

# Study Procedure for Reconciliation Strategy Revision

## *Maintenance of the Crocodile West River System Reconciliation Strategy Study*

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water affairs

Department:  
Water Affairs  
REPUBLIC OF SOUTH AFRICA

# Study Team

- **BKS**
- **DMM Development Consultants**
- **Golder Associates Africa**
- **WRP Consulting Engineers**
- **Zitholele Consulting**

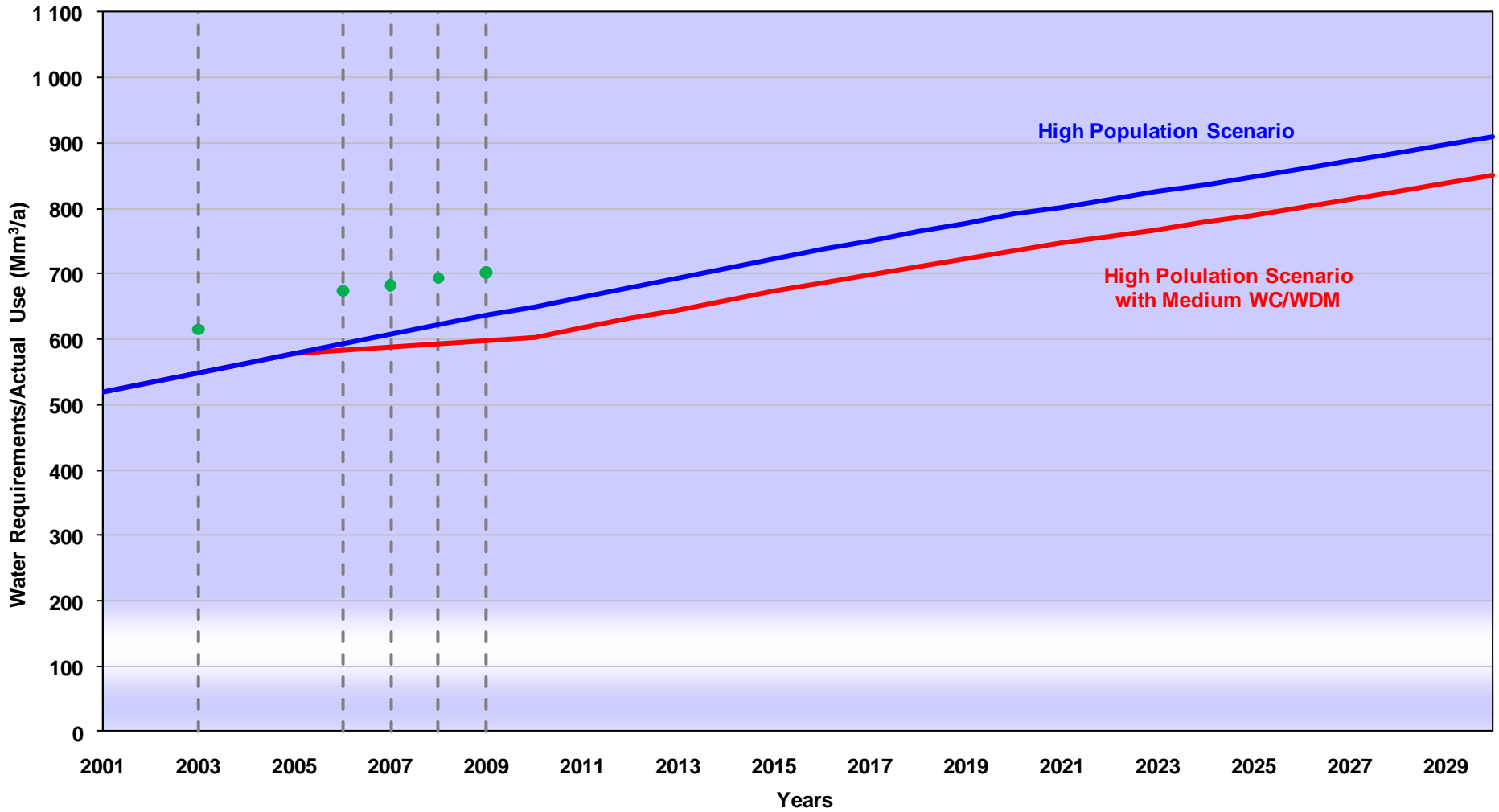
# Study Tasks

- **Inception Phase**
- **Strategy Steering Committee Support**
  - Administration, Newsletters, Media Releases, Progress
- **Technical tasks**
  - Review of the water requirements and return flows
  - Calibrate water quality (Salinity) model
  - Yield and planning analysis of integrated system  
(Operating Rules, Risk of curtailments, Transfer needs)
  - Update of the Reconciliation Strategy
- **Project Management**

