

# MAINTENANCE OF THE VAAL RIVER RECONCILIATION STRATEGY

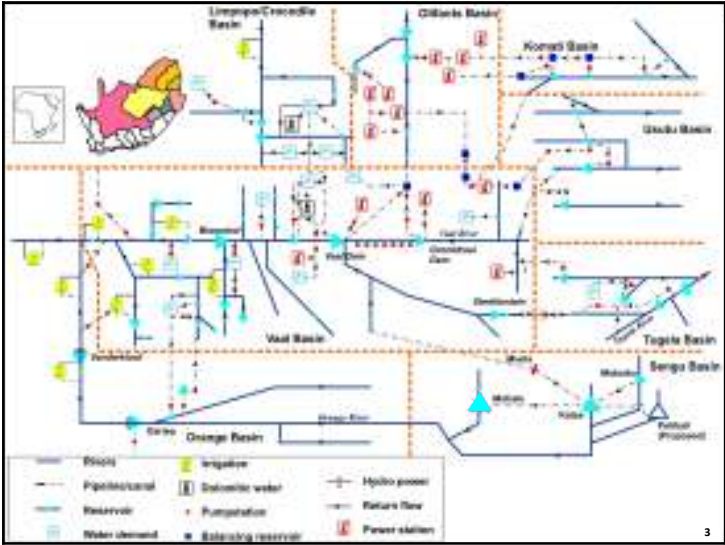
## Reconciliation Scenarios Review

### Presentation to Vaal River Strategy Steering Committee

*Venue: DWA Gauteng Regional Office  
Seef Rademeyer - 19<sup>th</sup> of October 2011*



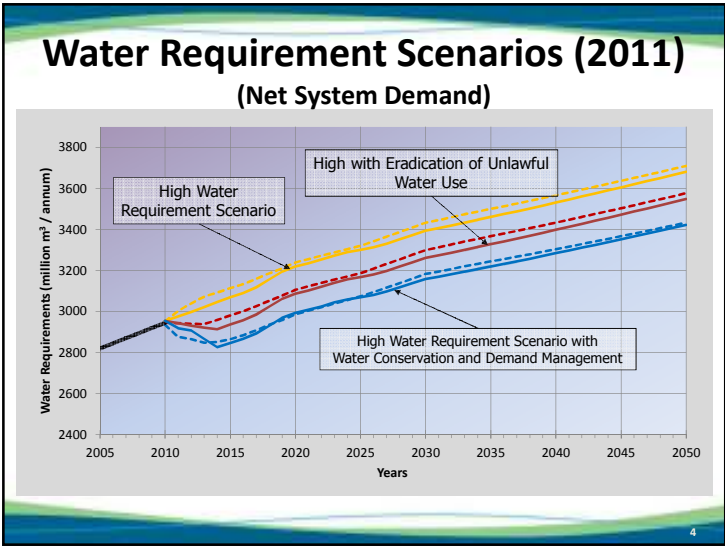
1



## Presentation Layout

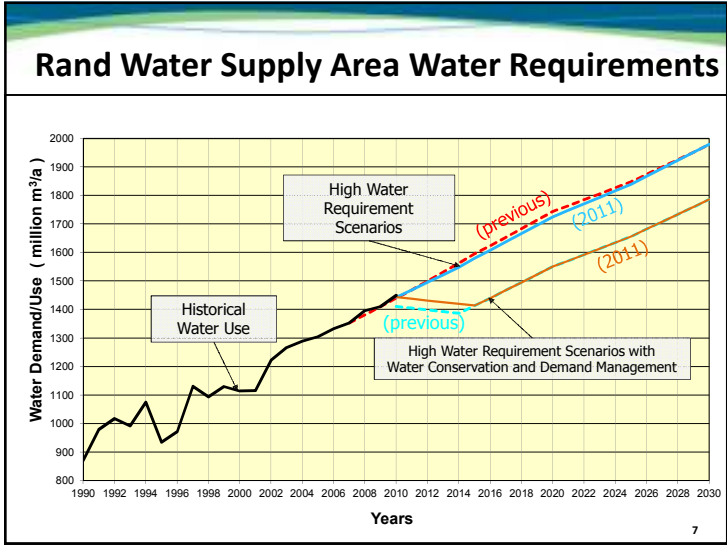
- Introduction
- Revised Water Requirement and Return Flow Scenarios
- Reconciliation Scenarios
- Strategic Interventions
- Information under review

