

Professor Barry T Hart - Biography



Professor Barry Hart is Director of environmental consulting company – Water Science Pty Ltd, established after he retired from Monash University. He was appointed an Emeritus Professor by Monash University. Previously he was Director of the Water Studies Centre at Monash University and Deputy Director Research of the CRC for Freshwater Ecology.

Professor Hart has established an international reputation in the fields of ecological risk assessment, environmental flow decision-making (particularly using Bayesian Network models), water quality and catchment management and environmental chemistry (heavy metal and nutrient biogeochemistry). He has published over 170 refereed papers and 11 books, and is on the editorial board of 5 international journals.

He has received several awards, including the Limnology Medal (1982) from the Australian Society for Limnology, the Environmental Chemistry Medal (1996) and Applied Chemistry Medal (1998) from the Royal Australian Chemical Institute, and in 2003 a Centenary Medal for services to water quality management and environmental protection. He was also made a Member of the Order of Australia (AM) in the 2012 Queens Birthday awards.

He is well known for his sustained efforts in developing knowledge-based decision making processes in natural resource management in Australia and south-east Asia (particularly with the Mekong River Commission).

Professor Hart is currently a board member of the Murray-Darling Basin Authority and a non-executive Director of Alluvium Consulting Australia Pty Ltd. He is also Deputy Chair of the *Scientific Inquiry into Hydraulic Fracturing of Onshore Unconventional Reservoirs in the Northern Territory*, which commenced in December 2016.

Previously, he Chaired the Commonwealth Environmental Water Scientific Advisory Panel, Fitzroy Partnership Scientific Advisory Panel, the DEPI Science Advisory Committee for the Victorian Waterways Management Strategy, Melbourne Water's Waterways Advisory Committee, DEPI Environmental Flows Technical Audit Panel, the Gippsland Lakes and Catchment Task Force, Greening Australia (Victoria), the Great Barrier Reef Water Quality Partnership Science Advisory Panel, EPA Victoria's Science Futures Panel, Yarra Coordinating Committee, the Alligator Rivers Region Technical Committee and the Gippsland Integrated Natural Resources Forum. He was also a member of the the Independent Technical Panel for the Stockman Mine in Victoria, the External Stakeholder Advisory Panel (ESAP) for the Hidden Valley gold mine in PNG, the Victorian Environment Assessment Council (VEAC), the Scientific Reference Committee for the Victorian Government's Land & Biodiversity White Paper, the Expert Advisory Taskforce for the Victorian White Paper (Securing Our Water Future Together), the Victorian Environment Protection Authority Board (EPA), and the Victorian Catchment Management Council (VCMC).

He chaired two recent independent expert review committees: the first to review of the surface water management and monitoring associated with the Ranger Uranium Mine, NT Australia, and the second to review the science at the Arthur Rylah Institute for Environmental Research in Victoria. He was also a member of the panel that reviewed the CSIRO Water for a Healthy Country Flagship in 2013. Recently, he completed independent reviews of the current and future management of water assets in the Geographe Catchment, WA, for the Minister for Water (March 2014) and the Victorian Environmental Flows Monitoring and Assessment Program (VEFMAP) (November 2014).

For more detail see – www.waterscience.com.au

December 2016