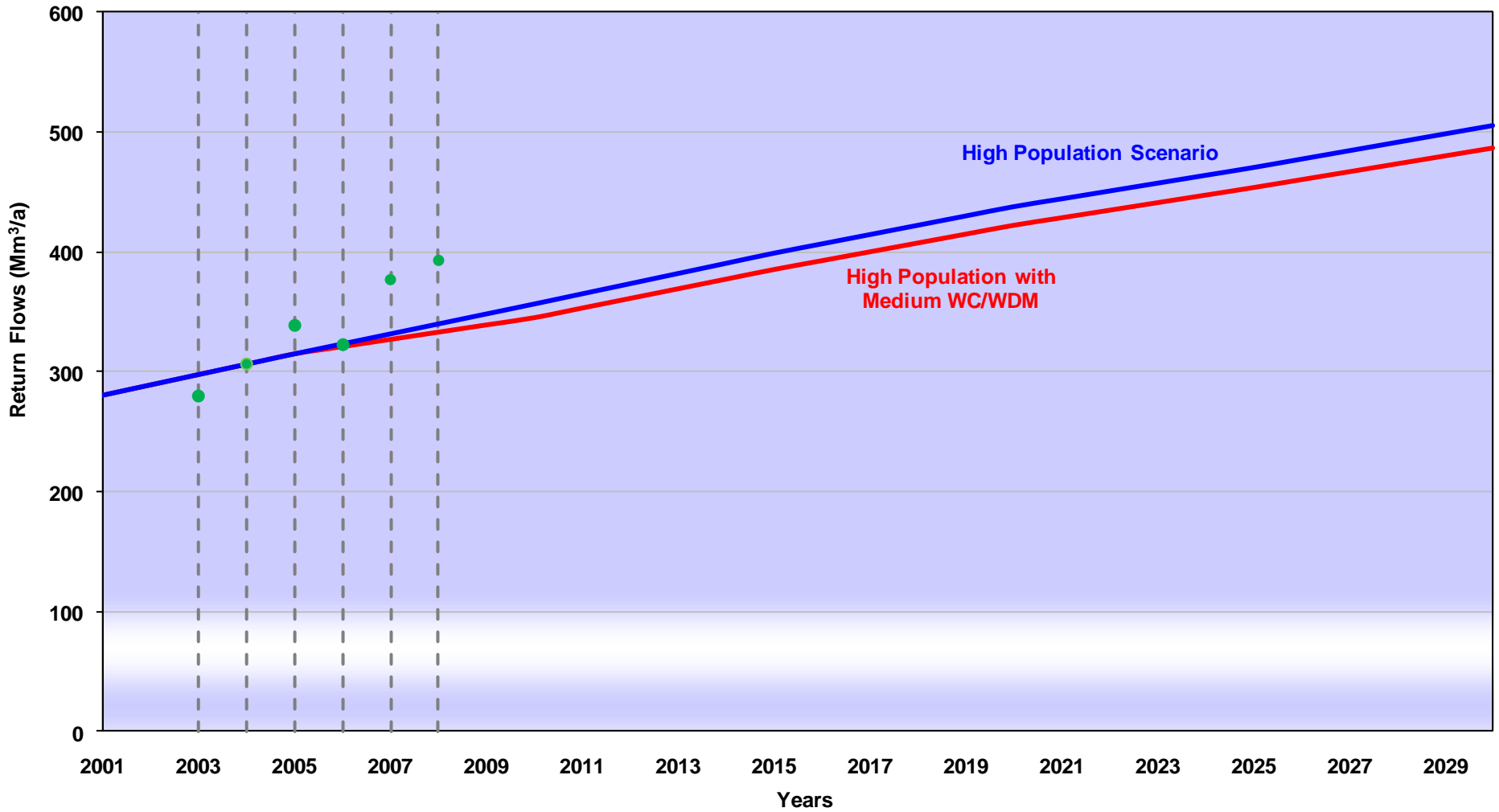
# **Water requirement and return flow scenarios - Revision**

