

References

- Acreman, M. 2005. Linking science and decision-making: features and experience from environmental flow setting. *Environmental Modelling and Software* **20**: 99–109
- Alexander, P., Nielsen, D.L. & Bias, D. 2008. Response of wetland plant communities to inundation within floodplain landscapes. *Ecological Management and Restoration* **9**: 187–195
- Analytical Software. 2000. *Statistix 7*. Analytical Software, Tallahassee.
- ANRA. 1995. Australian Natural Resources Atlas. Water Resources - Availability - Surface Water Measurement Station: GWYDIR RIVER D/S COPETON DAM - DWR (ID: 418026). Sourced from: www.anra.gov.au/topics/water/availability/swms/swms-418026.html
- ANZECC & ARMCANZ 2000. *Australian and New Zealand guidelines for fresh and marine water quality, Australian and New Zealand environment and conservation council: Agricultural and Resource Management Council of Australia and New Zealand.*
- Arthington, A.H., Balcombe, S.R., Wilson, G.G., Thoms, M.C. & Marshall, J. 2005. Spatial and temporal variation in fish assemblage structure in isolated waterholes during the 2001 dry season of an arid-zone floodplain river, Cooper Creek, Australia. *Marine and Freshwater Research* **56**: 23–35
- Bacon, P.K., Ward, P., Craven, B., Bone, M., Harper, M., Maher, H., Tane & Briggs, S. 1992. *Floodplain Land Use Issues in the Murray-Darling Basin*. Paper presented at the Murray-Darling Basin Floodplain Wetlands Management Workshop – Discussion Papers, Albury, New South Wales.
- Balcombe, S.R. & Arthington, A.H. 2009. Temporal changes in fish abundance in response to hydrological variability in a dryland floodplain river. *Marine and Freshwater Research* **60**:146–59
- Balcombe, S. R., Arthington, A. H., Foster, N. D., Thoms, M. C., Wilson, G.G. & Bunn, S. E. 2006. Fish assemblages of an Australian dryland river: abundance, assemblage structure and recruitment patterns in the Warego River, Murray-Darling Basin. *Marine and Freshwater Research* **57**: 619–633
- Baldwin, D.S. & Mitchell, A. 2000. The effects of drying and re-flooding on the sediment or soil nutrient dynamics of lowland flood plain systems: synthesis. *Regulated Rivers: Research and Management* **16**: 457–468
- Baumgartner, L., Reynoldson, N., Cameron, L. & Stanger, J. 2007. *The effects of selected irrigation practices on fish of the Murray-Darling Basin*. New South Wales Department of Primary Industries, Narrandera, New South Wales.
- Bennett, M. & Green, J. 1993. *Preliminary assessment of Gwydir Wetland water needs*. NSW Department of Water Resources, Technical Services Division, Sydney, New South Wales.
- Bennett, R.L. 1996. *Macroinvertebrates of the Gwydir River, Northern NSW*. School of Natural Resources, University of New England, Armidale, New South Wales.
- Berkman, H.E. & Rabeni, C.F. 1987. Effects of siltation on fish communities. *Environmental Biology of Fishes* **18**: 286–294
- Blanch, S. J. & Walker, K. F. 1997. Littoral plant life history strategies and water regime gradients in the Lower River Murray, South Australia. *Internationale Vereinigung für Theoretische und Angewandte Limnologie* **26**: 1814–1820.
- Boedeltje, G., ter Heerdt, G. N. J. & Bakker, J.P. 2002. Applying the seedling-emergence method under waterlogged conditions to detect the seed bank of aquatic plants in submerged sediments. *Aquatic Botany* **72**: 121–128

- BOM. 2007. Climate records for Moree weather stations. Supplied by the Commonwealth of Australia Bureau of Meteorology.
- Boulton, A.J., Sheldon, F. & Jenkins, K.M. 2006. Natural disturbance and aquatic invertebrates in desert rivers. Pp. 133–153 In: Kingsford, R.T. (ed). *Ecology of Desert Rivers*, Cambridge University Press, Cambridge, UK.
