

Project 19 – Investigations into quantifying the contribution of groundwater to the water and nutrient budgets of the South Lagoon

Location: The project will be based at Adelaide, SA

Required area of expertise/background: An Honours or MSc degree in Hydrochemistry, modelling

Project: The contribution of groundwater to the water budget of the Coorong South Lagoon is a key aspect of improving our understanding associated with the management of the Coorong and improving existing hydrological/hydrodynamic models. Presently the role of groundwater from the regional groundwater flow to the north and east together with the contribution from the 'perched' aquifer of the peninsula is unknown. Associated with these contributions is an unknown amount of nutrients including ammonia which is material to the nutrient budget of the Coorong described in a nutrient model coupled to an existing 2-D hydrodynamic model. The project would seek to understand the contribution of groundwater to the water budget and the associated nutrient budget and how this affects the ecology of the Coorong South Lagoon.

2017 RTP full time RTP Stipend Rates* (\$26,682). Approximate annual top-up amount: To be negotiated

Principal Supervisor:

TBC -

Co Supervisors:

Jason Higham - DEWNR



Government of South Australia
Department of Environment,
Water and Natural Resources



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