

**Centre for Freshwater Ecosystems, School of Life Sciences, La Trobe University**

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- Silvester E, Holland A, Petrie R, Bond N** (2019). Allochthonous carbon loads and potential organic carbon concentrations on Lindsay and Mulcra Island Floodplains during environmental watering. Final Report prepared for the Mallee Catchment Management Authority by the Centre for Freshwater Ecosystems. CFE Publication 228, July 2019, 30pp.

- Smith L, Thurgate N, Bond N** (2019) Murray-Darling Basin Environmental Water Knowledge and Research Project – Final Project Report. Report prepared for the Department of the Environment and Energy, Commonwealth Environmental Water Office by La Trobe University. *Centre for Freshwater Ecosystems*. CFE Publication 231 July 2019 29pp.
- Smith L, Thurgate N, Price A, McInerney P, McGinness H, Campbell C, Bond N** (2018). Murray–Darling Basin Environmental Water Knowledge and Research Project – Mid-year progress report for July – December 2018. Report prepared for the Department of the Environment and Energy, Commonwealth Environmental Water Office by La Trobe University. *Centre for Freshwater Ecosystems*. CFE Publication 212, February 2019, 35pp.
- Stewardson MJ, Guarino F (2019). 2017–18 Basin scale evaluation of Commonwealth environmental water – Hydrology. Final Report prepared for the Commonwealth Environmental Water Office by La Trobe University. Publication 232/2019, October, 49pp.
- Stewardson MJ, Guarino F (2019). 2017–87 Basin-scale evaluation of Commonwealth environmental water – Hydrology: Annex A Valley Report Cards. Final Report prepared for the Commonwealth Environmental Water Office by La Trobe University. Publication 242/2019, September, 243pp.
- Stoffels R, **Bond N, Weatherman K**, Thiem J, Butler G *et al.* (2019). MMCP Collaboration Final report 2019 - Effects of river flows and temperature on the growth dynamics of Murray cod and golden perch. Final report for the Murray-Darling Basin Authority by the Centre for Freshwater Ecosystems. CFE Publication 222/2019, July, 48pp.
- Thurgate N, Mynott J, Smith L, Bond N** (2019). Murray-Darling Basin Environmental Water Knowledge and Research Project – Synthesis Report. Report prepared for the Department of the Environment and Energy, Commonwealth Environmental Water Office by La Trobe University, Centre for Freshwater Ecosystems, CFE Publication 230 August 2019 41p. <https://doi.org/10.26181/5d5ce6b3e1a8b>
- Vertessy, R, Barma D, Baumgartner L, Mitrovic S, Sheldon F, **Bond N** (2019). Final report of the Independent Assessment of the 2018-19 fish deaths in the lower Darling, Australian Government. [https://www.mdba.gov.au/sites/default/files/pubs/Final-Report-Independent-Panel-fish-deaths-lower%20Darling\\_4.pdf](https://www.mdba.gov.au/sites/default/files/pubs/Final-Report-Independent-Panel-fish-deaths-lower%20Darling_4.pdf).