- Boulton, A.J. & Brock, M.A. 1999. *Australian freshwater ecology: Processes and management*. Gleneagles Publishing, Glen Osmond, South Australia.
- Brock, M. 1998. Are temporary wetlands resilient? Evidence from seed banks of Australian and South African wetlands. Pp 193–206 In *Wetlands for the future*. Eds A.J. McComb and J. A. Davis. Gleneagles Publishing.
- Brock, M. & Casanova, M. 1997. Plant life at the edge of wetlands: ecological responses to wetting and drying patterns. Pp 182–192 In: Klomp, N. & Lunt, I. (eds) *Frontiers in Ecology: Building the Links*. Elsevier Science, Oxford.
- Brock, M.A., Nielsen, D.L. & Crosslé, K. 2005. Changes in biotic communities developing from freshwater wetland sediments under experimental salinity and water regimes. *Freshwater Biology* **50**: 1376–1390
- Bunn, S.E. & Arthington, A.H. 2002. Basic principles and ecological consequences of altered flow regimes for aquatic biodiversity. *Environmental Management* **30**: 492–507
- Burns, A. & Ryder, D.S. 2001. Potential for biofilms as biological indicators in Australian riverine systems. *Ecological Management & Restoration* **2**: 53–63
- Burns, A. & Walker, K.F. 2000. Effects of water level regulation on algal biofilms in the River Murray, South Australia. *Regulated Rivers: Research & Management* **16**: 433–444
- Caddy, H. 2005. *Lower Gingham Watercourse Floodplain management study*. New South Wales Department of Infrastructure, Planning and Natural Resources, Sydney, New South Wales.
- Chong, J. & Ladson, A. R. 2003. Analysis and management of unseasonal flooding in the Barmah-Millewa Forest, Australia. *River Research and Applications* **19**: 161–180
- Choy, S.C., Marshall, J.C. & Conrick, D.L. 2000. Chapter 8. Flow requirements of Aquatic Invertebrates. Pp 219–263 In: Arthington, A.H., Brizga, S.O., Choy, S.C., Kennard, M.J., Mackay, S.J., McCosker, R.O., Ruffini, J.L. & Zalucki, J.M. *Environmental flow requirements of the Brisbane River downstream from Wivenhoe Dam*. Southeast Queensland Water Corporation Ltd. and Centre for Catchment and In-stream Research, Griffith University, Brisbane.
- Copeland, C., Schooneveldt-Reid, E. & Neller, S. 2003. *Fish Everywhere: An oral history of fish and their habitats in the Gwydir River*. New South Wales Fisheries. Ballina, New South Wales.
- Courtney, J. 1997. *An annotated list of the species of frogs (Amphibia: Anura) recorded from the Gwydir Wetlands, Moree*. Swan Vale, Glen Innes, New South Wales.
- Clarke, K.R. & Gorley, R.N. 2006. *PRIMER v6: User Manual/Tutorial* PRIMER-E, Plymouth.
- Clarke, K.R. & Warwick, R. M. 2001. *Change in marine communities: an approach to statistical analysis and interpretation, 2nd edition*. PRIMER-E: Plymouth.
- Cummins, K.W., Cushing, C.E. & Minshall, G.W. 1995. Introduction: an overview of stream ecosystems. Pp 1–8 In Cushing, C.E., Cummins, K.W. & Minshall, G.W. (eds) *Ecosystems of the World*, vol. 22, *River and Stream Ecosystems*. Elsevier, Amsterdam.
- Davis, J.A. & Barmuta, L.J. 1989. An ecologically useful classification of mean and near-bed flows in streams and rivers. *Freshwater Biology* **21**: 271–282
- Dent, L.C., Cumming, G.S. & Carpenter, S.R. 2002. Multiple states in river and lake ecosystems. *Philosophical Transactions of the Royal Society of London, Series B: Biological Sciences* **357**: 635–645

- Doupé, R.G. & Pettit, N.E. 2002. Ecological perspectives on regulation and water allocation for the Ord River, Western Australia. *River Research and Applications* **18**: 307–320
- Downes, B.J., Barmuta, L.A., Fairweather, P.G., Faith, D.P., Keough, M.J., Lake, P.S., Mapstone, B.D. & Quinn, G.P. 2002. *Monitoring ecological impacts. Concepts and practise in flowing waters*. Cambridge University Press, Cambridge, UK.
