

WESTERN CAPE WATER RECONCILIATION STRATEGY

SUPPORT FOR THE IMPLEMENTATION AND MAINTENANCE OF THE WATER RECONCILIATION STRATEGY FOR THE WESTERN CAPE WATER SUPPLY SYSTEM

**STRATEGY STEERING COMMITTEE MEETING #1
14 MARCH 2018**

BACKGROUND TO PHASE 3 OF THE IMPLEMENTATION AND MAINTENANCE OF THE WC RECON STRATEGY

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INTRODUCTION

The Department of Water and Sanitation (DWS) has appointed NFM Multi Consulting / Tlou Consulting Joint venture in association with Aurecon (South Africa) as the Professional Service Provider for the third phase of the Implementation and Maintenance of the Water Reconciliation Strategy for the Western Cape Water Supply System.

The overall objective is to facilitate the reconciliation of predicted future water requirements with the available water resources from the Western Cape Water Supply System (WCWSS) and other sources for a rolling 25-year horizon.

This study will focus on the update of the strategy data input to ensure that the strategy and its recommendations are current, pertinent and applicable.

The updated Reconciliation Strategy will assist the DWS, the Water Service Authorities (WSAs) and their Water Service Providers (WSPs) in providing the future water requirement scenarios and to identify the interventions that need to be investigated further as well as the scope and the timing of these investigations.

STUDY AREA

The WCWSS covers communities in the City of Cape Town (CCT), Overberg, Boland, West Coast and Swartland, as well as irrigators along the Berg, Eerste and Riviersonderend Rivers and to rural and stock watering

schemes in the West Coast, Swartland and Overberg Areas.

The main storage dams in the WCWSS are the Theewaterskloof and Voelvlei Dams (owned and operated by DWS), the Berg River Dam (owned by the Trans Caledon Tunnel Authority and operated by DWS), the Wemmershoek, Upper Steenbras and Lower Steenbras Dams (owned and operated by the City of Cape Town). The area is the second largest contributor to the national economy and houses the third largest population concentration in the country.

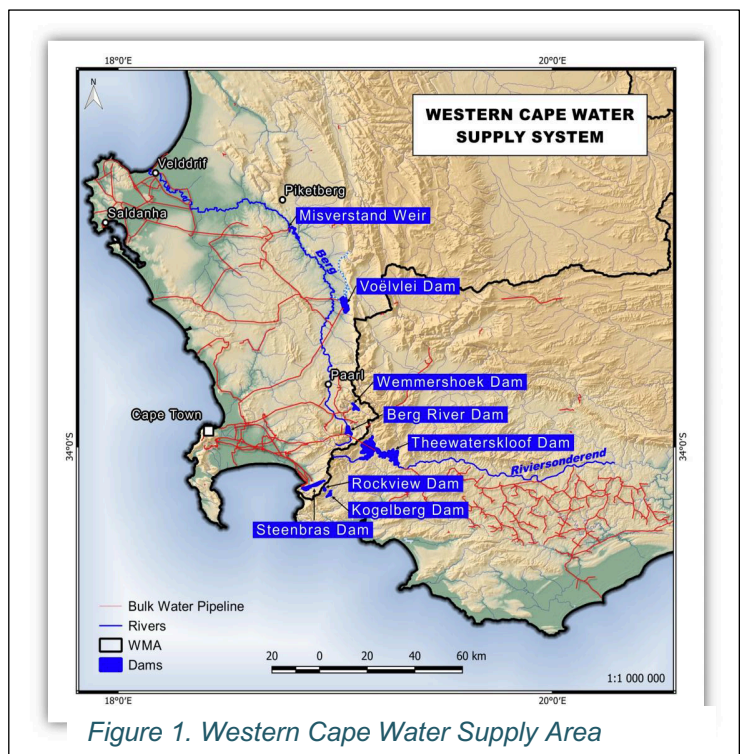


Figure 1. Western Cape Water Supply Area

APPROACH AND METHODOLOGY

The study will be undertaken in four Work Packages:

1. Project Inception: To enable consensus amongst stakeholders regarding the objectives of the project, the method statement and deliverables of the study.

Deliverable: Inception Report

2. Improve and Update the Reconciliation Strategy: The focus is to provide technical assistance to the Technical Support Group and the Strategy Steering Committee in the implementation and maintenance of the reconciliation strategy. This includes improving and updating the reconciliation strategy based on the updated water use and projected future requirements, an updated water balance, monitoring progress with implementation of the existing strategy, refinement of proposed interventions, and contributions from the stakeholder engagement, as well as extending the strategy where needed.

Deliverable: Annual Status Reports

3. Stakeholder Engagement and Communication: focuses on providing support to ensure that all relevant stakeholders are consulted and provided with information on the reconciliation strategy

Deliverables: 6 Strategy Steering Committee Meetings; 12 Administration and Technical Support Group Meetings; Newsletters / Media releases; updates to DWS Website.

4. Capacity Building and Training: To provide training and technology transfer to DWS individuals and interested stakeholders on matters relevant to integrated water resource planning and development, maintenance and implementation of the reconciliation strategy.

Deliverable: Capacity Building Plan and Training Report. Formal 2-day training course on integrated water resource management; On-the-job training to individuals seconded to the project

PROJECT PROGRAMME

The study commenced in December 2017 and will run over a period of 3-years.

TASK	2018												2019												2020											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
Inception	■	■	■																																	
1 Improve and Update Strategy																																				
1 Update actual water requirements			■					■	■						■						■	■					■						■	■		
2 Update future water requirement scenarios									■	■											■	■											■	■		
3 Update WCWSS yields and water balance									■	■											■	■											■	■		
4 Liaison with Steering Committee Representatives																																				
5 Update interventions & implementation programme									■	■											■	■											■	■		
6 Scenario Planning									■	■											■	■											■	■		
7 Document review																																				
8 Water Resource Protection																																				
9 Scientific and Technical Support as needed																																				
10 Stakeholder engagement (Newsletter)										■	■										■	■											■	■		
Stakeholder Engagement & Communication																																				
1 Study Administration Meetings			■			■			■	■					■						■	■					■						■	■		
2 Technical Support Group Meetings			■			■			■	■					■						■	■					■						■	■		
3 Strategy Steering Committee Meetings			■			■			■	■					■						■	■					■						■	■		
4 Status Reports									■	■											■	■											■	■		
5 Progress Reports																																				
Capacity Building & Training																																				
1 Capacity Building and Training Plan																																				
2 Undertake Capacity Building & Training																																				
3 Capacity Building & Training progress reporting & Report																																				
Notes:																																				
1 Admin and Technical Support Group meetings held 4 to 6 weeks before and after the Strategy Steering Committee Meeting																																				