## Conference, Seminar and Other Presentations

- Bond N** (2019) River ecology. Murray-Darling Basin Seminar Series. Canberra, ACT, 22 March.
- Bond N, King A, Mynott J, Thurgate N**, Stoffels R, Brooks S (2019). Monitoring fish population responses to environmental water delivery in the Murray-Darling Basin lessons and observations at the basin scale five years in. Australian Society for Fish Biology Conference. 14-17 October.
- Bond N**, Yen J, Thomson J, Kopf K, **Nielsen D**, *et al.* (2019). Quantifying the effects of altered hydrology and food-web structure on ecosystem carrying capacity in a floodplain River. Society for Freshwater Science Annual Meeting. Salt Lake City, Utah, USA, 20 May.
- Brewer M** (2019). How Murray cod and Golden perch larvae survive and grow at different food and temperature regimes. Student Cadetship Seminar. La Trobe University, Wodonga, Victoria, 21 February.
- Calipari T** (2019). Adverse effects of microplastics observed on the growth rate and health of freshwater alga *Chlorella* sp12. Final Honours Seminar presentation. La Trobe University, Wodonga, Victoria, 11 January.
- Colombi F** (2019). Legacy effects of historical gold mining on floodplains of Victorian rivers. 18th Biennial Australian & New Zealand Geomorphology Group. Inverloch, Victoria, 4-8 February.
- Colombi F** (2019) Legacy effects of historical gold mining on floodplains of Victorian rivers: Arsenic. Poster Presentation. Society of Environmental Toxicology and Chemistry Australasian Chapter Conference (SETAC). Darwin, Northern Territory, 7-11 July.
- Colombi F, Silvester E**, Baldwin D, Lawrence S, Davies P, *et al.* (2018). Legacy effects of historical gold mining on floodplains of Victorian rivers. PhD Confirmation Seminar. La Trobe University, Wodonga, Victoria, 29 March.
- Colombi F, Silvester E**, Baldwin D, Lawrence S, Davies P, *et al.* (2019). Legacy effects of historical gold mining on floodplains of Victorian rivers. MMCP Collaboration Project Research Forum. Canberra, ACT, 11 June.
- Crook D**, Wedd D, Adair B, Mooney T, Humphrey C, Harford A, **King A** (2019). Integrating acoustic telemetry with high resolution sonar to elucidate population-level effects of fish movement in a northern Australian stream. Australian Society for Fish Biology Conference, 14-17 October.

- Crook D** (2019). Using dry season fish habitat preferences to inform water decision making in a tropical river. Australian Freshwater Sciences Society and New Zealand Freshwater Sciences Society Joint Conference. Waurin Ponds, Victoria, 1-4 December.
- Grace M, Tsoi I, Ryder D, Wolkfenden B, Thompson R, **et al.** (2019). Stream metabolism in environmental flow management: The Long-Term Intervention Monitoring project in Australia. Society for Freshwater Annual Meeting. Salt Lake City, Utah, USA, 24 May.
- Holland A** (2019). Dissolved organic matter and metabolic dynamics in dryland lowland rivers. Australian Freshwater Sciences Society and New Zealand Freshwater Sciences Society Joint Conference. Waurin Ponds, Victoria, 1 - 4 December.
- Holland A** (2019). Current status of metal research in Australasia. Metal Interest Group, Society of Environmental Toxicology and Chemistry (SETAC) North America 40th annual meeting conference, Toronto, 3-7 November.
- Holland A**, Macoustra G, Stauber J, Jolley D (2019). The ever-changing nature of DOC - possible implications for metals research. Society of Environmental Toxicology and Chemistry Australasian Chapter Conference (SETAC). Darwin, Northern Territory, 7-11 July.