- Driver, P.D., Harris, J.H., Closs, G.P. & Koehn, T.B. 2005. Effects of flow regulation on carp (*Cyprinus carpio* L.) recruitment in the Murray-Darling Basin, Australia. *River Research and Applications* **21**: 327–335
- Fellows, C. S., Wos, M. L., Pollard, P. C. & Bunn S. E. 2007. Ecosystem metabolism in a dryland river waterhole. *Marine and Freshwater Research* **58**: 250–262
- Finlay, B.J., Maberly, S.C. & Cooper, J.I. 1997. Microbial diversity and ecosystem function. *Oikos* **80**: 209–213
- Fitz, H.C., DeBellevue, E.B., Costanza, R., Boumans, R., Maxwell, T., Wainger, L. & Skar, F.H. 1996. Development of a general ecosystem model for a range of scales and ecosystems. *Ecological Modelling* **88**: 263–295
- Gehrke, P.C. 1991. Avoidance of inundated floodplain habitat by larvae of golden perch (*Macquaria ambigua* Richardson): influence of water quality or food distribution? *Australian Journal of Marine and Freshwater Research* **42**: 707–719
- Gehrke, P.C. & Harris, J.H. 2001. Regional-scale effects of flow regulation on lowland riverine fish communities in New South Wales, Australia. *Regulated Rivers: Research & Management* **17**: 369–391
- Gehrke, P.C., Brown, P., Schiller, C.B., Moffat, D.B. & Bruce, A.M. 1995. River regulation and fish communities in the Murray-Darling River system, Australia. *Regulated Rivers: Research and Management* **11**: 363–375
- Growns, I. 2008. The influence of changes to river hydrology on freshwater fish in regulated rivers of the Murray-Darling Basin. *Hydrobiologia* **596**: 203–211
- Growns, I., Astles, K. & Gehrke, P.C. 2006. Multiscale spatial and small-scale temporal variation in the composition of riverine fish communities. *Environmental Monitoring and Assessment* **114**: 553–571
- Guy, H.P. & Ferguson, G.E. 1970. Stream sediment: an environmental problem. *Journal of Soil and Water Conservation* **25**: 217–221
- Harden, G.J. 2000–2002. *Flora of New South Wales*, Vols. 1–4, revised edition. University of New South Wales Press, Kensington, New South Wales.
- Harris, J.H. & Gehrke, P.C. 1994. Modelling the relationship between streamflow and population recruitment to manage freshwater fisheries. *Australian Fisheries* **6**: 28–30
- Harris, J.H. & Gehrke, P.C. 1997. *Fish and Rivers in Stress: The NSW Rivers Survey*. Fisheries Office of Conservation and the CRC for Freshwater Ecology, Cronulla, New South Wales.
- Harris, W. & Marshall, W.H. 1963. Ecology of water-level manipulation on a northern marsh. *Ecology* **44**: 331–343
- Heagney, E.C., Fowler, A.M. & Allman, R.P. 2008. *Growth and condition of juvenile Australian smelt and bony bream in the Gwydir wetlands: an otolith-based analysis*. Final report to the NSW Department of Environment and Climate Change. Heagney Consulting, Lismore, New South Wales.
- Hobson, A. 1999. *Invasive weeds: a threat to wetland ecosystems*. Unpublished Honours Thesis, University of New England, Armidale, New South Wales.
