

CURRENT RESEARCH, DEVELOPMENTS, PROJECTS AND PROGRAMMES FOR LIMPOPO REGIONAL OFFICE

Title	Aim	Contact	Role-Players	Time Frames	Comments / Notes
Groundwater Resource Information Project (GRIP)	To systematically gather, verify and used data to improve management and development of rural groundwater resources in Limpopo	Mr. WH du Toit dutoitw2@dwa.gov.za	Department Water & Sanitation (DWS) Limpopo Region Sub-Directorate: Water Resource Information and appointed GRIP consultants	2003/04- Continuous	Project is continuing but does depend on availability of funds at the beginning of each new financial year.
Regional groundwater level & water quality network development and implementation	A complete coverage of water level and water quality monitoring stations in Limpopo	Mr. H Verster versterh@dwa.gov.za Mr. S Mutheiwana mutheiwanas@dwa.gov.za	Department Water & Sanitation (DWS) Limpopo Region Sub-Directorate: Water Resource Information	Ongoing	Groundwater level network currently 190 stations monitored and registered on Hydstra. Some gap filling in process. Groundwater Quality network currently 103 stations established, sampled & registered on NGA. 19 more planned.
Matlala Recharge Project	Monitoring the response of water level to lateral influx and vertical infiltration from rainfall in 25 holes drilled in a 1 km grid	Mr. WH du Toit dutoitw2@dwa.gov.za Mr. H Verster versterh@dwa.gov.za	Department Water & Sanitation (DWS) Limpopo Region Sub-Directorate: Water Resource Information	Data collection terminated end 2014/15 financial year.	Data collection stopped. Evaluation and assessment being done presently.

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Nwamitwa Groundwater Study	Assessment of groundwater resources: Pilot study based on GRIP data	<p>Mr. WH du Toit dutoitw2@dwa.gov.za</p> <p>GRIP Team</p> <p>Mr F Fourie fourief@dwa.gov.za</p>	<p>Department Water & Sanitation (DWS)</p> <p>Limpopo Region Sub-Directorate: Water Resource Information and GRIP appointed team and</p> <p>in collaboration with National Office Directorate: Water Resource Planning Systems</p>	2016/17 (?)	<p>Pre-feasibility report completed.</p> <p>Feasibility investigation tender not completed yet and funds not yet allocated.</p>
Groundwater monitoring network in the Kruger National Park	<ul style="list-style-type: none"> ▪ To determine seasonal and long term trends in comparison with rainfall; ▪ contribution of groundwater to base flow during dry winter periods; ▪ comparison of water level behaviour in the different surface water catchment areas or lithology (geohydrological units) and subsequently to optimize and determine the most effective monitoring station density 	<p>Mr. WH du Toit dutoitw2@dwa.gov.za</p> <p>Mr. H Verster versterh@dwa.gov.za</p> <p>I Smit (Sanparks)</p> <p>R Peterson (Sanparks)</p>	<p>Department Water & Sanitation (DWS)</p> <p>Limpopo Region Sub-Directorate: Water Resource Information in collaboration with</p> <p>South African National Parks: Kruger Park</p>	Jul/2007 – Jul/2017	<p>Data collection by DWS terminated. Network now handed over to SANParks who will continue with data collection. Final closure report being compiled.</p>

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Determination of groundwater use in Limpopo – Pilot study to test GRA II methodology, revise methodology, to improve accuracy of current usage information	Pilot study to test GRA II methodology, to revise methodology, to improve accuracy of current usage information in A6 catchment	Mr. WH du Toit dutoitw2@dwa.gov.za	Department of Water & Sanitation Limpopo Region Sub-Directorate: Water Resource Information GRIP Team	Dec/2012 – Aug/2016	Final report being awaited.
Investigation into the declining of water levels in the Tswera area	To identify the reasons for the continuous declining of water levels in the area	Mr. H Verster versterh@dwa.gov.za	Department of Water & Sanitation Limpopo Region Sub-Directorate: Water Resource Information	Feb/2011 – Mar/2017	Declining water levels in the area is a concern. 8 boreholes drilled. Monitoring continues.
Investigation of water levels in the Buysdorp area	To identify the reasons for the continuous declining of water levels in the area	Mr. H Verster versterh@dwa.gov.za	Department of Water & Sanitation Limpopo Region Sub-Directorate: Water Resource Information	Feb/2011 – Sep/2017	Declining water levels in the area is a concern. 13 boreholes drilled and monitored. Monitoring will run over a few hydrological years.
Koedoes River lineament	Investigate groundwater potential for future development	Mr. T Maluleke maluleket@dws.gov.za	Limpopo Region Sub-Directorate: Water Resource Information	Current - 2017	Field survey has just started