding season of *Sminthopsis virginiae* (Marsupialia: Dasyuridae) in the Northern Territory. *Australian Mammalogy* 10, 41–42.
- Morton SR & Brennan KG 1983. Birds of wetlands and riparian forests in the Alligator Rivers Region. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 42. Supervising Scientist for the Alligator Rivers Region.
- Morton SR & Brennan KG 1991. Birds. In *Australian monsoonal lowlands: Ecology and man*, eds CD Haynes, MG Ridpath & AJ Williams, AA Balkema, Rotterdam. Morton SR, Brennan KG & Armstrong MD 1990. Distribution and abundance of ducks in the Alligator Rivers Region, NT. *Australian Wildlife Research* 17, 573–590.
- Morton SR, Brennan KG & Armstrong MD 1990. Distribution and abundance of magpie geese, (*Anseranas semipalmata*) in the Alligator Rivers Region, NT *Australian Journal of Ecology* 15, 307–320.
- Morton SR, Brennan KG & Armstrong MD 1993. Distribution and abundance of herons, egrets, ibises and spoonbills in the Alligator Rivers Region, NT. *Wildlife Research* 20, 23–43.
- Murray AS, Johnston A, Marten R & Martin P 1987. Analysis for naturally occurring radionuclides at environmental levels by gamma spectrometry. *Journal of Radioanalytical and Nuclear Chemistry Articles* 115(2), 263–288.
- Murray AS, Johnston A, Martin P, Hancock G, Marten R & Pfitzner J 1993. Transport of naturally occurring radionuclides by a seasonal tropical river, northern Australia. *Journal of Hydrology* 150, 19–39.
- Murray AS & Marten R 1985a. Routine analysis for naturally occurring radionuclides at environmental levels by gamma spectroscopy. In *Proceedings of a Workshop on the Measurement of long-lived environmental radionuclides*. Supervising Scientist for the Alligator Rivers Region 1–11.

- Murray AS & Marten R 1985b. High resolution ion chamber—Potential for alpha spectroscopy without nuclide separation. In *Proceedings of a Workshop on the Measurement of long-lived environmental radionuclides*. Supervising Scientist for the Alligator Rivers Region 176–189.
- Murray AS, Pfitzner J & Wong W 1985. Gross alpha counting of environmental waters as a research tool. In *Proceedings of a Workshop on the Measurement of long-lived environmental radionuclides*. Supervising Scientist for the Alligator Rivers Region 104–117.
- Murray A, Wohl E & East J 1992. Thermoluminescence and excess ^{226}Ra decay dating of late quaternary fluvial sands, East Alligator River, Australia. *Quaternary Research* 37, 29–41.
- Nanson GC, East TJ & Roberts RG 1993. Quaternary stratigraphy, geochronology and evolution of the Magela Creek catchment in the monsoon tropics of northern Australia. *Sedimentary Geology* 83, 227–302.
- Neboiss A 1989. The *Oecetis reticulata* species-group from the south-west Pacific area (Trichoptera: Leptoceridae). *Bijdragen tot de Dierkunde* 59, 191–202.
- Neboiss A 1990. The family Psychomyiidae (Trichoptera) re-established in Australia. *Memoirs of the Museum of Victoria* 51, 83–86.
- Needham S 1995. Best practice environmental management in mining. In *Proceedings of the Managing environmental impacts: Policy & Practice*, 20th Annual Environmental Workshop, Darwin 2–26 October 1995. Minerals Council of Australia, 184–190.
- Needham S 1995. Beyond Regulation. 15th Annual Meeting of the International Association for Impact Assessment, Durban, South Africa, 26–30 June 1995.
- Needham S & Jones W 1995. Addressing a century of mining impact: Assessing environmental impacts and developing solutions at the Mt Lyell Copper Mine Tasmania. 15th Annual Meeting of the International Association for Impact Assessment, Durban, South Africa, 26–30 June 1995.
- Noller BN 1983. Establishing an analytical program to measure heavy metals in biota. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 71. Supervising Scientist for the Alligator Rivers Region.
- Noller BN 1983. Physico-chemical aspects of natural fish kills on the Magela Creek system. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 61. Supervising Scientist for the Alligator Rivers Region.
- Noller BN 1983. The physico-chemical nature of rainwater in the Magela and Nourlangie Creek ecosystems. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 22. Supervising Scientist for the Alligator Rivers Region.
- Noller BN 1988. Fate of chemicals in water release from Ranger. In *Proceedings of the Environmental Workshop—1988, Darwin, Volume II*. Australian Mining Industry Council, Canberra.
- Noller BN 1989. Fate of chemicals in water release from Ranger. *Australian Science Mag* Issue 2, 38.

- Noller BN 1993. Source resolution of tropical rainwater by principal factor analysis. *Clean Air* Vol 21(2), 79–84.
- Noller BN & Butler DI 1985. An auto-standby switch for the Perkin-Elmer Model 5000 Atomic Absorption Spectrometer. *Atomic Spectroscopy* 6(6), 156.
- Noller BN & Currey NA 1983. Environmental significance of copper, lead, manganese, uranium and zinc speciation in the event of contaminated waters release from the Ranger uranium mining complex. In *Proceedings of the Australian Water and Wastewater Association Specialised Conference on Water regime in relation to mining, milling and waste treatment including rehabilitation with emphasis on uranium mining*. Darwin, 4–9 September 1983, 5.1–5.23
- Noller BN & Currey NA 1986. Ammonium ion determination in a range of waters by cation exchange ion chromatography. In *Proceedings of the Conference on Chemistry in Occupational Hygiene and the Environment*, Darwin 7–11 July 96, p 61.
- Noller BN & Currey NA 1990. The evaluation of ammonium ion determination in waters by cation exchange ion chromatography over wide dynamic concentration ranges. *Water Research* 24, 471–6.
- Noller BN, Currey NA, Ayers GP & Gillett RW 1986. Naturally acidic rainwater at a site in northern Australia. In *Proceedings of Seventh World Clean Air Congress* ed HF Hartmann 5, 189–190.
- Noller BN, Currey NA, Ayers GP & Gillett RW 1990. Chemical composition and acidity of rainfall in the Alligator Rivers Region NT. Australia. *Science of the Total Environment* 91, 23–48.
- Noller BN, Currey NA, Cusbert PJ, Tuor M, Bradley P & Harrison A 1983. Temporal variability in atmospheric nutrient flux to the Magela and Nourlangie Creek systems, Northern Territory. In *Proceedings of the Ecological Society of Australia Symposium: Wet-Dry Tropics*, Darwin, 14–17 May.
- Noller BN, Currey NA, Hart BT & Jones M 1985. Manganese redox behaviour and natural release of heavy metals in a tropical floodplain waterbody. In *Proceedings of the 5th International Conference on Heavy metals in the environment*, Athens, Greece, 24–27 September, 113–115.
- Noller BN, Currey NA, leGras CAA & Harrison A 1986. Metal inputs from rainwater at the Alligator Rivers Region, northern Australia. In *Proceedings of Seventh World Clean Air Congress*, ed HF Hartmann, Vol. 5, 318–319.
- Noller BN & Cusbert PJ 1984. The source and mobilization of aluminium in natural fish kills, Magela Creek, Northern Territory, Australia. (Abstract). In *Asian Chemical Conference on Priorities in Chemistry in Development in Asia (Priochem Asia)*, Kuala Lumpur, 26–31 March 1984, Abstract 16.
- Noller BN & Cusbert PJ 1985. Mobilisation of aluminium from a tropical flood plain and its role in natural fish kills: a conceptual model. In *Proceedings of the 5th International Conference on heavy metals in the environment*, Athens, Greece, 24–27 September, 700–702.
- Noller BN, Cusbert PJ, Currey NA, Bradley PH & Tuor M 1985. Analytical scheme for speciation of aluminium in natural waters. *Environmental Technology Letters* 6, 381–390.

- Noller BN & Hart BT 1993. Uranium in sediments from the Magela Creek catchment, Northern Territory, Australia. *Environmental Technology* 14, 649–656.
- Noller BN & leGras CAA 1986. High accuracy determination of zinc in Magela Creek. In *Proceedings of the Conference on Chemistry in Occupational Hygiene and the Environment*. Darwin 7–11 July 86, p 62.
- Noller BN, McBride TP, Hunt CW & Hart BT 1989. *A study of the reproducibility of water conditions between small enclosures and a tropical waterbody*. Technical memorandum 28, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Norris RH, Hart BT, Finlayson M & Norris KR (eds) 1995. Use of biota to assess water quality. *Australian Journal of Ecology* 20, p227.
- Nowak B & Duda S 1996. *Effects of exposure to sublethal levels of copper on growth and health of sea farmed rainbow trout*. Mount Lyell Remediation Research and Demonstration Program. Supervising Scientist Report 117, Supervising Scientist, Canberra.
- O'Connor NA, Cannon F, Zampatti B, Cottingham P & Reid M 1996. *A pilot biological survey of Macquarie Harbour, western Tasmania*. Mount Lyell Remediation Research and Demonstration Program. Supervising Scientist Report 113, Supervising Scientist, Canberra.
- O'Connor R, Humphrey CL, Lynch CM, Dostine PL & Spiers AG 1996. A survey of aquatic macroinvertebrates in lentic waterbodies of Magela and Nourlangie Creek catchments, Alligator Rivers Region, NT. 35th Annual Congress, Australian Society of Limnology, 30 September–2 October 1996, Berri, South Australia.
- O'Neill T, Moffatt I & Waggitt P 1993. GIS and environmental management. *CSIRO Space Industry News* No. 48 October 92, 8–10.
- Office of the Supervising Scientist (in press). *Proceedings of the Workshop on Biological monitoring of freshwater ecosystems in tropical northern Australia*. 21–24 September 1993, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Office of the Supervising Scientist (n.d.). Alligator Rivers Region Workshops: Summary of discussions and recommendations, 1. Baseline studies in the Alligator Rivers Region (held at Jabiru 21–25 August 1978), 2. Uranium mining and milling radiological workshop (held at Lucas Heights 27–29 June 1979), 3. Aquatic biology in the Alligator Rivers Region (held at Jabiru 3–7 December 1979). Supervising Scientist for the Alligator Rivers Region, Sydney.
- Office of the Supervising Scientist (n.d.). Review of the Office of the Supervising Scientist for the Alligator Rivers Region. Volume 1–General.
- Office of the Supervising Scientist 1978. Supervising Scientist for the Alligator Rivers Region Annual Report. AGPS, Canberra.
- Office of the Supervising Scientist 1979. Supervising Scientist for the Alligator Rivers Region Annual Report (1978–79). AGPS, Canberra.
- Office of the Supervising Scientist 1980. Supervising Scientist for the Alligator Rivers Region Annual Report (1979–80). AGPS, Canberra.
- Office of the Supervising Scientist 1981a. Supervising Scientist for the Alligator Rivers Region Annual Report (1980–81). AGPS, Canberra.

- Office of the Supervising Scientist 1981b. Report on the unauthorised release of water at Nabarlek on 7th March 1981. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra.
- Office of the Supervising Scientist 1982a. Submission to Australian Science and Technology Council (ASTEC). Supervising Scientist for the Alligator Rivers Region.
- Office of the Supervising Scientist 1982b. Supervising Scientist for the Alligator Rivers Region Annual Report (1981–82). AGPS, Canberra.
- Office of the Supervising Scientist 1983. Interdepartmental Committee on the location of Australian Government Employment. In *The Proposed relocation to the Northern Territory of the Sydney office of the Supervising Scientist for the Alligator Rivers Region*.
- Office of the Supervising Scientist 1983a. *Proceedings of the Scientific Workshop on Environmental Protection in the Alligator Rivers Region*, Jabiru, 17–20 May 1983, Volumes 1 & 2. Supervising Scientist for the Alligator Rivers Region, Sydney.
- Office of the Supervising Scientist 1983b. *Report on: Radiation safety standards, practices and procedures for uranium mill product drying and packing operations conducted by ERA Ltd, at Jabiru, Northern Territory*. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra.
- Office of the Supervising Scientist 1983c. Supervising Scientist for the Alligator Rivers Region Annual Report (1982–83). AGPS, Canberra.
- Office of the Supervising Scientist 1984. Supervising Scientist for the Alligator Rivers Region Annual Report (1983–84). AGPS, Canberra.
- Office of the Supervising Scientist 1985a. *Proceedings of a Workshop on Measurement of long-lived environmental radionuclides*, Sydney, 29 April–1 May 1985. Supervising Scientist for the Alligator Rivers Region and Australian Radiation Laboratory.
- Office of the Supervising Scientist 1985b. Supervising Scientist for the Alligator Rivers Region Annual Report (1984–85). AGPS, Canberra.
- Office of the Supervising Scientist 1986c. Supervising Scientist for the Alligator Rivers Region Annual Report (1985–86). AGPS, Canberra.
- Office of the Supervising Scientist 1987. Supervising Scientist for the Alligator Rivers Region Annual Report (1986–87). AGPS, Canberra.
- Office of the Supervising Scientist 1988. Supervising Scientist for the Alligator Rivers Region Annual Report (1987–88). AGPS, Canberra.
- Office of the Supervising Scientist 1989a. Protecting our environment. *Australian Science Mag*, Issue 2, 17–47.
- Office of the Supervising Scientist 1989b. Supervising Scientist for the Alligator Rivers Region Annual Report (1988–89). AGPS, Canberra.
- Office of the Supervising Scientist 1989c. Review of the Office of the Supervising Scientist for the Alligator Rivers Region. Volume 2. Alligator Rivers Region Research Institute. Review of Research 1978–1989.
- Office of the Supervising Scientist 1990a. Industrial Commission Inquiry into Mining and Minerals Processing. Volume 1. March 1990.

- Office of the Supervising Scientist 1990b. Industrial Commission Inquiry into Mining and Minerals Processing. Volume 2. May 1990.
- Office of the Supervising Scientist 1990c. Resource Assessment Commission Inquiry into the Use of the Resources of the Kakadu Conservation Zone.
- Office of the Supervising Scientist 1990d. Supervising Scientist for the Alligator Rivers Region Annual Report (1989–90). AGPS, Canberra.
- Office of the Supervising Scientist 1991. Supervising Scientist for the Alligator Rivers Region Annual Report (1990–91). AGPS, Canberra.
- Office of the Supervising Scientist 1992. *Proceedings of the GIS and Environmental Rehabilitation Workshop* 4–5 Sept 92, eds C Devonport, S Riley & S Ringrose, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Office of the Supervising Scientist 1992. *Proceedings of the Workshop on Land application of effluent water from uranium mines in the Alligator River Region*, Jabiru, 11–13 Sept 93. Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Office of the Supervising Scientist 1992. Supervising Scientist for the Alligator Rivers Region: Annual report 1992–93. AGPS, Canberra.
- Office of the Supervising Scientist 1992. Technical information papers to the CCARR meeting 26 September 1992.
- Office of the Supervising Scientist 1992a. Supervising Scientist for the Alligator Rivers Region Annual Report (1991–92). AGPS, Canberra.
- Office of the Supervising Scientist 1992b. NT Legislative Assembly Sessional Committee on the Environment.
- Office of the Supervising Scientist 1993. Technical information papers to the CCARR meeting 9 March 1993.
- Office of the Supervising Scientist/ACMRR 1997. OSS/ACMRR Study on acid mine drainage in Australia. *Mining & Environment Research Network*, Research Bulletin, 1997 Special Edition, 11 & 12.
- OSS six monthly report to the CCARR (April 1992–September 1992).
- OSS six monthly report to the CCARR (October 1991–March 1992).
- Ottaway EM & Hart BT 1983. An analysis of Australian aquatic science research 1977–82 based on publications in the *Australian Journal of Marine and Freshwater Research*, Search 14 (9–10), 269–271.
- Outridge PM 1986. Possible causes of high species diversity in tropical Australian freshwater macrobenthic communities. *Hydrobiologia* 150, 95–107.
- Outridge PM 1988. Seasonal and spatial variations in benthic macroinvertebrate communities of Magela Creek, Northern Territory. *Australian Journal of Marine and Freshwater Research* 39, 211–23.
- Padovan A 1992. *Isolation and culture of five species of freshwater algae from the Alligator Rivers Region, Northern Territory*. Technical memorandum 37, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.