- Humphries, P. 2005. Spawning time and early life history of Murray cod, *Maccullochella peelii peelii* (Mitchell) in an Australia river. *Environmental Biology of Fishes* **72**: 393–407

- Humphries, P., King, A.J. & Koehn, J.D. 1999. Fish, flows and flood plain: links between freshwater fishes and their environment in the Murray-Darling River system, Australia. *Environmental Biology of Fishes* **56**: 129–151
- Jackson, L.J., Trebitz, A.S. & Cottingham, K.L. 2000. An introduction to the practice of ecological modelling. *BioScience* **50**: 694–706
- Jenkins, K.M. & Boulton, A.J. 2003. Connectivity in a dryland river: short-term aquatic microinvertebrate recruitment following floodplain inundation. *Ecology* **84**: 2708–2723
- Jenkins, K.M. & Boulton, A.J. 2007. Detecting impacts and setting restoration targets in arid-zone rivers: aquatic micro-invertebrate responses to reduced floodplain inundation. *Journal of Applied Ecology* **44**: 823–832
- Jenkins, K.M., Boulton, A.J. & Ryder, D.S. 2005. A Common Parched Future? Research and Management of Australian Arid-zone Floodplain Wetlands. *Hydrobiologia* **552**: 57–73
- Junk, W.J., Bayley, P.B. & Sparks, R.E. 1989. The flood pulse concept in river-floodplain systems. Pp. 110–127 In: Dodge, D.P. (ed.) *Proceedings of the International Large River Symposium*. Canadian Special Publications in Fisheries and Aquatic Sciences 106.
- Keyte, P. 1994. *Lower Gwydir wetland - plan of management 1994-97*. New South Wales Department of Water Resources Report for the Gwydir Wetland Steering Committee. Sydney, New South Wales.
- King, A. J. 2004. Density and distribution of potential prey for larval fish in the main channel of a floodplain river: pelagic versus epibenthic meiofauna. *River Research and Applications* **25**: 883–897
- Kingsford, R. T. 2000. Ecological impacts of dams, water diversions and river management on floodplain wetlands in Australia. *Austral Ecology* **25**: 109–127
- Kobayashi, T., Shiel, R.J., Gibbs, P. & Dixon, P.I. 1998. Freshwater zooplankton in the Hawkesbury-Nepean River: comparison of community structure with other rivers. *Hydrobiologia* **377**: 133–145
- Koehn, J.D. & Harrington, D.J. 2006. Environmental conditions and timing for the spawning of Murray cod (*Maccullochella peelii peelii*) and the endangered trout cod (*M. macquariensis*) in southeastern Australian rivers. *River Research and Applications* **22**: 327–342
- Lake, J.S. 1967. Rearing experiments with five species of Australian freshwater fishes. I. Inducement to spawning. *Australian Journal of Marine and Freshwater Research* **18**: 137–153
- Leahy, P.J., Tibby, J., Kershaw, A.P., Hejnis, H. & Kershaw, J.S. 2005. The impact of European settlement on Bolin Billabong, a Yarra River floodplain lake, Melbourne, Australia. *River Research and Applications* **21**: 131–149
- Lintermans, M. 2007. *Fishes of the Murray-Darling Basin: An introductory guide*. Murray-Darling Basin Commission. Canberra, Australian Capital Territory.
- Llewellyn, L.C. 1983. *The distribution of fish in New South Wales*. Australian Society for Limnology.
- Lu, X.X. 2005. Spatial variability and temporal change of water discharge and sediment flux in the Lower Jinsha tributary: Impact of environmental changes. *River Research and Applications* **21**: 229–243
- Lunt, I.D., Jansen, A., Binns, D.L. & Kenny, S.A. 2007. Long-term effects of exclusion of grazing stock on degraded herbaceous plant communities in a riparian *Eucalyptus camaldulensis* forest in south-eastern Australia. *Austral Ecology* **32**: 937–949
- Lytle, D. A. & Poff, N. L. 2004. Adaptation to natural flow regimes. *Trends in Ecology & Evolution* **19**: 94–100
- Mallen-Cooper, M. 1994. Swimming ability of adult golden perch, *Macquaria ambigua* (Percichthyidae), adult silver perch, *Bidyanus bidyanus* (Teraponidae), in an experimental vertical slot fish way. *Australian Journal of Marine and Freshwater Research* **45**: 191–198

- Mallen-Cooper, M. 2000. *Review of barriers to fish passage in the Lower Gwydir Floodplain*. Fishway Consulting Services, St Ives Chase, New South Wales.
