



**water & sanitation**

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA



## **PSC 2: WP1B80**

# **INVESTIGATION OF GROUNDWATER AND SURFACE WATER INTERACTION FOR THE PROTECTION OF WATER RESOURCES IN THE LOWER VAAL CATCHMENT**

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1. Project Progress for 2022/2023 Financial Year
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# Project Objectives (Recap)

- ✓ Identify the main river stem and its tributaries;
- ✓ Identify sensitive areas (e.g. areas with high GW abstractions) along the identified main stem and tributaries;
- ✓ Determine if GW-SW interaction exists along the identified areas;
- ✓ Quantification of baseflow required for the Ecological Water Requirement;
- ✓ Develop protection zones where GW and SW exists;
- ✓ Protection protocols for quality and quantity aspects of Main Stem water resource.

# 1. Project Progress & Deliverables (for 2022/2023)

Milestones	Date expected	Progress
Draft Literature review & data gathering Report	25 April 2022	Achieved
Final Literature review & data gathering Report	25 May 2022	Achieved
Draft gap analysis report	24 June 2022	Achieved
<b>Final Gap analysis report</b> PMC 2	25 July 2022 19 July 2022	Achieved
Draft Hydro census report	25 August 2022	Achieved
Final Hydro census report	26 Sep 2022	Achieved
Draft Water Resources assessment report	25 Oct 2022	Achieved
<b>Capacity Building Workshop</b>	Nov 2022	Achieved
Final Water resources assessment report	12 Dec 2022	Achieved
Draft Recharge and Baseflow quantification Report	25 Jan 2023	Achieved
<b>Quantified Recharge and Baseflow Report</b> Final Recharge and baseflow quantification report	23 Feb 2023	Achieved
PMC 3 (8 February 2023)		
Draft groundwater quality categorization report	27 March 2023	Achieved
PSC 2 (15 March 2023)		

## 2. Planned Deliverables for 2023/2024)

Milestones	Date expected
Final groundwater quality categorization report	April 2023
Draft protection zones report	May 2023
<b>Final protection zones report</b> PMC 4	<b>June 2023</b>
Draft Surface-groundwater interaction report	July 2023
Draft Main Report PMC 5	August 2023
<ul style="list-style-type: none"> <li>• <b>Final Surface-groundwater interaction report</b></li> <li>• <b>Main Report</b></li> <li>• <b>Close-Out Report</b></li> </ul> PSC 3	<b>Sep 2023</b>
<ul style="list-style-type: none"> <li>• <b>External Reviewer Report</b></li> <li>• <b>Electronic data transfer</b></li> </ul> PMC 6	<b>Oct 2023</b>

# THANK YOU

## CONTACTS

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Link to access documents:

<https://www.dws.gov.za/rdm/currentstudies/default.aspx>

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