- Paltridge RM, Dostine PL, Humphrey CL & Boulton AJ 1997. Macroinvertebrate recolonization after re-wetting of a tropical seasonally-flowing stream (Magela Creek, Northern Territory, Australia). *Marine and Freshwater Research* 48, 633–645.
- Panter HC (n.d.). Radiation effects of the amphibian *Limnodynastes tasmaniensis*. Paper No 67. Australian Atomic Energy Commission, Lucas Heights NSW, Unpublished report.
- Panter HC 1986. Variations in radiosensitivity during development of the frog *Limnodynastes tasmaniensis*, *The Journal of Experimental Zoology* 238, 193–199.
- Pettersson HBL 1990. Dispersion of long-lived radionuclides from uranium mining, milling and fuel fabrication facilities: environmental studies and radiological assessment. Department of Radiation Physics, University of Lund, Sweden. Doctoral thesis, ISBN 91 628 0130 9.
- Pettersson HBL, Hancock G, Johnston A & Murray AS 1993. Uptake of uranium and thorium series radionuclides by the waterlily, *Nymphaea violacea*. *Journal of Environmental Radioactivity* 19, 85–108.
- Pettersson HBL & Koperski J 1988. Radiation protection practice. In *Proceedings of the Seventh International Congress of the International Radiation Protection Association*. IRPA, 1335–1338.
- Pettersson HBL & Koperski J 1991. Investigation of aerial dispersion of radioactive dust from an open-pit uranium mine by means of passive vinyl collectors. *Health Physics* 60(5), 681–690.
- Phinn SR, Hess L & Finlayson CM 1998. An assessment of remote sensing for monitoring and inventorying wetland environments in Australia. Report prepared for the National Wetlands Program, *eriss*, Jabiru, 52pp. In review.
- Pickup G, Wasson RJ, Warner RF, Tongway D & Clark RL 1987. A feasibility study of geomorphic research for the long term management of uranium mill tailings. CSIRO, Institute of Natural Resources and Environment, Division of Water Resources Research, Divisional Report 87/2.
- Pidgeon R & Bishop KA 1992. The use of fish migration for environmental monitoring in the Alligator Rivers Region, NT. Australian Society for Limnology 31st Congress, Bronte Tasmania, 24–27 April 1992. (Poster presentation)
- Pidgeon RWJ & Humphrey CL 1994. Design and analysis of biological monitoring programs used to assess mining impact in tropical northern Australia. 5th International Conference on environmetrics, Burlington, Ontario, Canada, 12–15 August 94.
- Pidgeon RWJ & Humphrey CL 1995. The ecology of freshwater ecosystems in the ARR. In *Proceedings of Wetland research in the wet-dry tropics of Australia*, 22–24 March 1995, Supervising Scientist for the Alligator Rivers Region, Jabiru NT, 56–63.
- Pidgeon R, Martin K, Boyden J & Bailey P 1995. Monitoring the effects of land application of mine waste water on a small seasonal stream near Nabarlek uranium mine (NT) using fish community structure. 34 Annual Congress Australian Society for Limnology, Jenolan Caves, NSW 17–20 September 95.
- Pirzl H & Coughanowr C 1998. *State of the Tamar Estuary*. Supervising Scientist Report 128, Supervising Scientist, Canberra.

- Qureshi H & Martin P 1996. *An assessment of the source of naturally occurring high concentrations of radium in groundwater of the Daly Basin*. Power and Water Authority Report No 73/1996D.
- Rea N & Storrs MJ (in press). Preventing weed invasions in wetlands Australia's Top End. *Journal of Wetlands Ecology and Management*, Kluwer Academic Publishers, Dordrecht, The Netherlands.
- Recher HR & Holmes RT 1982. *The foraging behaviour of herons and egrets on the Magela Creek flood plain, Northern Territory*. Technical memorandum 4, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Riley GH 1983. Research function of the Supervising Scientist in the Alligator Rivers Region. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 4. Supervising Scientist for the Alligator Rivers Region.
- Riley GH 1986. Opportunities for Post-Graduate research in the Northern Territory. In *Northern Studies: A Report of a Workshop organised by the NT University Planning Authority*, held in Darwin, October 1984.
- Riley GH 1989. Environmental protection in the Alligator Rivers Region. *Australian Science Mag*, Issue 2, 19.
- Riley GH 1989. Kakadu Mining Inc. In *Proceedings of the 11th North Australian Mine Rehabilitation Workshop. Environmental planning in multiple land Use Areas*, Department of Mines and Energy, Darwin, 111–121.
- Riley GH 1991. Panel Report: Keynote speakers. In *Proceedings of the 29th Congress of the Australian Society of Limnology*, Jabiru NT 1990, Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra, 124–126.
- Riley GH 1992. Land application of disposal of excess water: An overview. In *Proceedings of the Workshop on Land application of effluent water from uranium mines in the Alligator Rivers Region*. Supervising Scientist for the Alligator Rivers Region. AGPS, Canberra, 14–22.
- Riley SJ (in press). *Characteristics of rainfall at Jabiru: Basic information for hydrogeomorphic modelling*. Supervising Scientist Report, Supervising Scientist, Canberra.
- Riley SJ (in press). *Hydrogeomorphic modelling of rehabilitated landforms, Ranger uranium mine: Introduction and research strategy*. Supervising Scientist Report, Supervising Scientist, Canberra.
- Riley SJ (in press). *Small scale studies of the erodibility of Ranger waste rock dump*. Supervising Scientist Report, Supervising Scientist, Canberra.
- Riley SJ 1992. Sediment depletion in rills and gullies and its impact on the stability of engineered landforms, Ranger uranium mine, Northern Territory, Australia. In *27th International Geographical Congress*, Washington, DC 9–14 August 92. Technical program abstracts. Washington, 1992, 533.
- Riley SJ 1992. The role of geographic information systems in the Office of the Supervising Scientist. In *Proceedings of the GIS and Environmental Rehabilitation Workshop*, ed CC Devonport, 4–5 September 1992. Supervising Scientist for the Alligator Rivers Region, 92–99.

- Riley SJ 1994. Approaches to estimating the erosion stability of the Nabarlek tailings pit cover. In *The Proceedings of the Australasian Institute of Mining and Metallurgy, Australian Mining looks north: Challenges and choices*, Darwin 5–9 August 1994, 415–421.
- Riley SJ 1994. Mine rehabilitation: Can we know the future and do we want to know it? A geomorphological perspective. Annual Conference of the Institute of Australian Geographers 25–29 September 1994, Magnetic Island Queensland, Abstract.
- Riley SJ 1994. Modelling hydrogeomorphic processes to assess the stability of rehabilitated landforms, Ranger uranium mine, Northern Territory Australia: A research strategy. *Process Models and Theoretical Geomorphology*, ed MJ Kirkby, John Wiley & Sons Ltd, 357–388.
- Riley SJ 1995. Aspects of the differences in the erodibility of the waste rock dump and natural surfaces, Ranger uranium mine, Northern Territory, Australia. *Applied Geography* 15:4, 309–323.
- Riley SJ 1995. Geomorphic estimates of the stability of a uranium mill tailings containment cover: Nabarlek Northern Territory Australian, *Journal of Land Degradation and Rehabilitation* 6, 1–16.
- Riley SJ 1995. Issues in assessing the long-term stability of engineered landforms at Ranger uranium mine, Northern Territory, Australia. In *Journal & Proceedings Royal Society of New South Wales* 128, 67–78.
- Riley SJ 1995. Mine rehabilitation: Can we know the future? A geomorphological perspective from Australia. *Physical Geography* 16:5, 402–418.
- Riley SJ, Devonport C, Waggitt PW, Burrough PA, Milne AK & Skidmore AK (eds) 1994. Proceedings of the ARRGIS 93 Workshop 12–13 August 1993, Jabiru, NT. Internal report 139, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Riley SJ, Devonport C, Waggitt PW & Fitzpatrick B (eds) 1993. *NARGIS 93: Proceedings of the North Australian Remote Sensing and Geographic Information Systems Forum*. Darwin 9–11 August 1993, Supervising Scientist for the Alligator Rivers Region and the Australasian Urban and Regional Information Systems Association Inc (Monograph no 8), AGPS, Canberra.
- Riley SJ & East TJ 1990. *Investigation of the erosional stability of waste rock dumps under simulated rainfall: a proposal*. Technical memorandum 31, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Riley SJ & Erskine WD 1994. Human impacts on the hydrologic regime of NSW rivers. Geomorphology and River Health Conference Macquarie University 7 October 94.
- Riley SJ & Evans KG 1994. Comparison of the results of monitoring and rainfall simulation experiments on large scale plots. Institute of Australian Geographers Conference 25–29 September 1994.
- Riley SJ & Gardiner B 1991. Characteristics of slope wash erosion on the waste rock dump, Ranger uranium mine, Northern Territory. In *International Hydrology and Water Resources Symposium: National Conference Publication 91/92*, Institution of Engineering Australia, 295–300.
- Riley SJ & Hancock F (in press). *Rainfall uniformity under natural and simulated rainfall*. Supervising Scientist Report, Supervising Scientist, Canberra.

- Riley SJ, Hancock F, Gardiner B, Waythe S & Goss H 1995. Role of vegetation in mine rehabilitation in the Top End of the Northern Territory: Results of experiments at Ranger uranium mine. In *Managing environmental impacts—Policy & Practice*, Proceedings of the 20th Annual Environmental Workshop, Darwin 2–26 October 1995 Minerals Council. 285–299.
- Riley SJ, Hancock F & Ryan B (in press). *Design and calibration of the SRHMOSS rainfall simulator*. Supervising Scientist Report, Supervising Scientist, Canberra.
- Riley SJ, Rich J & Uren C (in press). *Geochemical analysis of rock and soil samples in the Alligator Rivers Region: The analogue study*. Supervising Scientist Report, Supervising Scientist, Canberra.
- Riley SJ, Rippon GD, Evans KG, Selkirk J & Saynor MJ 1997. Micro-basins of slopes in Arnhem Land, Northern Territory, Australia: Characteristics and development. *Singapore Journal of Tropical Geography*. Department of Geography, National University of Singapore, Vol 18(2), 163–74.
- Riley SJ & Waggitt PW 1992. The potential fate of particulate contaminants from the rehabilitated Ranger uranium mine, In Water resources planning and management: saving a threatened resource: In search of solutions, ed M Karmouz, *Proceedings of the Water Resources Sessions at Water Forum '92*. New York, American Society of Civil Engineers, 1992, 884–889.
- Riley SJ, Waggitt PW & McQuade C (eds) 1993. Proceedings of the Symposium on the Management and rehabilitation of waste rock dumps. Darwin 7–8 October 1993, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Riley SJ & William DK 1993. Thresholds of gullying, Arnhem Land, Northern Territory, Australia. *Malaysian Journal of Tropical Geography* 22(2), 133–144.
- Ring RJ, Levins DM & Cooper MB 1985. Leaching of heavy metals and radionuclides from uranium tailings. In *Proceedings of Chemeca 1985: 13th Australian Chemical Engineering Conference*, Perth, 25–28 August.
- Rippon G 1995. The role of biological toxicity tests in assessing mining impacts in northern Australia. In *Proceedings of the First Australasian Ecotoxicology Conference* 23–24 June 94, Sydney, p4.
- Rippon GD & Chapman JC 1993. *Laboratory procedures for assessing effects of chemicals on aquatic animals*. Technical memorandum 42, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Rippon GD & Chapman JC 1993. Laboratory procedures for assessing effects of chemicals on aquatic animals. In *Proceedings of the Ecotoxicology Specialist Workshop on Minimising the impact of pesticides on the riverine environment, using the cotton industry as a model*, ed JC Chapman, 1–2 March 93. Myall Vale Research Station Wee Waa, NSW, Land & Water Resources Research and Development Corporation, Occasional Paper No 07/93: 40–52.
- Rippon GD & Hyne RV 1992. Purple spotted gudgeon: Its use as a standard test animal in tropical northern Australia, *Bulletin of Environmental Contamination and Toxicology* 49, 471–476.

- Rippon GD, Hyne RV & Hunt SM 1994. The application of biological toxicity tests to assess environmental impact of mining in northern Australia. In *Proceedings of the Conference on Environmental Toxicology*, SE Asia. Solatiga, Indonesia. Published by Vrije Universiteit Press Amsterdam, 243–250.
- Rippon GD, leGras CAA, Hyne RV & Cusbert PJ 1992. *Toxic effects of cyanide on aquatic animals of the Alligator Rivers Region*. Technical memorandum 39, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Rippon GD & Riley SJ 1996. Environmental impact assessment of tailings dispersal from a uranium mine using toxicity testing protocols. *Water Resources Bulletin* 32(6), 1167–1175.
- Roback SS 1982. The Tanypodinae (Diptera: Chironomidae) of Australia, II. In *Proceedings of the Academy of Natural Sciences of Philadelphia* 134, 80–112.
- Roberts RG, Uren CJ & Murray AS 1993. *Thermoluminescence dating techniques at the Alligator Rivers Region Research Institute*. Technical memorandum 41, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Sadler RA 1990. *The terrestrial and semiaquatic reptiles (Lacertilia, Serpentes) of the Magela Creek region, Northern Territory*. Technical memorandum 32, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Sadler R, Wombey JC & Braithwaite RW 1985. *Ctenotus kurnbudj* and *Ctenotus gagudju*, two new lizards (Scincidae) from the Alligator Rivers Region of the Northern Territory. *The Beagle, Occasional Papers of the Northern Territory Museum of Arts and Sciences* 2(1), 95–103.
- Saynor MJ, Bull A, Hall R, Walden DJ, Eliot I, Spiers AG and Finlayson CM 1998. Major components of the coastal monitoring program in the Alligator Rivers Region. In Spiers AG & Finlayson CM (eds). *An Information Base for Wetland Management, research and Education*. Supervising Scientist Report, Supervising Scientist Group, Canberra. (in press)
- Semple G 1985. Reproductive behaviour and development of the glass perchlet, *Ambassis agrammus* Gunther (Pisces: Ambassidae), from the Alligator Rivers system, Northern Territory. *Australian Journal of Marine and Freshwater Research* 36, 797–805.
- Shine R 1983. Ecology of aquatic and semi-aquatic reptiles in the Alligator Rivers Region. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 41. Supervising Scientist for the Alligator Rivers Region.
- Shine R 1986. *Diets and abundances of aquatic and semi-aquatic reptiles in Alligator Rivers Region*. Technical memorandum 16, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Shine R 1986a. Sexual differences in morphology and niche utilisation in an aquatic snake (*Acrochordus arafurae*), *Oecologia* 69, 260–267.
- Shine R 1986b. Predation upon filesnakes (Acrochordidae) by Aboriginal hunters: Selectivity with respect to size, sex and reproductive condition. *Copeia* 1, 238–239.
- Shine R 1986c. Ecology of a low-energy specialist: Food habits and reproductive biology of the Arafura filesnake (Acrochordidae). *Copeia* 1986(2), 424–437.