- Mallen-Cooper, M. & Stuart, I.G. 2003. Age, growth and non-flood recruitment of two potamodromous fishes in a large semi-arid/temperate river system. *River Research and Applications* **19**: 697–719
- Marchant, S. & Higgins, P.J. 1993. *Handbook of Australian, New Zealand and Antarctic Birds. Volume 2: Raptors to Lapwings*. Oxford University Press, Melbourne.
- Marshall, C.M., Negus, P. & Choy, S.C. 2001. An assessment of current flow-related ecological condition of the Pioneer River and nearby catchments based on aquatic macroinvertebrates. In: Brizga, S.O., Arthington, A.H., Choy, S.C., Craigie, N.M., Mackay, S.J., Poplawski, W., Pusey, B. & Werren, G. 2001. *Pioneer Valley Water Resource Plan: Environmental Flow Report. 2 Volumes*. Department of Natural Resources and Mines, Brisbane.
- Marshall, J.C., Sheldon, F., Thoms, M.C. & Choy, S. 2006. The macroinvertebrate fauna of an Australian dryland river: spatial and temporal patterns and environmental relationships. *Marine and Freshwater Research* **57**: 61–74
- Mawhinney, W.A. 2003. Restoring biodiversity in the Gwydir wetlands through environmental flows. *Water Science and Technology* **48**: 73–81
- Mawhinney, W.A. 2005. Water quality in the Gwydir Catchment 2003-2004. Department of Natural Resources, Tamworth, NSW Government.
- McCormick, M.I. & Molony, B.W. 1992. Effects of feeding history on the growth characteristics of a reef fish at settlement. *Marine Biology* **114**: 165–173
- McCosker, R.O. 1994. *Lippia (Phyla nodiflora): An invasive plant of floodplain ecosystems in the Murray-Darling Basin*. University of New England, Armidale, New South Wales.
- McCosker, R.O. 1996. *Gwydir wetlands: Ecological response to flooding 1995-96*. Landmax Pty Ltd, Kangaroo Point, Queensland.
- McCosker, R.O. 1997. *Gwydir Wetlands: Ecological response to flooding 1997*. Landmax Pty Ltd, Kangaroo Point, Queensland.
- McCosker, R.O. 1998. *Gwydir Wetlands: Ecological response to flooding 1998*. Report prepared for NSW National Parks and Wildlife Service by Landmax Pty Ltd. Landmax Pty Ltd, Kangaroo Point, Queensland.
- McCosker, R.O. 1999. *Gwydir Wetlands – Ecological Response to Flooding 1998*. A report prepared for the NSW National Parks and Wildlife Service, NSW Department of Land and Water Conservation and Gwydir River Management Committee. Landmax Pty Ltd, Kangaroo Point, Queensland.
- McCosker, R.O. 2001. *Gwydir Wetlands ecological response to flooding 2000-2001*. Landmax Pty Ltd, Kangaroo Point, Queensland.
- McCosker, R.O., Blanch, S.J., Smith, F.J., Duggin, J.A. & Brock, M.A. 1993. *Lower Gwydir Watercourse Vegetation Survey Report*. Department of Ecosystem Management and Department of Botany, University of New England, Armidale, New South Wales.
- McCosker, R.O., Brizga, S.O., Arthington, A. A. & Macfarlane, W. 1999. *Gwydir environmental scan*. Other publication details unavailable.
- McCosker, R.O. & Duggin, J.A. 1992. *Gingham Watercourse-Resource Management Issues*. Department of Ecosystem Management, University of New England, Armidale, New South Wales.
- McCosker, R.O. & Duggin, J.A. 1993. *Gingham Watercourse-Resource Management Options*. Department of Ecosystem Management, University of New England, Armidale, New South Wales.
- McFarlane, J. 2002. Wetland grazing-impact on soil seed banks of four communities in the Lower Gwydir, New South Wales, Australia. Unpublished Honours Thesis, University of New England, Armidale, New South Wales.