- Holland A**, Stauber J, Macoustra G, Jolley D (2019). The ever-changing nature of DOC – possible implications for metal research. Society of Environmental Toxicology and Chemistry (SETAC) North America 40th annual meeting conference. Toronto, 3-7 November.
- J Mynott** (2019). The detection of threatened alpine stoneflies. Australian Freshwater Sciences Society and New Zealand Freshwater Sciences Society Joint Conference. Waurin Ponds, Victoria, 1-4 December.
- King AJ**, Allsop Q, Buckle D, **Crook D**, Douglas M, *et al.* (2019). Lessons from fish kills outside of the Murray-Darling Basin: Tracking recovery of the Katherine River fish assemblage after the 2012 hypoxic blackwater event. Australian Society for Fish Biology Conference. 14-17 October.
- Lawrence S, Grove J, **Silvester E**, Rutherford I (2019). Rivers of Gold: the legacy of historical mining on our rivers. NRM on the Border Seminar Series. La Trobe University, Wodonga, Victoria, 2 May.
- Lei TUC** (2019). Using causal modelling principles for integrating long-term macroinvertebrate monitoring data for the Murray River and a hydroclimatology-salinity model for the Murray-Darling Basin to predict the ecohydrological effects of future climate scenarios. PhD Submission Seminar. La Trobe University, Wodonga Victoria. 14 February.
- Judd M** (2019). Photo point monitoring: a special role in environmental flow management, Australian Freshwater Sciences Society and New Zealand Freshwater Sciences Society Joint Conference. Waurin Ponds, Victoria, 1-4 December.
- Shackleton M** (2019). Are we ready for DNA based bio-monitoring? Australian Freshwater Sciences Society and New Zealand Freshwater Sciences Society Joint Conference. Waurin Ponds, Victoria, 1-4 December.
- McInerney P** (2019). Identifying critical basal resources for fish recruitment. Ovens River Research Symposium. Wangaratta, Victoria, 7 March.
- McInerney P, Shackleton M, Rees G, Holland A, Davey C, Petrie R** (2019). Biofilm succession patterns and ecosystem dynamics in the Edward-Wakool River system. MMCP Collaboration Project Research Forum. Canberra, ACT, 11 June.
- McInerney, P** (2019). Basal resource quality and energy flow in a lowland river food web, R6th Biennial Symposium of the International Society for River Science. Vienna, Austria, 10 September.
- McInerney P** (2019). EWKR Food web Theme, Australian Freshwater Sciences Society and New Zealand Freshwater Sciences Society Joint Conference. Waurin Ponds, Victoria, 1 – 4 December.
- Morais L, **Holland A**, Stauber J, **Silvester E**, Genderen EV, Jolley D (2019). The influence of water chemistry on zinc bioavailability and toxicity in Australian freshwater. Poster Presentation. Society of Environmental Toxicology and Chemistry Australasian Chapter Conference (SETAC). Darwin, Northern Territory, 7-11 July.
- Bond N** (2019). Mapping wetland dynamics using remote sensing approaches to assist long-term planning in a rapidly urbanising landscape. Australian Freshwater Sciences Society and New Zealand Freshwater Sciences Society Joint Conference. Waurin Ponds, Victoria, 1 – 4 December.
- Nielsen D** (2019). Vegetation Dispersal. A joint MMCP Collaboration and MDB Environmental Water Knowledge & Research Project Seminar. The Cube, Wodonga, Victoria. 14 March
- Nielsen D, Durant R** (2019). Vegetation Dispersal. MMCP Collaboration Project Research Forum. Canberra, ACT, 11 June.