2

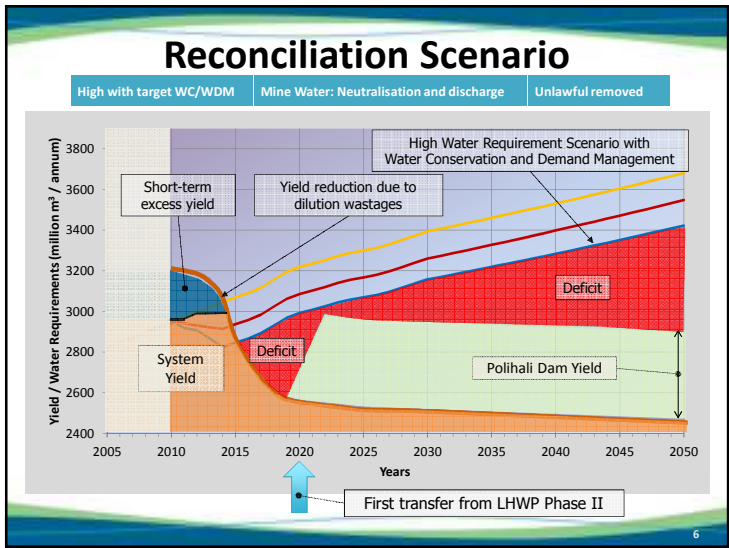


# Reconciliation Scenarios

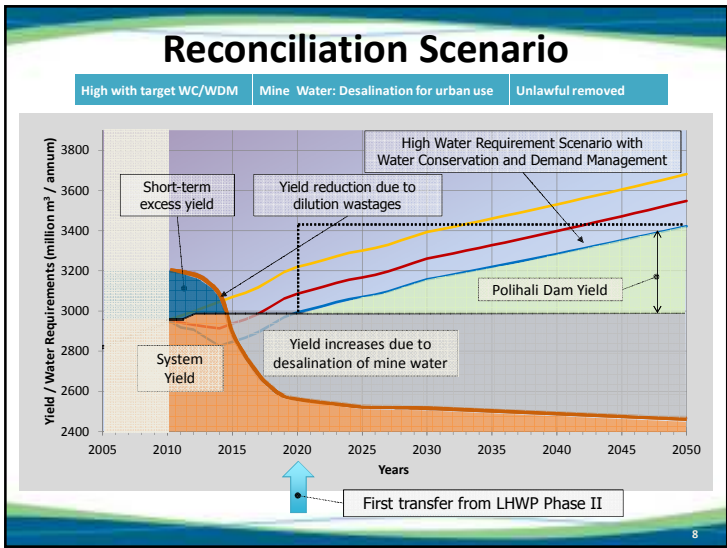
5



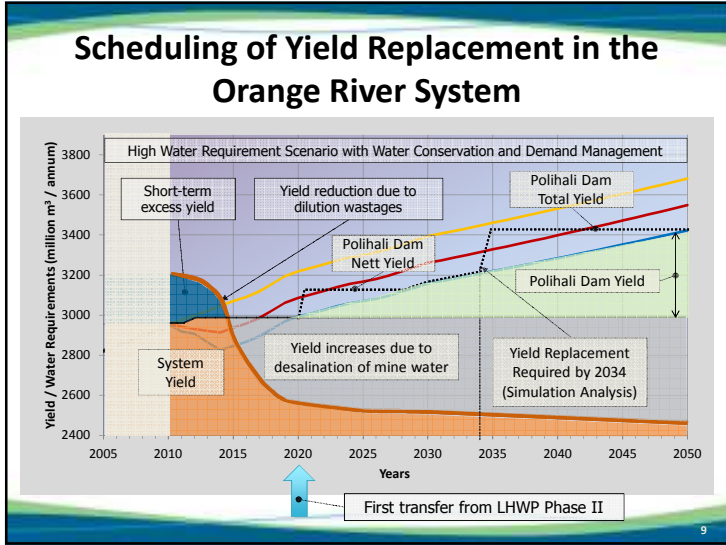
7



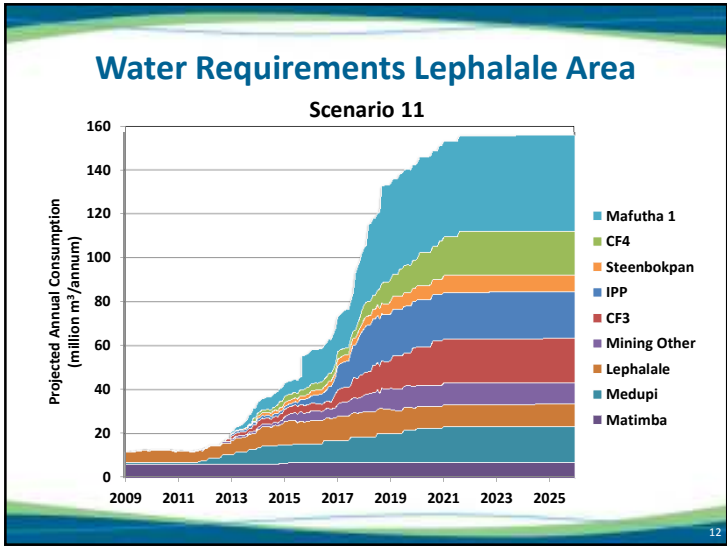
6

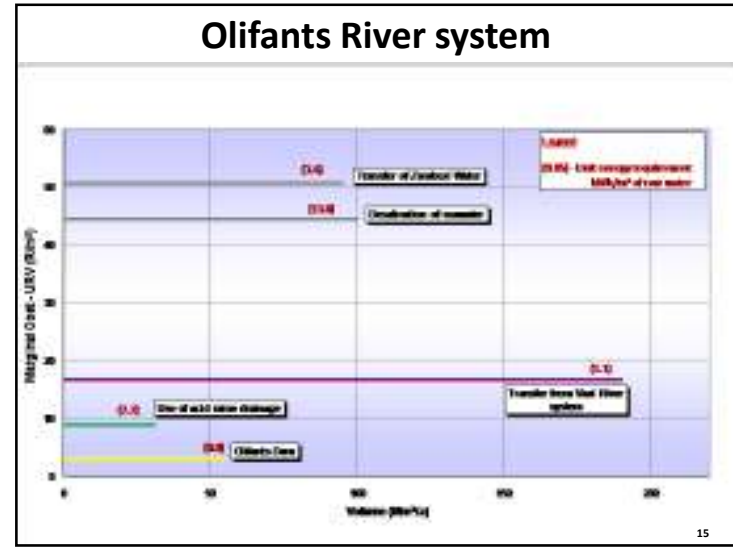
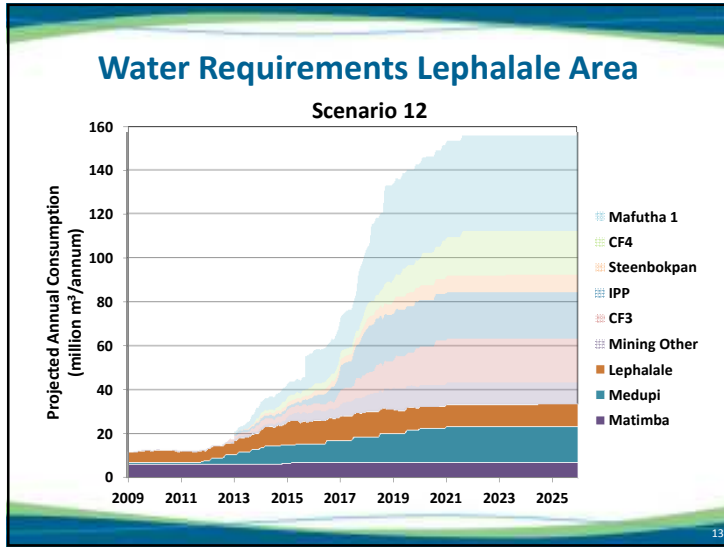


8



- ### Strategic Interventions
- Eradication of unlawful water use by 2013
  - Implementation of WC/WDM (Project 15%) – achieve target savings by 2015
  - Implementation of Phase 2 of LHWP by 2020
  - Mine water effluent treatment and use by 2014
  - Plan yield replacement scheme in Orange – 2034
  - Manage uncertainties: Crocodile and Olifants





- ### Olifants strategy
- Already under huge stress
  - Large WQ problems – must be solved at source
  - Further dams highly unlikely
  - Water from outside catchment possible but very expensive
  - Solutions will have to come from inside catchment
    - WC/WDM
    - Groundwater
    - Re-use of mining effluent
    - Hard look at Reserve requirements
    - Moving of water from irrigation sector to others
  - Early example of SA's water future
- 14

- ### Information Under Review
- Prioritisation of bulk water supply options in Crocodile West River System and transfer needs, if any
  - Irrigation water requirement scenarios
  - Recommend revision of long term water requirement and return flow scenarios (apply Census 2011 data)
- 16

