

CURRENT RESEARCH, DEVELOPMENTS, PROJECTS AND PROGRAMMES FOR KWAZULU-NATAL PROVINCIAL OFFICE

Title	Aim	Contact	Role-Players	Time Frames	Comments / Notes
KZN Regional Groundwater level monitoring	To monitor trends in groundwater level fluctuations of the regional aquifers to assist in regional groundwater management, protection and planning	<p>V. Tshabalala Tshabalav@dws.gov.za</p> <p>M Maluleke malulekeM5@dwa.gov.za</p>	<p>Department Water and Sanitation (DWS) – KwaZulu-Natal Provincial Office in collaboration with</p> <p>National Office for ZQM stations (National Groundwater Quality monitoring Network).</p>	On-going	<ul style="list-style-type: none"> - Extension of the monitoring network is in progress. - Installation of loggers into all monitoring boreholes is in progress
Monitoring and rehabilitation of defunct coal mines – Sandspruit Catchment	Determining the impact of approximately 20 defunct coal mines on groundwater quality and possible rehabilitation measures to be implemented	<p>V. Tshabalala Tshabalav@dws.gov.za</p> <p>M Maluleke malulekeM5@dwa.gov.za</p> <p>R Schwab schwabr@dwa.gov.za</p>	<p>Department Water and Sanitation (DWS) –</p> <p>KwaZulu-Natal Provincial Office in collaboration with</p> <p>DWS, National Office, Directorate: Water Resource Planning Systems (WRPS)</p>	On-going	<ul style="list-style-type: none"> - Geohydrological assessment and drilling of monitoring boreholes done at all sites. - Assessment of surface water RQOs completed. - Groundwater resource monitoring being carried out on a biannual basis. - Assessment of the efficacy of the groundwater monitoring points to commence
Assist with Integrated Regional Monitoring programme	Ensure data is collected from different monitoring network (groundwater) and stakeholders in KZN in relevant databases	<p>Thakurdin Manisha ThakurdinM@dws.gov.za</p> <p>V. Tshabalala Tshabalav@dws.gov.za</p> <p>M Maluleke malulekeM5@dwa.gov.za</p>	<p>Department Water and Sanitation (DWS)</p> <p>National and KZN Provincial Offices</p>	On-going	<ul style="list-style-type: none"> - Improve gap in spatial data collection. - Ensure maximised data availability throughout the province.

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Data Migration Project: Aquabase to National Groundwater Archive (NGA)	Migrate GRIP data from Aquabase to NGA	N Mirazi mirazin@dws.gov.za M Maluleke malulekeM5@dwa.gov.za	Department Water and Sanitation (DWS) National and KZN Provincial Offices	Jan 2016 (3 years) - On Going	<ul style="list-style-type: none"> - To clean data currently in Aquabase. - Migrate clean data to NGA. - Update GRIP data reports to Geohydrological Reports System.