

CURRENT RESEARCH, DEVELOPMENTS, PROJECTS AND PROGRAMMES FOR SUB-DIRECTORATE GROUNDWATER RESERVE REQUIREMENTS (GWRR)

Title	Aim	Contact	Role-Players	Time Frames	Comments / Notes
Intermediate to comprehensive Crocodile (West) & Marico Water Management Area (WMA)	To quantify the available groundwater component of the Reserves and identify potential problems in terms of quantity and quality of groundwater	<p>N Motebe (CD:RDM) moteben@dwa.gov.za</p> <p>R Botha bothar@dwa.gov.za</p>	<p>Department Water Affairs (DWA)</p> <p>Chief Directorate: Resource Directed Measures (CD:RDM)</p> <p>DWA Gauteng Regional Office & WUA's/ FOR A</p>	Feb/2011 – Oct/2011	<p>Final Rapid groundwater Reserve submitted.</p> <p>Approval Templates to be signed by the Acting CD: RDM for implementation.</p> <p>The report will be used to implement a follow up comprehensive GRDM on selected secondary catchments within the WMA.</p>
Rapid to Intermediate to Groundwater Reserve projects for U & M Vaal River System WMA's	To quantify the available groundwater reserves and identify potential problems in terms of quantity and quality of groundwater	<p>N Motebe (CD:RDM) moteben@dwa.gov.za</p> <p>T Ntuli (CD:RDM) Ntulit2@dwa.gov.za</p> <p>&</p> <p>A Shibambo Shibamboa@dwa.gov.za</p> <p>B Govender govenderb@dwa.gov.za</p>	<p>Department Water Affairs (DWA)</p> <p>Chief Directorate: Resource Directed Measures (CD:RDM)</p> <p>DWA Gauteng Regional Office & Witwatersrand area different FORA</p>	<p>Jul/2010 – Mar/2011</p> <p>Extension for Upper & Middle Vaal to Oct/2011</p>	<p>Lower Vaal GRDM report complete, templates signed off by the CD: RDM.</p> <p>Water Research Commission (WRC) appointed and signed contracts with CSIR to implement the Middle and Upper Vaal studies.</p>

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Reserve Determination for selected Surface Water, Groundwater, Estuaries and Wetlands in the Outeniqua catchment	Quantification of groundwater contribution into surface water Ecological Water Requirements.	<p>B Weston (CD:RDM) westonb@dwa.gov.za</p> <p>N Motebe (CD:RDM) moteben@dwa.gov.za</p> <p>M Smart (Bellville) smartm@dwa.gov.za</p>	<p>Department Water Affairs (DWA)</p> <p>Chief Directorate: Resource Directed Measures (CD: RDM)</p> <p>DWA Cape Town Regional Office (Bellville)</p>	Aug/2010 - Mar/2011	<p>Final reports submitted and presentation of different scenarios made to the DWA.</p> <p>GWRR templates signed off by the CD: RDM.</p>
Reserve Determination for selected Surface Water, Groundwater, and Wetlands in the Mokolo catchment	Quantification of groundwater contribution into surface water Ecological Water Requirements.	<p>B Weston (CD:RDM) westonb@dwa.gov.za</p> <p>N Motebe (CD:RDM) moteben@dwa.gov.za</p>	<p>Department Water Affairs (DWA)</p> <p>Chief Directorate: Resource Directed Measures (CD:RDM) in collaboration with Directorate: Water Resources Planning Systems</p>	Aug/2010 - Aug/2011	<p>Final reports submitted and presentation of different scenarios made to the DWA.</p> <p>GWRR templates en route to being signed off by the Acting CD: RDM.</p>
Intermediate Groundwater Reserve projects for Limpopo Water Management Area (WMA)	To quantify the available groundwater component of the Reserves and identify potential problems in terms of quantity and quality of groundwater	<p>N Motebe (CD:RDM) moteben@dwa.gov.za</p> <p>W du Toit dutoitw2@dwa.gov.za</p>	<p>Department Water Affairs (DWA)</p> <p>Chief Directorate: Resource Directed Measures (CD:RDM)) in collaboration with</p> <p>DWA Limpopo Regional Office</p>	Jan/2010 – Oct/2011	<p>Project completed, waiting for the final report to be submitted.</p> <p>Will proceed with GWRR templates to be signed off by the Acting CD: RDM.</p>

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Intermediate Groundwater Reserve projects for Mvoti to Mzimkhulu Water Management Area (WMA)	To quantify the available groundwater component of the Reserves and identify potential problems in terms of quantity and quality of groundwater	<p>T Ntuli (CD:RDM) Ntulit2@dwa.gov.za</p> <p>A Masefield masefielda@dwa.gov.za</p>	<p>Department Water Affairs (DWA)</p> <p>Chief Directorate: Resource Directed Measures (CD: RDM) in collaboration with</p> <p>DWA KwaZulu Natal Regional Office</p>	Sep/2010 – Mar/2012	<p>Project inception completed.</p> <p>Project in the implementation phase.</p>
Intermediate Groundwater Reserve projects for Mzimvubu to Keiskamma WMA	To quantify the available groundwater component of the Reserves and identify potential problems in terms of quantity and quality of groundwater	<p>N Motebe (CD:RDM) moteben@dwa.gov.za</p> <p>T Ntuli (CD:RDM) Ntulit2@dwa.gov.za</p> <p>I.M. Viljoen viljoeni@dwa.gov.za</p>	<p>Department Water Affairs (DWA)</p> <p>Chief Directorate: Resource Directed Measures (CD:RDM) in collaboration with</p> <p>DWA Eastern Cape Regional Office</p>	Oct/2010 – Apr/2012	<p>Inception phase completed.</p> <p>Project implementation on-going.</p>
Groundwater Resource Directed Measures (GRDM) Update	To review current GRDM methodologies	<p>I. Dennis</p> <p>K. Witthueser</p> <p>N Motebe(CD: RDM) moteben@dwa.gov.za</p> <p>Dr. S. Adams (WRC) shaficka@wrc.org.za</p> <p>+27 12 3309071</p>	<p>Department Water Affairs (DWA)</p> <p>Chief Directorate: Resource Directed Measures (CD: RDM) appointed the WRC to. Implement the project with GWRR attending PSC meetings/ workshops.</p>	Oct/2011	<p>Final report submitted to the Water Research Commission (WRC).</p> <p>To be published through the WRC.</p>

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Groundwater General Authorization Review	To ease off groundwater backlog on low impact groundwater WULA Applications	<p>N. Motebe/ T Gonah (CD: RDM) moteben@dwa.gov.za</p> <p>Regional Offices consultations</p>	<p>Department of Water Affairs (DWA)</p> <p>Chief Directorate: Resource Directed Measures (CD: RDM) in collaboration with Regional Offices</p>	<p>Nov/2008 – Jul/2010</p> <p>Public comments due Oct/2011</p>	<p>Draft report complete. Await public comments before incorporating comments received both within DWA and external of DWA.</p> <p>Meeting held with Surface water specialist to report on progress.</p>
Groundwater Governance in South Africa	Address policy/ governance issues of groundwater resources in RSA	<p>Dr. S. Adams (WRC) shaficka@wrc.org.za</p> <p>N Motebe (CD: RDM) moteben@dwa.gov.za</p>	<p>Water Research Commission (WRC) on behalf of the DWA (World Bank provided seed money)</p>	<p>Jul/2010 – Jan/2011</p>	<p>GWG report is finalized, to be published during Sep/2011.</p>