



Research Directions

Office of Research Services

Making the Turn to a Green Golf Club

Mr Bruce Simmons, together with Associate Professor Basant Maheshwari, School of Natural Sciences, and PhD scholarship student Melanie Schwecke, is investigating ways to improve water supply needs at urban golf courses in Australia. This Water Research Program has been developed with Manly Golf Club to investigate the harvest and use of urban stormwater for golf course irrigation to reduce reliance upon urban water supplies and improve the quality of water for irrigation.



Manly Golf Club

'Our study is building upon previous research that has been undertaken over the last three years by the University of Western Sydney and Manly Council on stormwater management' said Mr Simmons. 'We will model and measure groundwater and stormwater quantity and quality and develop monitoring procedures for ongoing management of water at the Manly Golf Club. A groundwater and stormwater system to interact with the natural cycle will also be designed and a test application performed at the golf club'.

This research collaboration will provide Manly Golf Club with a reliable and sustainable water supply that eliminates the need for potable water use for irrigation. The hydrological cycle in the Manly Golf Course Catchment will have reduced saline intrusion and stormwater pollution and natural habitats in the area will be protected through wetland development.

Project Title: *Manly Golf Club Water Research Program*

Research Partners: *CRC Irrigation Futures and Manly Golf Club*

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<http://www.uws.edu.au/about/acadorg/schools/naturalsciences>

<http://www.manlygolf.com.au/>

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