- **Collate observed data**
- **Compare recorded data with scenarios from 2008 strategy**
- **Assess differences and adjust scenarios accordingly**
- **Incorporate revised water supply plans – e.g. All Town Reconciliation Strategies, Water Services Development Plans**
- **Review information from Validation and Verification studies when available**

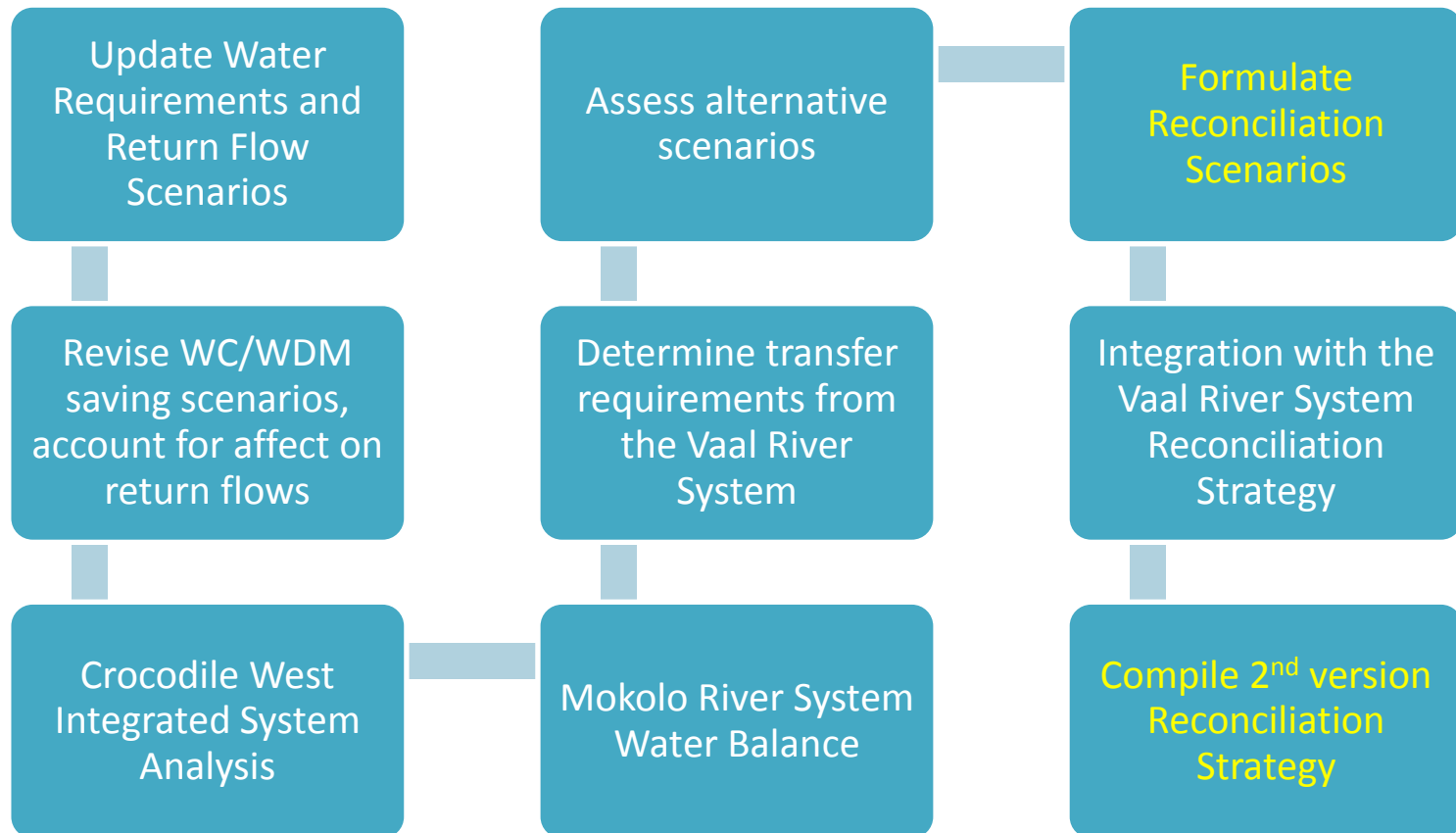
# Crocodile West Urban Water Requirement Projections vs. Actual Use



