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Publications not listed in CRO (CSU Research Output).

Refereed Journals:

Wolfbauer, G., Bond, A. Deacon, G. B., **Howitt, J.**, MacFarlane, D.R. & Spiccia; L. (2001). The Voltammetric Reduction, Deprotonation and surface activity of Ruthenium Photovoltaic Sensitizers in Acetone. *Electrochemistry Communications*, 3, 400-405

Wolfbauer, G., Bond, A. M., Deacon, G.B., **Howitt, J.**, MacFarlane, D.M. & Spiccia; L. (2001) Dependence of the Voltammetric Oxidation of the Photovoltaic Sensitizer $[(H_3-tctpy)Ru^{II}(NCS)_3]^-$ on the Electrode Material, Solvent and Isomeric Purity; *Journal of the Electrochemical Society*, 148(2), E97-E104.

Bond, A.M., Deacon, G.B., **Howitt, J.**, MacFarlane, D.M., Spiccia, L & Wolfbauer; G. (1999) Voltammetric Determination of the Reversible Redox Potential for the Oxidation of the Highly Surface Active Polypyridyl Ruthenium Photovoltaic Sensitizer cis-Ru(II)(dcbpy)₂(NCS)₂; *Journal of the Electrochemical Society*, 146(2), 648-659.

Other Scientific Publications:

Watts, R.J., Kopf, R.K., Hladyz, S., Grace, M., Thompson, R., McCasker, N., Wassens, S., **Howitt, J.A.**, Burns, A., & Conallin, J., (2012) Monitoring of ecosystem responses to the delivery of environmental water in the Edwards-Wakool river system, 2011-2012. Institute for Land, Water and Society, Report 2.

Watts, R.J., Kopf, R.K., Hladyz, S., Grace, M., Thompson, R., McCasker, N., Wassens, S., **Howitt, J.A.**, & Conallin, J., (2012) Monitoring of ecosystem responses to the delivery of environmental water in the Edwards-Wakool river system, 2011-2012. Institute for Land, Water and Society, Report 1.

Wassens, S., Watts, R.J., Spencer, J., **Howitt, J.**, McCasker, N.A., Griese, V., Burns, A., Croft, R., Zander, A., Amos, C. & Hall, A., (2012) Monitoring of ecosystem responses to the delivery of environmental water in the Murrumbidgee system. Institute for Land, Water and Society, Report 2.

Wassens, S., Watts, R.J., **Howitt, J.**, Spencer, J., Zander, A., Hall, A., (2011) Monitoring of ecosystem responses to the delivery of environmental water in the Murrumbidgee system. Institute for Land, Water and Society, Report 1.

Mitchell, B.D., **Howitt, J.**, Mondon, J., Eshelman, B. & Kidd, T. (2011) *Lake Pertobe Completion Report*. Technical report to Warrnambool City Council, 167pp.

Howitt, J., Mondon, J., Hindson, C., Barnett, N. & Sherwood, J. (2007) *GH050607.074 Metal Cycling and Levels in Rivers and Implications: Final Summary Report* Prepared for the Glenelg Hopkins Catchment Management Authority

H. Gigney, R. Petrie, B. Gawne, D. Nielsen, **J. Howitt**, *The Exchange of Material between the Murray River Channel and Barmah-Millewa Forest during the 2005-2006 Floodplain Watering*, Consultancy Report prepared for the Murray Darling Basin Commission and Goulburn Broken Catchment Management Authority, 2006.

Julia Howitt, Darren Baldwin and Gavin Rees, *BLACKWATER MODEL- A revised computer model to predict dissolved oxygen and dissolved carbon downstream of Barmah-Millewa Forest following a flood* (pp139) Prepared for the Barmah-Millewa Forum, June 2005.

Julia A. Howitt, Darren S. Baldwin and John Hawking; *A review of the existing studies on Lake Hume and its catchment*. Prepared for Goulburn-Murray Water (commercial-in-confidence), February 2005.

Julia A. Howitt, Darren S. Baldwin and Gavin Rees, *BLACKWATER MODEL – A computer model to predict dissolved oxygen and dissolved carbon downstream of Barmah-Millewa Forest following a flood* (pp 82) Prepared for the Barmah-Millewa Forum, July 2004.

Julia A. Howitt, Darren S. Baldwin and John Hawking; *A review of the existing studies on Lake Mulwala and its catchment*. (pp 96) Prepared for Goulburn-Murray Water (commercial-in confidence), June 2004.

