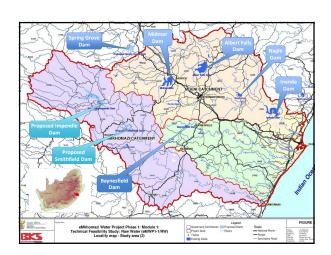


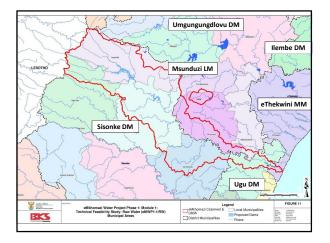




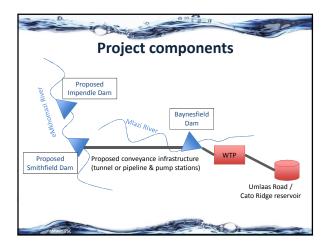
Contraction of the second

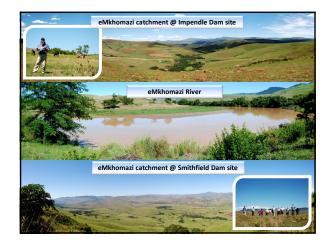
eMkhomazi Water Project Phase 1

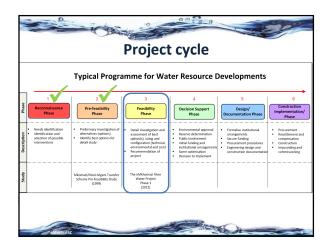


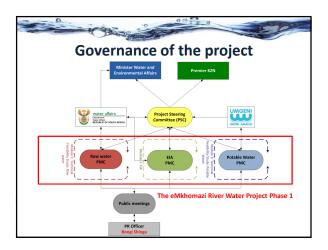


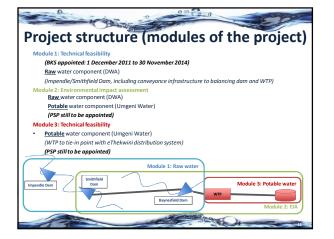
Municipalities within the eMkhomazi catchmen				
Municipality	Water Service Authority	% Area		
Sisonke DM	Yes	-		
Impendle LM	No	90%		
Kwa Sani LM	No	30%		
Ingwe LM	No	50%		
Ubuhlebeze LM	No	40%		
Umgungundlovu DM	Yes	-		
Richmond LM	No	40%		
Msunduzi LM	Yes	Very small – Water users within L		
Mkhambathini LM	No	10%		
eThekwini MM	Yes	None – Water users within MM		
Ugu DM	Yes	-		
Vulamehlo LM	No	20%		

