



**water & sanitation**

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA



NATIONAL DEVELOPMENT PLAN  
*Our Future - make it work*

# CLASSIFICATION OF SIGNIFICANT WATER RESOURCES AND DETERMINATION OF RESOURCE QUALITY OBJECTIVES IN THE USUTU TO MHLATHUZE CATCHMENT (WP11387) BACKGROUND

Presentation by:  
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**PROJECT STEERING COMMITTEE MEETING 3: 02 DECEMBER 2022**



WATER IS LIFE - SANITATION IS DIGNITY

# PURPOSE

- To provide background to the study
- To provide progress to date on the study in the Usutu to Mhlathuze Catchment

# BACKGROUND

- 30 months project; from December 2021 to May 2024
- Output:
  - **Water Resource Classes:** describe what state the water resources need to be in to satisfy beneficial use.

	Description of use	Majority of ecological categories
<b>Class I</b>	<b>Minimally used</b>	<b>A-B</b>
<b>Class II</b>	<b>Moderately used</b>	<b>C</b>
<b>Class III</b>	<b>Heavily used</b>	<b>D</b>

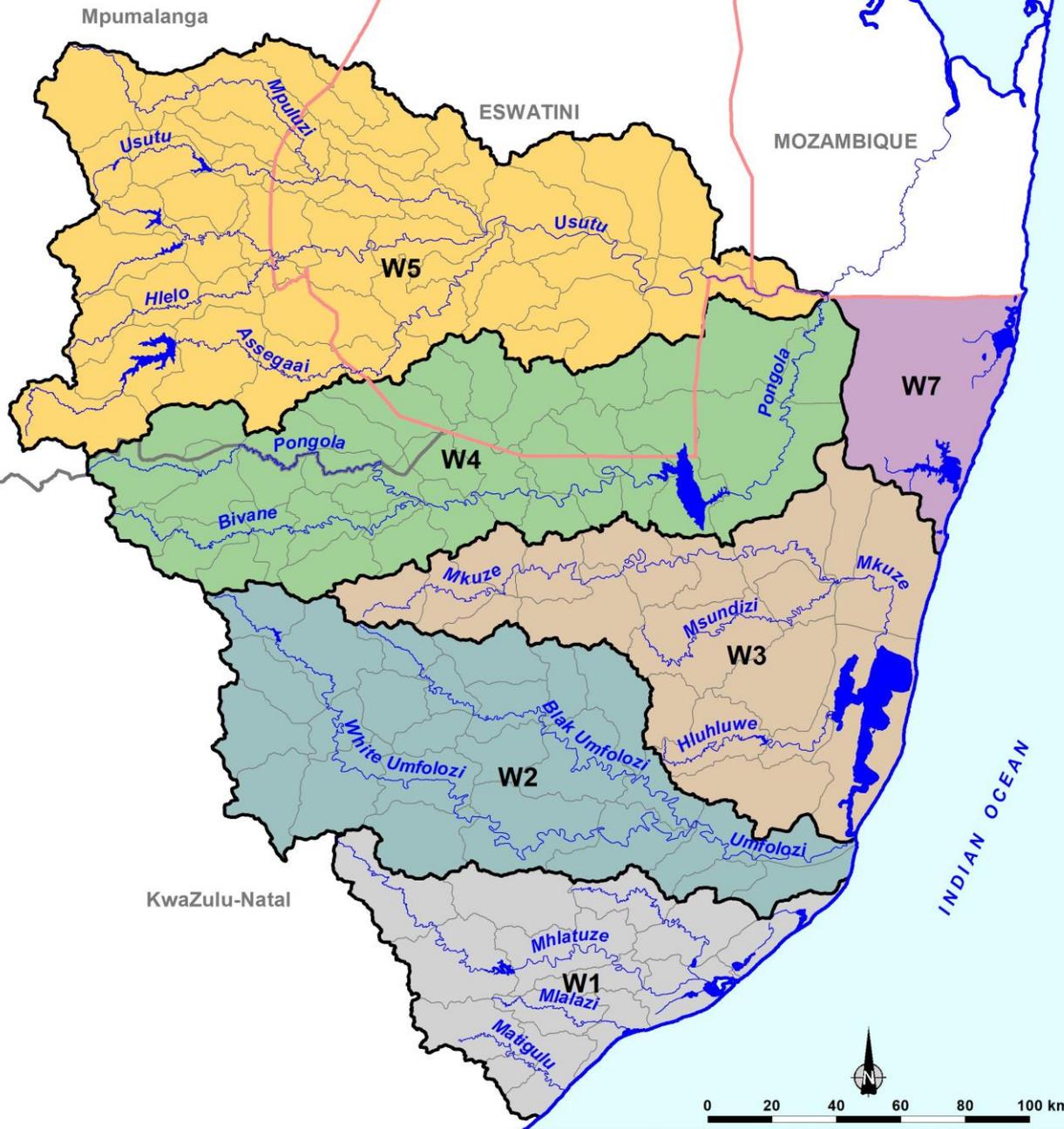
- **Resource Quality Objectives:** conditions which should be met in the receiving water resource. Give effect to the implementation of the classes. RQOs provide statements about:
  - what the quantity of the water should be (water level, pattern, timing)
  - what the water quality should be (physical, chemical and biological)
  - what the condition of the instream and riparian habitat should be
  - what the condition of the biota should be.



## STUDY AREA

### Usutu - Mhlatuze Catchments

- Mhlatuze, W1
- Mfolozi, W2
- Mkuze/Hluhluwe, W3
- Pongola, W4
- Usutu, W5
- W7 catchment.



## STUDY PROCESS & PROGRESS

1	Delineate Integrated Units of Analysis (IUAs) and Resource Units (RUs) and describe the status quo	Completed	Stakeholder Engagement (In progress)
2	Prioritise RUs and select study sites	Completed	
3	Quantify Basic Human Needs (BHN) and Ecological Water Requirements (EWRs)	In progress	
4	Identify and evaluate scenarios within the IWRM process	In progress	
5	Determine Water Resource Classes based on catchment configurations	Not yet started	
6	Determine RQOs and provide implementation information	Not yet started	
7	Gazette Water Resource Classes and RQOs	Not yet started	

# STAKEHOLDER ENGAGEMENT

- Public Meeting: 04 May 2022

Purpose: Introduce the project

- PSC 1: 07 June 2022

Purpose: Task 2 - IUA Delineation and Status Quo description

- TTG 1: 03 Nov 2022

Purpose: Identification of water quality indicators for river RUs

- PSC 2: 04 Nov 2022

Purpose: Task 3 – Quantification of EWRs and BHN

- PSC 3: 02 Dec 2022

*Purpose: Task 4 – Identification of scenarios*

# THANK YOU

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