



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

CLASSIFICATION OF SIGNIFICANT WATER RESOURCES IN THE MVOTI TO UMZIMKULU WATER MANAGEMENT AREA

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Water Resource Classification

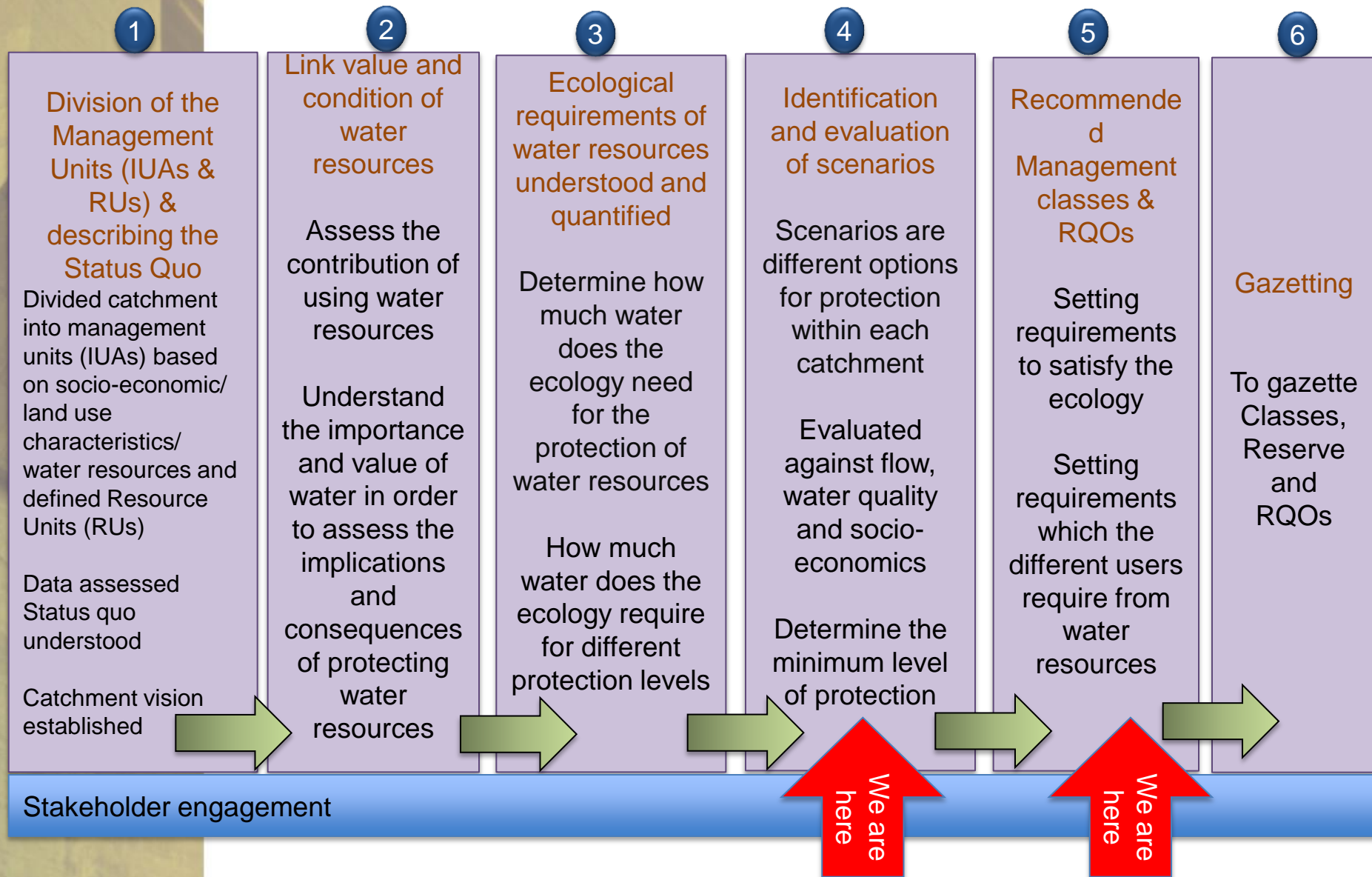
25 February 2015

PURPOSE OF PRESENTATION

- To provide feedback on the progress of the DWS study on the Classification of Water Resources, Determination of the Reserve and Resource Quality Objectives (RQOs) in the Mvoti to Umzimkulu catchments.

STUDY PROCESS

In accordance with the classification, Reserve and RQOs guidelines



DRAFT WATER RESOURCE CLASSES FOR THE MVOTI CATCHMENT

IUA	River reach	Scenarios and Proposed Water Resource Class		
		PES	REC	42 (Recommended Scenario)
U4-1	Mvoti Upper reaches	II	II	II
U4-2	Mvoti Middle Reaches	II	I	II
U4-3	Mvoti Lower Reaches	II	I	II

Updated water demands; development demands & return flows; meeting the REC (low flows); Mvoti River Development Project; Imvutshane Dam

DRAFT WATER RESOURCE CLASSES FOR THE MKOMAZI CATCHMENT

IUA	River reach	Scenarios and Proposed Water Resource Class		
		PES	REC	21 (Recommended Scenario)
U1-1	Mkomazi Mountain Zone	I	I	I
U1-2	Middle Mkomazi	II	II	II
U1-3	Mkomazi Gorge	II	I	II
U1-4	Lower Mkomazi	II	II	II

2040 development demands; meeting the REC (total flows); Smithfield Dam, Ngwadini

WHERE TO FROM HERE

- ❑ **Recommending Water Resource Classes**
- ❑ **Consolidating water quality concerns from stakeholders in order to set appropriate Resource Quality Objectives (RQOs)**
- ❑ **Consequences of Waste Water disposal Scenarios on estuaries**
- ❑ **Estuary RQOs determination**
- ❑ **Next PSC meeting: 24 March 2015**
- ❑ **Estuaries Technical Working Group meeting: 18 May 2015**