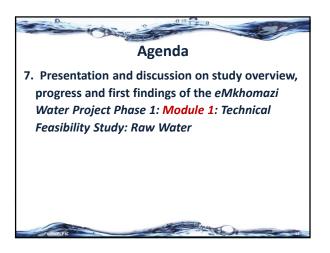


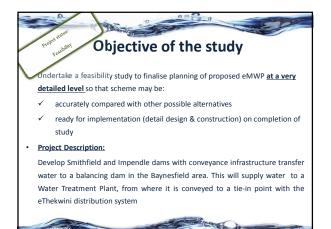


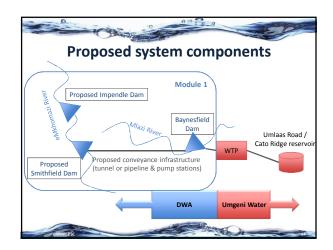


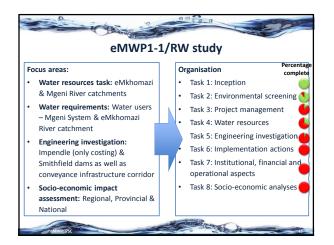






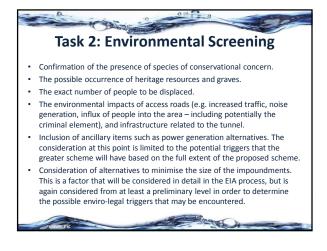


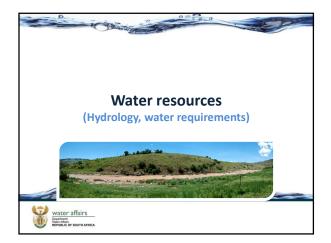


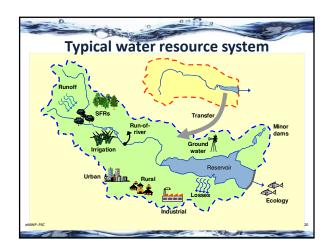


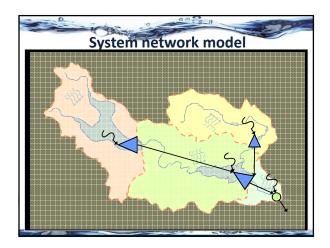


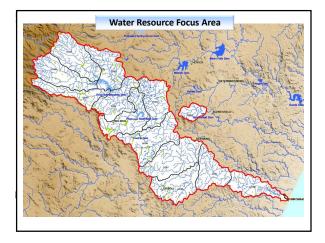


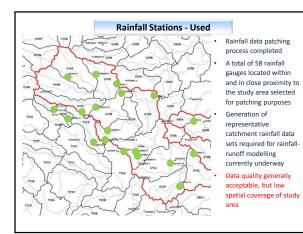


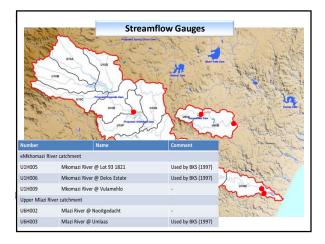






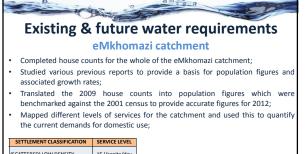




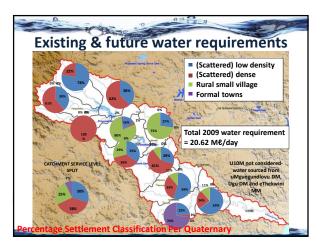


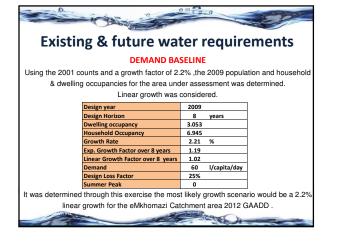
Hydrology: Land use assessment							
Cultivated are	eas (km²):						
Catchment	Irrigatio	Irrigation ⁽¹⁾		Commercial forestry ⁽¹⁾		Dry-land sugarcane ⁽¹⁾	
eMkhomazi	60.2	60.2		604.4		26.4	
Upper uMlaza	38.9	38.9		94.8		79.0	
(1) EKZN-W Spot5 (20)	08)						
Small dams:							
Catchment	Total number ⁽¹⁾	surfac				Average depth (m)	
eMkhomazi	655	ç).1	20.2		2.2	
Upper uMlaza	179	4	1.3	14.5		3.3	
(1) CD:NGI (1:50 000 S (2) Analysis of charact	Spatial Data) veristics from DWA Dam .	Safety Regis	ter (2010)			2	