- Shine R 1986d. Food habits, habitats and reproductive biology of four sympatric species of varanid lizards in tropical Australia. *Herpetologica* 42, 346–360.
- Shine R & Lambeck R 1985. A radiotelemetric study of movements, thermoregulation and habitat utilization of Arafura filesnakes (Serpentine: Acrocordidae). *Herpetologica* 41(3), 351–361.
- Simpson RD, Humphrey CL & Allison HE 1983. The biology, ecology and metal contents of the freshwater mussel, *Velesunio angasi*, in Magela Creek and other waterbodies, near mining ventures in the Alligator Rivers Region. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 36. Supervising Scientist for the Alligator Rivers Region.
- Skidmore JF 1982. Recent overseas developments in aquatic toxicology. *Water* 9(4), 12–14.
- Skidmore JF 1986. Toxicity of copper to selected Australian freshwater animals. In *Water Quality Management, Freshwater Ecotoxicity in Australia*, ed BT Hart, Chisholm Institute of Technology, Caulfield, Victoria, 41–52.
- Skidmore JF, Crowley LE, Everard L, Firth IC & Neely H 1988. Chronic sensitivity of selected Australia freshwater animals to copper. AWRC Research Project 80/142. AWRC.
- Skidmore JF & Firth IC 1983a. Acute sensitivity of Australian freshwater animals to copper and zinc. AWRC Technical Report 81, 124. AWRC.
- Skidmore JF & Firth IC 1983b. Prediction of the toxicity of heavy metals to Australian aquatic animals. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 63. Supervising Scientist for the Alligator Rivers Region.
- Skidmore JF & Firth IC 1984. Prediction of the toxicity of copper to Australian freshwater animals. In *Freshwater biological monitoring*, eds D Pascol & RW Edwards, Pergamon Press, Oxford, 93–102.
- Skidmore JF & Williams NJ 1983. Rapporteurs' summary on session 9, Environmental effects: Natural and induced. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*. Supervising Scientist for the Alligator Rivers Region.
- Smith DI, Young PC & Goldberg RJ 1986. *Use of fluorometric dye tracing to simulate dispersion of discharge from a mine site: A study of the Magela Creek system, March 1978*. Technical memorandum 15, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Smith M & Cranston P 1995. Recovery of an acid mine-waste impacted tropical stream: The chironomid story. In *Chironomids, from genes to ecosystems*, the 12th International Conference on Chironomidae, 161–173.
- Spiers AG & Finlayson CM (eds) 1998. An information base for wetland management, research and education. Supervising Scientist Report, Supervising Scientist Group, Canberra. (in press)
- Spiers AG & Finlayson CM 1998. An assessment of the extent of wetland inventory data held in Australia. Unpublished report to Environment Australia, National Wetland Program.
- Spiers AG & Finlayson CM. 1998. Wetlands of the wet-dry tropics. Erissnote, Supervising Scientist Group, Jabiru, Australia. (in press)

- Stauber JL 1997. Establishment of an axenic culture of tropical green alga *Chlorella* sp. CSIRO Investigation report prepared for the Environmental Research Institute of the Supervising Scientist. CSIRO Division of Coal and Energy Technology, Lucas Heights, NSW.
- Stockwell DR, Bentley KW & Kerr CB 1986. *In vitro* dissolution characteristics of uranium oxides. *Radiation Effects* 97, 91–100.
- Stockwell DR, Bentley KW & Kerr CB 1991. *In vitro* dissolution of uranium mill products by the batch replacement method. Technical memorandum 33, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Storey AW & Humphrey CL 1997. Further refinement of QA/QC acceptance criteria for MRHI sorting procedures: additional analyses based on UPGMA within to between group dissimilarities. In *Development and implementation of QA/QC protocols for sample processing components of the MRHI agency bioassessment program* by C Humphrey, A Storey & L Thurtell, Final Report to Land and Water Resources Research and Development Corporation (Reference No. ARR2), December 1997.
- Storrs MJ & Finlayson M 1997. *Overview of the conservation status of wetlands of the Northern Territory*. Supervising Scientist Report 116, Supervising Scientist, Canberra.
- Storrs MJ, Kenyon A & Lonsdale WM 1997. Strategic weed management for the Aboriginal lands of the Top End. Proceedings of the Eleventh Australian Weed Society Conference ed RCH Shepherd, Weed Science Society of Victoria, Frankston, Victoria, 402–407.
- Story R, Galloway RW, Aldrick JM, Williams MAJ, Adams LG, Byrnes N & Lazarides M 1973. Alligator Rivers Region environmental fact-finding study: physical features and vegetation, Volumes I & II. Supervising Scientist for the Alligator Rivers Region.
- Supervising Scientist for the Alligator Rivers Region 1993. *Supervising Scientist for the Alligator Rivers Region Annual Report (1992–93)*. AGPS, Canberra.
- Supervising Scientist for the Alligator Rivers Region 1994. *Supervising Scientist for the Alligator Rivers Region Annual Report (1993–94)*. AGPS, Canberra.
- Supervising Scientist for the Alligator Rivers Region 1995. *Supervising Scientist for the Alligator Rivers Region Annual Report (1994–95)*. AGPS, Canberra.
- Supervising Scientist for the Alligator Rivers Region 1996. *Supervising Scientist for the Alligator Rivers Region Annual Report (1995–96)*. AGPS, Canberra.
- Suter PJ 1993. *Wundacaenis*, a new genus of caenidae (Insecta: Ephemeroptera) from Australia. *Invertebrate Taxonomy* 7, 787–803.
- Swarbrick JT, Finlayson CM & Cauldwell AJ 1995. *Hydrilla verticillata* (L.f.) Royle. In *The biology of Australian weeds*, eds D Pascol & RW Edwards, RG & FJ Richardson, Melbourne 137–147.
- Talman S, O'Connor N, Zampatti B & Cannon F 1996. *Monitoring of benthic invertebrates in Macquarie Harbour, western Tasmania*. Mount Lyell Remediation Research and Demonstration Program. Supervising Scientist Report 115, Supervising Scientist, Canberra.
- Taylor GH 1989. Review of the Office of the Supervising Scientist. AGPS, Canberra.
- Taylor JR, Weaver TR, McPhail DC & Murphy NC 1996. *Characterisation and impact assessment of mine tailings in the King River system and delta, western Tasmania*. Supervising Scientist Report 105, Supervising Scientist, Canberra.

- Teasdale P, Apte S, Batley G & Ford P 1996. *The behaviour of copper in sediments and waters of Macquarie Harbour, western Tasmania*. Mount Lyell Remediation Research and Demonstration Program. Supervising Scientist Report 111, Supervising Scientist, Canberra.
- Thomas DP 1983. *A limnological survey of the Alligator Rivers Region. Volume I Diatoms (Bacillariophyceae) of the region*. Research report 3 (i), Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Thomas PA, Davies SHR & Hart BT 1981. *Transport of trace metals in the Magela Creek system, Northern Territory: III Billabong sediments*. Technical memorandum 3, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Thomas PA & Hart BT 1984. *Textural characteristics and heavy metal concentrations in billabong sediments from the Magela Creek system, northern Australia*. Technical memorandum 9, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Thurtell L, O'Connor R & Humphrey CL 1996. The applicability of lotic rapid biological assessment techniques to estimate macroinvertebrate community structure in lentic wetlands. Intecol V Internal Wetlands Conference, Perth 22–28 September 96, 105–106.
- Todd R & Akber RA 1998. Thoron flux from a monazite sample as a function of moisture content and sample depth. In *SPERA96: Radioactivity in the Environment*. South Pacific Environmental Radioactivity Association.
- Twining J 1989. Principal co-ordinate analysis of the distribution of radium-226 between water sediments and the water lily *Nymphaea violacea* (Lehm) in the vicinity of a uranium mine in Northern Territory, Australia. *Journal of Environmental Radioactivity* 10, 99–113.
- Twining JR 1983. A new flask for solvent extraction of radon 222 from aqueous solution for radium 226 analysis by α/β liquid scintillation counting. In *Environment protection in the Alligator Rivers Region*, Paper 82. Office of the Supervising Scientist, Jabiru.
- Twining JR 1988b. Radium accumulation from water by foliage of the waterlily, *Nymphaea violacea*. *Verhandlungen-Internationale Vereinigung fur Theoretische und Angewandte Limnologie*, 23, 1954–1962.
- Tyler MJ 1983. Natural pollution monitors. *Australian Natural History* 21(1), 31–33.
- Tyler MJ 1989. *Australian frogs*. Viking O'Neil, Melbourne.
- Tyler MJ & Crook GA 1987. *Frogs of the Magela Creek system*. Technical memorandum 19, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Tyler MJ, Crook GA & Davies M 1983. Reproductive biology of the frogs of the Magela Creek system, Northern Territory. *Records of the South Australian Museum* 18(18), 415–440.
- Tyler MJ, Davies M & Martin AA 1981a. Australian frogs of the leptodactylid genus *Uperoleia*. *Australian Journal of Zoology*, Supplementary no. 79, 1–64.
- Tyler MJ, Davies M & Martin AA 1981b. Frog fauna of the Northern Territory: New distributional records and the description of a new species. *Transactions of the Royal Society of South Australia* 105(3), 149–154.
- Tyler MJ, Martin AA & Davies M 1979. Biology and systematics of a new limnodynastine genus (Anura: Leptodactylidae) from north-western Australia, *Australian Journal of Zoology* 27, 135–150.

- Unger C, Evans KG, Saynor M & Willgoose GR 1995. Incorporation of landform design and erosion modelling in mine planning at the Ranger Mine, Jabiru NT. In *Proceedings of the 3rd International and 21st Annual AMIC Environmental Workshop*, Newcastle 14–18 October 1996 (AusIMM, Parkville, Victoria).
- Uren CJ, East TJ, Curley PH & Unger CJ 1992. Improving the design of artificial hillslopes for rehabilitation of the Ranger uranium mine, NT. Paper presented to the National Soils Conference, Adelaide.
- Uren CJ, East TJ, Noller BN, Curley PH & Unger CJ 1989. The role of slope profile shape and rock type in determining the erosional stability of batters on mine waste rock, northern Australia. In *Proceedings of the Australian Mining Industry Council Environmental Workshop*, Ballarat, October 1989. AMIC, Canberra.
- van Dam RA, Camilleri C & Finlayson CM 1997. Potential of rapid assessment techniques as early warning indicators of wetland degradation. *Proceedings of the 8th International Symposium on Toxicity Assessment (INSTA8)*, 25–30 May, Perth, p27.
- Van der Valk AG, Finlayson CM & Gopal B 1996. Vegetation and seed banks of monsoonal wetlands in India and Australia. *Intecol V Internal Wetlands Conference*, Perth 22–28 September 96, 59–60.
- VanderZalm JL, Hooper MA, Tapper NJ, Maenhaut W, Ryan B & Martin P 1996. An aerosol study of regional haze in northwest Australia and southeast Asia: A preliminary report on methods and first results. *13th Conference on Fire and Meteorology: International Perspectives on Landscape Fires*, Lorne, Australia, October 1996.
- Vardavas IM 1987. A simple model for rapidly computing terrestrial, solar flux, solar flux and global mean surface temperature. *Ecological Modelling* 35, 189–210.
- Vardavas IM 1987. Atmospheric temperature response to solar cycle UV flux variations. *Solar Physics* 108, 403–410.
- Vardavas IM 1987. Modelling the seasonal variation of net all-wave radiation flux and evaporation in a tropical wet-dry region. *Ecological Modelling* 39, 247–268.
- Vardavas IM 1988. A simple water balance daily rainfall-runoff model with application to the tropical Magela Creek catchment. *Ecological Modelling* 42, 245–264.
- Vardavas IM 1989. A Fibonacci search technique for model parameter selection. *Ecological Modelling* 48, 65–81.
- Vardavas IM 1989. A water budget model for the tropical Magela flood plain. *Ecological Modelling* 45, 165–194.
- Vardavas IM 1989c. Mathematical modelling of flooding in Magela Creek. *Australian Science Mag*, Issue 2, 44.
- Vardavas IM 1992. *Annual rainfall statistics for stations in the Top End of Australia: Normal and log-normal distribution analysis*. Technical memorandum 27, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Vardavas IM & Cannon LM 1989. *A simple computer model for terrestrial and solar radiation transfer*. Technical memorandum 26, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Vardavas IM & Carver JH 1985. Atmospheric temperature response to variations in CO₂ concentration and the solar-constant. *Planetary and Space Science* 33, 1187–1207.

- Verma M & Salama R 1986. Preliminary groundwater studies in Ranger area. Report No. 31/1986. Alligator Rivers Region Unit, Department of Mines & Energy, Darwin.
- Volz J & Finlayson CM 1996. Conservation aspects of artificial wetlands. Intecol V Internal Wetlands Conference, Perth 22–28 September 96, p125.
- Waggitt P 1989. Tailings management at Nabarlek. *Australian Science Mag*, Issue 2, 27.
- Waggitt P 1994. *A review of worldwide practices for disposal of uranium mill tailings*. Technical memorandum 48, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Waggitt P 1997. Evaluating best practice tailings management. In *Proceedings of Innovations, operations, maintenance and rehabilitation for successful tailings management* Conference 29–30 October 97. International Management Resources, Sydney.
- Waggitt P 1997. Uranium mine closure and custodian transfer: An Australian perspective. Multilateral Exchange: Decommission uranium mine/mill facilities, AECB, Vancouver, Canada, 5 June 1997.
- Waggitt P 1998. Hazard reduction works at abandoned uranium mines in the upper South Alligator valley, Northern Territory. In *Radiological aspects of the rehabilitation of contaminated sites*, eds RA Akber & P Martin, Darwin/Jabiru 20–22 June 1996, 70–78.
- Waggitt P 1998. Uranium mill tailings disposal: A global review. In *Radioactivity in the environment*, eds RA Akber & P Martin. SPERA 96, 4th Biennial workshop of the South Pacific Environmental Radioactivity Association, Darwin 17–19 June 1996, 116–124.
- Waggitt P & Hood V 1997. Introducing environmental planning and the environmental performance review process to the Christmas Island Phosphate Mine. In *Demonstrating environmental excellence 97*. 22nd Annual Environmental Workshop 12–17 October 1997 Adelaide, 232–239.
- Waggitt PW & Jones W 1995. The Mount Lyell remediation research and demonstration program. In *Proceedings of the 20th Annual Environmental Workshop: Managing environmental impacts – Policy and practice*, Darwin 2–26 October 1995. Minerals Council of Australia, 120–128.
- Waggitt PW & Jones W 1996. The Mount Lyell remediation research and demonstration program: The half time picture. In *The Darwin summit: Engineering tomorrow today*. 1996 National Engineering Conference, Darwin 21–24 April 1996, 387–394.
- Waggitt PW & McQuade C 1994. Mine close out criteria: Present guidelines and future trends in Australia. In *The Proceedings of the Australasian Institute of Mining and Metallurgy, Australian Mining looks north: Challenges and choices* Darwin 5–9 August 1994, 407–410.
- Waggitt PW & Riley SJ 1992. Development of erosion standards for use in the rehabilitation of uranium mines in northern Australia. In *Land reclamation: Advances in research and technology proceedings of the international symposium*, American Society of Agricultural Engineers, 14–15 December 1992, Tennessee, 204–212.
- Waggitt PW & Riley SJ 1993. Development of erosion standards for use in rehabilitation at Ranger mine. Environment Institute of Australia in *Partnership for change: Environmental practice in the 1990s*. Env Institute of Aust National Conference, Sydney Convention Centre Darling Harbour. 22–24 September 1993. PO11 (Poster only)

- Waggitt PW & Riley SJ 1994. Risk assessment in mine rehabilitation planning: Using the option of an above ground tailings containment at Ranger uranium mine as an example. In *The Proceedings of the Australasian Institute of Mining and Metallurgy, Australian Mining looks north—Challenges and choices*, Darwin 5–9 August 1994, 499–505.
- Walker DG, Fry RM & Morison IW 1983. Waste management and environmental controls in the Australian uranium mining industry. In *Nuclear power experience: proceedings of an international conference*. Volume 3, Nuclear Fuel Cycle, IAEA, Vienna.
- Walker TD & Tyler PA 1984. Tropical Australia, a dynamic limnological environment. *Verhandlungen-Internationale Vereinigung fur Theoretische und Angewandte Limnologie*, 22, 1727–1734.
- Wallace WJ 1983. Current data management strategy of the Office of the Supervising Scientist. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 44. Supervising Scientist for the Alligator Rivers Region.
- Ward PJ & Woodland DJ 1983. An examination of the causes of mortality in the hardyhead, *Craterocephalus* sp. (pisces), in pools of Magela Creek during the dry. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 39. Supervising Scientist for the Alligator Rivers Region.
- Wasson RJ (ed) 1992. *Modern sedimentation and late quaternary evolution of the Magela Creek Plain*. Research report 6, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Wasson RJ, Clark RL, East TJ, Willett IR, Murray AS, Johnston A & Warner RF 1991. Future impact on the Magela Plain, Kakadu National Park, of sediments derived from Ranger mine site. In *Applied Quaternary Studies*, eds G Brierley & J Chappell, Australian National University, Canberra, 89–94.
- Waterman P 1998. Alligator Rivers Region. Coastal monitoring node: Audit report of phase 1 activities. Report by Environmental Management Services Pty Ltd, Canberra.
- Watkins D, Brennan K, Lange C, Jaensch R & Finlayson CM (in press). Management planning for Ramsar sites in the Kimberley region of Western Australia. Supervising Scientist Report, Supervising Scientist, Canberra.
- Watson JAL 1980. Dragonflies in Kakadu National Park. *Habitat Australia* 8(4), 3–5.
- Watson JAL & Abbey HM 1980. Dragonflies (Odonata) from the Northern Territory. A provisional synopsis, with a key to adults, notes on the biology and distribution of species, and a section dealing with species known from the Alligator Rivers uranium province. CSIRO Division of Entomology Report No. 21, 44.
- Watson JAL & Theischinger G 1984. The Australian Protoneurinae (Odonata). *Australian Journal of Zoology*, Supplementary No. 98, 1–51.
- Wells A 1990. New species and a new genus of microcaddisfly from northern Australia, including the first Australian record of the tribe Stactobiini (Trichoptera: Hydroptilidae). *Transactions of the Royal Society of South Australia* 114, 107–128.
- Whittlestone S 1983. The design of a radon calibration facility, In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 58. Supervising Scientist for the Alligator Rivers Region.