- McGinness, H.M. 2007. *Spatial heterogeneity and hydrological connectivity in a dryland, anabranching floodplain river system*. Unpublished PhD thesis, University of Canberra, Canberra, Australian Capital Territory.
- McGinness, H.M., Thoms, M.C. & Southwell, M.R. 2002. *Connectivity and fragmentation of flood plain-river exchanges in a semiarid, anabranching river system: IAHS Publication 276*: 19–26
- MDBC 2004. *Native fish strategy for the Murray-Darling Basin 2003–2013*. Murray-Darling Basin Ministerial Council, Canberra, Australian Capital Territory.
- Milchunas, D.G. & Lauenroth, W.K. 1993. Quantitative effects of grazing on vegetation and soils over a global range of environments. *Ecological Monographs* **63**: 327–366
- Milchunas, D.G., Sala, O.E. & Laurenroth, W.K. 1988. A generalized model of the effects of grazing by large herbivores on grassland community structure. *American Naturalist* **132**: 87–106
- Miner, J.G. & Stein, R.A. 1993. Interactive influence of turbidity and light on larval bluegill (*Lepomis macrochirus*) foraging. *Canadian Journal of Fisheries and Aquatic Sciences* **50**: 781–788
- Mitsch, W.J. & Gosselink, J.G. 2000. *Wetlands* (4th ed.). John Wiley & Sons, New York.
- Montgomery, J.F. & Faulkner, R. 2002. *Water quality in the Gwydir valley watercourses. Report for Gwydir Valley Irrigators Association*. Australian Cotton CRC and the Division of Environmental Engineering, University of New England, Armidale, New South Wales.
- Morton, S., Bourne, G., Cristofani, P., Cullen, P., Possingham, H. & Young, M. 2002. *Sustaining our natural systems and biodiversity: an independent report to the Prime Minister's Science, Engineering and Innovation Council*. CSIRO and Environment Australia, Canberra, Australian Capital Territory.
- Mueller-Dombois, D. & Ellenberg, H. 1974. *Aims and Methods of Vegetation Ecology*. John Wiley and Sons, Sydney, New South Wales.
- Nielsen, D.L., Brock, M.A., Petrie, R. & Crossle, K. 2007. The impact of salinity pulses on the emergence of plant and zooplankton from wetland seed and egg banks. *Freshwater Biology* **52**: 784–795
- NSW DIPNR. 2002. *Water quality in the Gwydir catchment 2001–2002*. New South Wales Department of Infrastructure, Planning and Natural Resources, Tamworth, New South Wales.
- NSW DIPNR. 2005a. *Environmental contingency allowance operations advisory Committee: Operating guidelines. May 2005*. Department of Infrastructure, Planning and Natural Resources, Armidale, New South Wales.
- NSW DIPNR. 2005b. *Lower Gingham Watercourse Floodplain management plan*. New South Wales Department of Infrastructure, Planning and Natural Resources, Sydney, New South Wales.
- NSW DECC. 2008. *Gwydir Environmental Contingency Allowance Annual Flow Plan 2008–2009*. New South Wales Government, Armidale, Australia.
- NSW Fisheries and NSW DLWC. 2002. *Initial weir review summary: Gwydir catchment*. NSW Government, Sydney, New South Wales.