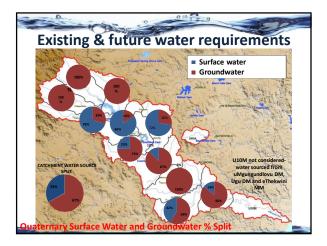


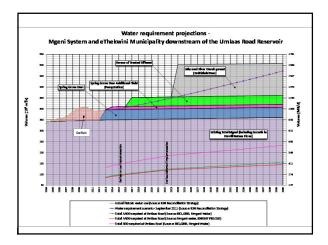




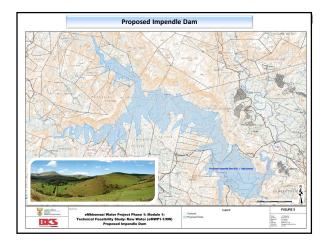


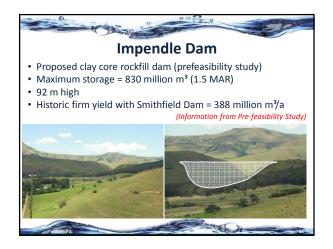


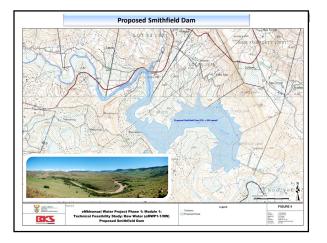


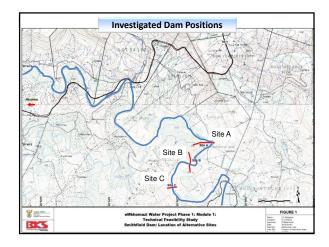


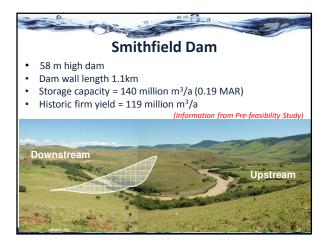


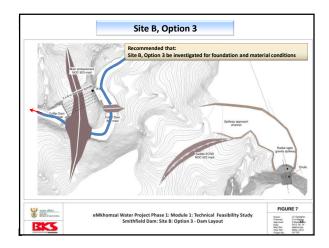


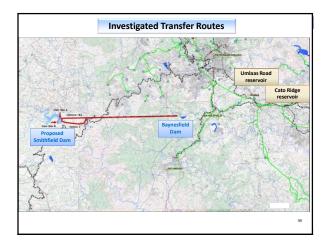


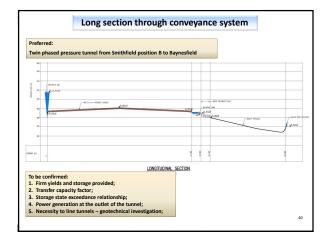


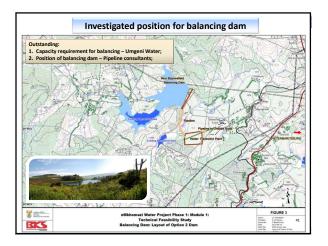


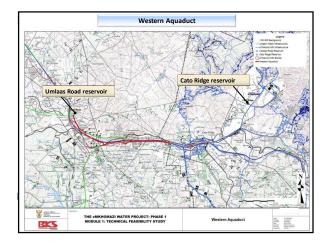






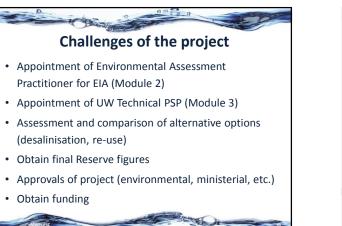




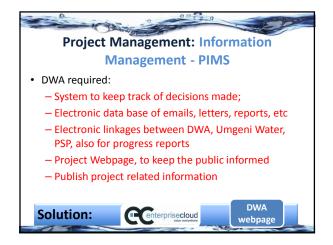


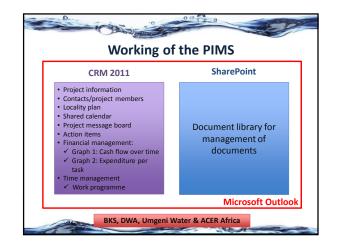
Project program	mme
	Date
Feasibility studies	
Technical – Raw water	Dec '11 to Nov '14
Environmental Impact Assessment (EIA)	Aug '12 to July '15
Technical – Potable water	Aug '12 to Oct '13
Implementation	
Decision Support Phase	2015 to 2017
Design/Documentation Phase	2017 to 2019
Construction/Implementation Phase	
Smithfield Dam and tunnel	4 years
Estimated water delivery	2023
Impendle Dam {inrl, decision support phase, design & construction}	9 years











1 U A A O	Project information
Financial management	Locality plan
	Action items
	Work programm
Array V = UA NOV	Project message board
Addition to the assessment	