- Willett IR 1993. Chemical transformations of metals in mixtures of tailings and soil materials from the Magela plain. Chapter 7. In *Modern sedimentation and late quaternary evolution of the Magela Creek plain*, ed RJ Wasson, Office of the Supervising Scientist for the Alligator Rivers Region, Research Report 6. AGPS, Canberra.
- Willett IR & Beech TA 1987. Determination of organic carbon in pyritic and acid sulphate soils. *Communications in Soil Science and Plant Analysis* 18, 715–724.
- Willett IR & Bond WJ 1992. Adsorption properties of soils near Ranger uranium mine for solutes in retention pond water. Abstracts of Oral Presentations, National Soils Conference, Australian Society Soil Science Adelaide, p 67.
- Willett IR & Bond WJ 1992. Adsorption properties of the soils of the Ranger uranium mine land application area for solutes in water from retention pond 2. In *Proceedings of the Workshop on Land application of effluent water from uranium mines in the Alligator Rivers Region*. Office of the Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra 113–138.
- Willett I & Bond WJ 1995. Sorption of manganese, uranium and radium by high weathered soils. *Journal of Environmental Quality* 24, 834–845.
- Willett IR, Bond WJ, Akber RA, Lynch DJ & Campbell GD 1993. *The fate of water and solutes following irrigation with retention pond water at Ranger uranium mine*. Research report 10, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Willett IR, Chartres CJ & Bond WJ 1993. Soils and hydrology of the Ranger uranium mine application site. In *Proceedings of the Workshop on Land application of effluent water from uranium mines in the Alligator Rivers Region*. Office of the Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra, 25–42.
- Willett IR, Crockford RH & Milnes AR 1993. Transformations of iron, manganese and aluminium during oxidation of a sulfidic material from an acid sulfate soil. In *Iron and manganese biomineralization processes in modern and ancient environments*. *Catena* Supplement 21, 287–302.
- Willett IR, East TJ, Noller BN, Clark RL & Wasson RJ 1988. Acid sulphate soils of the Magela Creek backwater plain, East Alligator River, Northern Territory. *Abstracts, Natural Soils Conference*, Canberra, 9–12 May, 269.
- Willett IR, Melville MD & Noller BN 1989. Acid sulphate soils research in Australia. *Acid Sulphate Soils Newsletter* 2, 2–3.
- Willett IR, Noller BN & Beech TA 1993. Mobility of radium and heavy metals from uranium mine tailings in acid sulphate soils. *Australian Journal of Soil Research* 32, 335–355.
- Willgoose G 1993. Hydrology and Erosion. In *Proceedings of the Symposium on the Management and rehabilitation of waste rock dumps*. Darwin 7–8 October 1993. Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Willgoose G 1994. Latest developments in the design of mine rehabilitation. *The derelict and contaminated lands Symposium*, Newcastle, October 1994.
- Willgoose GR 1995. *User manual for SIBERIA (version 7.05)*. Research Report 076.04.1992, Department of Civil Engineering and Surveying, University of Newcastle, NSW, Australia. 52p.

- Willgoose GR & Gyasi-Agyei Y 1995. New technology in hydrology and erosion assessment for mine rehabilitations. In *Proceedings of the APCOM XXV Conference*, Brisbane, 9–14 July 1995, 555–560.
- Willgoose G & Kuczera G 1995. Estimation of sub-grid scale kinematic wave parameters for hillslopes. In *Scale issues in hydrological processes, Hydrological Processes* 9, 469–482.
- Willgoose G & Riley S 1994. Long term erosional stability of mine spoils. In *The Proceedings of the Australasian Institute of Mining and Metallurgy, Australian Mining looks north: Challenges and choices*, Darwin 5–9 August 1994, 423–427.
- Willgoose G & Riley SJ 1993. Scale dependence of runoff and the hydrology of a proposed mine rehabilitation. *Hydrology and Water Resources Symposium*, Newcastle, 30 June–2 July 1993, 159–164.
- Willgoose G & Riley SJ 1993. The assessment of the long-term erosional stability of engineered structures of a proposed mine rehabilitation. *Environmental Management Geo-water and Engineering Aspects*, eds RN Chowdhury & M Sivakumar, Balkema, Rotterdam 667–673.
- Willgoose G & Riley S 1998. The long-term stability of engineered landforms of the Ranger uranium mine, Northern Territory, Australia: Application of a catchment evolution model. *Earth Surface Processes and Landforms* 23, 237–259.
- Willgoose G & Riley SR (in press). *Application of a catchment evolution model to the prediction of long term erosion on the spoil heap at Ranger uranium mines: Initial analysis*. Supervising Scientist Report, Supervising Scientist, Canberra.
- Williams AR 1979b. Aquatic and terrestrial contamination pathway analysis and dose assessment for members of the public in the neighbourhood of a uranium mine or mill. Radiological Workshop on Alligator Rivers Region Uranium Mining Development, Lucas Heights, June 1979, Office of the Supervising Scientist for the Alligator Rivers Region.
- Williams AR 1982. Biological uptake and transfer of radium-226: A review. Environmental migration of long-lived radionuclides. Symposium Proceedings, Knoxville, Tennessee, 1981. *International Atomic Energy Agency*, Vienna.
- Williams AR 1983a. Productivity of the waterlily *Nymphaea* in a tropical lagoon. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 35. Supervising Scientist for the Alligator Rivers Region.
- Williams AR 1983b. Biogeochemistry of ^{226}Ra in a tropical wetland. In *Proceedings of the Scientific Workshop on Environment Protection in the Alligator Rivers Region*, paper no. 74. Supervising Scientist for the Alligator Rivers Region.
- Williams AR 1985. Liquid scintillation counting of radon from a radium-226 sample digested in the vial. In *Proceedings of a Workshop on the measurement of long-lived environmental radionuclides*. Supervising Scientist for the Alligator Rivers Region and the Australian Radiation Laboratory 60–75.
- Williams AR 1990. Radium uptake by freshwater plants. In *Environmental behaviour of radium*. *International Atomic Energy Agency*, Vienna.
- Williams NJ, Kool KM & Simpson RD 1991. Copper toxicity to fishes and an extremely sensitive shrimp in relation to a potential Australian tropical mining-waste seep simulated. *International Journal of Environmental Studies* 38, 165–180.

- Woodland DJ & Ward PJ 1992. *Fish communities in sandy pools of Magela Creek, Alligator Rivers Region*. Research report 9, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Woods DA 1985. The variation of annual limits on intake and derived air concentrations with activity median aerodynamic diameter for uranium mine and mill dusts. *Radiation Protection Dosimetry* 12, 269–274.
- Woods DA 1986. Assessment of final product dust activity median aerodynamic diameters at two Australian uranium mills using three types of cascade impactor. *Radiation Protection in Australia* 4(2), 55.
- Woods DA 1986. Final product dust activity median aerodynamic diameters in the product packing areas of two Australian uranium mills. *Health Physics* 51(3), 352–356.
- Woods DA 1986. The variation of annual limits on intake and derived air concentrations with activity median aerodynamic diameter for uranium mine and mill dusts. *Radiation Protection in Australia* 4(1), 17–22.
- Woods DA 1989. *Concentration of radon and radon daughters during semi-dry tailings deposition by QML at Nabarlek (1985–88)*. Technical memorandum 29, Supervising Scientist for the Alligator Rivers Region, AGPS, Canberra.
- Woods DA 1989. What about the worker? Letter to the Editor. *Radiation Protection Dosimetry* 28, 229.
- Young PC 1980. Mining and the natural environment: systems analysis and mathematical modelling. In *Social and environmental choice: The impact of uranium mining in the Northern Territory*, ed S Harris, CRES Monograph 3, ANU, Canberra.

Unpublished papers

- Akber RA 1990. Radionuclide retention characteristics of the Djalkmara Billabong. Internal report 9, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Akber RA 1993. Kakadu National Park demography: Critical groups for public radiation dose estimates. Internal report 109, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Akber RA & Hancock G 1990. Bioaccumulation of radionuclides in aquatic organisms from the South Alligator River: First Report, December 1990. Internal report 21, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Akber R, Martin P, Marten R, Pfitzner J & Whittlestone S 1991. Proceedings: Workshop on environmental radiochemistry and radionuclide measurements. Internal report 33, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Akber R, Martin P, Martin T & Waggitt P 1996. Radon and gamma dose rate measurements at selected sites on Christmas Island. Internal report 224, Supervising Scientist, Canberra.
- Akber RA & Marten R 1990. Radioactivity of Rockhole Mine Creek. Internal report 13, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Akber RA & Marten R 1991. Remobilisation of radionuclides from the land application area at Ranger. Internal report 31, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Akber RA, Paulka S & Hancock G 1993. Bioaccumulation of radionuclides in edible aquatic organisms from South Alligator River: Activity concentration measurements of *Velesunio angasi* mussel. Internal report 105, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Akber RA, Pfitzner J & Johnston A 1991. Public radiation dose due to radon transport from Ranger uranium mine. Internal report 24, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Akber RA, Pfitzner J, Peterson MC, Clark GH & Bartsch FKJ 1993. Model based estimates of public radiation dose due to atmospheric transport of radon from Ranger uranium mine for one seasonal cycle. Internal report 102, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Akber RA, Pfitzner J & Whittlestone S 1991. *A mobile station for radon measurement*. In *Proceedings: Workshop on environmental radiochemistry and radionuclide measurements*. Internal report 33, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Allison HE & Holdway DA 1989. OSS test procedures for the biological testing of waste waters for release into Magela Creek. VII: Hydra test (*Hydra* sp. A). Open file record 57, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Allison HE & Holdway DA 1989. OSS test procedures for the biological testing of waste waters for release into Magela Creek. IX: Duckweed test (*Lemna aequinoctialis*). Open file record 59, Supervising Scientist for the Alligator Rivers Region, Canberra.

- Allison HE, Holdway DA, Hyne RV & Rippon GD 1991. OSS procedures for the biological testing of waste waters for release into Magela Creek. XII: Hydra test (*Hydra viridissima* and *Hydra vulgaris*). Open file record 72, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Allison HE, Mannion MMD & Holdway DA 1989. OSS test procedures for the biological testing of waste waters for release into Magela Creek. V: Freshwater snail test (*Amerianna carinata*). Open file record 55, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Andersen A, Ashwath N & Morrison S 1993. The role of terrestrial invertebrates in mine site restoration. Internal report 133, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Andersen A, Morrison S, Ashwath N, Belbin L, Sparling G & Brennan K 1995. The role of ants in minesite restoration. Internal report 189, Supervising Scientist for the Alligator Rivers Region, Canberra.
- ARRRI 1990. Analytical Chemistry Section, Laboratory Quality Manual: ARRRI Analytical Chemistry Laboratory. Internal report 1, Supervising Scientist for the Alligator Rivers Region, Canberra.
- ARRRI 1991a. Alligator Rivers Region Research Institute: Research Plan 1990–1991. Internal report 20, Supervising Scientist for the Alligator Rivers Region, Canberra.
- ARRRI 1991b. Alligator Rivers Region Research Institute, Aquatic Toxicology Section. Laboratory Quality Manual: Aquatic Toxicology Laboratory. Internal report 22, Supervising Scientist for the Alligator Rivers Region, Canberra.
- ARRRI 1991c. Alligator Rivers Region Research Institute, Aquatic Toxicology Section. Laboratory Procedures and Methods Manual: ARRRI Aquatic Toxicology Laboratory. Internal report 23, Supervising Scientist for the Alligator Rivers Region, Canberra.
- ARRRI 1991d. Alligator Rivers Region Research Institute Research Plan 1991–92. Internal report 40. Supervising Scientist for the Alligator Rivers Region, Canberra.
- ARRRI 1992c. Alligator Rivers Region Research Institute Research Plan 1992–93. Internal report 80. Supervising Scientist for the Alligator Rivers Region, Canberra.
- Ashwath N 1990. Proposed revegetation Research Program of the Alligator Rivers Region Research Institute. Internal report 14, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Ashwath N 1993a. Revegetation research program of the Alligator Rivers Region Research Institute. Revised version July 1992. Internal report 107, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Ashwath N 1993b. Progress of the Revegetation Research at the Alligator Rivers Region Research Institute, Jabiru (1990–1993). Internal report 113, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Ashwath N 1993d. Progress of the revegetation research at the Alligator Rivers Region Research Institute, Jabiru (1990–1993). Revised version. Internal report 113, Supervising Scientist for the Alligator Rivers Region, Canberra.

- Ashwath N 1994. Key results of the research undertaken by the Revegetation Section of the *eriss*, EPA: 1990–94. Internal report 171, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Ashwath N, Bayliss B, Atkinson G, McInnes A & Brennan K 1992. Database for native plant seed. Internal report 92, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Ashwath N & Chandrasekaran M 1993. An examination of plant stress symptoms at Ranger land application area: November 1993. Internal report 132, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Ashwath N & Ragupathy S 1992. Selected bibliography of restoration of disturbed mine sites and ecophysiology of native plants. Internal report 93, Supervising Scientist for the Alligator Rivers Region, Canberra.
- ASTEC 1992. The ASTEC study on research and technology in tropical Australia: A submission by the Office of the Supervising Scientist. Internal report 87, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Baird D 1996. A consultancy on Wetland Protection and Management, as requested by the Environmental Research Institute of the Supervising Scientist (*eriss*). Internal report 215, Supervising Scientist, Canberra.
- Barrowcliff G 1993. Consolidated list of publications, reports and conference presentations by staff of and consultants to the Supervising Scientist from 1978–1993. Internal report 110, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Barrowcliff G 1994. Consolidated list of publications, reports and conference presentations by staff of and consultants to the Supervising Scientist from 1978–1994. Revised edition. Internal report 160, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Barrowcliff G 1996. Consolidated list of publications, reports and conference presentations by staff of and consultants to the Supervising Scientist from 1978–1996. Revised edition. Internal report 217, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Barrowcliff G 1997. Consolidated list of publications, reports and conference presentations by staff of and consultants to the Supervising Scientist from 1978–June 1997. Internal report 264, Supervising Scientist, Canberra. Unpublished paper.
- Bayliss BL, Brennan KG, Eliot I, Finlayson CM, Hall RN, House T, Pidgeon RWJ, Walden D & Waterman P 1996. Vulnerability assessment of the possible effects of predicted climate change and sea level rise in the Alligator Rivers Region Northern Territory Australia. Internal report 208, Supervising Scientist, Canberra.
- Beck W 1986. Aboriginal diet study in the Alligator Rivers Region: A preliminary report. Open file record 37, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Bell JRW & Willgoose GR 1998. Monitoring of gully erosion at ERA Ranger uranium mine Northern Territory, Australia. Internal report 274, Supervising Scientist, Canberra. Unpublished paper.
- Bell L 1997. Determination of hydrology and erosion model parameters for a natural site adjacent to Pit #1 at ERA Ranger Mine, Northern Territory, Australia. Internal report 238, Supervising Scientist, Canberra.

- Bell LSJ & Willgoose GR 1997. Determination of hydrology and erosion model parameters: Natural site adjacent to Pit #1 at ERA Ranger Mine, Northern Territory, Australia. Internal report 270, Supervising Scientist, Canberra. Unpublished paper.
- Bentley KW, Stockwell DR & Kerr CB 1987. Measurement of uranium in hair. Open file record 61, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Bishop KA 1982. Interim report on the development and testing of fish community structure. Open file record 41, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Bishop KA 1987. Dynamics of the freshwater fish communities of the Alligator Rivers Region, tropical northern Australia. PhD Thesis, Macquarie University.
- Bishop KA 1991. Biological monitoring using freshwater fishes of the ARR: Phase 1: Review of data. Internal report 28, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Bishop KA 1992. Biological monitoring using freshwater fishes of the ARR: Phase 2 Data analysis and interpretation of studies on fish migration in Magela Creek: Part 1 Development studies on spatial and temporal patterns. Open file record 105, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Bishop KA & Harland WG 1982. Further ecological studies (I) on the freshwater fishes of the Alligator Rivers Region. Open file record 34, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Bishop KA & Pidgeon RWJ 1993. Temporal and spatial patterns of fish migration in relation to development of a method of monitoring effects on uranium mining on Magela Creek NT. Conference on the *Use of biota to assess water quality*. CRC for freshwater ecology, University of Canberra 21–24 September 1993.
- Bishop KA & Walden D 1990. The effects of the 1985 Ranger uranium RP4 water releases on the movements of fish along Magela Creek. Open file record 67, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Boyden J & Pidgeon R 1994. Biological monitoring of freshwater fish communities in lowland billabongs of the Alligator Rivers Region: Design, methods and data for the 1993 pop-net sampling program. Internal report 147, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Boyden J & Pidgeon R 1996. Listing of data on fish migration in Magela and Nourlangie Creeks for the period 1985 to 1996. Internal report 220, Supervising Scientist, Canberra.
- Boyden J, Pidgeon R & Humphrey C 1992. Biological monitoring of fish communities in Gulungul Billabong. A backflow billabong of Magela Creek: A review of methods and data from 1988–1992 sampling. Internal report 90, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Boyden J, Pidgeon R & Humphrey CL 1995. *eriss* Protocol for the creekside monitoring of Magela Creek waters: II. Larval black-striped rainbowfish, *Melanotaenia nigrans*, survival test. Internal report 181, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Brennan K 1990. Checklist of vascular plants of the Alligator Rivers Region, Northern Territory. Open file record 62, Supervising Scientist for the Alligator Rivers Region, Canberra.