# Crocodile West Urban Return Flow Projections vs. Actual Return Flows

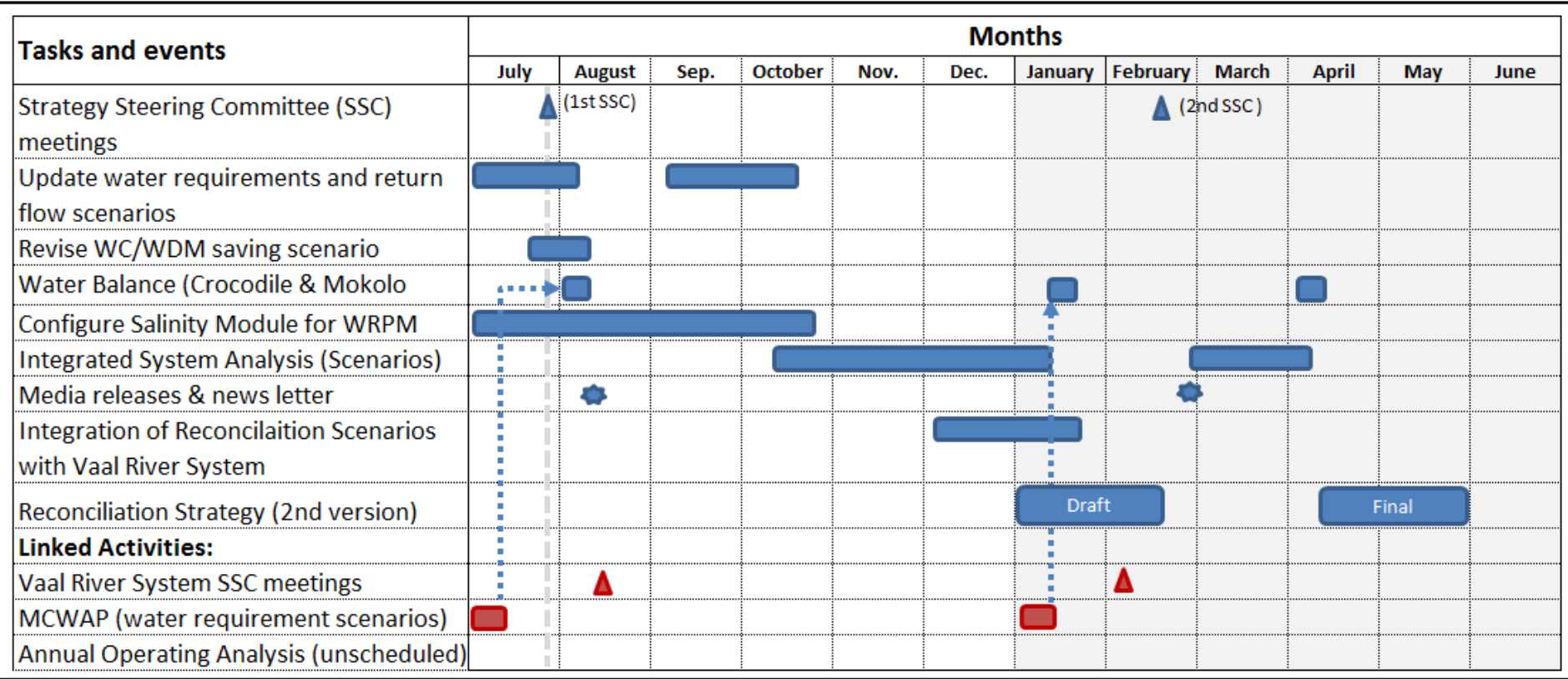


# Water Balance & Strategy Update Process





# Planned Activities



Notes: MCWAP = Mokolo Crocodile Water Augmentation Project

WRPM = Water Resource Planning Model



# Thank you



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