J. A. Howitt and D. S. Baldwin, *Comparison of methods for inundating floodplains*, (an outline of the potential ecological outcomes associated with flowing or pooled flooding regimes in forested wetlands). Technical report prepared for the Barmah-Millewa Forest Forum, 2003.

D. Baldwin, **Julia Howitt**, Megan Edwards; *“Blackwater”*; *Australasian Aquaculture*, 15(2), 21, 2001.

Conference Presentations:

R.J. Watts, L. Baumgartner, J. Conallin, N. McCasker, R.K. Kopf, **J. Howitt**, S. Wassens, M. Grace, S. Hladyz, R. Thompson, *Monitoring and evaluation of environmental flows: a multi-disciplinary ecosystem-based cooperative approach*, Paper presented at *National Workshop on Monitoring and Evaluation of Environmental Flows: a coordinated approach*. December 10-11, 2012 University House, ANU, Canberra

Howitt, J.A. & Mondon J.A., *Complex pollutant exposure and the Pacific Oyster, Crassostrea gigas: Shells as an indicator and archive of metal exposure*, Paper presented at ECSA 50, Venice, Italy, June 2012

Mondon J.A. & **Howitt J.A.**, *Structural alterations in soft tissue and shell of bivalve molluscs as specific biomarkers of complex pollutant exposure and effect*, Paper presented at ECSA 50, Venice, Italy, June 2012

Howitt, J. A., Watts, R. J., Kopf, R.K. & Conallin, J., *Droughts and Flooding Rains: water quality changes associated with natural flooding events in the Wakool/Yallakool river systems*. Paper presented at *ASL & NZFSS 2011 Congress*, Brisbane, Sept, 2011.

Watts, R.J., Kopf, R.K., **Howitt, J.A.** & Conallin, J., *Dilution flows: responses to the delivery of environmental water via irrigation canal escapes*. Paper presented at *ASL & NZFSS 2011 Congress*, Brisbane, Sept, 2011.

Mondon, J. & **Howitt J.** (2011) *Links between complex pollutant exposure and structural alterations in soft tissue and shell of bivalve molluscs*, Paper presented at *Primo 16*, Longbeach California, USA, 15-18th May 2011.

Mondon, J., Davis, S. & **Howitt, J.** (2011) *Linking Complex pollutant exposure with istological alteration in sand flathead *Platycephalus bassensis**. Paper presented at *Envirotox 2011*, 17-20 April, Darwin.

Mondon, J., Hawkey, C. & **Howitt, J.** (2010) *Digestive tubule atrophy as a biomarker of industrial contamination exposure in the pacific oyster *Crassostrea gigas* from Tasmanian estuaries* Poster presented at *AMSA2010*, 4-8 July Wollongong, NSW.

Mondon, J., Hawkey, C. & **Howitt, J.** (2010) *Digestive Tubule Atrophy in the Pacific Oyster *Crassostrea Gigas*, as a Biomarker of Complex Industrial Contamination Exposure* Paper presented at *6TH International Conference on Marine Pollution and Ecotoxicology*, 31 May – 3 June, 2010 (Hong Kong).

Mondon, J., **Howitt, J.**, Hinton, D. & Kwok, K., (2010) *Osmium paraffin-embedment technique to identify lipid accumulation in fish liver using Medaka (*Oryzias latipes*) eggs and eleuthroembryos as lipid rich models* Poster presented at *6TH International Conference on Marine Pollution and Ecotoxicology*, 31 May – 3 June, 2010 (Hong Kong).

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Howitt, J. A., Hart, B.T., Baldwin, D., & Rees G. (2002); *Iron Oxide Catalysed Photodegradation of Aquatic Dissolved Organic Matter*, Oral Presentation at *Interact 2002*, Sydney, Australia, July 21-25

Howitt, J., Hart, B.T., Baldwin, D.S. & Rees, G.N. (2002) *Sediments and Carbon Cycling: Photochemical Interactions Between Suspended Particles and Dissolved Organic Matter*; Oral

Presentation at the 9th *International Symposium on the Interactions Between Sediments and Water*, Banff, Canada, May 5-10, 2002

Howitt, J.A., Hart, B.T., Baldwin, D. & Rees, G.;(2001) *Impact of Iron Oxides on the Photochemistry of Dissolved Organic Matter*; Oral presentation at *SIL XXVIII Congress*, Melbourne Australia, February 4-10.