- Brennan K 1992. Field key to the native trees and shrubs in the Jabiru area. Internal report 69, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Brennan K 1994. Project 320702: Phenology of native plants with potential for use for revegetation on the Ranger uranium mine project area. Internal report 145, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Brennan K 1997. Draft field key to the trees and shrubs of the Jabiru area. Internal report 245, Supervising Scientist, Canberra.
- Brennan K & Bach C 1994. A vegetation survey of the Nabarlek waste rock dump. Internal report 165, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Brennan KG, Noller BN, leGras CA, Morton SR & Dostine PL 1991. Heavy metal in water birds from the Magela Creek floodplain, Alligator Rivers Region, Northern Territory, Australia. Internal report 30, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Brown GH 1992. Statistical procedures for protocols OFR 51, 56, 57 and 58. Open file record 97, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Brown GH 1992. Statistical procedures for protocols OFR 51, 56, 56A and 57, 58. Internal report 74, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Brown I 1994. OSS procedure for the biological testing of waters in tropical Australia. Aquatic fern test (*Azolla pinnata*). Internal report 163, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Brown VM 1994. Report on current procedures used in the Aquatic Toxicology Laboratory of the Alligator Rivers Region Research Institute. Internal report 140, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Brundrett M 1995. Mycorrhizal associations in the Alligator Rivers Region: Final Report Part 3. Open file record 118, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Brundrett M, Abbott L, Jasper D, Ashwath N, Malajczuk N & Bougher N 1993. Mycorrhizal associations of plants in disturbed and undisturbed soils of the Alligator Rivers Region: Part III progress report December 1992. Internal report 121, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Brundrett M, Ashwath N, Jasper DA, Abbott LK, Bougher N, Brennan K & Malajczuk N 1995. Mycorrhizal associations in the Alligator Rivers Region: Part 2 Experimental Results. Open file record 117, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Brundrett MC, Abbott LK, Jasper DA, Ashwath N, Malajczuk N & Bougher N 1992. Mycorrhizal associations of plants in disturbed and undisturbed soils of the Alligator Rivers Region: Part 1. Methods Progress Report September 1992. Internal report 81, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Brundett M, Abbott L, Jasper D, Ashwath N, Malajczuk N & Bougher N 1992. Mycorrhizal associations of plants in disturbed and undisturbed soils of the Alligator Rivers Region: Part II, preliminary report progress report, September 1992. Internal report 82, Supervising Scientist for the Alligator Rivers Region, Canberra.

- Brundrett M & Bougher N 1995. Mycorrhizal associations in the Alligator Rivers Region: Part 1 Experimental Methods. Open file record 116, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Brundrett M & Walker C 1997. Understanding the diversity of Glomalean fungi from tropical Australian habitats. Mycorrhizas in sustainable tropical agriculture and forest ecosystems, Bagor Indonesia, October 1997. Poster presentation.
- Bruton G 1982. Review of water quality data in the Alligator Rivers Region, NT: Report on phase I. Open file record 6, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Buck P, Klessa D, leGras C, Hunt C & Parry D 1997. Rates of sulphate removal in sulphate amended polyethylene enclosures placed in Georgetown Billabong. Internal report 241, Supervising Scientist, Canberra.
- Burrows-Ellis YL 1994. Comparative responses of two species of freshwater snails in concurrent field and laboratory tests. Open file record 115, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Carbon B & Johnston A 1997. Area affected by the Ranger uranium mine. Internal report 248, Supervising Scientist, Canberra.
- Carter MW 1992. Calculation of lifetime radiation and other fatal risks to uranium and thorium miners. Internal report 77, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Carter MW, McBride TP & Akber RA 1994. Water quality criteria for land irrigation of Ranger uranium mine retention pond 2 water. Internal report 148, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Carter MW & Woods DA 1986. Radiation protection in Australia uranium and thorium (sand) mining: Regulations and practical experience. Open file record 39, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Cawsey EM 1996. Development of metadatabase protocols at *eriss*. Internal report 204, Supervising Scientist, Canberra.
- Chandrasekaran M 1994. A review of pH and salinity tolerance of native vegetation in the Alligator Rivers Region of the NT. Internal report 149, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Chaney JA, Thomas DP & Tyler PA 1979. Diatoms and freshwater algae of the Magela Creek system (Alligator Rivers Region) NT, as monitors of heavy metal pollution. Open file record 3, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Chartres CJ, Walker PH, Willett IR, East TJ, Cull RF, Talsma T & Bond WJ 1988. The soils and hydrology of two sites at the Ranger uranium mine and their suitability for land application of retention pond water. I. Site and soil properties. Open file record 50, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Clark GH, Bartsch FKJ, Petersen MCE & Pfitzner J 1992. A meteorological study of evaporation over a water surface at Jabiru East, Northern Territory 1988–1990. Open file record 104, Supervising Scientist for the Alligator Rivers Region, Canberra.

- Clark GH, Petersen MCE, Barstch FJK, Pfitzner J & Akber RA 1992. The climatology and air pollution meteorology at Jabiru East, Northern Territory. Open file record 87, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Cobb SM 1998. Channel extension and the geomorphology of tidal creeks in Kakadu National Park, Northern Territory. Internal report 280, Supervising Scientist, Canberra. Unpublished paper.
- Commonwealth Department of Housing and Construction (ACT) 1980. Ranger Uranium Mine Pty Ltd operation at Jabiru during flood of 4 February 1980. Open file record 31, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Cox M 1994. Eco toxicological responses in freshwater snails: Implications for biological surveillance of aquatic systems. Internal report 162, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Cranston PS 1991. Taxonomy of the Chironomidae of the Alligator Rivers Region. Open file record 82, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Curley PM 1991. Erosion of stability of waste rock batters at Ranger Uranium Mines Pty Ltd, 1987/88 Wet season. Open file record 83, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Cusbert PJ 1990. Investigation of methods for the determination of suspended soils in water. Internal report 5, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Cusbert PJ 1992. Heavy metals and nutrients in dust fallout from the Alligator Rivers Region, Northern Territory. Internal report 53, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Cusbert PJ, leGras C & Hunt C 1992. Laboratory Quality Manual: ARRI Analytical Chemistry laboratory. Internal report 62, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Cusbert P, leGras C & Hunt C 1997. Laboratory Quality Manual: *eriss* Analytical Chemistry Laboratory: Revised 1997. Internal report 243, Supervising Scientist, Canberra.
- Cusbert P, leGras CA, Hunt CW & Akber RA 1992. Magela Creek water quality during the 1991/92 Wet season: An interim report 1. Internal report 67, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Cusbert PJ, leGras CA, Hunt CW & Akber RA 1992. Monitoring of Magela Creek water quality during 1991/92 Wet season: Final report. Internal report 75, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Cusbert PJ, leGras CAA & Fox T 1994. The determination of total kjeldahl nitrogen in soils using acid digestion, distillation and ion chromatography. Internal report 146, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Davies JA 1996. Migrational monitoring of *Melanotaenia splendida inornata* at Magela Creek NT for the 1994 Wet season. Internal report 203, Supervising Scientist, Canberra.
- Devonport C 1992. Development of a geographic information system for risk/hazard assessment in the Alligator Rivers Region: A Progress Report. Open file record 101, Supervising Scientist for the Alligator Rivers Region, Canberra.

- Devonport C 1992. Development of a geographic information system for risk/hazard assessment in the Alligator Rivers Region: Phase 1. Open file record 103, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Devonport C 1992. Development of a Geographical Information System for risk-hazard assessment at Ranger Uranium Mine: Interim Report 30 June 1992. Internal report 88, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Devonport C 1993. Magela Creek flood plain video survey. Internal report 130, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Devonport C 1996. *eriss* information system: Opportunities for improvement. Internal report 219, Supervising Scientist, Canberra.
- Devonport C & Waggett P 1993. GIS and remote sensing in northern Australia: An initial compendium. Internal report 120, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Devonport C, Waggett P & Finlayson M 1994. Magela Creek Flood Plain Video Survey 20, April 1994. Internal report 156, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Devonport C, Waggett P & Finlayson M 1994. Magela Creek Flood Plain Video Survey 3, 18 October 1994. Internal report 175, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Dillon PJ 1991. Seepage from tailings impoundments: Research planning project. Open file record 76, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Dostine PL, Humphrey CL & Spiers A 1992. Benthic macroinvertebrate communities in Rockhole Mine Creek: Review of 1991 data. Internal report 72, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Dostine PL, Humphrey CL & Spiers A 1992. Benthic macroinvertebrate communities in Rockhole Mine Creek: Review of 1992 data. Internal report 116, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Dostine PL, Humphrey CL, Camilleri C & Spiers A 1992. Baseline studies of benthic macroinvertebrate communities in riffle substrates of the upper South Alligator River: Phase 1 Review of data from October samples 1987-1991. Internal report 91, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Dostine PL & Skeat A 1992. OSS/ANPWS Waterbird population and habitat monitoring project. Internal report 71, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Dostine PL & Skeat A 1993. OSS/ANPWS Waterbird population and habitat monitoring project: Revised May 1993. Internal report 111, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Duggan K 1988. Mining and erosion in the Alligator Rivers Region of northern Australia. PhD Thesis, Macquarie University.
- Duggan K 1991. Mining and erosion in the Alligator Rivers Region of northern Australia Part I. Open file record 81, Supervising Scientist for the Alligator Rivers Region, Canberra.

- Ellender G, Jobson S, Hyne RV & Rippon GD 1992. Bioaccumulation of uranium by *Hydra viridissima* and its implications for bioassay. Open file record 94, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Ellender G, White J, Hyne R & Rippon G 1991. Hydra as a bioassay system for uranium in mining waste waters. Open file record 78, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Ellis IM 1996. Early development, age determination and age structure of migrating chequered rainbowfish *Melanotaenia splendida inornata* (Castelnau): Prospects for use in biological monitoring of the Magela Creek system, tropical northern Australia. Internal report 212, Supervising Scientist, Canberra.
- Environmental Research Institute of the Supervising Scientist 1997. Environmental Research Institute of the Supervising Scientist Workplan 1997–1998. Internal report 259, Supervising Scientist, Canberra. Unpublished paper.
- Environmental Research Institute of the Supervising Scientist 1997. Environmental Research Institute of the Supervising Scientist Research Plan 1997–1998. Internal report 260, Supervising Scientist, Canberra. Unpublished paper.
- eriss** 1996. Environmental Research Institute of the Supervising Scientist: Research Plan 1996–1997. Internal report 226, Supervising Scientist, Canberra.
- eriss** 1996. Environmental Research Institute of the Supervising Scientist: Corporate Plan 1996–1997. Internal report 231, Supervising Scientist, Canberra.
- eriss** 1997. Supervising Scientist comments on the Jabiluka EIS. Internal report 232, Supervising Scientist, Canberra.
- Evans KG & Johnston A 1997. A review of erosion and hydrology research at **eriss**. Internal report 268, Supervising Scientist, Canberra. Unpublished paper.
- Evans KG, Loch RJ, Hall RN & Bagnall CP 1995. USLE parameter values for waste rock material at the Ranger Uranium Mine derived using PSA and the effect of these parameters on erosion rates. Internal report 177, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Evans KG & Riley SJ 1993. Large scale erosion plots on the Ranger uranium mine waste rock dump. Natural rainfall monitoring 1992/93 Wet season Part 1 Hydrology Data. Internal report 118, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Evans KG & Riley SJ 1993. Large scale erosion plots on the Ranger uranium mine waste rock dump: Natural rainfall monitoring: 1992/93 Wet season Part 2 Sediment loss data. Internal report 131, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Evans KG & Riley SJ 1993. Regression equations for the determination of discharge through RBC flumes. Internal report 104, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Evans KG, Riley SJ & Willgoose GR 1995. Calibration of DISTFW rainfall-runoff model parameters using rainfall simulator data from the cap site at Ranger uranium mine NT: Preliminary report. Internal report 183, Supervising Scientist for the Alligator Rivers Region, Canberra.

- Evans KG, Saynor MJ & Riley SJ 1996. Ranger uranium mine waste rock dump rainfall simulation experiments 1993: Large scale plots—Data. Internal report 209, Supervising Scientist, Canberra.
- Evans KG & Willgoose GR 1994. An experimental study on the effect of vegetation on erosion of the Ranger uranium mine waste rock dump: A proposal. Internal report 164, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Evans KG, Willgoose GR & Riley SJ 1995. Preliminary report on the derivation of sediment transport model parameters using large scale rainfall simulator data from Ranger uranium mine. Internal report 182, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Faith DP 1996. The development and application of multivariate methods for biological monitoring based on community structure in the Alligator Rivers region. Internal report 207, Supervising Scientist, Canberra.
- Finlayson CM 1998. Biological monitoring of freshwater ecosystems in the Alligator Rivers Region, northern Australia. In *Development of a stream biological monitoring program in the Alligator Rivers Region, northern Australia*, eds CM Finlayson, CL Humphrey & RWJ Pidgeon, Internal report 159, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Finlayson CM 1998. *eriss* wetland inventory activities. IGBP-DIS wetland activity design meeting, Toulouse, France. March 1998.
- Finlayson CM 1998. Monitoring Ramsar wetlands. Presented to the Macquarie River Catchment Committee 3 June 1998.
- Finlayson CM 1998. Values and benefits derived from wetlands & monitoring Ramsar wetlands. Macquarie River Catchment Committee, 3 June 1998.
- Finlayson CM 1998. Wetland inventory and monitoring: Tools for management in Australian tropical wetlands. Internal report 278, Supervising Scientist, Canberra. Unpublished paper.
- Finlayson CM 1998. Wetland inventory and monitoring: tools for management in Australian tropical wetlands. Cambodian National Wetland workshop, Phnom Penh, Feb 1998.
- Finlayson CM & Eliot I 1998. Coastal wetlands: the information and monitoring management challenge. Coast to Coast Conference, Perth, April 1998.
- Finlayson M, Hall R & Bayliss B 1996. Wetlands of the wet-dry tropics of northern Australia. Internal report 213, Supervising Scientist, Canberra.
- Finlayson M, Klessa D & Rippon GD (eds) 1994. ANCA Consultancy Report-Project DN11 Toxicology of the Herbicide AF100. Internal report 159, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Finlayson CM, Thompson K, von Oertzen I & Cowie ID 1992. *Macrophytic vegetation of five Magela Creek billabongs, Alligator Rivers Region, Northern Territory*. Internal report 54, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Finlayson CM, Thurtell L, Storrs MJ, Applegate R, Barrow P & Wellings P 1998. Local communities and wetland management in the Australian wet-dry tropics. In Environment Australia wetland workshop, Albury September 1997.

- Finlayson CM, van Dam RA & Humphrey CL 1998. Early warning and rapid response systems for detecting ecological change in wetlands. Internal report 281, Supervising Scientist, Canberra. Unpublished paper.
- Finlayson CM, Yibarbuk D, Thurtell L, Storrs MJ & Cooke P (in press). Local community management of the Blyth/Liverpool wetlands, Arnhem Land, Northern Territory, Australia. Ramsar Convention Bureau and IUCN, Local communities and wetland management workshop, Kushiro, Japan, March 1998.
- Finnegan LG 1993. Hydrolic characteristics of deep ripping under simulated rainfall at Ranger uranium mine (Thesis). Internal report 134, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Franklin NM, Stauber JL, Markich SJ & Lim RP 1997. A new tropical bioassay for assessing the toxicity of metals in freshwaters. Oral presentation. The Fourth Conference of the Australasian Society for Ecotoxicology, Brisbane 17–18 July 1997.
- Fry RM 1988b. Codes and guidelines for the mining and milling of uranium and other radioactive ores in Australia. IAEA/RCA Training Course on Radiation Protection Infrastructure—Notes.
- Gardiner B 1990. Significance of erosion at Coronation Hill (a) Wet season 1989/90: September 1990. Internal report 16, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Gardiner B 1992. The role of bioturbation in the rehabilitation of mine landforms in the Alligator Rivers Region: Literature review and research project proposal. Internal report 63, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Gardiner B, Hancock E & Uren C 1991. Concentrated flow simulation experiments: Waste rock dumps Ranger uranium mine 1990 results. Internal report 49, Supervising Scientist for the Alligator Rivers Region, Canberra.
- George EM 1996. Hydrology of ripped surfaces under rainfall simulation: RUM 1993 Data and vegetation, sediment and hydrology studies of the fire and soil sites—WRD, RUM 1995–96 Wet season monitoring. Internal report 201, Supervising Scientist, Canberra.
- George E & Willgoose G 1997. Effect of seasonal vegetation on hydrology and erosion at Ranger uranium mine. Internal report 257, Supervising Scientist, Canberra. Unpublished paper.
- Gibson AH 1995. Selection and characterisation of rhizobium strains for improved nitrogen fixation by legumes used in mine site revegetation. Internal report 194, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Gillespie P, Riley SJ & Devonport C 1993. Major element and trace element analysis at Nabarlek, Ranger uranium mine, and Tin Camp Creek using the Pine Creek Geosyncline geochemical data set in an oracle relational database environment. Internal report 124, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Glaister A 1991. Taxonomy of Coleoptera Larvae (*Elmidae*) from streams of the Alligator River Regions. Open file record 85, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Glindemann M 1993. Summary report of field investigation of soils in Tin Camp Creek study area June–September 1992. Internal report 94, Supervising Scientist for the Alligator Rivers Region, Canberra.

