

PLANNED RESEARCH, DEVELOPMENTS, PROJECTS AND PROGRAMMES FOR SUB-DIRECTORATE: INTEGRATED HYDROLOGICAL PLANNING

Title	Aim	Contact	Role-Players	Time Frames	Comments / Notes
Pre-feasibility Study for Augmentation of the Water Supply to Karoo Towns by Means of Groundwater Developments Phase 2A Baviaans LM	Assess groundwater resources around the Local Municipality for future use.	F Fourie fourief@dwa.gov.za	Department Water Affairs DWA (Directorate: Water Resource Planning Systems and Eastern Cape Region) in collaboration with Consultants:	Oct/2016 - Mar/2018	Project started in October 2011 Description: <ul style="list-style-type: none"> • Data gathering; • Hydrocensus; • Pump testing of current production borehole; • Training on Aquiworx tool; • Artificial Recharge potential. 1 st phase to completed in March 2012
Completion of the Groundwater Feasibility Study of the Malmani Dolomites (Escarpment) within the Olifants River Water Supply System	Development of groundwater for bulk water supply	S Mndaweni MndaweniS@dwa.gov.za	Department Water Affairs DWA (Directorate: Water Resource Planning Systems and Lim Regional Offices) in collaboration with Consultants:	Apr /2015 – Nov/2018	Description: <ul style="list-style-type: none"> • Study Inception; • Site Identification and Prioritization; • Exploratory investigation.
Groundwater Feasibility study: GLeWaP (Nwamitwa Dam)	Development of groundwater for bulk water supply	S Mndaweni MndaweniS@dwa.gov.za	Department Water Affairs DWA (Directorate: Water Resource Planning Systems and Eastern Cape Region) in collaboration with Consultants	Sep 2015 – Mar 2019	Description: <ul style="list-style-type: none"> • Data gap filling, Hydrocensus; • Structure analysis & Geophysics; • Exploration drilling, testing, sampling; • Network design; • Implementation plan.
Groundwater Feasibility study: Langebaan Road Artificial Recharge	Development of groundwater for bulk water supply with artificial recharge	F Fourie fourief@dwa.gov.za	Department Water Affairs DWA (Directorate: Water Resource Planning Systems and Western Cape Region) in collaboration with Consultants	Jul 2015 – Jun 2017	Description: <ul style="list-style-type: none"> • Delineating the recharge area(s); • Yield assessment of the aquifer; • Potential ingress of saline water; • Cost and cost benefit analyses; • Implementation plan.