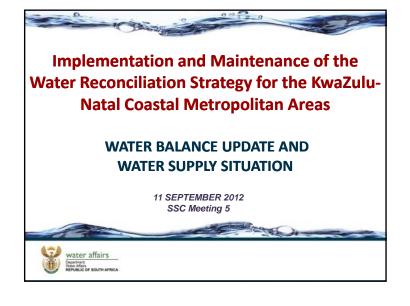
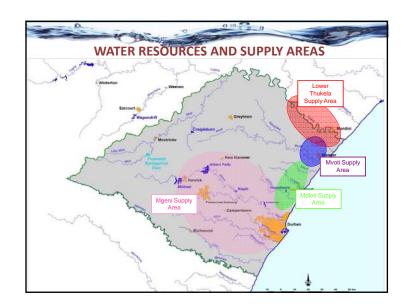
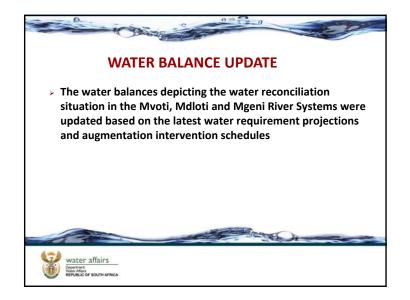
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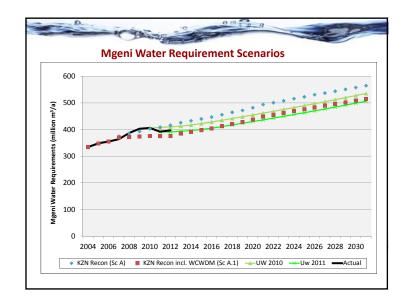


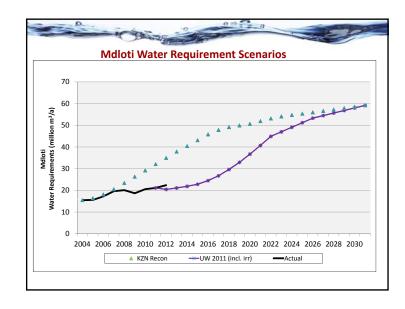


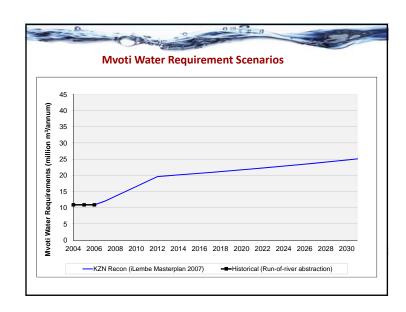


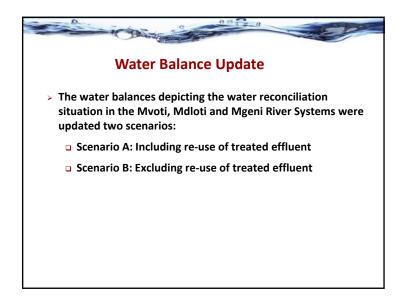


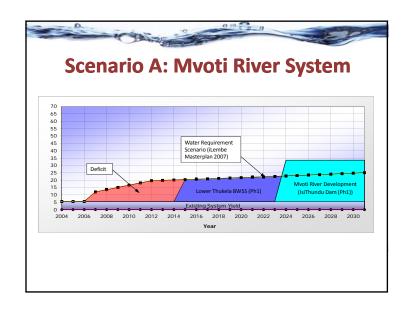
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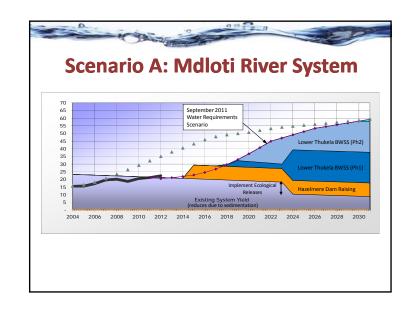