- Goldbery R & Riley S 1995. XRD analysis of soil samples from Tin Camp Creek. Internal report 185, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Goss H 1995. Significance of vegetation in erosion processes at Tin Camp Creek, Arnhem Land, Northern Territory. Internal report 199, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Gray EJ 1994. Evaluation of the growth responses of selected native grass species for use on the ERA Ranger uranium mine waste rock dump, Jabiru, NT. Open file record 114, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Gray E & Ashwath N 1994. Evaluation of selected native grass species for use on the ERA Ranger uranium mine waste rock dump, Jabiru, Northern Territory: Experimental data. Internal report 168, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Gulson BL, Mizon KJ, Korsch MJ, Carr GR, Eames J & Akber RA 1992. Lead isotope results for waters and particulates as seepage indicators around the Ranger uranium tailings dam: A comparison with the 1984 results. Open file record 95, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Gulson BL, Mizon KJ, Korsch MJ & Noller BN 1986. Isotopes as seepage indicators for the Ranger uranium tailings dam, Northern Territory, Australia. Open file record 46, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Gunn B 1997. The macroinvertebrate colonisation of the tropical, seasonally-inundated Magela Creek floodplain. Internal report 250, Supervising Scientist, Canberra. Unpublished paper.
- Hake J 1996. Paradox for Windows: Project Management Database User Guide. Internal report 228, Supervising Scientist, Canberra.
- Hall RN, Smith BL & Evans KG 1995. Investigation of soils in the Tin Camp Creek study area June–September 1992: Primary particle size analysis. Internal report 174, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hancock G 1994. The concentration of uranium and thorium series in sediments and waterlilies from Djalkmara Billabong. Internal report 136, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hancock G & Martin P 1991. *A method for the determination of all radium isotopes in groundwater by alpha-particle spectrometry.* In *Proceedings: Workshop on environmental radiochemistry and radionuclide measurements*. Internal report 33, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hancock G, Martin P & Akber RA 1991. *Determination of ^{227}Ac by alpha-particle spectrometry* In *Proceedings: Workshop on environmental radiochemistry and radionuclide measurements*. Internal report 33, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hardwick RA 1992. Tests of the utility of cast pupal exuviae of chironomidae (*Diptera*) in biological monitoring of the Alligator Rivers Region. Open file record 106, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hart BT & Thomas PA 1981. Sorption and remobilisation of trace metals added to billabong sediments and floodplain soils in Magela Creek, northern Australia. Open file record 4, Supervising Scientist for the Alligator Rivers Region, Canberra.

- Hartley FR & Smith T 1980. Nabarlek uranium mill: environmental requirements for best practicable technology. Open file record 30, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hawkins JH 1993. A preliminary guide to the identification of dragonfly larvae (*Odonata*) from the Alligator Rivers Region of the Northern Territory. Open file record 102, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hawkings J & O'Connor R 1997. LWRRDC Final Report: Quality assurance of identifications for the MRHI state/territory bioassessment program. Internal report 258, Supervising Scientist, Canberra. Unpublished paper.
- Holdway DA & Wiecek MM 1989. Draft OSS test procedures for the biological testing of waste waters for release into Magela Creek. I. Embryo gudgeon test (*Mogurnda mogurnda*). Open file record 51, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Holdway DA & Wiecek MM 1989. Draft OSS test procedures for the biological testing of waste waters for release into Magela Creek. II. Larval gudgeon test (*Mogurnda mogurnda*). Open file record 52, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Holdway DA, Wiecek MM & Brown VM 1989. Draft OSS test procedures for the biological testing of waste waters for release into Magela Creek. III. Larval rainbowfish test (*Melanotaenia splendida*). Open file record 53, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Holdway DA & Wiecek MM 1989. Draft OSS test procedures for the biological testing of waste waters for release into Magela Creek. IV. Juvenile perchlet test (*Ambassis macleayi*). Open file record 54, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Holdway DA, Wiecek MM, Hyne RV & Rippon GD 1991. OSS procedure for the biological testing of waste waters for release into Magela Creek. I. Embryo gudgeon test (*Mogurnda mogurnda*). Open file record 69, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hooper MA, Vanderzalm JL, Hooper BM, Damar AT, Nurhayati, Ryan BE, Martin P & Maycock C 1998. A study of background air particulate matter in tropical northwest Australia and Southeast Asia. Towards international collaborative research for environmental technologies in the Asia-Pacific region, 4th ETERMET-APR Symposium, Bandung, Indonesia, 23–24 March 1998.
- Hope DM & Webster IT 1993. Evaporation from a mine retention pond: An evaluation of data quality and an assessment of applicable evaporation estimation techniques, CSIRO Centre for Environmental Mechanics. Internal report 122, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hope DM & Webster IT 1994. Estimation of evaporation from a mine retention pond. Open file record 113, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Humphrey CL 1990. Reproduction in the freshwater mussel, *Velesunio angasi* in response to the 1985 release in the Magela Creek. Open file record 68, Supervising Scientist for the Alligator Rivers Region, Canberra.

- Humphrey CL 1991. Metal concentrations in the organs of fishes from Magela Creek billabongs. Internal report 29, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Humphrey CL 1998, LWRRDC Milestone Report 2 Monitoring River Health Initiative, Project ARR1: Temporal variability of macroinvertebrate communities in Australian streams. Internal report 251, Supervising Scientist, Canberra. Unpublished paper.
- Humphrey CL, Brown I & Lewis B 1992. ARRI Creekside monitoring program at Cooper Creek during the 1991/92 Wet season. Internal report 61, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Humphrey CL, Dostine PL, Klessa BA, Walden DJ & Spiers AG 1995. Benthic macroinvertebrate communities in riffle substrates of the upper South Alligator River, NT: Phase 2: Review of data from April/May and October samples 1987–1993. Internal report 196, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Humphrey CL, Dostine PL, Pidgeon RWJ, Brown VM, Johnston A & Faith DP 1994. Biological monitoring of freshwater ecosystems in tropical northern Australia. Internal report 141, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Humphrey C & Douglas M 1997. Use of biological monitoring to detect and assess impact arising from the Goodall mine upon aquatic ecosystems of Ryan Creek. Consultancy report to NT Dept Lands Planning & Environment, Water Resources Division, December 1997. In confidence.
- Humphrey CL, Klessa BA, Norton D, Galbreath R & Walden DJ 1997. Benthic macroinvertebrate communities in riffle substrates of the super South Alligator River, NT: Phase 3: Review of data from May and October samples 1994–1996. Internal report 251, Supervising Scientist, Canberra. Unpublished paper.
- Humphrey C, leGras C, Klessa D, Graham R & Johnston A 1996. Towards a revision of the Australian Water Quality Guidelines for fresh and marine waters: A summary of the preliminary workshop for key users, Jabiru, NT 27–29 February 96. Internal report 216, Supervising Scientist, Canberra.
- Humphrey CL, Lewis BF, Brown I & Suggit JL 1995. *eriss* Protocol for the creekside monitoring of Magela Creek waters: I. Freshwater snail, *Amerianna cumingii*, reproduction and survival test. Internal report 180, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Humphrey C & Pidgeon R 1998. Development of biological monitoring programs used to assess mining impact in the ARR: A report to the Alligator Rivers Region Technical Committee, December 1997. Internal report 286, Supervising Scientist, Canberra. Unpublished paper.
- Humphrey CL, Rippon GD, Hunt SM & Camilleri C (eds) 1994. ANCA Consultancy Report—Project Assessment of Rockhole Mine Creek Rehabilitation 1994. Internal report 158, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Humphrey CL & Simpson RD 1985. The biology and ecology of *Velesunio angasi* (Bivalvia: Hydiidae) in the Magela Creek, Northern Territory (4 parts). Open file record 38, Supervising Scientist for the Alligator Rivers Region, Canberra.

- Humphrey C, Storey A & Thurtell L 1997. LWRRDC Milestone Report 1. Development and implementation of QA/QC protocols for sampling and sorting components of the MRHI agency bioassessment program. Internal report 246, Supervising Scientist, Canberra.
- Humphrey C, Storey A & Thurtell L 1997. LWRRDC Milestone Report 2. Development and implementation of QA/QC protocols for sampling and sorting components of the MRHI agency bioassessment program. Internal report 247, Supervising Scientist, Canberra.
- Humphrey CL, Storey AW & Thurtell L 1997. AUSRIVAS Operator sample processing errors and temporal variability: implications for model sensitivity. Presented to International RIVPACS Workshop, 16–18 September 1995, Jesus College, Oxford, Organised and funded by Institute of Freshwater Ecology and Environment Agency (UK) and the Land and Water Resources Research and Development Corporation (Australia).
- Hunt SM 1995. Use of the local algal species *Chlamydomonas* for toxicity testing in the Alligator Rivers Region. Internal report 172, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hunt SM & Hyne RV 1991. Laboratory procedures and methods, Revised December 1991. Internal report 47, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hyne RV 1990. Toxicants of Ranger uranium mine RP2 water: pH-dependent uranium toxicity to freshwater hydra: First Report, July 1990. Internal report 11, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hyne RV 1990. Toxicants of Ranger uranium mine RP4 water: Investigation of organic toxicants: First Report June 1990. Internal report 8, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hyne RV 1991. Biological toxicity testing of EP1 water at Nabarlek. Internal report 39, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hyne RV 1991. Biological toxicity testing of Gadjerigamundah Creek at Nabarlek. Internal report 42, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hyne RV 1991. Evaluation of environmental factors affecting cladoceran (*Moinodaphnia macleayi*) survival and fecundity. Internal report 45, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hyne RV & Hunt SM 1991. Laboratory Quality Manual, Revised December 1991. Internal report 46, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hyne RV & Hunt SM 1992. Pre-release toxicity testing of EP1 water at Nabarlek, January 1992. Internal report 57, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hyne RV, Miller K, Hunt S & Mannion M 1991. OSS procedures for the biological testing of waste waters for releases into Magela Creek. XI. Cladoceran survival test (*Pseudosida bidentata* or *Moinodaphnia macleayi*). Open file record 71, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Hyne RV & Parry D 1990. Investigation of organic toxicants in Ranger RP4 water. Open file record 73, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Jeffree RA 1985a. Environmental studies of radium-226 metabolism by the freshwater mussel *Velesunio angasi*. PhD Thesis, University of New England.

- Jeffree RA 1991. Experimental studies of ^{226}Ra and radio calcium accumulation from the aquatic medium by freshwater turtles. Open file record 75, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Johnston A 1989. An Assessment of the potential induced biological effects on aquatic animals in the Alligator Rivers Region. Internal report 15, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Johnston A 1993. Future directions in research on the environmental impact of mining. Internal report 112, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Johnston A 1994. Management of the research program of the Alligator Rivers Region Research Institute. Internal report 137, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Johnston A 1994. Submission by the Office of the Supervising Scientist to review of the current commonwealth environmental protection research needs in the Alligator Rivers Region. Internal report 138, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Johnston A, Murray AS, Marten R & Martin P 1988. The transport and deposition of radionuclides discharged into creek waters from the Ranger uranium mine. Open file record 45, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Johnston A, Murray A & Martin P 1997. Radiological standards for the discharge of water from uranium mines in the Alligator Rivers Region. Internal report 233, Supervising Scientist, Canberra.
- Jones A 1996. Statistical description of the scales of spatial variation of benthic macroinvertebrate communities in Magela Creek, Kakadu, NT. Internal report 214, Supervising Scientist, Canberra.
- Jones KL 1992. Determination of natural variation in biological and ecological factors of *Amerianna cumingii* (Gastropoda, Pulmonata) with a view to its use as a pollution monitor for the Ranger uranium mine in Kakadu National Park. Open file record 91, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Jones M 1993. The development of methods to measure the complexing capacity of natural waters and their application to Magela Creek waters. Open file record 112, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Keith G 1991. OSS computer network configuration as at March 1991. Internal report 34, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Keith G 1993. Flex sheet: Version 1.15. Management report 1, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Keith G 1993. Random WQ1: Random number generator version 2.1, October 93. Internal report 128, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Keith G 1993. The development of the biological toxicity testing statistical analyses and reports (BTT SARs) system. Version 2.0. Internal report 114, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Keith G 1995. Water parameters system: Database manager's manual. Internal report 187, Supervising Scientist for the Alligator Rivers Region, Canberra.

- Keith G 1995. Water parameters system: Operator's manual. Internal report 186, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Keith G 1995. Water parameters system: System Supervisor's manual. Internal report 191, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Keith G 1995. Water parameters system: User's manual. Internal report 188, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Kellett JR, Evans WR & Guy DB 1979. Progress report on hydrogeological studies in the Magela and Cooper Creek catchments, Alligator Rivers Region, NT. Open file record 40, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Kessell JA 1983. Some effects of heavy metal and nutrient additions on freshwater algae of the Alligator Rivers Region. Open file record 33, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Kessell JA & Tyler PA 1982. Phytoplankton populations of the Magela Creek system, Alligator Rivers Region, NT. Open file record 18, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Klessa DA, Hunt C, Brennan KG, Templeton S & leGras CAA 1995. The effects of soil storage on soil properties and the soil seed bank and its implications for the rehabilitation of Nabarlek mine site: Final report September 1995. Internal report 193, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Klessa DA & leGras CAA 1994. The effects of soil storage on soil properties, and the soil seed bank and its implications for soil emplacement in the rehabilitation of Nabarlek mine site: A review of the literature and plan of study. Internal report 153, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Klessa DK, leGras CAA, Brennan KG, Snoad N, Hunt C, Templeman S, Cusbert PJ & Bayliss B 1995. The effects of soil storage on soil properties, and the soil seed bank and its implications for the rehabilitation of Nabarlek mine site: Interim Report. 6 monthly report, March 1995 Internal report 179, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Knerr NJA 1998. Grassland community dynamics of a freshwater tropical floodplain: Invasion of *Brachiaria mutica* (Para grass) on the Magela floodplain, Kakadu National Park. Internal report 275, Supervising Scientist, Canberra. Unpublished paper.
- Larsen E, Martin P, Dixon D & Sly L 1996. Preliminary investigation of the bioremediation of radionuclides from contaminated effluent. Internal report 205, Supervising Scientist, Canberra.
- Legler JM 1980. Taxonomy, distribution, and ecology of freshwater turtles in the Alligator Rivers Region, NT. Open file record 2, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Legler JM 1980. The ecology of freshwater turtles in the Alligator Rivers Region, NT. Open file record 66, Supervising Scientist for the Alligator Rivers Region, Canberra.
- leGras CAA, Akber RA & Andrews A 1991. The sulfur-isotope composition of mineral, surface and groundwater samples from the Ranger uranium mine, Northern Territory. Internal report 44, Supervising Scientist for the Alligator Rivers Region, Canberra.