- Nogueira L** (2019). Water infra-structures and challenges for fish conservation: Larval trait-based analysis to foresee fish recruitment in regulated rivers. PhD Seminar. La Trobe University, Wodonga Victoria. 15 January.
- Nogueira L, Price A, Humphries P, Baumgartner L, Lawler S** (2019). Use of swimming behaviour to assess dispersal patterns of Freshwater fish larvae. 24th Encontro Brasileiro de Ictiologia (EBI) Brazilian Conference of Ichthyology. Balém-Pará, Brazil, 27 – 31 January.
- Nogueira L, Price A, Humphries P, Baumgartner L, Lawler S** (2019). Water infrastructure and challenges for fish conservation: A trait-based analysis to foresee fish recruitment in regulated rivers. MMCP Collaboration Project Research Forum. Canberra, ACT, 11 June.
- O'Dwyer J** (2019). Understanding and promoting genetic diversity in Australia's native fish species. PhD Commencement Seminar. La Trobe University, Bundoora, Victoria, 14 February.
- O'Dwyer J, Murphy N, Harrison K, Tonkin Z** (2019). Flows for fish: Using water flow to promote connectivity, recruitment and genetic diversity for Australian fish species. MMCP Collaboration Project Research Forum. Canberra, ACT, 11 June.
- Panarelli E, *Nielsen D* and **Holland A** (2019). Cladocera resistance egg banks in temporary and permanent ponds. XVII Brazilian Limnology Congress and 2nd Ibero-American Limnology Congress. Florianopolis, Santa Caterina, 4 August.
- Petrie, R** (2019). Ecology of Freshwater Microfauna. Floodplain Ecology Course. 16 October.
- Price A** (2019). Flood production and energy flows in the Lower Ovens aquatic ecosystems. Ovens River Research Symposium. Wangaratta, Victoria, 7 March.
- Price A** (2019). Freshwater Fish Recruitment: New science for water and wetland managers. A joint MMCP Collaboration and MDB Environmental Water Knowledge & Research Project Seminar. The Cube, Wodonga Victoria, 14 March.
- Price A, Stauber J, **Holland A**, Van Generen E, Jolley D (2019). The influence of water chemistry on zinc toxicity: Back to basics. Society of Environmental Toxicology and Chemistry Australasian Chapter Conference (SETAC). Darwin, Northern Territory, 7-11 July. Furthermore, postgraduate Gwilym Price (supervisor Holland A.), presented at this conference and was awarded "Best student poster presentation".
- Rees G** (2019). Using food web ecology to improve environmental flows. A joint MMCP Collaboration and MDB Environmental Water Knowledge & Research Project Seminar. The Cube, Wodonga, Victoria, 14 March.
- Rees G, McInerney P, Shackleton M, Stoffels R, Silvester E, Dwyer G** (2019). Understanding the ecological consequences of macroinvertebrate community structure change. MMCP Collaboration Project Research Forum. Canberra, ACT, 11 June.
- Shackleton M** (2019). Aquatic invertebrates of Australia National Database. University of Canberra DNA barcoding workshop. Canberra, ACT, 30 January.
- Shakya M, **Holland A**, Rees G, **Silvester E** (2019). Impact of copper on protein content and amino acid composition of Purple spotted Gudgeon sac-fry. Poster Presentation. Society of Environmental Toxicology and Chemistry Australasian Chapter Conference (SETAC). Darwin, Northern Territory, 7-11 July.
- Shakya M, Holland A, Rees GR, Silvester E** (2019). Impact of environmental stress on the protein and amino acid composition of freshwater organisms. MMCP Collaboration Project Research Forum. Canberra, ACT, 11 June.
- Silvester E** (2019). Education and Communication. MMCP Collaboration Project Research Forum. Canberra, ACT, 11 June.
- Silvester E, Holland A** (2019). Allochthonous Carbon Accumulation. Presentation to Mallee Catchment Management Authority. Mildura, Victoria, 29 May.
- Sparrow A, **Bond N**, Witteveen S, Chan T (2019). A proposed method and case study for detection of change in waterway health due to flow [online]. In: Hydrology and Water Resources Symposium (HWRS 2018): Water and Communities. Melbourne: Engineers Australia, 2018: 149-157 ISBN: 9781925627183  
<https://search.informit.com.au/documentSummary;dn=121455411477534;res=IELENG>.
- Stoffels R, **Weatherman K**, Theim J, Butler G, Morrongiello J, Bond N, Koster W, Kopf K, McCasker N, Ye Q, Zampatti B, Broadhurst B (2019). Impact of hydrology and climate on the growth dynamics of Murray cod and Golden perch. MMCP Collaboration Project Research Forum. Canberra, ACT, 11 June.
- Thurgate N** (2019). Waterbird recruitment and movement throughout the MDB. A joint MMCP Collaboration and MDB Environmental Water Knowledge & Research Project Seminar. The Cube, Wodonga, Victoria, 14 March.

**Thurgate, N** (2019). Managing environmental flows in Australia: how do we leap from science to management? 6th Biennial Symposium of the International Society for River Science. Vienna, Austria, 10 September.

Yu S, **Bond N**, Bunn S, Kennard M (2019). Development and application of predictive models for surface after extent to identify aquatic refugia in Eastern Australia. Society for Freshwater Annual Meeting. Salt Lake City, Utah, USA, 21 May.

### **Other Publications**

**La Trobe University DEME History Project Supplement December 2018** - Emeritus Scholar Conferment - John Hill and Phil Suter  
[https://latrobe.figshare.com/articles/The\\_Life\\_and\\_Times\\_of\\_La\\_Trobe\\_s\\_Department\\_of\\_Environmental\\_Management\\_and\\_Ecology\\_A\\_Reflective\\_Review/5623930](https://latrobe.figshare.com/articles/The_Life_and_Times_of_La_Trobe_s_Department_of_Environmental_Management_and_Ecology_A_Reflective_Review/5623930)