- Olsen, J., Fuentes, E. & Rose A.B. 2006. Trophic relationships between neighbouring White-bellied (*Haliaeetus leucogaster*) and Wedge-tailed Eagles (*Aquila*) breeding on rivers and dams near Canberra. *Emu* **106**: 193–201
- Peterson, C.G. & Stevenson, R.J. 1992. Resistance and resilience of lotic algal communities: importance of disturbance timing and current. *Ecology* **73**: 1445–1461
- Poff, N.L. & Ward, J.V. 1989. Implications of streamflow variability and predictability for lotic community structure: A regional analysis of streamflow patterns. *Canadian Journal of Fisheries and Aquatic Sciences* **46**: 1805–1818
- Preece, R.M. & Jones, H.A. 2002. The effect of Keepit Dam on the temperature regime of the Namoi River, Australia. *River Research and Applications* **18**: 397–414

- Proulx, M. & Mazumder, A. 1998. Reversal of grazing impact on plant species richness in nutrient-poor vs. nutrient-rich ecosystems. *Ecology* **79**: 2581–2592
- Puckridge, J.T., Sheldon, F., Walker, K.F. & Boulton, A.J. 1998. Flow variability and the ecology of large rivers. *Marine & Freshwater Research* **49**: 55–72
- Rea, N. 1994. *Water requirements of the Gwydir Valley wetlands – an assessment and consolidation of prior studies*. NSW Department of Water Resources, Environmental Studies Unit, Parramatta, New South Wales.
- Reid, M.A., & Quinn, G.P. 2004. Hydrologic regime and macrophyte assemblages in temporary floodplain wetlands: implications for detecting responses to environmental water allocations. *Wetlands* **24**: 586–599
- Roberts, J. 2002. Species-level knowledge of riverine and riparian plants: a constraint in determining flow requirements in the future. *Australian Journal of Water Resources* **5**: 21–31
- Roberts, J. & Marston, F. 2000. *Water regime of wetland and floodplain plants in the Murray-Darling Basin: A source book of ecological knowledge*. CSIRO Land and Water Technical Report 30/00, Canberra, Australian Capital Territory.
- Roberts, J., Young, W. & Marston, F. 2000. *Estimating the Water Requirements for Plants of Floodplain Wetlands: a Guide*. Land and Water Resources Research and Development Corporation, Canberra, Australian Capital Territory.
- Robertson, A.I. 1997. Land-water linkages in floodplain river systems: the influence of domestic stock. Pp 207–218 In: Klomp, N. & Lunt, I. (Eds). *Frontiers in ecology: building the links*. Elsevier Science Ltd, Oxford.
- Robertson, A.I. 1998. The effect of livestock on wetlands. Pp 195–201 In: Williams, W.D. (ed) *Wetlands in a dry land: Understanding for management*. Environment Australia, Canberra.
- Robertson, A.I., Boon, P.I., Bunn, S.E., Ganf, G., Herzceg, A., Hillman, T. & Walker, K.F. 1996. *A scoping study into the role, importance, sources, transformation and cycling of carbon in the riverine environment*. Consultancy report to the Murray-Darling Basin Commission. Charles Sturt University, Wagga Wagga, New South Wales.
- Roshier, D.A., Robertson, A.I. & Kingsford, R.T. 2002. Responses of waterbirds to flooding in an arid region of Australia and implications for conservation. *Biological Conservation* **106**: 399–411
- Ryder, D.S., Watts, R.J., Nye, E. & Burns, A. 2006. Can flow velocity regulate epixylic biofilm structure in a regulated floodplain river? *Marine and Freshwater Research* **57**: 29–36
- Salisbury, E. 1970. The pioneer vegetation of exposed muds and its biological features. *Philosophical Transactions of the Royal Society London Biological Sciences* **259**: 207–255
- Schalk, T. 2006. *The environmental contingency allowance history of use in the Gwydir*. Department of Natural Resources, Armidale, New South Wales.
- Scott, A. 1997. *Relationships between waterbird ecology and river flows in the Murray-Darling Basin*. CSIRO Land and Water. Technical Report No. 5/97.
- Sheldon, F., Thoms, M.C., Berry, O. & Puckridge, J. 2000. Using disaster to prevent catastrophe: Referencing the impacts of flow changes in large dryland rivers. *Regulated Rivers: Research and Management* **16**: 403–420
- Sheldon, F. & Walker, K.F. 1997. Changes in biofilms induced by flow regulation could explain extinctions of aquatic snails in the lower River Murray, Australia. *Hydrobiologia* **347**: 97–708
- Shiel, R.J., Costelloe, J.F., Reid, J.R.W., Hudson, P. & Powling, J. 2006. Zooplankton diversity and assemblages in arid zone rivers of the Lake Eyre Basin, Australia. *Marine and Freshwater Research* **57**: 49–60
- Shiel, R.J., Walker, K.F. & Williams, W.D. 1982. Plankton of the lower River Murray, South Australia. *Marine and Freshwater Research* **33**: 301–327

- Siebenritt, M.A. 1999. *Fish and the lower Gwydir Floodplain*. Wetland Care Australia, Berri, South Australia.