- leGras C, Akber RA & Andrew A 1993. The sulfur-isotope composition of pore water, seepage and infiltration samples from the tailings dam, Ranger uranium mine, Northern Territory. Internal report 126, Supervising Scientist for the Alligator Rivers Region, Canberra.
- leGras CAA, Cusbert PJ & Hunt CW 1991. An evaluation of metal determinations in three aquatic-invertebrate reference materials using two digestion procedures and atomic spectroscopy analysis. Internal report 32, Supervising Scientist for the Alligator Rivers Region, Canberra.
- leGras C & Klessa D 1997. An assessment of the performance of the Ranger RP1 constructed wetland filter during releases in 1995 and 1996. Internal report 255, Supervising Scientist, Canberra. Unpublished paper.
- leGras C & Klessa D 1997. An estimate of temporal solute flux in the catchment of Ranger Retention Pond 1. Internal report 267, Supervising Scientist, Canberra. Unpublished paper.
- leGras C, Klessa D & Hunt C 1997. The soluble yield of radionuclides from fresh Ranger tailings. Internal report 262, Supervising Scientist, Canberra. Unpublished paper.
- leGras C, Klessa D, Hunt C, Ryan B & Cusbert P 1994. The determination of Linear p-Alkylbenzenesulphonate surfactants in fresh water. Internal report 154, Supervising Scientist for the Alligator Rivers Region, Canberra.
- leGras CAA & Marten R 1992. Vertical gradients in the chemical and sulfur-isotope composition of Ranger tailings pore water. Part 1: Gradients in non-radioactive chemical species. Internal report 70, Supervising Scientist for the Alligator Rivers Region, Canberra.
- leGras CAA, Noller BN & McBride TP 1992. Methods for the determination of cadmium and lead in macrophyte tissues using graphite furnace atomic absorption spectrometry. Internal report 73, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Lewis B 1992. The assessment of seven Northern Territory gastropod species for use as biological monitors of Ranger uranium mine retention pond waters. Open file record 100, Supervising Scientist for the Alligator Rivers Region, Canberra.
- MacFarlane WJ 1996. Habitat utilisation by macroinvertebrates and fish and their trophic interactions in Magela Creek. Internal report 211, Supervising Scientist, Canberra. (Thesis)
- Maher S 1991. An investigation of the effect of rill erosion on the long-term stability of above ground waste containment structures of the Ranger uranium mine, Northern Territory, Australia. Internal report 51, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Malden JS 1995. The effect of magnesium sulphate on the germination of plant species native to Kakadu National Park in the Northern Territory of Australia. Open file record 120, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Malipatil MB & Sharley AJ 1986. Methods for quantitative sampling of macroinvertebrates in areas of dense macrophyte growth in Magela Creek, NT. Open file record 49, Supervising Scientist for the Alligator Rivers Region, Canberra.

- Management Transformation Australia 1997. Review of the viability and desirability of relocating the Environmental Research Institute from Jabiru to Darwin: Final Report. Internal report 273, Supervising Scientist, Canberra. Unpublished paper.
- Mannion M 1990. Characterisation of the inducer of an orange-red pigment present in the digestive glands of mussels exposed to Ranger RP4 Water: Final Report, July 1990. Internal report 12, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Mannion M 1990. Comparison of the Microtox, Assay with OSS Bioassays for assessing the toxicity of RP2 and RP4 Waters: July 1990. Internal report 10, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Mannion M 1990. Effect on Velpar, a herbicide, on duckweed and algae from the Alligator Rivers Region: November 1990. Internal report 18, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Markich S & Camilleri C 1996. Investigation of metal toxicity to tropical biota: Recommendations for revision of Australian water quality guidelines. Internal report 223, Supervising Scientist, Canberra.
- Markich SJ, Camilleri C, Franklin N, Reithmuller N & Brown P 1997. Key water quality parameters influencing the toxicity of uranium to freshwater life: Implications for water quality guidelines. Oral presentation. ERA Environmental Research Workshop 1997, Jabiru 5-6 November 1997.
- Marten R 1991. *Quality assurance for low level gamma spectroscopy using HPGe-detectors*. In *Proceedings: Workshop on environmental radiochemistry and radionuclide measurements*. Internal report 33, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Marten R 1992. Procedures for routine analysis of naturally occurring radionuclides in environmental samples by gamma-ray spectrometry with HPGe detectors. Internal report 76, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Martin P 1992. Measurements of groundwater temperature in the vicinity of the Ranger uranium mine. Internal report 68, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Martin P 1996. Uranium and thorium series radionuclides in rainwater at Jabiru and Jabiru East. Internal report 221, Supervising Scientist, Canberra.
- Martin P & Akber RA 1992. Groundwater seepage from the Ranger uranium mine tailings dam: An investigation of radioisotopes of the uranium, through thorium and actinium series. Internal report 60, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Martin P & Akber RA 1995. *Radium isotopes as seepage indicators in the vicinity of a uranium tailings dam*. In *Proceedings: Workshop on environmental radiochemistry and radionuclide measurements*. Internal report 33, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Martin P & Akber RA 1998. Radiological aspects of the rehabilitation of contaminated sites: an overview. In *Radiological aspects of the rehabilitation of contaminated sites*. South Pacific Environmental Radioactivity Association.
- Martin P, Akber RA, Paulka S & Hancock G 1993. Radionuclide analyses of water from Nabarlek evaporation ponds and silt traps. Internal report 117, Supervising Scientist for the Alligator Rivers Region, Canberra.

- Martin P, Hancock G, Johnston A & Murray A 1992. *Bioaccumulation of radionuclides in significant Aboriginal bush foods from the Magela and Cooper Creek systems*. Internal report 78, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Martin P, leGras CAA, Paulka S & Akber RA 1993. Measurements of groundwater temperature and sulphide concentrations at Ranger uranium mines, November 1992. Internal report 98, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Martin P & Murray AS 1991. An investigation of radium isotopes in Nabarlek borewaters. Internal report 38, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Martin P, Paulka S, Akber RA & Pfitzner J 1993. Radionuclide concentrations in runoff from the Ranger land application area. Internal report 108, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Martin P & Ryan B 1995. The 1994/95 Wet season application for release of Ranger RP2 water: Progress report. Internal report 184, Supervising Scientist for the Alligator Rivers Region, Canberra.
- McBride P, Allison HE, Hyne RE & Rippon GD 1991. OSS procedures for the biological testing of waste waters for releases into Magela Creek. X. Cladoceran reproduction test (*Moinodaphnia macleayi*). Open file record 70, Supervising Scientist for the Alligator Rivers Region.
- McBride P, Allison HE, Templeman MA, Brown VB & Holdway DA 1989. Draft OSS test procedures for the biological testing of waste waters for release into Magela Creek. VI. Cladoceran test (*Moinodaphnia macleayi*). Open file record 56, Supervising Scientist for the Alligator Rivers Region.
- McInnes A 1993. Collection, isolation and maintenance of rhizobia from disturbed and undisturbed soils of the ARR. Progress Report for August 1992–March 1993 and status of all aspects of the projects. Internal report 96, Supervising Scientist for the Alligator Rivers Region, Canberra.
- McInnes A 1993. Nitrogen fixation references and other references held by A McInnes. Internal report 97, Supervising Scientist for the Alligator Rivers Region, Canberra.
- McInnes A & Ashwath N 1992. Database for confirmed rhizobial isolates derived from 1991 nodule collection. Internal Report 86, Supervising Scientist for the Alligator Rivers Region, Canberra.
- McInnes A & Ashwath N 1992. Techniques for the collection, isolation, authentication and maintenance of rhizobia. Internal report 84, Supervising Scientist for the Alligator Rivers Region, Canberra.
- McIntyre WD 1993. Seed germination in a selection of species native to Kakadu National Park. Open file record 110, Supervising Scientist for the Alligator Rivers Region, Canberra.
- McKenzie A 1991. Airborne transport of material. Open file record 74, Supervising Scientist for the Alligator Rivers Region, Canberra.
- McLaughlin M 1993. A study on the germination characteristics of 27 trees, shrub and palm species from the Alligator Rivers Region, Northern Territory. Open file record 108, Supervising Scientist for the Alligator Rivers Region, Canberra.

- McQuade C 1994. A summary of information relating to high uranium levels in Magela Creek derived from the primary crusher feed ore stockpile. Internal report 152, Supervising Scientist for the Alligator Rivers Region, Canberra.
- McQuade C 1994. Simulation modelling of water disposal from the Ranger mine tailings water management system during rehabilitation. Internal report 150, Supervising Scientist for the Alligator Rivers Region, Canberra.
- McQuade CV 1994. Probability of disposing of water from the Nabarlek water management system for site rehabilitation. Internal report 155, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Midgley SH 1980. Report on fish breeding program conducted at the Alligator Rivers Region Research Institute, Jabiru, NT, during the period 7 November 1979 to 1 March 1980. Open file record 9, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Mills JR & Associates 1980. Review of the hydrogeological program in the Alligator Rivers Region. Open file record 15, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Molire D, Evans K, Riley S & Willgoose G 1997. Erosion and DISTFW hydrology model parameters for Tin Camp Creek catchments, Arnhem Land, Northern Territory. Internal report 237, Supervising Scientist, Canberra.
- Morgan AR 1994. Erosional stability of mine rehabilitation. Internal report 135 (thesis), Supervising Scientist for the Alligator Rivers Region, Canberra.
- Morton S, Brennan K & Armstrong M 1991. *Distribution and abundance of waterbirds in the Alligator Rivers Region, Northern Territory*. Open file record 86 Supervising Scientist for the Alligator Rivers Region, Canberra.
- Murray AS, Johnston A, Martin P, Hancock G, Marten R & Pfitzner J 1992. *Transport of naturally occurring radionuclides in the surface waters of Magela Creek and flood plain, northern Australia*. Open file record 93, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Nanson GC, East TJ, Roberts RG, Clark RL & Murray AS 1989. Quaternary evolution and landform stability of Magela Creek catchment, near the Ranger uranium mine, northern Australia. Open file record 63, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Nanson GC, Roberts R & East TJ 1990. Contemporary bedload sediment transport processes and storage elements of Magela Creek in the vicinity of the Ranger uranium mine: Methodology and preliminary findings, April 1987. Open file record 64, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Neave M 1991. Inter-rill erosion processes: A study of degradation of the Ranger uranium mine waste rock dump. Internal report 50, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Needham S 1997. Achievements and challenges for joint industry-government initiatives in Best Environmental Practice in mining. In *Demonstrating environmental excellence 97*. Proceedings of the 22nd Annual Environmental Workshop, 12–17 October 1997, Adelaide. Minerals Council of Australia 609–616.

- Needham S, Mau G, Ziolkowski F & Chandrasekaran M 1997. An Australian initiative to promote best practice environmental management in mining. *Mining Indonesia Conference '97*, 5–6 November 1997 Jakarta.
- Needham S & Waggitt P 1998. Creating transparency: Stakeholder involvement in environmental management of the Northern Territory uranium mines. Proceedings of the 2nd Uranium Summit Conference, Adelaide 11–12 February 1998, AIC Conferences Ltd, Sydney.
- Needham S & Waggitt P 1998. Planning mine closure and stewardship in a World Heritage Area: Alligator Rivers Region, Northern Territory, Australia. US Department of Energy Mine Stewardship Workshop, 2–3 June 1998, Denver. 147–160.
- Needham S & Zapantis AP 1997. A case study of mine development in the Kakadu region. *SWEMP '98*, 18–20 May 1998, Ankara.
- NLC & *eriss* 1997. A joint submission on the future management of *Mimosa pigra* by the Northern Land Council and the Environmental Research Institute of the Supervising Scientist. Internal report 236, Supervising Scientist, Canberra.
- Noller BN 1990. Disposal of chemicals: ARRI. Internal report 4, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Noller BN 1994. A study of the mixing zone of discharged waters during the 1985 release of RP4 waters to Magela Creek. Internal report 143, Supervising Scientist for the Alligator Rivers Region, Canberra.
- O'Connor R, Humphrey C, Dostine P, Lynch C & Spiers A 1996. A survey of aquatic macroinvertebrates in lentic waterbodies of Magela and Nourlangie Creek catchments, Alligator Rivers Region, NT. Internal report 225, Supervising Scientist, Canberra.
- O'Connor R, Humphrey C & Lynch C 1997. Macroinvertebrate community structure in Magela Creek between 1988 and 1996: Preliminary analysis of monitoring data. Internal report 261, Supervising Scientist, Canberra. Unpublished paper.
- O'Connor R, Humphrey C, Lynch C & Klessa B 1997. A survey of aquatic macroinvertebrates in lentic waterbodies of Magela and Nourlangie Creek catchments, Alligator Rivers Region, NT: Second year of data 1996. Internal report 242, Supervising Scientist, Canberra.
- Office of the Supervising Scientist 1986a. Application of the best practicable technology to water management at Ranger uranium mine. Open file record 44, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Office of the Supervising Scientist 1986b. Some papers relevant to the application of the best practicable technology to water management at Ranger uranium mine, Northern Territory, Australia. Open file record 47, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Office of the Supervising Scientist 1992c. ASTEC Inquiry into research and technology in tropical Australia. A submission by the Office of the Supervising Scientist. Internal report 87, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Office of the Supervising Scientist 1994. Office of the Supervising Scientist Annual Work Program 1994–95. Internal report 167, Supervising Scientist for the Alligator Rivers Region, Canberra.

- Office of the Supervising Scientist 1994. Office of the Supervising Scientist Annual Work Program 1995–96. Internal report 198, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Office of the Supervising Scientist Supervisory and Assessment Branch 1993. Supervisory and Assessment Branch: Annual work program 1993–94 July 93. Internal report 127, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Padovan A 1991. Laboratory culture of seven mono-algal species isolated from waters within the Alligator Rivers Region of the Northern Territory. Internal report 41, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Paltridge R 1992. Macroinvertebrate recolonisation of a tropical temporary stream. Open file record 99, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Parry DL 1992. Investigation of organic toxicants in Ranger RP4 water: Phase two. Open file record 90, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Parry DL & Hyne RV 1991. Investigation of organic toxicants in Ranger RP4 water. Open file record 73, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Paulka S, Martin P, Hancock G & Akber RA 1993. Radionuclide analyses of water from Ranger Uranium Mine retention ponds and tailings dam. Internal report 129, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Paulka S & Pfitzner 1994. *eriss* Radiation dose and contamination survey. Internal report 170, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Pedretti YM 1998. Wetland management and monitoring: Adequacy of Ramsar information sheets for detecting change in ecological character. Internal report 271, Supervising Scientist, Canberra. Unpublished paper.
- Petersen MCE 1991. Radon Transport Code Application Model. Internal report 35, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Petersen MCE, Clark GH & Akber R 1992. An atmospheric transport and dispersion model to estimate radon and radon daughter concentrations and exposure in the vicinity of Ranger uranium mine. Open file record 89, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Pfeifle V 1996. The effect of the herbicide Tebuthiuron on two tropical non-target freshwater organisms. Internal report 218, Supervising Scientist, Canberra.
- Pfitzner J 1994. Sample collection and preparation manual for gamma-ray spectrometry analysis. Internal report 169, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Pfitzner J & Davy M 1994. OSS tower climbing practices and rescue procedures manual. Management report 2, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Pfitzner J, Paulka S & Akber RA 1993. A short term measurement of radon and radon daughter concentrations at the bit shed near mine office of Ranger uranium mine. Internal report 95, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Pfitzner J & Whittlestone S 1991. Automatic environmental radon stations: Operators manual. Internal report 25, Supervising Scientist for the Alligator Rivers Region, Unpublished report.

- Pickup G, Wasson RJ, Warner RF & Tongway D 1987. Geomorphic research for the long term management of uranium mill tailings (Published as Divisional Report 87/2 CSIRO, Institute of Natural Resources and Environment, Division of Water Resources Research.) Open file record 21, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Pidgeon R & Boyden J 1993. Fish migration data collected during 1991/92 Wet season. Internal report 99, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Pidgeon R & Boyden J 1993. Patterns in migration and resident fish. Internal report 101, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Pidgeon RWJ & Boyden J 1997. Report on preliminary survey of freshwater fish in the Djelk wetlands, November 1996. Internal report 265, Supervising Scientist, Canberra. Unpublished paper.
- Pidgeon RWJ & Boyden JM 1995. Assessment of the recovery of Gadjarigamundah Creek from the effects of land application of waste water at Nabarlek uranium mine using fish community structure: Report for project 2220. Internal report 196, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Pidgeon RWJ & Boyden JM 1997. Proposal for a survey of freshwater fish in the Djelk wetlands for the evaluation of potential commercial harvesting of aquarium fish and associated trip report to Mann River and Maningrida during November 1997. Internal report 266, Supervising Scientist, Canberra. Unpublished paper.
- Pidgeon R, Boyden J & Humphrey C 1992. Biological monitoring of fish communities in Mudginberri Billabong, Magela Creek. Review of methods and data from 1988–1992 sampling. Internal report 83, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Pidgeon R, Boyden J & Humphrey C 1993. Procedures for routine monitoring fish migration at the Ranger release pipe on Magela Creek. Internal report 100, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Pidgeon R, leGras C & Lindner G 1997. Goose Camp 96: A natural fish kill in Kakadu National Park, NT, with implications for possible future effects of saltwater intrusion and global warming. Unpublished paper presented to the Australian Society of Fish Biology Annual Conference, Darwin NT 17–19 July 1997, Northern Territory University, Darwin.
- Pidgeon R, Walden D & Humphrey C 1992. Biological monitoring using freshwater fish communities in the upper South Alligator River catchment: Review of methods and data from 1989–1991 sampling. Internal report 85, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Richmond E 1993. Selection of a bait plant and optimising techniques for the multiplication of vesicular-arbuscular mycorrhizal fungi at Jabiru, Northern Territory. Open file record 109, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Riley SJ 1990. Erosional stability of waste rock batters under simulated rainfall: Report on progress, January 1990. Internal report 3, Supervising Scientist for the Alligator Rivers Region, Unpublished report.