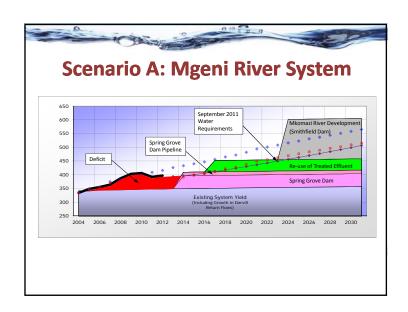


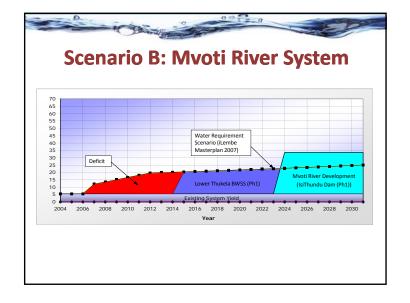


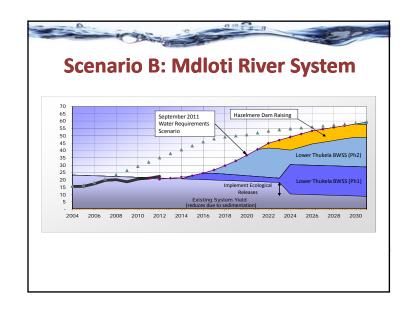


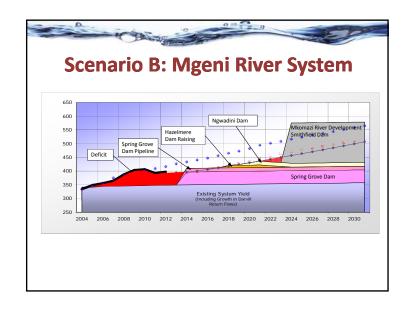


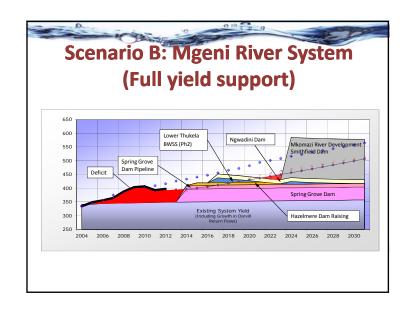








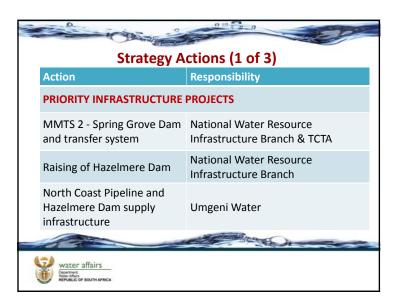




CONCLUSIONS (1 of 2) High risk of water restrictions in the Mvoti River System until the Lower Thukela BWSS is scheduled to deliver water in 2014/15 (IM 2007 projection) Once the Mvoti River Development (IsiThundu Dam) has been developed, support is no longer required from the Lower Thukela BWSS Risk of water restrictions in the Mdloti River System over the 2013/14 period until the next intervention has been implemented (Sep 2011 projection) High risk of water restrictions in the Mgeni River System until Spring Grove Dam is implemented and starts to deliver water in 2013/14 (Sep 2011 projection)



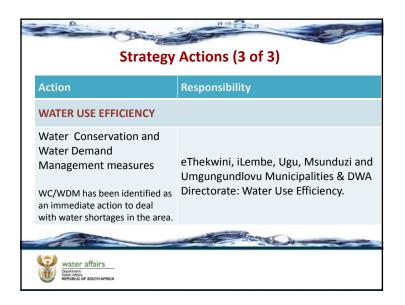
- > Once Spring Grove Dam has been implemented:
 - Scenario A Sufficient water is available from 2014 onwards provided that the re-use of treated effluent and the Mkomazi River Development projects are implemented
 - Scenario B Sufficient water available until the 2021 to 2024 period where a deficit occurs until the Mkomazi River Development Project is implemented. The deficit remains even when supported by the total surplus yield from the Mdloti and the Lower Thukela BWSS
- Important that the augmentation options are implemented at the indicated implementation dates
- Manage the short term deficit situations through the continuous implementation of WC/WDM and early drought restrictions

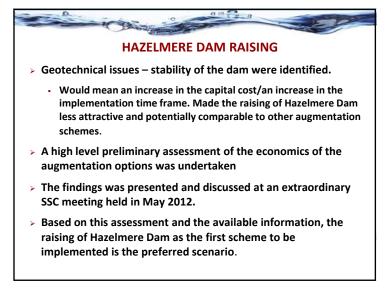


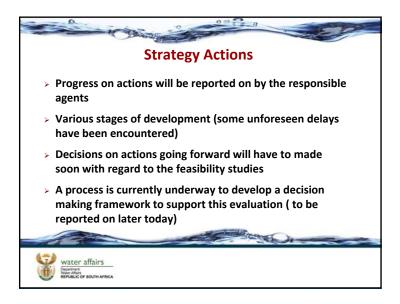


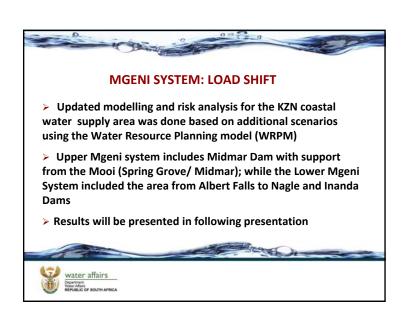
- The continuous implementation of WC/WDM initiatives are of vital importance
- The water requirement projection for the Mvoti Supply Area should be revised and the actual water use should be monitored and tracked
- The actual water used for both the Mdloti and Mgeni River Systems exceed the water requirements projections (UW Sep 2011) slightly - revised projections will be available Sep/Oct 2012 (Umgeni Water)
- The water balances should be updated based on the revised water requirement projections

D. Company	0 00 0 0
Strategy Actions (2 of 3)	
Action	Responsibility
PRIORITY FEASIBILITY STUDIES	
uMkhomazi River Transfer Scheme	DWA Directorate: Option Analysis
Mvoti River Development	DWA Directorate: Option Analysis
Lower Thukela Bulk Water Supply Scheme	Umgeni Water
Re-use of treated sewage effluent	eThekwini Metro
Desalination of sea water	Umgeni Water









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