- Smith, G. & Pritchard, P. 2003. *Biodiversity opportunities in Australian agriculture: a national view*. Paper presented at the Proceedings of the Conference on Rural Land Use Change, Victoria.
- Speas, D.W. 2000. Zooplankton density and community composition following an experimental flood in the Colorado River, Grand Canyon, Arizona. *Regulated Rivers: Research & Management* **16**: 73–81.
- Spencer, J.A. 2009. *Historical records of waterbirds and fish populations in the Gwydir wetlands*. Final report for the NSW Wetland Recovery Program. Rivers and Wetlands Unit, NSW Department of Environment and Climate Change, Sydney, New South Wales.
- Ter Heerdt, G.N.J. & Drost, H.J. 1994 The potential for the development of marsh vegetation from the seed bank after a drawdown. *Biological Conservation* **67**: 1–11
- Ter Heerdt, G.N.J., Schutter, A. & Bakker, J.P. 1999. The effect of water supply on seed-bank analysis using the seedling-emergence method. *Functional Ecology* **13**: 428–430
- Thoms, M.C. & Parsons, M. 2003. Identifying spatial and temporal patterns in the hydrological character of the Condamine–Balonne River, Australia, using multivariate statistics. *River Research and Applications* **19**: 443–457
- Thoms, M.C., Southwell, M.R. & McGinness, H.M. 2005. Floodplain-river ecosystems: Fragmentation and water resources development. *Geomorphology* **71**: 126–138
- Thorp, J.H. & DeLong, M.D. 2002. Dominance of autochthonous autotrophic carbon in food webs of heterotrophic rivers. *Oikos*, **96**: 543–550
- Vannote, R.L., Minshall, G.W., Cummins, K.W., Sedell, J.R. & Cushing, C.E. 1980. The river continuum concept. *Canadian Journal of Fisheries and Aquatic Sciences* **37**: 130–137
- Walker, K.F., Puckridge, J.T. & Blanch, S.J. 1995. A perspective on dryland river ecosystems. *Regulated Rivers: Research & Management* **11**: 85–104
- Williams, W. D. 1998. *Wetlands in a Dry Land: Understanding for Management*. Environment Australia Biodiversity Group, Canberra, Australian Capital Territory.
- Wilson, G.G., Berney, P.J., Ryder, D.S. & Price, J.N. 2008. *Stage 2: Grazing/Landuse in the Macquarie Marshes and Gwydir Wetlands*. Final report to the New South Wales Department of Environment and Climate Change. University of New England, Armidale, New South Wales.
- Wilson, G.G., Spencer, J.A. & Heagney, E.C. In press. Responses of fish and waterbirds to flow variability in the Lower Gwydir wetlands. *Ecosystem Response Modelling in the Murray-Darling Basin*. CSIRO Press, Melbourne, Australia.
- Wilson, G. & Wright, A. 2005. *Fish recruitment in the Border Rivers and Moonie River catchments*. Northern Basin Laboratory, Murray-Darling Freshwater Research Centre, Goondiwindi, Queensland.
- Wilson, G.G. & Sisson, J.L. 2006. *Managing environmental flows in an agricultural landscape: the Lower Gwydir floodplain. Report No. 1 – Communication Plan*. Cotton Catchment Communities CRC and University of New England, Armidale, New South Wales.
- Wilson, S. & Swan, G. 2003. *A complete guide to reptiles of Australia*. Reed New Holland, Sydney.
- Young, W.J. & Kingsford, R.T. 2006. Flow variability in large unregulated dryland rivers. Pp 11–46 In Kingsford, R.T. (ed) *Ecology of Desert Rivers*.(Cambridge University Press, Cambridge.