- Riley SJ 1990. Erosional stability of waste rock batters under simulated rainfall: Second report on progress, June 1990. Internal report 7, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Riley SJ 1990. Erosional stability of waste rock batters under simulated rainfall: Third report on progress, December 1990. Internal report 19, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Riley SJ 1991. Analysis of pluviometer records, Darwin and Jabiru. Internal report 48, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Riley SJ 1992. Modelling hydrogeomorphic processes to assess the stability of rehabilitated landforms, Ranger uranium mine, Northern Territory, Australia. Internal report 55, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Riley SJ 1992. Small scale studies of the erodibility of Ranger waste rock dump. Internal report 64, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Riley SJ 1994. Geomorphology: Five year strategic plan. Internal report 144, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Riley SJ 1994. Hydrological monitoring of Tin Camp Creek mica and quartz catchments, 1993–1994 Wet season. Internal report 151, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Riley SJ 1995. Rainsplash experiments using microplots under simulated rain: Ranger waste rock dump. Internal report 176, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Riley S 1997. The sediment concentration: Turbidity relation: Its value in monitoring at Ranger uranium mine. Internal report 235, Supervising Scientist, Canberra.
- Riley SJ 1997. The sediment concentration—turbidity relation: Its value in monitoring at Ranger uranium mine, Northern Territory, Australia. Internal report 249, Supervising Scientist, Canberra. Unpublished paper.
- Riley SJ & Erskine WD 1994. Human impacts on the hydrologic regime of NSW rivers. Internal report 166, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Riley SJ, Finnegan L & Gardiner B 1993. Waste rock dump rainfall simulation experiments: 1991 ripped sites. Internal report 106, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Riley SJ & Gardiner B 1992. Strategy for monitoring erosion on the waste rock dump. Internal report 65, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Riley SJ & Gardiner B 1995. Stemflow experiments, Ranger uranium mine, Northern Territory, Australia. Internal report 192, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Riley SJ & Rich J 1995. Geochemical data for the analogue study: Alligator Rivers Region. Internal report 173, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Riley SJ & Waggitt PW 1992. Issues on the acceptable design life of structures to contain mill tailings. Internal report 58, Supervising Scientist for the Alligator Rivers Region, Canberra.

- Riley SJ, Waythe S & Goss H 1995. Rainsplash under different vegetation covers: Ranger uranium mine. Internal report 178, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Rippon GD 1990. Characterisation of enzyme systems for development as a rapid screening method for environmental pollutants: First Report February 1990. Internal report 6, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Rippon GD 1991. Characterisation of enzyme systems for development as a rapid screening method for environmental pollutants. Internal report 43, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Rippon GD, Brown I & Elliott R 1994. Impact on aquatic animals arising from dispersal of erosion products from rehabilitated mine sites. Internal report 157, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Rippon GD & leGras CA 1993. Proceedings of a Workshop on water flea diet and its effect on toxicity testing and uranium toxicity. Internal report 103, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Rippon GD, leGras CA, Hyne RV & Cusbert PJ 1991. Toxic effects of cyanide on aquatic animals of the Alligator Rivers Region. Internal report 27, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Rippon G & McBride P 1994. Biological toxicity testing of Gadjarrigamarndah Creek water at Nabarlek: Final report for project 2108. Internal report 142, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Roberts D 1978. East Alligator Rivers film research record. Open file record 35, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Roberts RG 1991. Sediment budgets and quaternary history of the Magela Creek catchment, tropical northern Australia. Open file record 80, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Ryan B 1993. The calibration of the Alligator Rivers Region Research Institute Macquarie University rainfall simulator. Internal report 115, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Sadlier R 1991. A report on the reptiles encountered in the Jabiru project area. Open file record 5, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Saynor MJ 1996. Validation of the SIBERIA landform evolution model: Background information on the Nabarlek minesite. Internal report 210, Supervising Scientist, Canberra.
- Saynor MJ, Evans KG, Smith BL & Willgoose GR 1995. Experimental study on the effect of vegetation on erosion of the Ranger uranium mine waste rock dump. Internal report 195, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Saynor MJ, Evans KG, Smith BL & Willgoose GR 1996. Experimental study on the effect of vegetation on erosion of the Ranger uranium mine waste rock dump: Rainfall simulation data May 1995 erosion and hydrology model calibration. Internal report 200, Supervising Scientist, Canberra.

- Saynor MJ & Hall R 1998. Impacts of flooding on the South and East Alligator Rivers and the coastal margin between 30th and 31st of January 1998. Internal report 277, Supervising Scientist, Canberra. Unpublished paper.
- Sharley AJ 1991. The significance of trace metal export by insects emerging from waterbodies in the Magela Creek, Jabiru, Northern Territory. MSc thesis, Monash University.
- Sharley AJ & Malipatil MB 1986. Aquatic insect emergence from waterbodies in the vicinity of Ranger uranium mine, Jabiru, Northern Territory. Open file record 48, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Skidmore JF 1980. Report on the ecotoxicology project conducted at Jabiru, NT, January–February 1980. Open file record 12, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Snowy Mountains Engineering Corporation 1978. Ranger uranium mines tailings retention system: review of assessment of effectiveness of impervious membrane in controlling seepage. Open file record 36, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Snowy Mountains Engineering Corporation 1979. Nabarlek uranium project: review of civil engineering aspects. Open file record 29, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Speers AC 1996. The speciation of manganese, iron and aluminium in Magela Creek NT and its implications to contaminant transport. Internal report 202 Supervising Scientist, Canberra.
- Speers A & leGras C 1997. The extent of contamination of samples for carbon analysis by contact with plastic surfaces. Internal report 254, Supervising Scientist, Canberra. Unpublished paper.
- Spiers AG (ed) 1997. Wetland training course: Resource material. Internal report 263, Supervising Scientist, Canberra. Unpublished paper.
- Staff of the Office of the Supervising Scientist, *OSS* Annual work program 1996–1997. Internal report 227, Supervising Scientist, Canberra.
- Staff of the Supervising Scientist Group 1997. Supervising Scientist Group, Uranium Mining, Audit and Review Branch: Annual work program 1997–98. Internal report 253, Supervising Scientist, Canberra. Unpublished paper.
- Storrs MJ & Finlayson CM 1996. Overview of the conservation status of wetlands of the Northern Territory. Internal report 206, Supervising Scientist, Canberra.
- Storm J & Martin P 1995. Shed decommissioning and gamma survey of field experiment land plot. Internal report 190, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Stowar M 1997. Effects of suspended solids on benthic macroinvertebrate fauna downstream of a road crossing, Jim Jim Creek, Kakadu National Park. Internal report 256, Supervising Scientist, Canberra. Unpublished paper.
- Stowar M, Pidgeon R & Humphrey C 1996. Effects of suspended solids on stream biota downstream of a road crossing on Jim Jim Creek, Kakadu National Park: Preliminary results. Internal report 230, Supervising Scientist, Canberra.

- Stowar M, Pidgeon B, Humphrey C & Boyden J 1997. Effects of suspended solids on stream biota downstream of a road crossing on Jim Jim Creek, Kakadu National Park: Final report. Internal report 244, Supervising Scientist, Canberra.
- Suggit J 1992. The use of freshwater snails to monitor mine release water in Kakadu National Park. Open file record 98. Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Supervising Scientist for the Alligator Rivers Region 1998. Annual Research Summary 1991–1992. Internal report 276, Supervising Scientist, Canberra. Unpublished paper.
- Suter PJ 1992. Taxonomic key to the Ephemeroptera (mayflies) of the Alligator Rivers Region, Northern Territory. Open file record 96. Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Thurtell L 1997. Macroinvertebrates of the Djelk wetlands. Internal report 234, Supervising Scientist, Canberra.
- Thurtell L, Pidgeon B & Yibarbuk D 1997. Aboriginal land management: Can scientists help? Internal report 269, Supervising Scientist, Canberra. Unpublished paper.
- Thurtell L, Pidgeon B & Yibarbuk D 1997. Aboriginal wetland management: Can scientists help? Presented at Australian Society for Limnology, 36th Congress, Albury NSW. 27–29 September 1997 (Oral paper).
- Tien Anh T 1996. The preparation of a project management database in environmental chemistry. Internal report 222, Supervising Scientist, Canberra.
- Tims S & Ryan B 1998. γ radiation surveys of El Sherana camp site and Sleisbeck pit and waste rock piles. Internal report 284, Supervising Scientist, Canberra. Unpublished paper.
- Todd R, Akber RA & Martin P 1998. ^{222}Rn and ^{220}Rn activity flux from the ground in the vicinity of Ranger uranium mine. Internal report 279, Supervising Scientist, Canberra. Unpublished paper.
- Tripodi E 1997. Temporal and spatial variations in the macroinvertebrate communities of the seasonally flowing portions of Magela Creek, Northern Territory. Internal report 240, Supervising Scientist, Canberra.
- Twining JR 1988a. Radium-226 accumulation by the waterlily, *Nymphaea violacea*. Open file record 60, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Tyler MJ & Cappo M 1983. Diet and feeding habits of frogs of the Magela Creek system. Open file record 10, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Tyler MJ, Watson GF, Davies M & Crook GA 1981. Frogs as environmental monitoring organisms. Program A: Abnormalities in frogs. Open file record 24, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Tyler MJ, Watson GF, Davies M & Crook GA 1981d. Frogs as environmental monitoring organisms. Program B: embryological and developmental studies of frogs. Open file record 19, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Uren C 1990. OSS/Rum waste rock batter stability trial: Second report, November 1990. Internal report 17, Supervising Scientist for the Alligator Rivers Region, Canberra.

- Uren CJ 1990. OSS/RUM waste rock batter stability trial: First report, November 1989. Internal report 2, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Uren CJ 1991. The application of geomorphic variables for improving the erosional stability of artificial hill slopes at the Ranger uranium mine. Open file record 79, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Uren CJ 1992. An investigation of surface geology in the Alligator Rivers Region for possible analogues of uranium mine rehabilitation structures. Internal report 56, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Uren CJ 1992. Erosional stability of waste rock batters: ICP-MS results. Internal report 89, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- van Dam RA, Camilleri C & Finlayson CM 1998. The potential of rapid assessment techniques as early warning indicators of wetland degradation. Internal report 282, Supervising Scientist, Canberra. Unpublished paper.
- van Dam RA, Camilleri C & Turley C 1998. Preliminary assessment of petroleum hydrocarbons in water and sediment at Yellow Water, Kakadu National Park. Internal report 283, Supervising Scientist, Canberra. Unpublished paper.
- Vardavas IM 1990. Computer program and documentation for FIBO: A Fibonacci search technique for model parameter selection. Open file record 65, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Vardavas IM 1991. Modelling groundwater containment migration from the Ranger uranium tailings repository. Internal report 37, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Vardavas IM & Cannon LM 1991. A simple model for monthly runoff from tropical catchments: Application to catchments in the Alligator Rivers Region. Internal report 36, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Vernon G 1994. Report on the implementation of the HPGe detector F for use *in situ*. Internal report 161, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Waggitt P 1997. Evaluating best practice tailings management. Proceedings for the conference *New technologies and cost saving innovations for successful tailings management* 29–30 October 1997, Sydney.
- Waggitt PW 1998. Best Practice Tailings Management: Principles and practice. *Proceedings of the Inaugural Asia Pacific Mine Tailings and Waste Management Summit*, Singapore 13–15 May 1998. AIC Conferences Ltd, Sydney.
- Waggitt PW 1998. Introduction of modern environmental management and regulation at Christmas Island Phosphates, Australia. *Proceedings of SWEMP 98, 5th International Symposium on Environmental issues and waste management in energy and mineral production*, Ankara, Turkey, 18–20 May 1998.
- Waggitt PW 1998. The decommissioning and rehabilitation of the Nabarlek uranium mine, northern Australia. *Proceedings of SWEMP 98, 5th International Symposium on Environmental issues and waste management in energy and mineral production*, Ankara, Turkey, 18–20 May 1998.

- Waggitt P & Devonport C 1993. A guide to organising and planning a scientific conference or workshop in the Top End. Internal report 125, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Waggitt PW & Hood V 1997. Introducing environmental planning and the environmental performance review process to the Christmas Island Phosphate mine. Proceedings of the 22nd Annual Environmental Workshop, 12-17 October 1997, Adelaide. Minerals Council of Australia, 232-239.
- Waggitt PW & Riley SJ 1992. Stabilisation objectives for the rehabilitation of the Ranger uranium mine. Internal report 66, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Waggitt PW, Riley SJ, Devonport C & Fitzpatrick B 1993. *NARGIS 93 Abstracts*. Internal report 119, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Waggitt P, Riley S & McQuade C 1993. WRD 1993: Waste rock dump symposium. Internal report 123, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Walker TD 1984. Limnological characteristics of some tropical Australian river catchments. PhD Thesis, University of Tasmania.
- Walker TD, Kirk JTO & Tyler PA 1982. The underwater light climate of billabongs of the Alligator Rivers Region, NT. Open file record 20, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Walker TD & Tyler PA 1982. Chemical characteristics and nutrient status of billabongs of the Alligator Rivers Region, NT. Open file record 27, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Walker TD & Tyler PA 1983. Primary productivity of phytoplankton in billabongs of the Alligator Rivers Region. Open file record 8, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Walker TD, Waterhouse J & Tyler PA 1984. Thermal stratification and the distribution of dissolved oxygen in billabongs of the Alligator Rivers Region, NT. Open file record 28, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Watkins D, Brennan K, Lange C, Jaensch R & Finlayson M 1997. Management planning for Ramsar sites in the Kimberley region of Western Australia. Internal report 239, Supervising Scientist, Canberra.
- Watson JAL 1980. Entomological monitoring: Magela Creek system Odonata (dragonflies and damselflies) (first report). Open file record 13, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Watson JAL 1981. Entomological monitoring: Magela Creek system Odonata (dragonflies and damselflies) (final report) Published as Report No 21, CSIRO, Division of Entomology. Open file record 14, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Wells A 1991. A guide to the Caddisflies (Trichoptera) of the Alligator Rivers Region, Northern Territory. Open file record 84, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Whittlestone S 1991. Radon and radon daughter transport from Ranger uranium mine. Open file record 77, Supervising Scientist for the Alligator Rivers Region, Unpublished report.

- Willett IR, Akber RA & Bond WJ 1991. The fate of water and solutes following irrigation with Retention Pond 2 Water at the Ranger uranium mine: Summary of the Final Report. Internal report 26, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Willett IR, Bond WJ, Lynch DJ, Campbell GD & Akber RA 1992. The fate of water and solutes following irrigation with retention pond water at Ranger uranium mine. Open file record 92, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Willgoose G 1995. A preliminary assessment of the effect of vegetation on the long-term erosional stability of the proposed above-grade rehabilitation strategy at Ranger uranium mine. Open file record 119, Supervising Scientist for the Alligator Rivers Region, Canberra.
- Willgoose G & Loch R 1996. An assessment of the Nabarlek rehabilitation, Tin Camp Creek and other mine sites in the Alligator Rivers Region as test sites for examining long term erosion processes and the validation of the SIBERIA model. Internal report 229, Supervising Scientist, Canberra.
- Willgoose G & Riley S 1992. Application of a catchment evolution model to the prediction of long term erosion on the spoil heap at Ranger uranium mine: Stage 1 report. Open file record 107, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Williams DK & Riley SJ 1992. Some geomorphic thresholds related to gullying Tin Camp Creek, Arnhem Land, Northern Territory, Australia. Internal report 59, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Williams NJ, Kool KM & Simpson RD 1983. Toxicity of copper to three Magela Creek fishes and a shrimp in simulated Gulungul Creek water. Open file record 7, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Williams SJ, Camilleri C & van Dam RA 1998. Assessment of the suitability of the black-striped rainbowfish (*Melanotaenia nigrans*) as a laboratory toxicity testing organism. Internal report 272, Supervising Scientist, Canberra. Unpublished paper.
- Woods DA 1986. Radiation protection: A Federal perspective. Notes on lecture given to Radiation Safety Officers at Ranger uranium mine. Open file record 42, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Woods DA 1987. Bioassay for uranium. Open file record 43, Supervising Scientist for the Alligator Rivers Region, Unpublished report.
- Yonga MM 1996. Symbiotic characteristics and genetic diversity of rhizobia nodulating some native leguminous trees and shrubs. PhD thesis, The Australian National University.