

Water Resource Management: Research project portfolio for 2007/08

THRUST 3: WATER RESOURCE PROTECTION		
Title (New projects indicated by *)	Contractor	Term
Programme 1: Protection and management of surface water and groundwater quality		
Sampling and monitoring protocol for radioactive elements	UWC	01/04/06 – 31/03/09
Nitrogen dynamics in catchment landscapes cleared of alien vegetation and impacts on water quality	CSIR	01/04/06 – 31/03/08
Land-use impacts on salinity in Western Cape waters	US	01/04/04 – 31/03/08
Review and detailed design of terms of reference for RDM Version 2 manuals	To be solicited	1/4/06 – 31/3/08
*Investigation of the positive and negative consequences associated with the introduction of low-P detergents	UKZN	1/4/07 – 30/9/08
*Development of a conceptual framework for the regulation of water quality within the context of an integrated, preventative management approach	Golder Associates Africa (Pty) Ltd	1/4/07 – 31/3/09
Programme 2: Urban and rural water resource management		
The history of Cape Town's river systems: Using hindsight to guide the management of urban river systems in South Africa	Southern Waters	01/04/06 – 31/03/08
Programme 3: Integrated river flow and catchment hydraulics		
Ecological and environmental impacts of large-scale groundwater development in the Table Mountain Group (TMG) aquifer system	CSIR	01/01/02 – 31/03/08 extended
The impact of deep-rooted trees on the hydrological balance of a small catchment in the KwaZulu-Natal midlands	CSIR	01/04/06 – 31/03/09
*Sedimentation and sediment yield maps for South Africa	US	1/4/07 – 31/3/10
*South African Handbook on Environmental Hydraulics	Ninham Shand	1/4/07 – 31/3/09