

Dr Ian Dyson is a consultant and independent researcher. He graduated with a BSc degree in geology from the School of Earth Sciences at Flinders University that was followed by a PhD in marine sedimentology. He is principal of Economic and Environmental Sedimentology Pty Ltd, a consultancy focused on the nature of modern and ancient sand bodies as part of river, estuarine and marine environments that act as conduits, aquifers and reservoirs for base and precious metals, water, hydrocarbons and toxicants. One such project has dealt with the leakage of effluent and heavy metals into the Onkaparinga estuary and its impact on the marine environment. With respect to studies in environmental science he subscribes to the axiom that the past is the key to the future. Current research is focused on ocean anoxia, its impact on climate and implication for mass extinctions. This research also includes the identification of super-sized hurricanes in the geological record that resulted from runaway greenhouse conditions. Specialist short courses for professional geoscientists are currently run in the Flinders Ranges and along Adelaide's mid-south coast. His publication record includes some 100 papers and abstracts in scientific journals and conference proceedings.